

AIDI

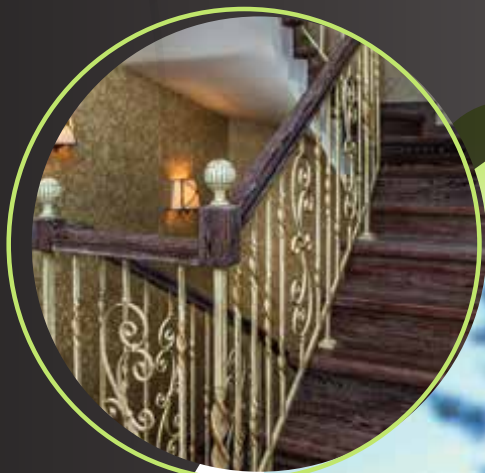
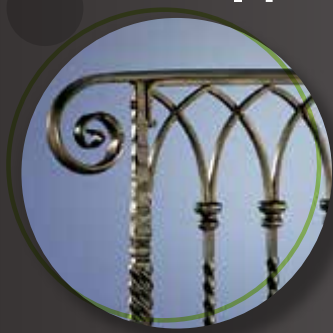
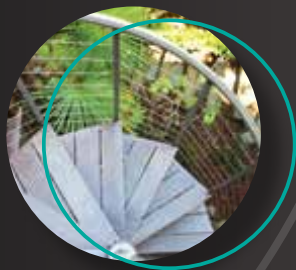
ARCHITECTURAL
IRON DESIGNS, INC.

YOUR

IMAGINATION,

FORGED

HERE.



WELCOME TO OUR EDITION 9 PRODUCT CATALOG

YOUR IMAGINATION, FORGED HERE.

With so many options available, the architectural metals marketplace can be confusing and overwhelming — even for experienced contractors. That's where Architectural Iron Designs Inc. (AIDI) comes in.

Founded in 1994, AIDI has established itself as a leading supplier of components for decorative and functional metal railings, balconies, gates, and fences — in iron, steel, aluminum, and brass. We carry thousands of parts, as well as a range of paints, patinas, gate hardware and gate automation.

Ready to rail against mediocrity? Our team of experts can help make your vision for a beautiful balcony or stairway railing come to life. Want to throw the gates of creativity wide open? Our experienced sales people can help you put together a spectacular security gate, with the convenience of the latest in gate automation and access control.

Perhaps most importantly, AIDI offers decades of experience that can prove invaluable when planning and purchasing materials for your next metalwork or gate project. Let us help you navigate our carefully curated, comprehensive selection of products to bring your imagination to life. Call today to get started!

Do you offer design, fabrication or installation services?

We do not offer these services, but are happy to refer you to our fabricator/installer clients around the country.

F A Q S I don't see what I am looking for on your website, can AIDI help?

Yes, forward us an image of what you are looking for and we will try and source it for you or get the product custom fabricated.

How do I place an order?

Orders can be placed anytime through our website stores: archirondesign.com or locks4gates.com. Should you like to place your order over the phone, you may call 908-757-2323 from 8:30am to 5pm, Monday-Friday. Another option is to email us at aisales@archirondesign.com. You may also pick up your order during normal business hours from our warehouse in Bridgewater, NJ.

Do you have a minimum order?

There is no minimum order or handling fee for standard items. Special and/or custom orders require a 50% downpayment and may have a minimum order requirement specific to the item requested.

Visit our websites for more detailed product information, design galleries, CAD drawings and plenty of other resources.



archirondesign.com
**ORNAMENTAL & ARCHITECTURAL
METALS, PAINTS & PATINAS**



locks4gates.com
**GATE HARDWARE
& ACCESSORIES**



duragates.com
**ENCLOSED ROLLER SYSTEM FOR
CANTILEVER SLIDING GATES**

MEMBERS OF



5-36 LUXURY RAILINGS



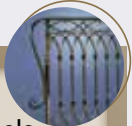
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- 8-9** Modern Series
- 10-11** Comtesse Series
- 12-13** Harmonie Series
- 14-17** Square Series
- 18** Black Diamond Series
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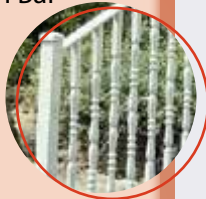
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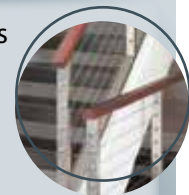
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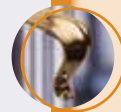
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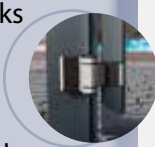


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SOME OF THE BRANDS WE REPRESENT

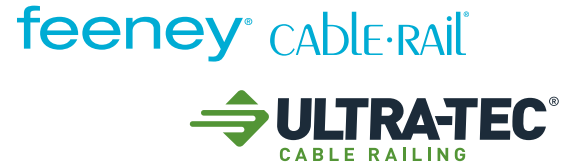
ORNAMENTAL METALS



GATE HARDWARE



CABLE RAILING



PAINTS & PATINAS



GATE AUTOMATION



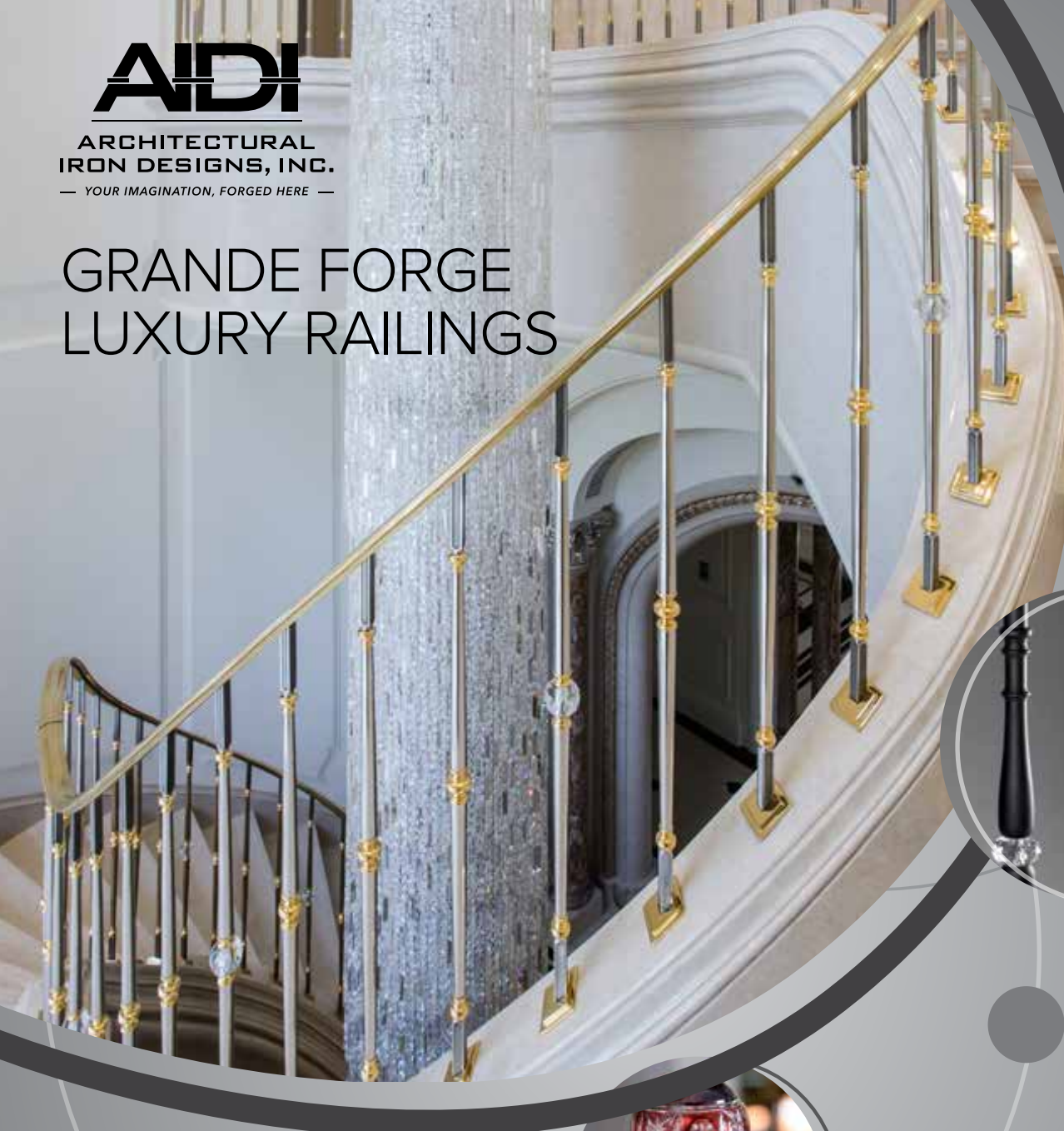
TERMS AND CONDITIONS

- MINIMUM ORDERS:** No minimum order policy. No handling charges.
- BACK ORDERS:** Any item out of stock at time of shipment will be automatically back ordered and shipped as soon as available. If you prefer, cancel same immediately and reorder later.
- NON-STOCK ITEMS:** Items that are not stocked may require a non-refundable deposit and are not cancelable nor returnable. Drop shipments require payment in full.
- PRICING:** Prices are subject to change without advance notice. All shipments will be made at prices prevailing at the time of shipment. You will be notified if there is any change.
- SALES TAX:** All orders picked up or shipped inside New Jersey must be charged applicable sales tax unless you provide us your tax exempt number.
- TERMS OF PAYMENT:** We accept VISA, Mastercard, American Express, and Discover. Returned checks are subject to a \$35.00 charge.
- C.O.D.** No C.O.D. shipments outside the U.S. or for drop shipments. We encourage payment by credit card to avoid C.O.D. charges. A certified check or money order may be required for certain C.O.D. shipments.
- OPEN ACCOUNTS:** To establish NET30 terms a credit application must be completed and approved. Timeliness of an approval depends on your references. No further credit will be extended to accounts which are over 15 Days Past Due. If you do not purchase for 9 months or have ownership changes, you may need to re-establish your account.
- SHIPPING:** Orders are shipped first come, first served. Orders are shipped F.O.B. our facility Plainfield, NJ via UPS GroundTrac or common carrier. Please refer to tracking numbers for your shipment on your invoice. Once order has been shipped there are no cancellations. You may also collect your order from our warehouse.
- Please call to verify pick-up. Next day express service is available. Bar stock may be cut to size for a charge of \$5.00 per cut.
- DAMAGE:** In case of damage, shortage or other discrepancy, we must be notified within three working days of receipt of order, otherwise we cannot be held responsible. Please refer to your invoice number and customer number.
- RETURNS:** Returns are allowed on a case by case basis depending on the product. Returns must be made within 30 days of purchase. Special order or non-stock items cannot be returned. There is a 20% restocking fee. Credit will be issued when the item is accepted back into our facility. If you refuse a shipment your account will absorb the freight charge and any restocking charge.
- SPECIAL NOTE:** Many items are manufactured from metric sized steel and the nominal size is quoted. Because of the nature of forged metal, some variation in parts is possible. Please contact us if you need a critical dimension. For best results do not assemble your work until you have received your entire order.

HOURS: MONDAY-FRIDAY 8:30AM TO 5:00PM EST

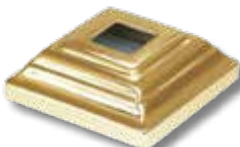


GRANDE FORGE LUXURY RAILINGS

- 
- 
- 
- 
- 6-7** Classic Series
 - 8-9** Modern Series
 - 10-11** Comtesse Series
 - 12-13** Harmonie Series
 - 14-17** Square Series
 - 18** Black Diamond Series
 - 19** Black Series
 - 20-23** Carbone Series
 - 24-25** Paris Series
 - 26-27** Diamond Series
 - 28-29** Royal Series
 - 30-31** Brass Handrails

CLASSIC SERIES FROM *grande forge*

Born in the hearth of the forge, the "CLASSIC" series blends the nobility of **solid brass** with the rigor of forged steel. Balustrading and security doors built with these elegantly proportioned balusters have an intrinsic beauty that is timeless and compatible with both contemporary and traditional interior decors. All brass parts are highly polished and protected by a special lacquer. For indoor use only. **NOTE:** Steel is unfinished. Available painted upon request.



CSL614

2-3/8" sq. – for 9/16" sq.



CSL52

2-1/16" Ø – for 9/16" sq.

1200mm - 47 1/4"

700mm - 27 9/16"

140mm - 5 1/2"

360mm - 14 3/16"

Supplied with a base shoe.

1070mm - 42 1/8"

650mm - 25 5/8"

165mm - 6 1/2"

255mm - 10"

25mm
1

PC616

14mm
9/16"

B6105

B6505

B6705

B6106

B6506

B6706

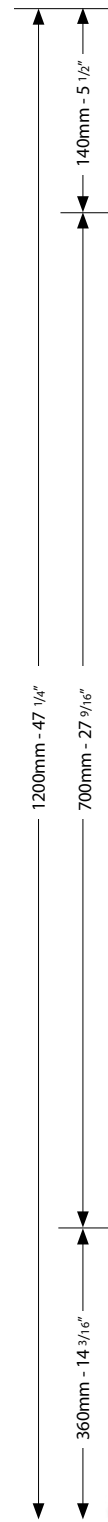
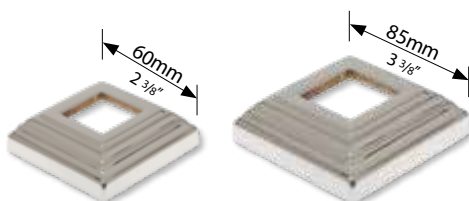
ALL DIMENSIONS ARE APPROXIMATE.

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T: 908.757.2323 + F: 908.757.3439
AISALES@ARCHIRONDESIGN.COM + ARCHIRONDESIGN.COM

CLASSIC SERIES FROM grande forge

Discover the new version of the famous Classic range. The central parts are supplied in polished and lacquered **Stainless Steel**. The body of the baluster comes in raw steel or painted matte black.



Supplied
with a
base
shoe.

14mm
9/16" CSL614W

25mm
1" CSL825W

14mm
9/16" B6105W B6105WP

25mm
1" PC616W PC616WP

ALL DIMENSIONS ARE APPROXIMATE.

MODERN SERIES FROM grande forge

The bodies of these balusters and posts are made of stainless steel satin finish and polished and lacquered solid brass. They are mounted with **ROUND (R)** or **SQUARE (K)** steel endpieces, allowing for the assembly of the railing by welding. For indoor use only. **NOTE:** Mild steel ends are unfinished. Available painted upon request.

OPTIONAL FINISHES

 GOLD (G)

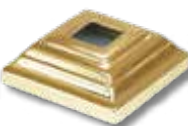
 NICKEL (NI)

 CHROME BLACK (CN)

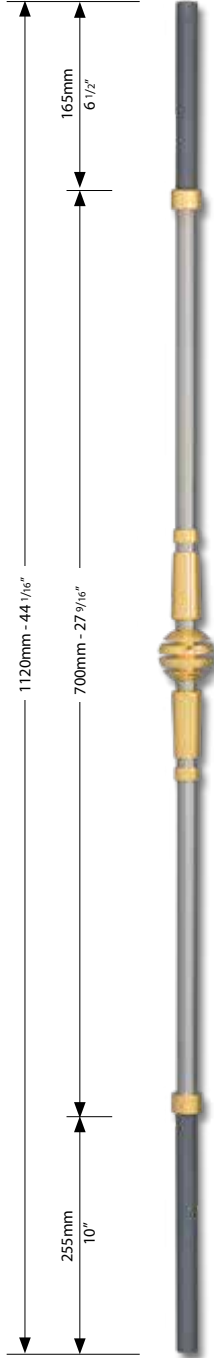
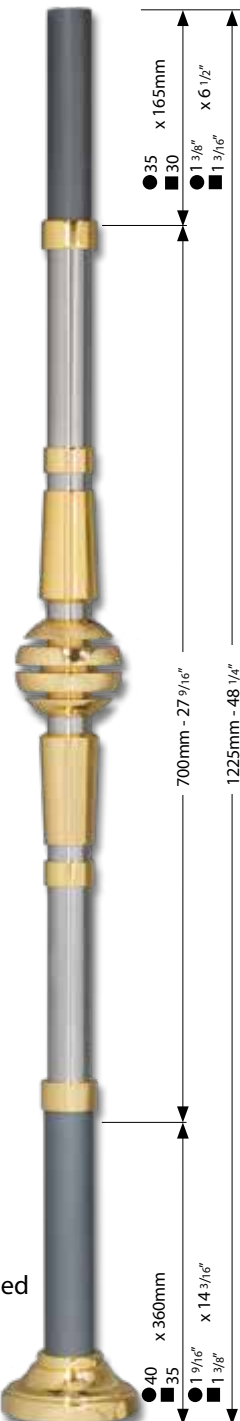
 SATIN (SA)

 ROSE GOLD (RG)

**CSL54**
2-1/16" Ø
for 5/8" sq.

**CSL616**
2-3/8" sq.
for 5/8" sq.

**CSL61**
2-1/2" Ø
for 5/8" Ø

 1120mm - 44 1/16" 700mm - 27 9/16" 165mm - 6 1/2" 255mm - 10"	 110mm - 4 5/16"		 50mm - 2"	 1225mm - 48 1/4" 700mm - 27 9/16" 35 x 165mm 30 x 165mm 1 3/8" x 6 1/2" 1 3/16" x 6 1/2" 40 x 360mm 35 x 360mm 1 9/16" x 14 3/16" 1 3/8" x 14 3/16"
● 16mm 5/8" BL177R ■ 16mm 5/8" BL177K	BL178R BL178K	BL175R BL175K	BL179R BL179K	PL170R PL170K

Supplied with a base shoe.

ALL DIMENSIONS ARE APPROXIMATE.

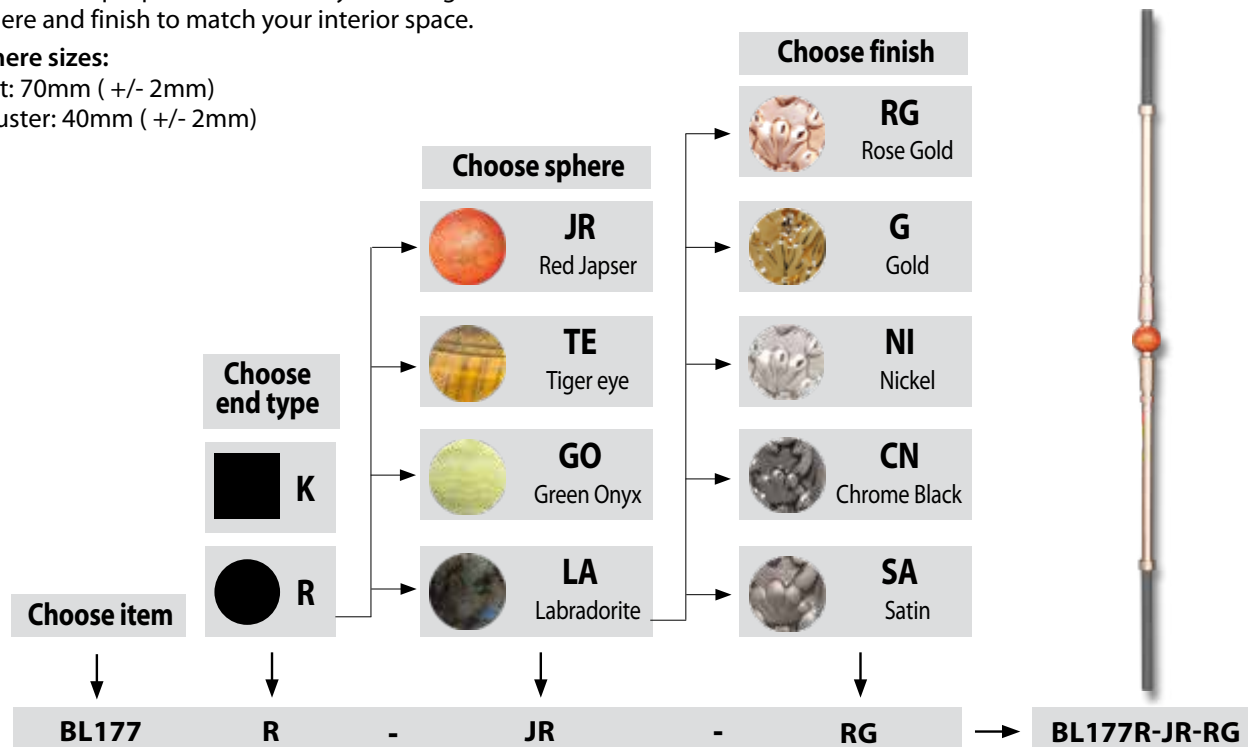
MODERN SERIES FROM *grande forge*

Create a unique post or baluster by choosing a colored sphere and finish to match your interior space.

Sphere sizes:

Post: 70mm (+/- 2mm)

Baluster: 40mm (+/- 2mm)

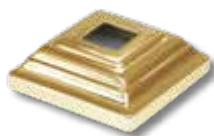


● PL170R-JR-RG

■ PL170K-LA-SA BL177K-LA-SA

COMTESSE SERIES FROM grande forge

The solid brass bodies are highly polished and protected by a special lacquer. For indoor use only. **NOTE:** Mild steel ends are unfinished. Available painted upon request.



CSL616

2-3/8" sq. - for 5/8" sq.



CSL54

2-1/16" Ø - for 5/8" sq.



TBL2

2" W x 3-3/8" H
1-3/8" dia. base.



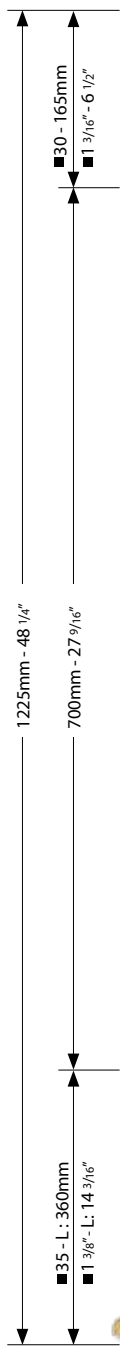
TBL6

3-1/8" W x 4-1/2" H
1-7/8" dia. base.



TBL7

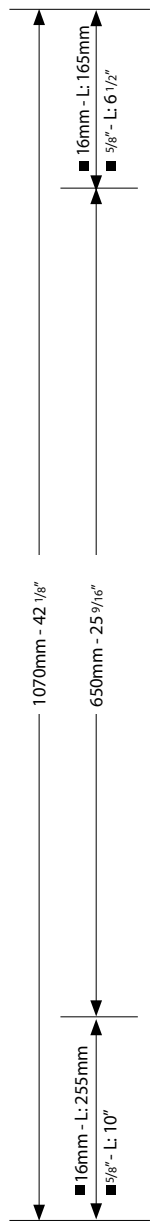
2-3/4" W x 5-1/2" H
1-7/8" dia. base.



PL110

PL111

Supplied with a base shoe.



BL113

BL115



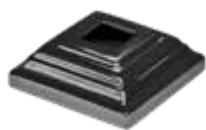
BL116



BL118

ALL DIMENSIONS ARE APPROXIMATE.

COMTESSE SERIES FROM *grande forge*



CSL616CN

2-3/8" sq. – for 5/8" sq.



TBL2CN

2" W x 3-3/8" H
1-3/8" dia. base.



TBL6CN

3-1/8" W x 4-1/2" H
1-7/8" dia. base.

AVAILABLE FINISHES



NI = NICKEL



SA = SATIN



CN = CHROME
BLACK



PL110CN



BL111CN



BL113CN



BL115CN

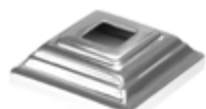


BL116CN



BL118CN

Supplied
with a
base
shoe.



CSL616NI

2-3/8" sq. – for 5/8" sq.



TBL2NI

2" W x 3-3/8" H
1-3/8" dia. base.



TBL6NI

3-1/8" W x 4-1/2" H
1-7/8" dia. base.



PL110NI



BL111NI



BL113NI



BL115NI



BL116NI



BL118NI

Supplied
with a
base
shoe.

ALL DIMENSIONS ARE APPROXIMATE.

HARMONIE SERIES FROM *grande forge*

Of a more modern aesthetic, the "HARMONIE" series is particularly distinguished by its two-color finish: "Brass-Stainless Steel". For indoor use only.

NOTE: Mild steel ends are unfinished. Available painted upon request.



CSL51

2-1/16" Ø - for 9/16" Ø



TBL2

2" W x 3-3/8" H
1-3/8" dia. base.



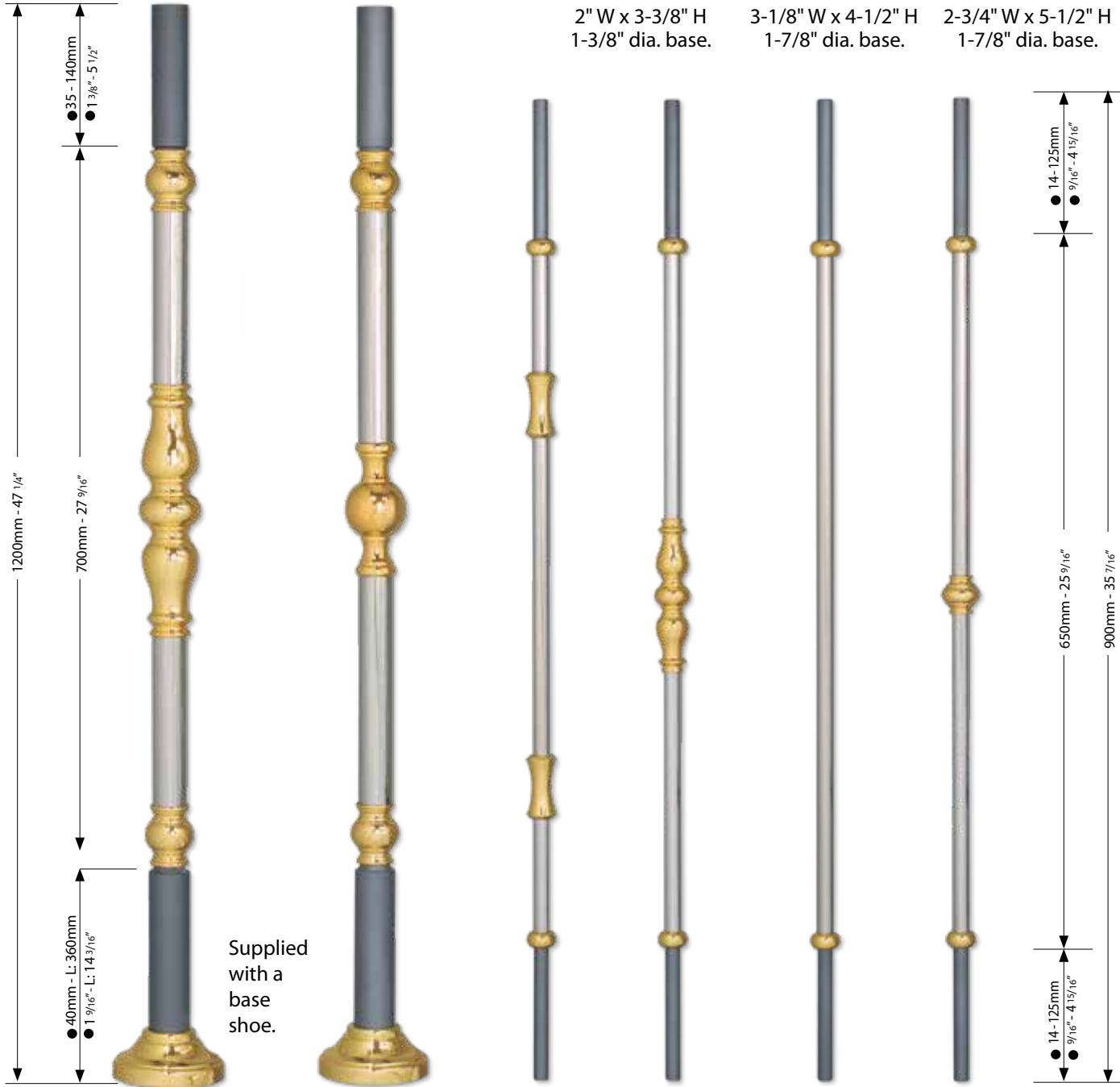
TBL6

3-1/8" W x 4-1/2" H
1-7/8" dia. base.



TBL7

2-3/4" W x 5-1/2" H
1-7/8" dia. base.



PL100 PL101 BL102 BL103 BL105 BL107

ALL DIMENSIONS ARE APPROXIMATE.

HARMONIE SERIES FROM *grande forge*



CSL51NI

2-1/16" sq. – for 9/16" dia.



TBL2NI

2" W x 3-3/8" H
1-3/8" dia. base.



TBL6NI

3-1/8" W x 4-1/2" H
1-7/8" dia. base.



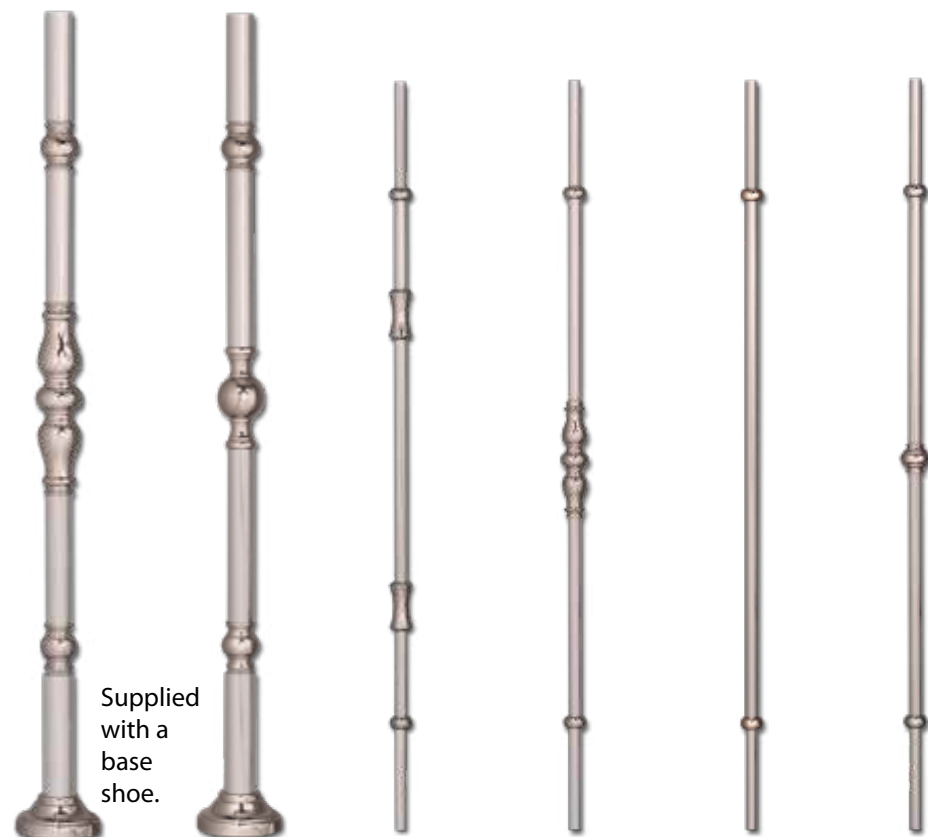
TBL7NI

2-3/4" W x 5-1/2" H
1-7/8" dia. base.



Supplied
with a
base
shoe.

PL100NI PL101NI BL102NI BL103NI BL105NI BL107NI



Supplied
with a
base
shoe.

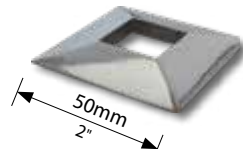
FULL NICKEL FINISH PL100NI-F PL101NI-F BL102NI-F BL103NI-F BL105NI-F BL107NI-F

ALL DIMENSIONS ARE APPROXIMATE.

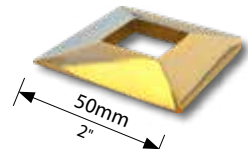
SQUARE SERIES FROM *grande forge*

The body of these patterned posts and balusters is in Stainless Steel. A PVD* Coating of brass, rose or gilded finish can be applied. The "NI" is a highly polished finish on the stainless steel bar and does not have a PVD coating applied. The mild steel ends are not finished. For indoor or outdoor applications.

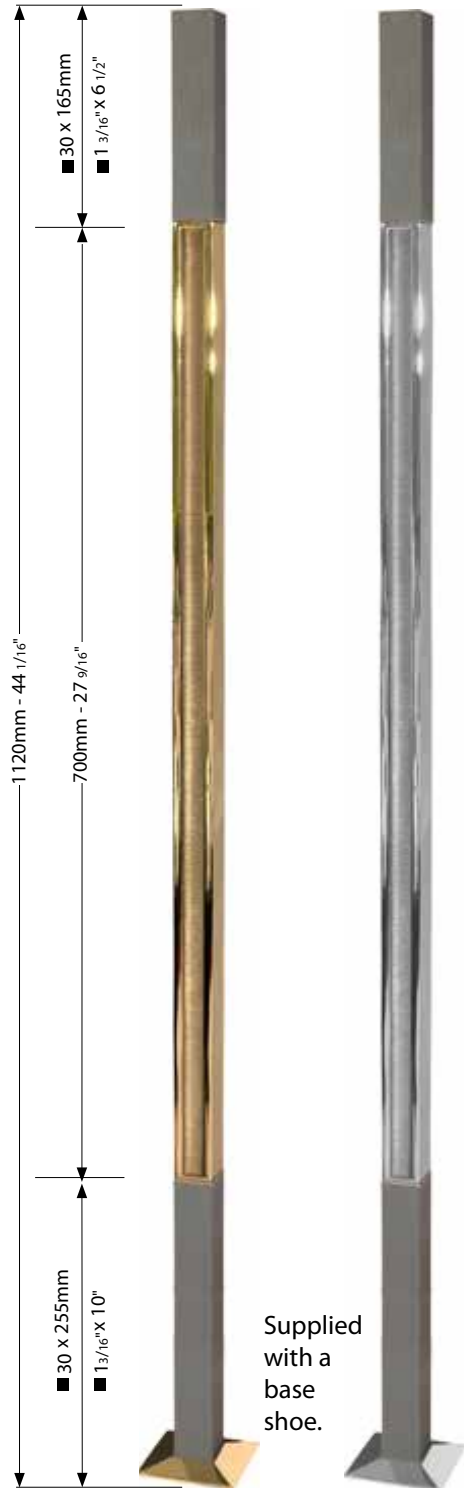
***PVD vacuum plating is a highly durable coating that resists tarnish, corrosion, and scratching.**



16 MM
5/8" CSKF16NI



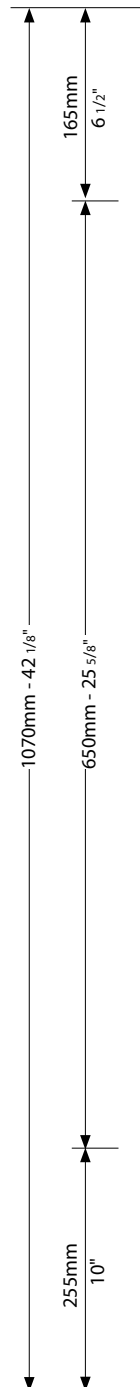
16 MM
5/8" CSKF16L



PL122L

PL122NI

Supplied
with a
base
shoe.



16 mm
5/8"

BL127L

BL127NI

BL122L

BL122NI

ALL DIMENSIONS ARE APPROXIMATE.

SQUARE SERIES FROM grande forge

The body of these balusters is in Stainless Steel.
A PVD* Coating of brass, rose or gilded finish can be applied. The "NI" is a highly polished finish on the stainless steel bar and does not have a PVD coating applied. The mild steel ends are not finished. For indoor or outdoor applications.

***PVD vacuum plating is a highly durable coating that resists tarnish, corrosion, and scratching.**

PVD Coatings available

Highly polished
Nickel Finish



G = BL127G



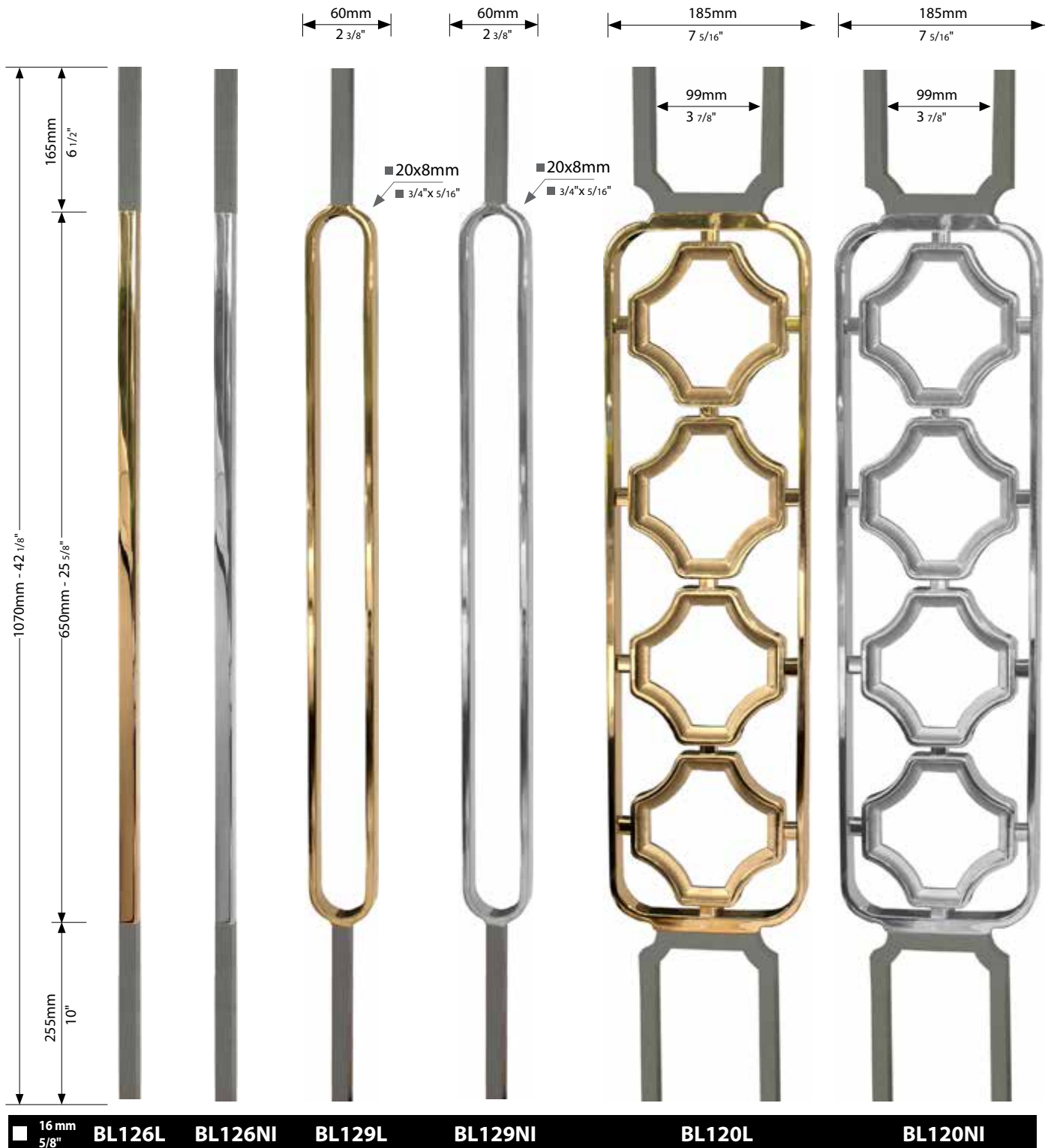
RO = BL127RO



L = BL127L



NI = BL127NI

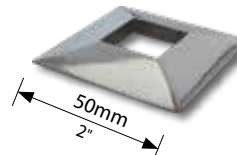


ALL DIMENSIONS ARE APPROXIMATE.

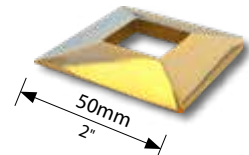
SQUARE SERIES FROM *grande forge*

The body and ends of these patterned posts and balusters is in Stainless Steel. A PVD* Coating of brass, rose or gilded finish can be applied. The "NI" is a highly polished finish on the stainless steel bar and does not have a PVD coating applied. For indoor or outdoor applications.

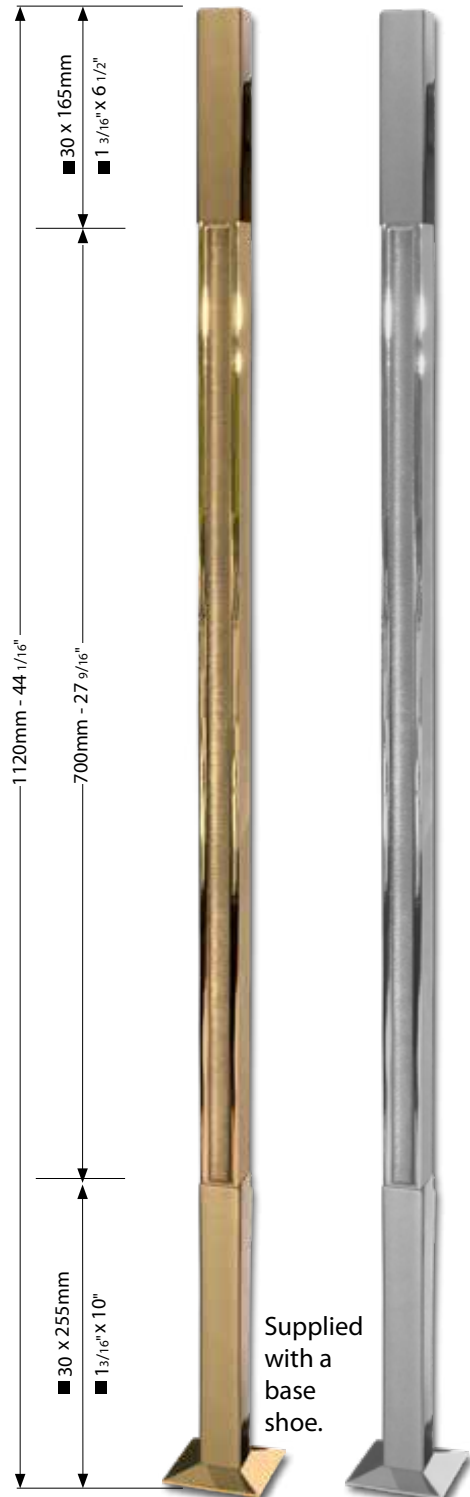
***PVD vacuum plating is a highly durable coating that resists tarnish, corrosion, and scratching.**



16 MM
5/8" CSKF16NI



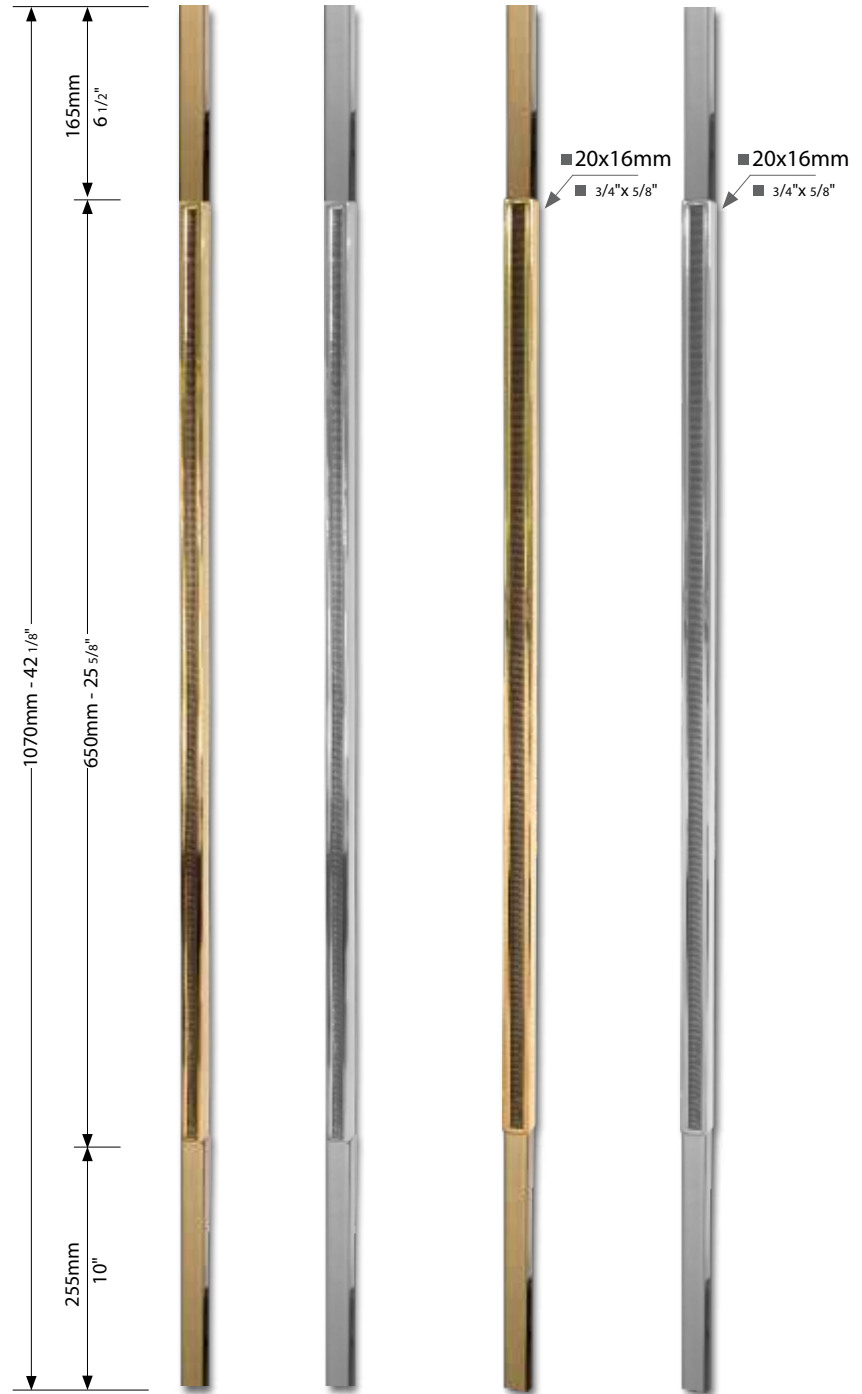
16 MM
5/8" CSKF16L



PL122L-F

PL122NI-F

Supplied
with a
base
shoe.



16 mm
5/8" BL127L-F BL127NI-F BL122L-F BL122NI-F

ALL DIMENSIONS ARE APPROXIMATE.

SQUARE SERIES FROM *grande forge*

The body and ends of these balusters is in Stainless Steel. A PVD* Coating of brass, rose or gilded finish can be applied. The "NI" is a highly polished finish on the stainless steel bar and does not have a PVD coating applied. For indoor or outdoor applications.

***PVD vacuum plating is a highly durable coating that resists tarnish, corrosion, and scratching.**

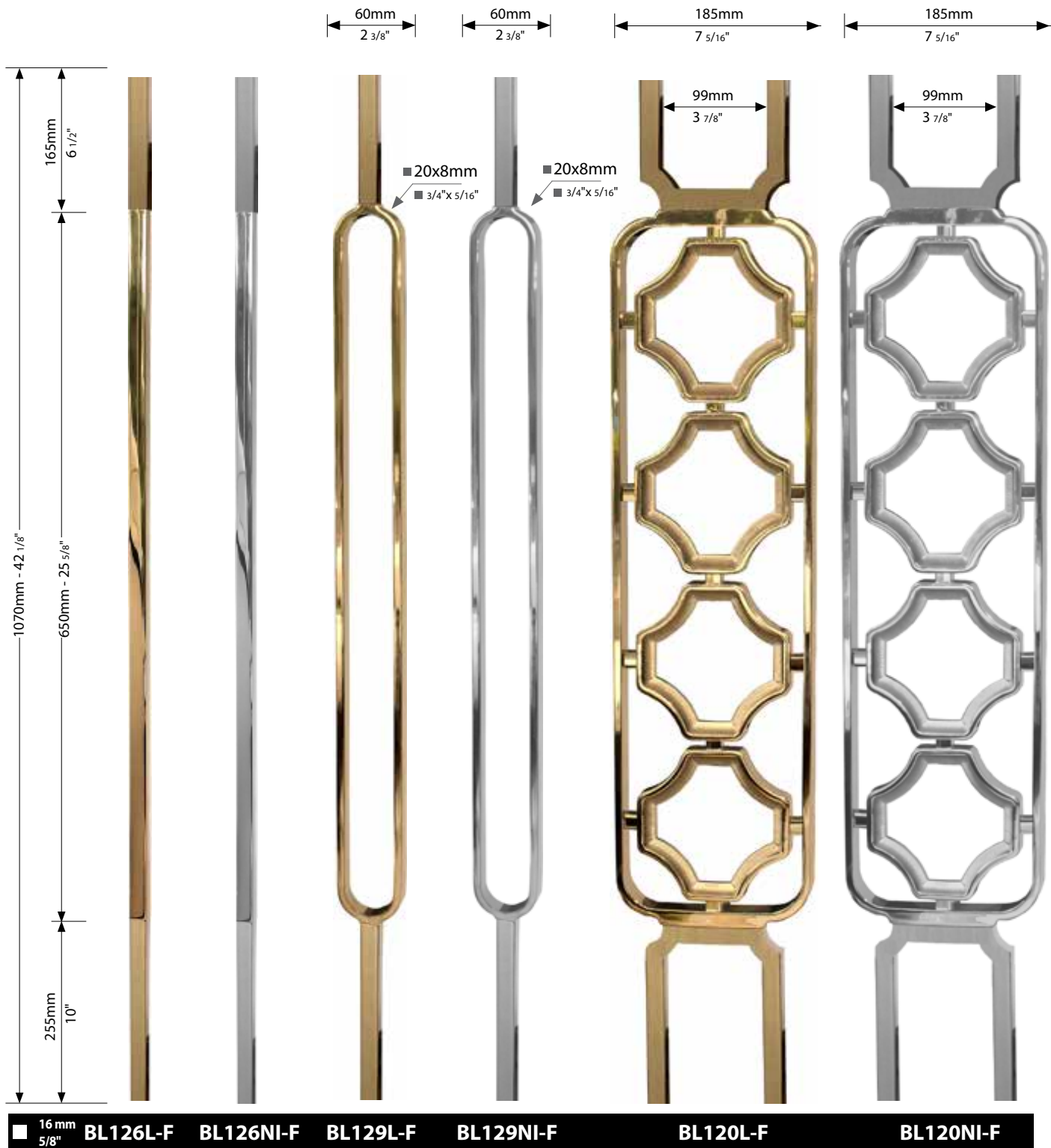
PVD Coatings available

Highly polished
Nickel Finish



G = BL127G-F RO = BL127RO-F L = BL127L-F

NI = BL127NI-F



ALL DIMENSIONS ARE APPROXIMATE.

BLACK DIAMOND SERIES FROM *grande forge*

Discover the Black Diamond series whose graceful design and gleaming crystals will add a touch of elegance to any interior space. The body of the baluster is raw steel painted matte black.



■ L= 705mm L= 27 3/4"	BDP700 K	L= 735mm L= 28 15/16"	BDP710 K	BDB724 K	BDB734 K
● L= 705mm L= 27 3/4"	BDP700 R	L= 735mm L= 28 15/16"	BDP710 R	BDB724 R	BDB734 R



■ L= 705mm L= 27 3/4"	BDP700 K	L= 735mm L= 28 15/16"	BDP710 K	BDB724 K	BDB734 K
● L= 705mm L= 27 3/4"	BDP700 R	L= 735mm L= 28 15/16"	BDP710 R	BDB724 R	BDB734 R

ø 100mm
H: 140mm

ø 4"
H: 5 1/2"

Supplied with M10 Threaded hole

ø 54mm
ø 2 1/8"

TOPAZ

BDT35

ø 100mm
H: 140mm

ø 4"
H: 5 1/2"

Supplied with M10 Threaded hole

ø 54mm
ø 2 1/8"

BDT30

43mm
1 3/4"

120mm
4 3/4"

● 40 mm
1 5/8"

BDCS224

A

● 14 mm 9/16"	A = 53mm A = 2 1/8"	BDCS4
● 16 mm 5/8"	A = 53mm A = 2 1/8"	BDCS6
● 16 mm 5/8"	A = 63mm A = 2 1/2"	BDCS7

A

■ 16 mm 5/8"	A = 60mm A = 2 3/8"	BDCS616
■ 25mm 1"	A = 85mm A = 3 3/8"	BDCS825
■ 35mm 1 3/8"	A = 85mm A = 3 3/8"	BDCS835

ALL DIMENSIONS ARE APPROXIMATE.

BLACK SERIES FROM *grande forge*

Ball Tops:

Ball: 4" Ø
Height: 5-1/2"
Base: 2-1/8" Ø
M10 Threaded Hole



BDT30-TE

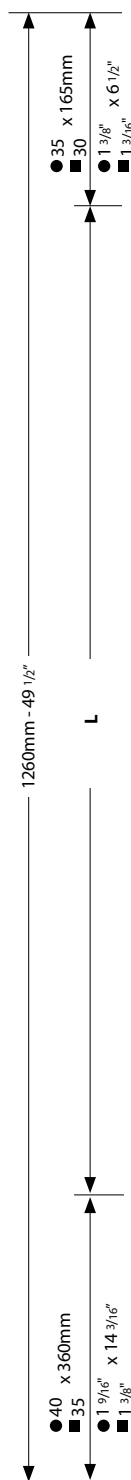
BDT30-GO

BDT30-LA

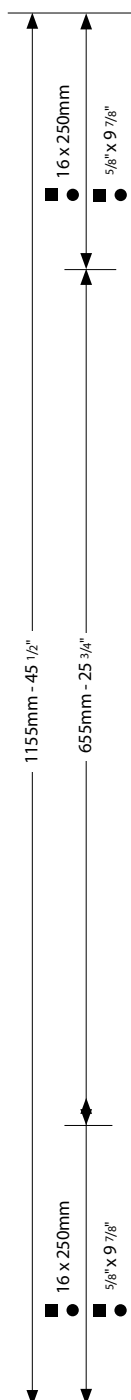
TIGER EYE

GREEN ONYX

LABRADORITE



Posts
supplied
with a
base
shoe.



Matching
base shoes
can be
found on
page 18

■ L= 705mm
L= 27 3/4"

BDP700K-TE

BDP700K-GO

BDP700K-LA

BDB724K-TE

BDB724K-GO

BDB724K-LA

● L= 705mm
L= 27 3/4"

BDP700R-TE

BDP700R-GO

BDP700R-LA

BDB724R-TE

BDB724R-GO

BDB724R-LA

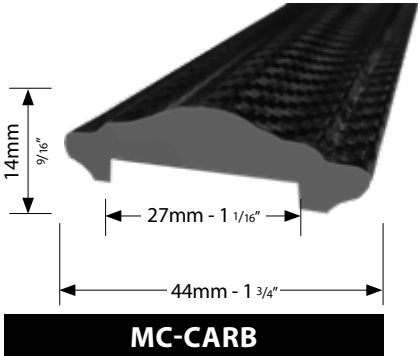
ALL DIMENSIONS ARE APPROXIMATE.

CARBONE SERIES HANDRAIL FROM *grande forge*

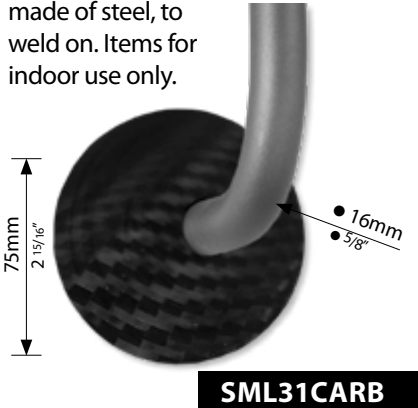
Experience the beauty of a railing system that incorporates carbon fiber. The Carbone Series will offer a unique and modern appearance to any home or business with it's selection of handrail, posts and balusters.

Easily malleable and suitable for different applications, carbon fiber has become a noble material. Used in the most advanced sectors, such as aeronautics, automotive or sport, carbon fiber has quickly become the unavoidable material of future applications.

Formed steel handrail with carbon cover.
Supplied in 9.84ft (3m) lengths.



Handrail brackets made of steel, to weld on. Items for indoor use only.



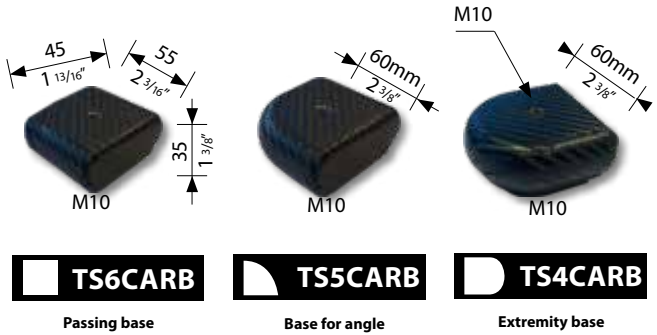
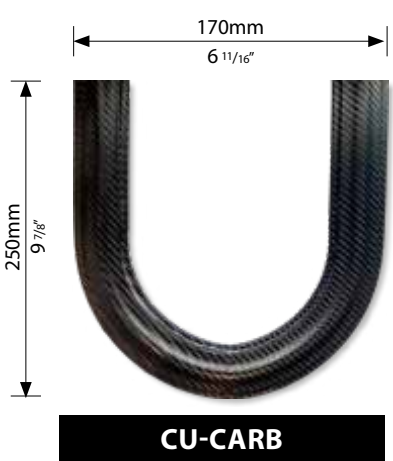
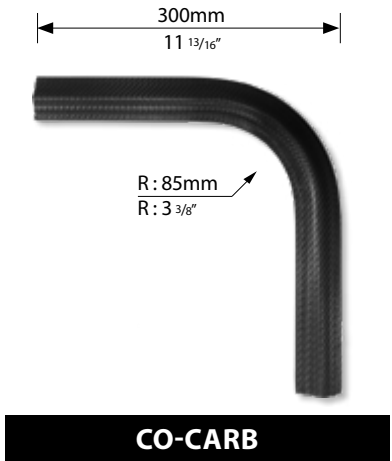
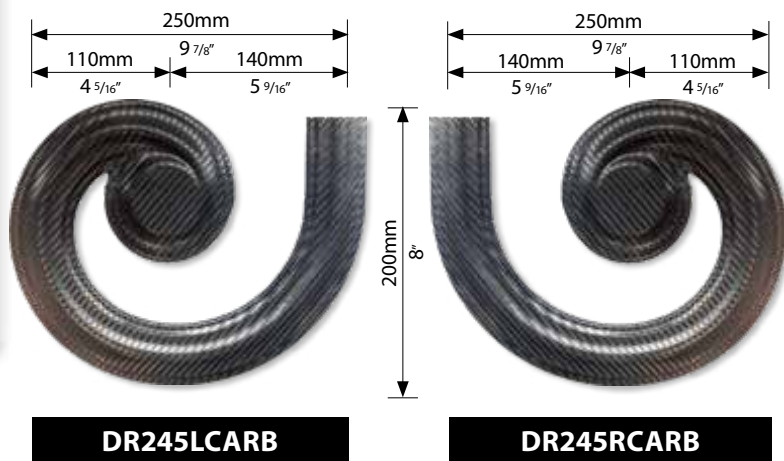
Steel castings coverjoint collar with carbon cover.



Rail ends, made of cast steel with carbon cover. Supplied with a 20x12 mm (3/4" x 1/2") steel scroll.



"LATERAL" rail ends, made of cast steel with carbon cover. Supplied with a 20x12 mm (3/4" x 1/2") steel scroll.



Carbon 3D textured adhesive film for covering handrails. Width 4-3/4" (120 mm)



Sold by the meter.
To be specified when ordering.

ALL DIMENSIONS ARE APPROXIMATE.

CARBONE SERIES BLACK CHROME FROM *grande forge*

Posts and balusters are optionally mounted with steel square (K) or round (R) or Stainless Steel (W) ends.
Stainless Steel ends only available in round. Exclusively for indoor use.

3½" Ø
sphere



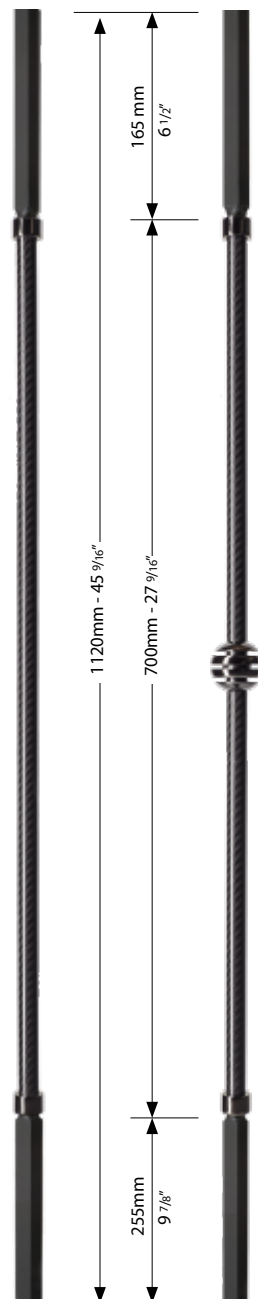
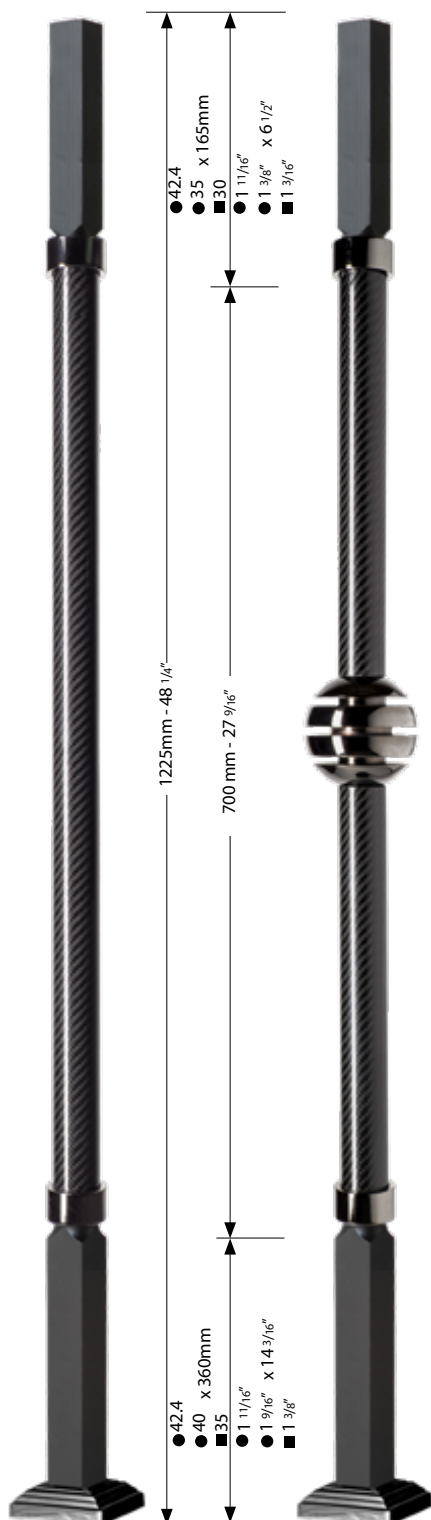
TCARB-CN

4" Ø
sphere

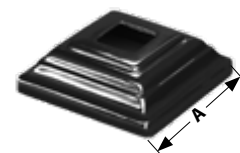


TBL70-CN

5½" high x 2⅝" Ø base



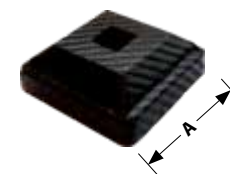
● 16 mm 5/8"	Ø = 63mm Ø = 2 1/2"	CSL61-CN
● 40 mm 1 5/8"	Ø = 120mm Ø = 4 3/4"	CSL114-CN
● 42.4 mm 1 11/16"	Ø = 80mm Ø = 1 1/8"	CSR42-CN



■ 16 mm 5/8"	A = 60mm A = 2 3/8"	CSL616-CN
■ 35 mm 1 3/8"	A = 92mm A = 3 5/8"	CSL835-CN



● 16 mm 5/8"	Ø = 63mm Ø = 2 1/2"	CSR16CARB
● 40 mm 1 5/8"	Ø = 120mm Ø = 4 3/4"	CSR40CARB
● 42.4 mm 1 11/16"	Ø = 80mm Ø = 3 1/8"	CSR42CARB



■ 16 mm 5/8"	A = 60mm A = 2 3/8"	CSK16CARB
■ 35 mm 1 3/8"	A = 92mm A = 3 5/8"	CSK35CARB

● 40 mm 1 5/8"	PCAR10-R-CN	PCAR11-R-CN
● 42.4 mm INOX* 1 11/16"	PCAR10-W-CN	PCAR11-W-CN
■ 35 mm 1 3/8"	PCAR10-K-CN	PCAR11-K-CN

BCAR10-R-CN	BCAR11-R-CN	16 mm 5/8"	●
BCAR10-W-CN	BCAR11-W-CN	16 mm INOX* 5/8"	●
BCAR10-K-CN	BCAR11-K-CN	16 mm 5/8"	■

*INOX - STAINLESS STEEL

ALL DIMENSIONS ARE APPROXIMATE.

CARBONE SERIES GOLD-NICKEL-SATIN FROM *grande forge*

Posts and balusters are optionally mounted with steel square (K) or round (R) or Stainless Steel (W) ends. Stainless Steel ends only available in round. Exclusively for indoor use.

G = Gold NI = Nickel SA = Satin

White, blue, red and custom colors are also available.

Visit our website at archirondesign.com/carbone



42.4
 35 x 165mm
 30
 1 11/16" x 6 1/2"
 1 3/8" x 1 3/8"

1225mm - 48 1/4"

700mm - 27 9/16"

42.4
 40 x 360mm
 35
 1 11/16" x 14 3/16"
 1 9/16" x 1 3/8"

Posts supplied with a base shoe.

● 40 mm 1 5/8"	PCAR10-R-G	PCAR11-R-G	PCAR10-R-NI	PCAR11-R-NI	PCAR10-R-SA	PCAR11-R-SA
● 42.4 mm INOX* 1 11/16"	PCAR10-W-G	PCAR11-W-G	PCAR10-W-NI	PCAR11-W-NI	PCAR10-W-SA	PCAR11-W-SA
■ 35 mm 1 3/8"	PCAR10-K-G	PCAR11-K-G	PCAR10-K-NI	PCAR11-K-NI	PCAR10-K-SA	PCAR11-K-SA

*INOX - STAINLESS STEEL

ALL DIMENSIONS ARE APPROXIMATE.

CARBONE SERIES GOLD-NICKEL-SATIN FROM *grande forge*

3½" Ø sphere



TCARB-G



TCARB-NI



TCARB-SA

4" Ø sphere



TBL70G



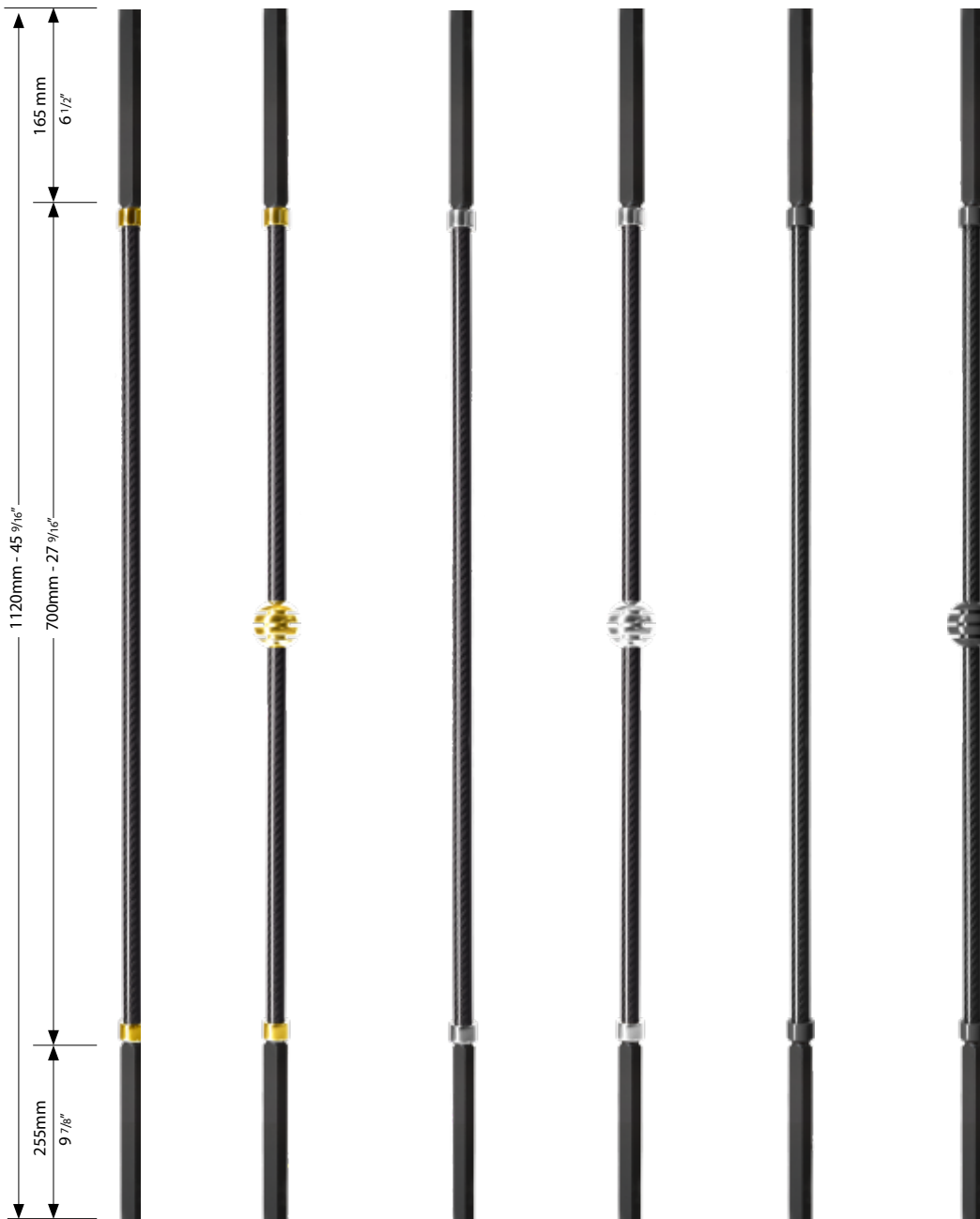
TBL70NI



TBL70SA



5½" high x 2½" Ø base



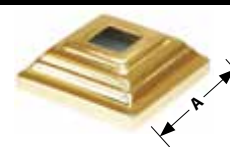
● 16 mm 5/8"	Ø = 63mm Ø = 2 1/2"	CSL61G
● 40 mm 1 5/8"	Ø = 110mm Ø = 4 5/16"	CSL114G
● 42.4 mm 1 11/16"	Ø = 80mm Ø = 3 1/8"	CSR42-G



● 16 mm 5/8"	Ø = 63mm Ø = 2 1/2"	CSL61NI
● 40 mm 1 5/8"	Ø = 110mm Ø = 4 5/16"	CSL114NI
● 42.4 mm 1 11/16"	Ø = 80mm Ø = 3 1/8"	CSR42-NI



● 16 mm 5/8"	Ø = 63mm Ø = 2 1/2"	CSL61SA
● 40 mm 1 5/8"	Ø = 110mm Ø = 4 5/16"	CSL114SA
● 42.4 mm 1 11/16"	Ø = 80mm Ø = 3 1/8"	CSR42-SA



■ 16 mm 5/8"	A = 60mm A = 2 3/8"	CSL616G
■ 35 mm 1 3/8"	A = 85mm A = 3 3/8"	CSL835G



■ 16 mm 5/8"	A = 60mm A = 2 3/8"	CSL616NI
■ 35 mm 1 3/8"	A = 85mm A = 3 3/8"	CSL835NI



■ 16 mm 5/8"	A = 60mm A = 2 3/8"	CSL616SA
■ 35 mm 1 3/8"	A = 85mm A = 3 3/8"	CSL835SA

BCAR10-R-G	BCAR11-R-G	BCAR10-R-NI	BCAR11-R-NI	BCAR10-R-SA	BCAR11-R-SA	16 mm 5/8"	●
BCAR10-W-G	BCAR11-W-G	BCAR10-W-NI	BCAR11-W-NI	BCAR10-W-SA	BCAR11-W-SA	16 mm INOX*	●
BCAR10-K-G	BCAR11-K-G	BCAR10-K-NI	BCAR11-K-NI	BCAR10-K-SA	BCAR11-K-SA	16 mm 5/8"	■

*INOX - STAINLESS STEEL

ALL DIMENSIONS ARE APPROXIMATE.

PARIS SERIES FROM *grande forge*

These posts and balusters are made of nickel-plated and 24 carat gilded brass. Please specify "guilloched" nickel-plated brass ends or smooth steel ends. Sparkling lead crystals adorn the centers. For indoor use only. **NOTE:** Mild steel ends are unfinished. Available painted upon request.

OPTIONAL FINISHES

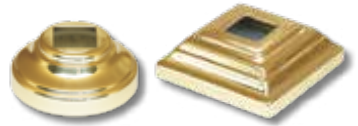
 **GOLD (G)**

 **NICKEL (NI)**

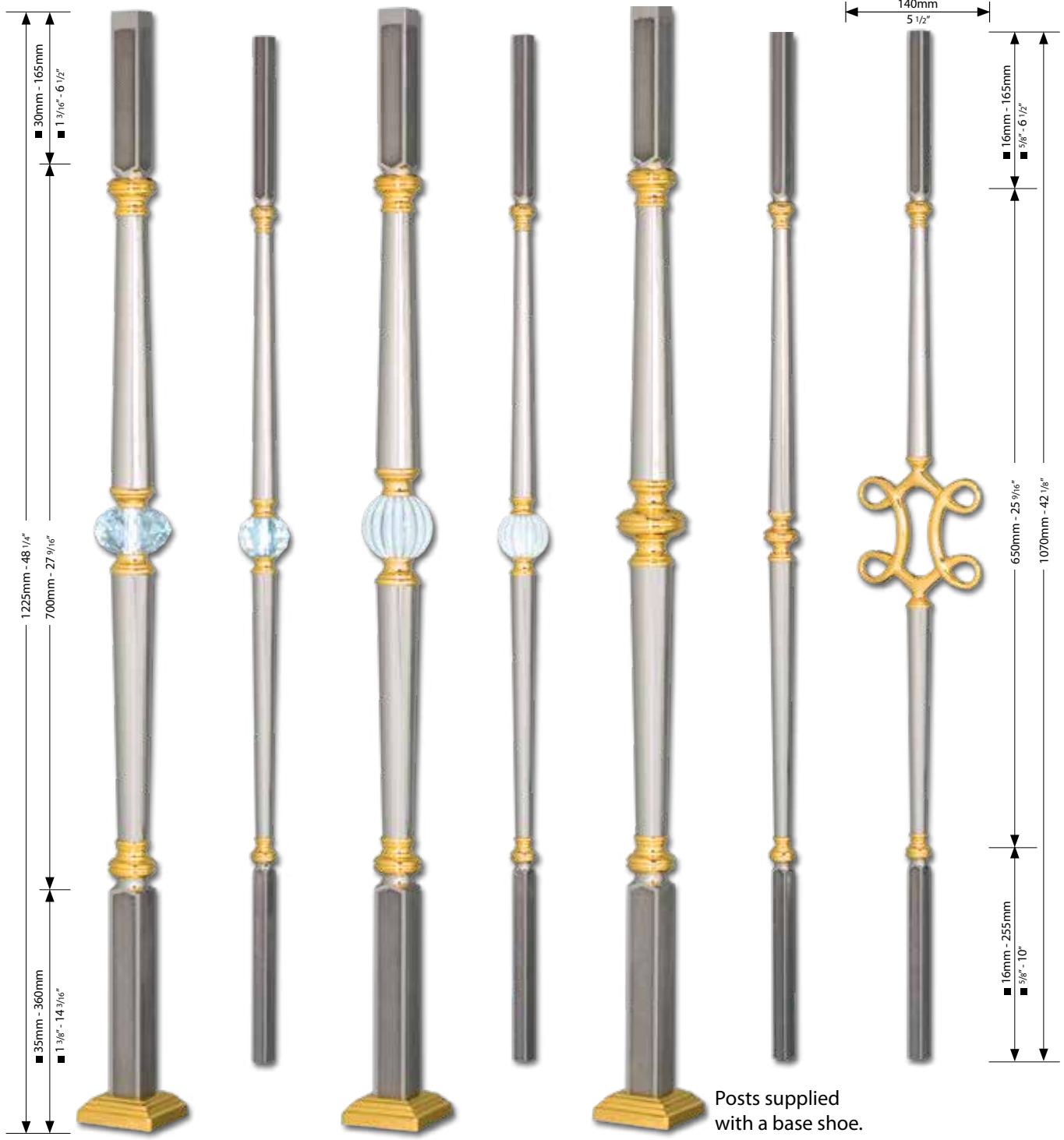
 **CHROME BLACK (CN)**

 **SATIN (SA)**

 **ROSE GOLD (RG)**



CSL54G	CSL616G
2-1/16" Ø for 5/8" sq.	2-3/8" sq. for 5/8" sq.



Posts supplied with a base shoe.

Guilloched ends	PL530	BL531	PL540	BL541	PL510	BL511	BL512
Mild iron ends	PL550	BL551	PL560	BL561	PL500	BL501	BL502

ALL DIMENSIONS ARE APPROXIMATE.

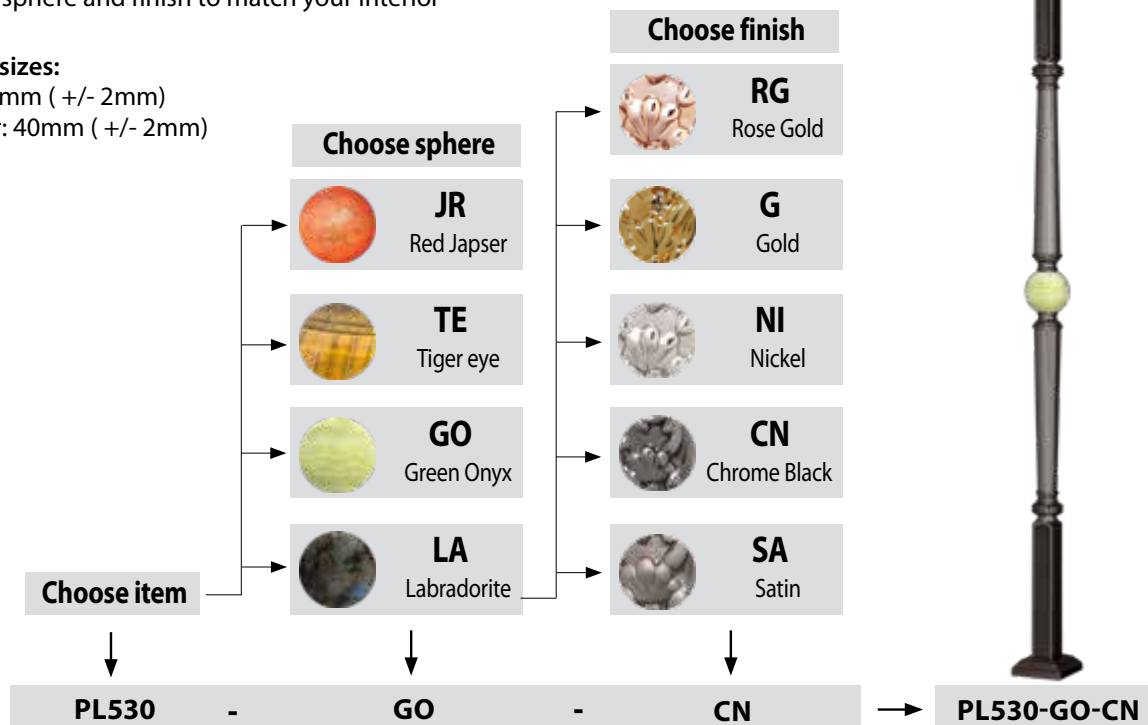
PARIS SERIES FROM *grande forge*

Create a unique post or baluster by choosing a colored sphere and finish to match your interior space.

Sphere sizes:

Post: 70mm (+/- 2mm)

Baluster: 40mm (+/- 2mm)



DIAMOND SERIES FROM *grande forge*

Genuine heirlooms with flashing crystals. The gleaming gold enhances their splendor. They are mounted with ROUND (R) OR SQUARE (K) steel endpieces, weldable. For indoor use only. **NOTE:** Mild steel ends are unfinished. Available painted upon request.

OPTIONAL
FINISHES



GOLD
(G)



NICKEL
(NI)



CHROME
BLACK
(CN)



SATIN
(SA)



ROSE
GOLD (RG)



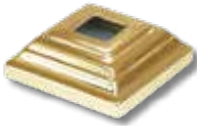
CSL61G

2-1/2" Ø
for 5/8" dia.



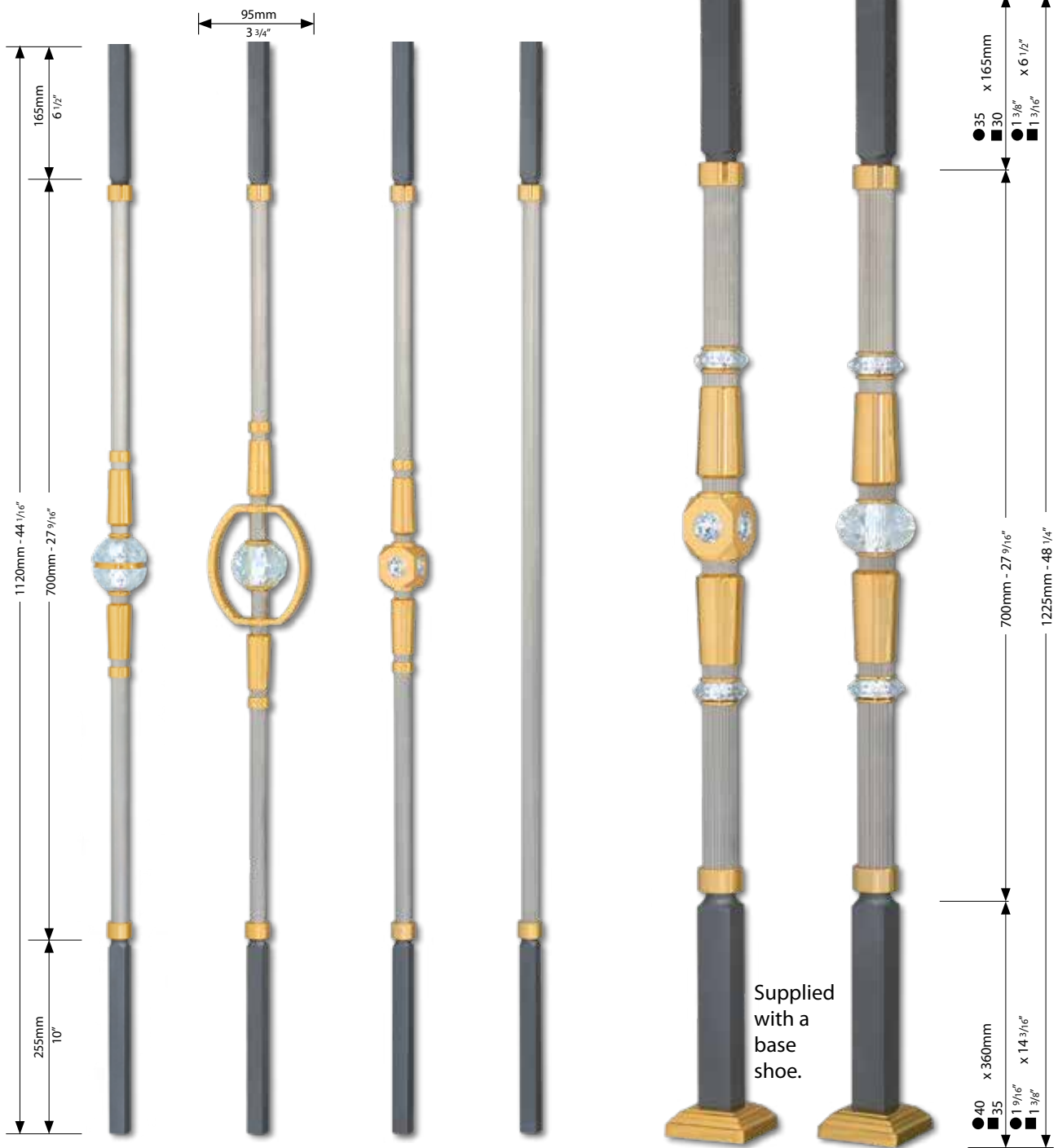
CSL54G

2-1/16" Ø
for 5/8" sq.



CSL616G

2-3/8" sq.
for 5/8" sq.



Supplied
with a
base
shoe.

● 16mm 5/8"	BL246R	BL243R	BL244R	BL245R	PL242R	PL240R
■ 16mm 5/8"	BL246K	BL243K	BL244K	BL245K	PL242K	PL240K

ALL DIMENSIONS ARE APPROXIMATE.

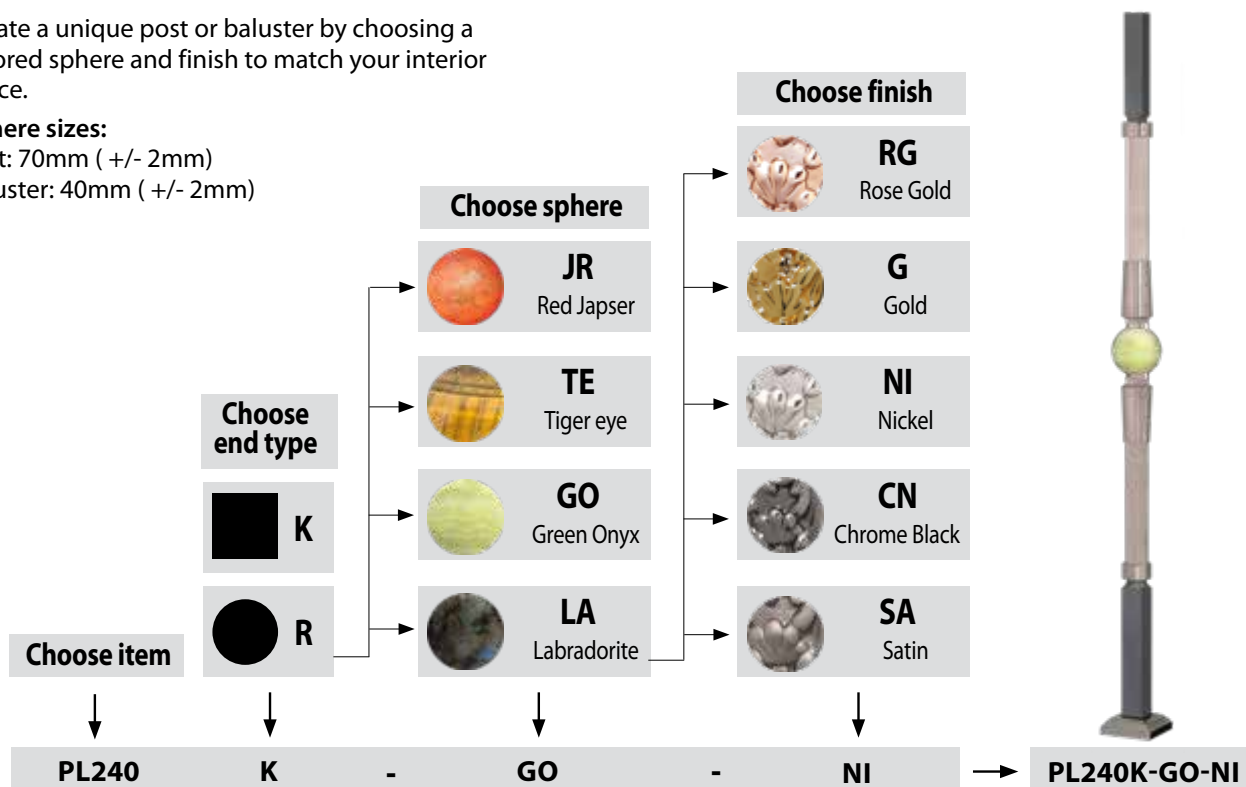
DIAMOND SERIES FROM *grande forge*

Create a unique post or baluster by choosing a colored sphere and finish to match your interior space.

Sphere sizes:

Post: 70mm (+/- 2mm)

Baluster: 40mm (+/- 2mm)



●	PL240R-TE-G	PL240R-LA-NI	PL240R-JR-RG
■	PL240K-TE-G	PL240K-LA-NI	PL240K-JR-RG

ROYAL SERIES FROM *grande forge*

The "ROYAL" series recreates the luxury and the glamour of the ancient palaces. The end pieces are made of mild steel, allowing for the assembly of the railing by welding. The ends, as well as the rails, should be painted with a satin finish in a color suitable to the room decoration. For indoor use only. **NOTE:** Mild steel ends are unfinished. Available painted upon request.



ALL DIMENSIONS ARE APPROXIMATE.

ROYAL SERIES FROM *grande forge*



Patinated **BL145** **BL144** **BL147** **BL148** **BL149**



CSL147

2" sq. – for 5/8" sq.



CSL86

2-5/8" Ø – for 5/8" sq.



CSL403

2-3/8" wide x 1-7/8" deep – for 5/8" sq.

AVAILABLE FINISHES



PATINATED **BL 149**



GILDED **BL 149 G**



SATIN **BL 149 SA**



CHROME BLACK **BL 149 CN**



NICKEL **BL 149 NI**



ROSE GOLD **BL 149 RG**



TBL5

4" W x 4-5/16" H
1-9/16" dia. base.



TBL9

2-3/4" W x 5-3/8" H
1-13/16" dia. base.

ALL DIMENSIONS ARE APPROXIMATE.

BRASS HANDRAILS FROM grande forge

Luxury abounds in this handrailing by Grande Forge.
Three profiles are available to choose from as seen below.

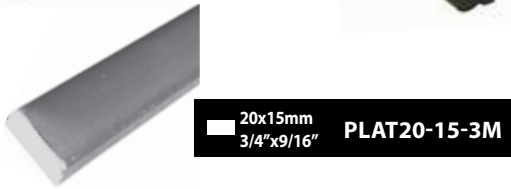


Special brass handrails (Cu Zn, 40 MnA) and ends. Available rough-laminated or prepolished. "P" (denotes polished finish). Recommended flat bar: (3/4" x 1/2"). All handrail is supplied in 9'10" lengths.

Note: G/NI/CN/SA/RG finish recommended for straight runs only. Bending or heating will damage the finish.

1-3/4" handrail	2" handrail	2-1/4" handrail
Brass MCL45 (mill finish) MCL45P (polished)	Brass MCL50 (mill finish) MCL50P (polished)	Brass MCL60 (mill finish) MCL60P (polished)
Nickel MCL45NI	Nickel MCL50NI	Nickel MCL60NI
Chrome-Black MCL45CN	Chrome-Black MCL50CN	Chrome-Black MCL60CN
Satin MCL45SA	Satin MCL50SA	Satin MCL60SA

Steel flat bar for use with the handrail shown above.
Supplied in 9'10" lengths.



ALL DIMENSIONS ARE APPROXIMATE.

BRASS HANDRAILS FROM grande forge

OPTIONAL FINISHES



GOLD
(G)



NICKEL
(NI)



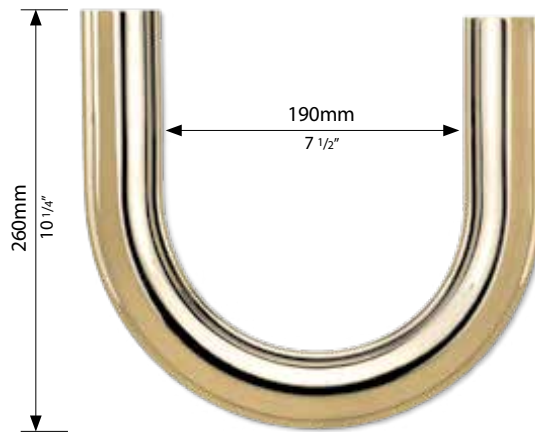
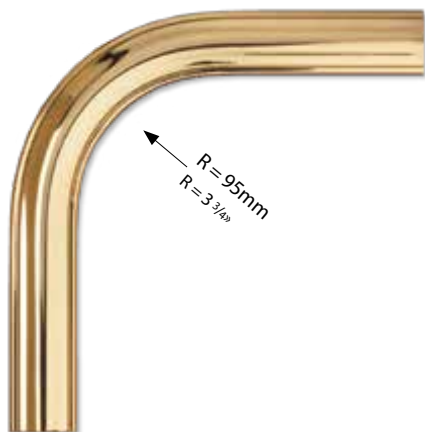
CHROME
BLACK
(CN)



SATIN
(SA)



ROSE
GOLD
(RG)



For MCL45	COL45	COL45P
For MCL50	COL50	COL50P
For MCL60	-	COL60P

For MCL45	CUL45	CUL45P
For MCL50	CUL50	CUL50P
For MCL60	-	CUL60P

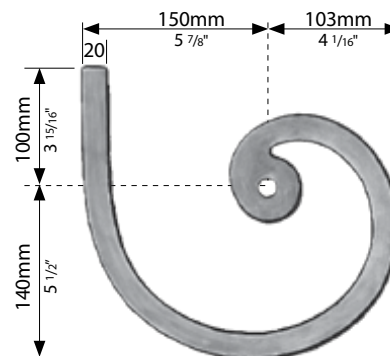
"LATERAL" scrolls for MCL45, MCL50 and MCL60 are supplied in solid polished brass. Use with DL51, steel scroll 20x12mm, $\frac{3}{4}$ " x $\frac{1}{2}$ ".



DL45L	For MCL45	DL45R
DL50L	For MCL50	DL50R
DL60L	For MCL60	DL60R

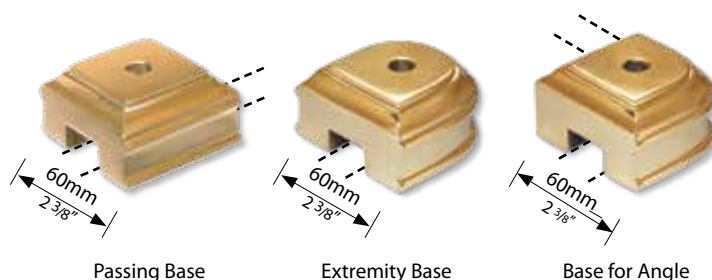
"LATERAL" bottom rail scroll made of a 20 x 12mm ($\frac{3}{4}$ " x $\frac{1}{2}$ ") steel bar. Fit for use left or right.

FOR DL 45/50/60 L&R.



■ 20 x 12 mm
 $\frac{3}{4}$ " x $\frac{1}{2}$ " **DL51**

Brass finial bases, polished and lacquered or 24-carat gold plated : "G". Items for indoor use only.



Passing Base

Extremity Base

Base for Angle



Brass volute-end, polished. Recessed to receive a 20 x 12 mm bar ($\frac{3}{4}$ " x $\frac{1}{2}$ ").



For MCL45	DRL45
For MCL50	DRL50
For MCL60	DRL60

Polished brass coverjoint collar.



For MCL45	RAL45
For MCL50	RAL50
For MCL60	RAL60

ALL DIMENSIONS ARE APPROXIMATE.

DESIGN GALLERY



DESIGN:
GF-RY001

COMPONENTS:
Post: PL140
Balusters: BL149
BL147
BL145
Handrail: MCL60P
Finial: TBL9
Finial Base: TSL3

ROYAL



DESIGN:
AIDI032

COMPONENTS:
Post: PL550
Balusters: BL501
BL551
Base Shoe: CSL616G

Photo courtesy of Cacciola Iron Works

PARIS



DESIGN:
GF-MD003

COMPONENTS:
Posts: PL170K
Baluster: BL175K
Base Shoe: CSL616

Photo courtesy of HMM Iron Designs

MODERN

ROYAL



DESIGN:
GF-RY002

COMPONENTS:

Post: PL142
Balusters: BL148
BL147
BL145
Handrail: MCL60P
Finial: TBL9
Finial Base: TSL3

BLACK DIAMOND



DESIGN:
AIDI033

COMPONENTS:

Post: BDP700R
Balusters: BDB724R
BDB734R

Photo courtesy of Capozzoli Metalworks

HARMONIE



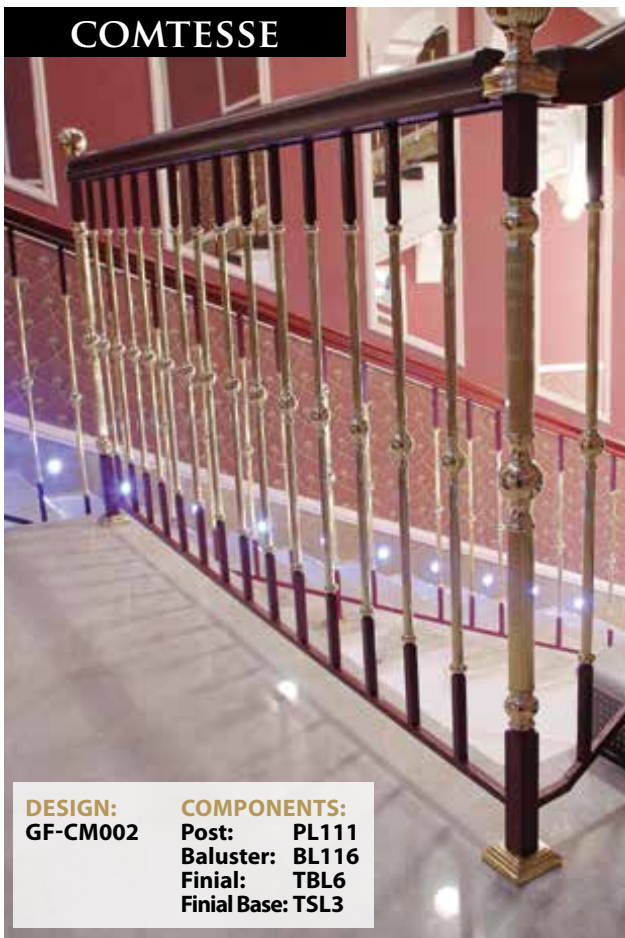
DESIGN:
GF-HM004

COMPONENTS:

Baluster: BL103
Base Shoe: CSL51

DESIGN GALLERY

COMTESSE



DESIGN:
GF-CM002

COMPONENTS:
Post: PL111
Baluster: BL116
Finial: TBL6
Finial Base: TSL3



DESIGN:
GF-RY003

COMPONENTS:
Post: PL142NI
Balusters: BL149NI
BL147NI
Handrail: MCL60PNI
Finial: TBL9NI
Finial Base: TSL2NI

**ROYAL
"NI"
FINISH**

DIAMOND



DESIGN:
GF-DI003

COMPONENTS:
Post: PL242K
Balusters: BL244K
BL245K
Base Shoe: CSL616G
Handrail: MCL60P
Finial: TSL2
Finial: TBL30G

DESIGN:
GF-HM002

COMPONENTS:
Post: PL101
Handrail: MCL60P
Glass Clip: GC8050
Finial: TBL6
Finial Base: TSL1



HARMONIE

SQUARE



DESIGN:
GF-SQ001

COMPONENTS:

Post: PL122NI
Balusters: BL127NI
BL129NI
Handrail: MCL60NI
Volute: DRL60NI

CARBONE



DESIGN:
GF-CA001

COMPONENTS:

Post: PCAR11K-RED
Balusters: BCAR10K-RED
BCAR11K-RED
Finial: TBL70-RED
Handrail: MC-CARB

BLACK LABRADORITE



DESIGN:
GF-BL001

COMPONENTS:

Post: BDP700K-LA
Baluster: BDB724K-LA
Finial: BDT30-LA



DESIGN:
GF-MD003

COMPONENTS:

Post: PL170R
Balusters: BL177K
BL178K
BL175K
Finial: TBL37
Finial Base: TSL3
Handrail: MCL60P
Base Shoe: CSL616

MODERN

DESIGN GALLERY

CLASSIC



DESIGN:
GF-CL003

COMPONENTS:
Post: PC616
Balusters: B6705, B6106
Handrail: MCL50P
Lateral Scroll: DL50L
Volute: DRL50
Finial: TBL6
Base Shoe: CSL614

HARMONIE



DESIGN:
GF-HM003

COMPONENTS:
Post: PL100
Balusters: BL103
BL105
Handrail: MCL60P
Finial: TBL2
Finial Base: TSL2

PARIS



DESIGN:
AIDI006

COMPONENTS:
Post: PL550
Balusters: BL551
BL501
Finial: TBL30

Photo courtesy of Diana

BLACK DIAMOND



DESIGN:
AIDI091

COMPONENTS:
Post: BDP700R
Balusters: BDB724R
BDB734R

Photo courtesy of The Forger of NY

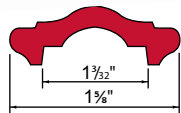
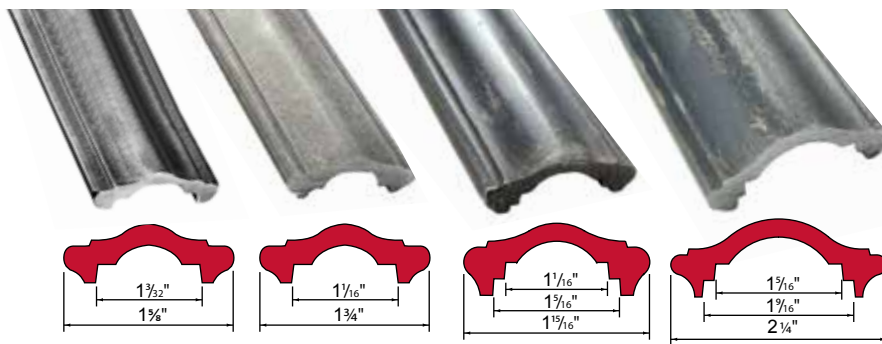
IRON & STEEL RAILINGS

- 38** Steel Handrail & Fittings
- 39** Tubular Handrail & Fittings
- 40** Decorative Flat & Convex Bars
- 41** End Scrolls for Steel Flat Bars
- 42-44** Pipe Fittings
- 45-46** Textured Bars
- 47** Rope Twists, Fully Twisted & Hot Pierced Bar
- 48** Bamboo
- 49** Collar Material, Half Round/ Half Oval Bars & Plain Steel
- 50-53** Handrail & Side Mount Brackets
- 54-56** Forged Newel/Starter Posts
- 57-62** Ornamental Iron Posts
- 63-71** Modern Balusters & Panels
- 72** City Series from Grande Forge
- 73** Quartz Series from Grande Forge
- 74-76** Cast Iron Series from Grande Forge
- 77-81** Mozart Series from Grande Forge
- 82-83** Ronde Series from Grande Forge
- 84** Castel Series from Grande Forge
- 85** Masters Series from Grande Forge
- 86-89** Tradition Series from Grande Forge
- 90** Rustique Series from Grande Forge
- 91** Venezia Series from Grande Forge
- 92** Twisted Bar
- 93-98** Forged Balusters
- 99** Balcony Rails & Forged Bows
- 100-101** Economy & Forged Scroll Panels
- 102-114** Regency Railing Prefabricated Panels
- 115-127** Ornamental Forged Scroll Panels
- 128-129** Ornamental Cast Iron Balusters
- 130-138** Ornamental Cast Iron Panels

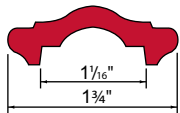


STEEL HANDRAIL AND FITTINGS

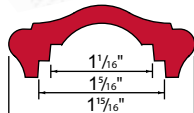
STEEL HANDRAIL MOLDINGS, HOT ROLLED



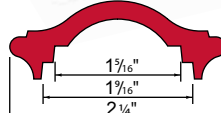
H1250
1-5/8" wide
20' length



H1248
1-3/4" wide
20' length



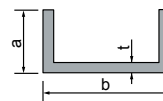
H1252
1-15/16" wide
20' length



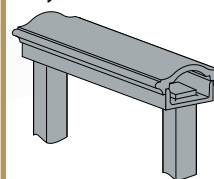
H1244
2-1/4" wide
19' length

Steel Channel

Mill Finish, 20' Lengths



For use as a reveal with handrail sections. Channel may be welded, brazed or mechanically fastened to the underside of the handrail.



**Pre-punched channel or flat bar available upon request*

In this detail, channel is punched to accept pickets. Picket/channel assembly is then attached to the underside of the railing.

Steel Hot-Rolled

ITEM	B	A	T	USE WITH
C11218	1"	1/2"	1/8"	H1248
C1141218	1-1/4"	1/2"	1/8"	H1252
C1121218	1-1/2"	1/2"	1/8"	H1244

DUCTILE IRON LATERAL SCROLLS AND FITTINGS AVAILABLE FOR HANDRAIL H1248 - H1252 - H1244

(Indicate left or right when ordering) *NOTE: H1248 fittings can be used with H1250 with some modification.*

A-Senior Lateral Scroll



Left
H1248AL
X=10 1/4" Y=8 1/2"
H1252AL
X=11 3/4" Y=9 5/8"
H1244AL
X=13 3/8" Y=11"



Right
H1248AR
X=10 1/4" Y=8 1/2"
H1252AR
X=11 3/4" Y=9 5/8"
H1244AR
X=13 3/8" Y=11"

B-Senior Lateral Channel



Left
H1248BL
X=9 1/2" Y=7 3/4"
H1252BL
X=10 5/8" Y=8 5/8"
H1244BL
X=12" Y=9 3/4"



Right
H1248BR
X=9 1/2" Y=7 3/4"
H1252BR
X=10 5/8" Y=8 5/8"
H1244BR
X=12" Y=9 3/4"

K-Corner Bend

KK-Channel Corner Bend

May also be used as a wall return - by trimming one leg - or combine two for a 180° turn.



H1248K
X=5" Y=6"
H1252K
X=5 3/4" Y=5 3/4"
H1244K
X=6" Y=6"
H1248KK
X=5" Y=5 1/2"
H1252KK
X=5" Y=5 1/2"
H1244KK
X=5" Y=5 1/2"

P-Straight Lamb's Tongue



H1248P
X=4 1/2" Y=5 1/2"
H1252P
X=5 1/2" Y=5 1/2"
H1244P
X=6" Y=6 1/2"



812/12
Use with: H1244
X=6 3/4" Y=12"

H-Bevel Lamb's Tongue

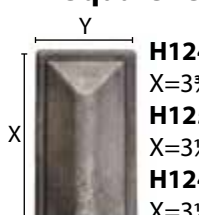


H1248H
X=5 1/2" Y=8 1/2"
H1252H
X=6" Y=8 1/2"
H1244H
X=6 1/2" Y=8 3/4"



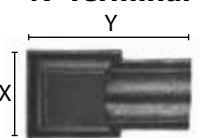
1377/40
Use with: H1244
X=7" Y=12 1/2"
1377/41*
Use with: H1250
X=9" Y=13"
**May use with item H1248, however additional welding and grinding will be needed.*

E-Square Terminal



H1248E
X=3 3/8" Y=1 3/4"
H1252E
X=3 1/2" Y=2"
H1244E
X=3 1/2" Y=2 1/4"

N-Terminal



H1248N, X=2 3/16" Y=3 3/4"
H1252N, X=2 11/16" Y=4 1/4"
H1244N, X=3 1/4" Y=4 3/4"

V-Volutes



H1248V
X=3 3/4" Y=5"
H1252V
X=3 1/2" Y=5"
H1244V
X=2 3/4" Y=5"

T-Center Piece



H1248T, Y=3 3/8"
H1252T, Y=5 5/8"
H1244T, Y=6 3/8"

L-Corner Piece



H1248L
X & Y=3 3/4"
H1252L
X & Y=4 1/4"
H1244L
X & Y=4 13/16"

The fittings may not be a perfect match

TUBULAR HANDRAIL AND FITTINGS

All items are in cast iron except for handrail.



THR (Steel Handrail)

1 3/4" W x 1" H
20' lengths



901

Beveled Lamb's Tongue
1 3/4" W x 3 3/4" H x 3 1/2" L



902

Straight Lamb's Tongue
1 3/4" W x 4 3/8" H x 2 5/8" L



900

Volute
1 3/4" W x 2 1/2" H x 3" L



7056

Round
2 1/4" W x 1 1/16" H x 2 1/4" L



7057

Step Rail Bend
1 3/4" W x 1 1/8" H x 2 1/4" L



7058

Rail End Plug
1 3/4" W x 1" H x 2 1/8" L



7059

Square
2 1/4" W x 1" H x 2 1/4" L



7055

Corner Cap
1 5/8" W x 3/4" H x 1 1/8" L



7051

Angle
3 5/8" W x 5/8" H x 3 5/8" L



7053

Terminal
2 1/8" W x 9/16" H x 3 9/16" L



654

Bracket
2 1/4" W x 3 3/4" H

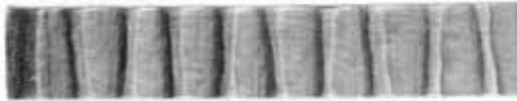
ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE FLAT & CONVEX BARS

Perfect for handrails, balconies and balustrade rails, our flat bar comes in a range of designs.
Match up with our end scrolls and sweeps.

PATTERNED FLAT BAR—Supplied in 9'10" lengths

WAVY BAR DESIGN



4/4

1-1/2" wide x 5/16" thick

EGYPTIAN



6/7

1-1/2" wide x 5/16" thick

TREE BARK DESIGN

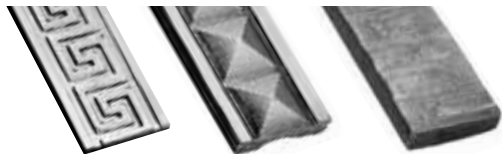


4/2

1-1/2" wide x 5/16" thick



Supplied 118" long



1834/2

1-7/32" wide
3/16" thick

1834/5

1-1/4" wide
3/8" thick

118/29

1-9/16" wide
1/8" thick



114/4

1-9/16" wide
5/16" thick

114/5

1-9/16" wide
5/16" thick

114/8

1-9/16" wide
5/16" thick

114/12

1-9/16" wide
5/16" thick



HALF OVAL HANDRAIL Supplied in 19'8" lengths

4435

2-1/8" wide
3/4" high



VOLUTE

4435V

5-1/2" long
and 2-1/4" tall

HAMMERED FLAT BAR Supplied in 19'8" lengths



4/14-20FT

1-1/2" x 5/16"



4/6-20FT

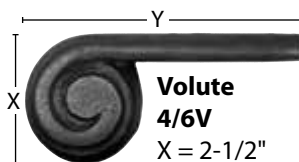
2" x 1/2",
Convex handrail,
flat base

CONVEX HANDRAIL & FITTINGS



Lamb's
Tongue
4/6LT

X=4-3/4"
Y=5-3/4"



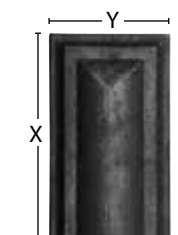
Volute

4/6V

X=2-1/2"
Y=5-5/8"

Corner
Bend
4/6K

X=8-1/8"
Y=3-1/2"



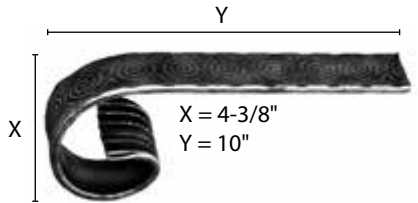
Terminal End
4/6E

X=3-11/16"
Y=2"

ALL DIMENSIONS ARE APPROXIMATE.

END SCROLLS FOR STEEL FLAT BARS

Match up with our patterned flat bars.



7/3A-Wavy
for use with handrail **4/4**

7/3G-Egyptian
for use with handrail **6/7**

7/3K-Treebark
for use with handrail **4/2**

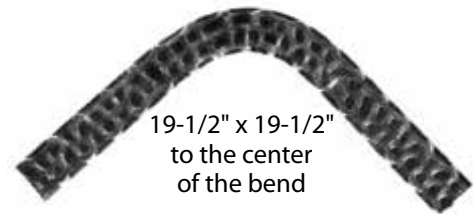


7/6A-Wavy

for use with handrail **4/4**

7/6G-Egyptian
for use with handrail **6/7**

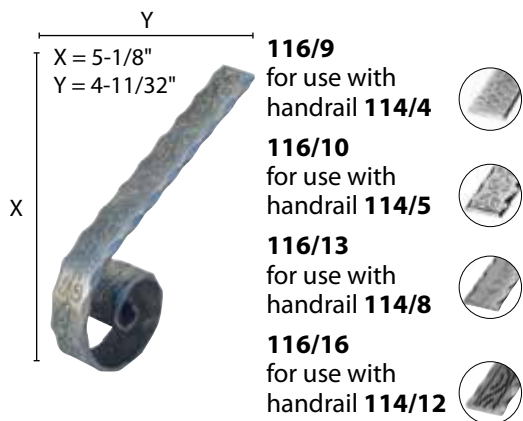
7/6K-Treebark
for use with handrail **4/2**



7/2A-Wavy
for use with handrail **4/4**

7/2G-Egyptian
for use with handrail **6/7**

7/2K-Treebark
for use with handrail **4/2**

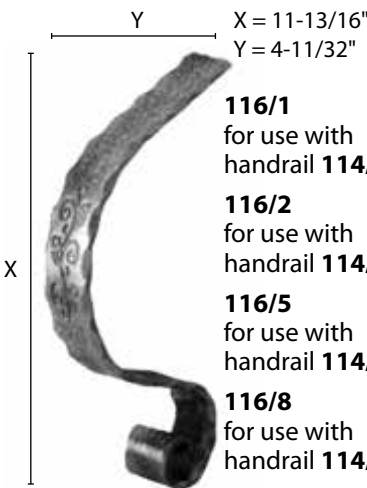


116/9
for use with
handrail **114/4**

116/10
for use with
handrail **114/5**

116/13
for use with
handrail **114/8**

116/16
for use with
handrail **114/12**



116/1
for use with
handrail **114/4**

116/2
for use with
handrail **114/5**

116/5
for use with
handrail **114/8**

116/8
for use with
handrail **114/12**

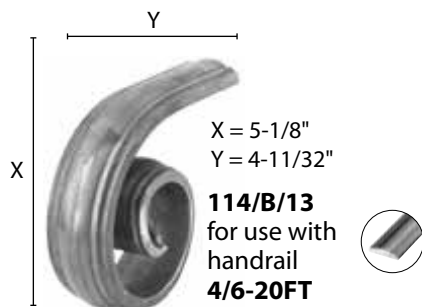


116/25
for use with
handrail **114/4**

116/26
for use with
handrail **114/5**

116/29
for use with
handrail **114/8**

116/32
for use with
handrail **114/12**



X = 5-1/8"
Y = 4-11/32"

114/B/13
for use with
handrail
4/6-20FT



114/B/14
for use with
handrail
4/6-20FT

X = 11-13/16"
Y = 4-11/32"



DESIGN:

1068/2

COMPONENTS:

Sweep: **7/6K**
Handrail: **4/2**
Posts: **2/1**
Fixing Plates: **92/3**
Scrolls: **58/12**
Upright Bars: **3/1**
Daisies: **77/30**
Rose Bar: **69/4**
Roses: **70/11 & 70/12**
Leaves: **77/32, 77/33 & 77/34**
Balls: **88/1 (1-1/2")**

ALL DIMENSIONS ARE APPROXIMATE.

ELBOWS

These elbows are precision mandrel bent parts - without seams - except as noted with an *.

90° Elbow

1-5/8" internal radius

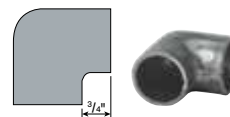


PIPE SIZE	OD	WALL THICKNESS	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	.140"	4434*	4444	4654
1-1/2"	1.90"	.145"	4464*	4474	4684

ALLOYS: Aluminum: 6063 Pipe Elbows
Stainless Steel: Type 304

90° Elbow

1/8" inside radius



PIPE SIZE	TUBE OD	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	801*	806*	810*
1-1/2"	1.90"	820*	824*	828*

ALLOYS: Steel: 1006-1010 - Aluminum: 3003 - Stainless Steel: Type 304

180° Elbow with Two 2" Tangents

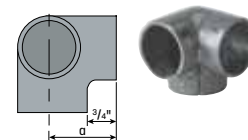
2" inside radius, trimmed



PIPE SIZE	OD	WALL THICKNESS	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	.140"	269-6	293-6	317-2
1-1/2"	1.90"	.145"	341-6	365-6	389-4

ALLOYS: Aluminum: 6063 Pipe Elbows
Stainless Steel: Type 304

Side Outlet Elbow



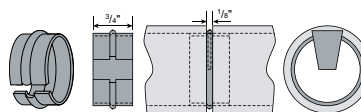
PIPE SIZE	TUBE OD	A	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	1-9/16"	840*	842*	844*
1-1/2"	1.90"	1-11/16"	841*	843*	845*

ALLOYS: Steel: 1006-1010 - Aluminum: 3003 - Stainless Steel: Type 304

WEDGE-LOCK WELDING CONNECTORS

Wedge-Lock Welding Connectors

- Available for Steel, Aluminum and Stainless Steel.
- No chamfering necessary.
- Aligns Pipe and Tube prior to welding.
- Save up to 50% on your shop and field welding and finishing costs.
- Saves grinding time.

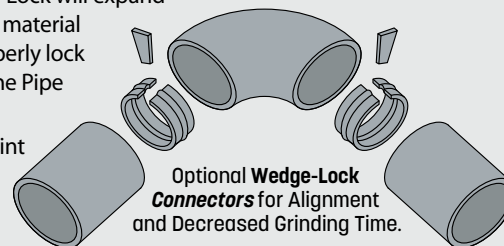


Wedge-Lock Welding Connectors for Pipe and Round Tubing

PIPE SIZE	SCH.	TUBE OD	WALL	STEEL	ALUMINUM	TYPE 304 STAINLESS
1-1/4"	40	1.66"	.140"	1023	1024	1025
1-1/2"	40	1.90"	.145"	1033	1034	1035

Wedge-Lock Instructions:

1. Place Connector in each end of Pipe or Tube until it makes contact with the Wedge-Lock's ribs.
2. Insert wedge into groove of Wedge-Lock and hammer into place.
3. The Wedge-Lock will expand against the material wall to properly lock and align the Pipe or Tube.
4. Weld the joint solid and grind smooth.



PIPE

Steel Pipe

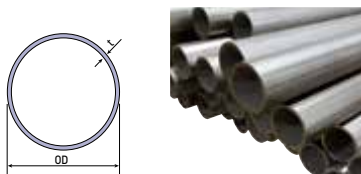
Round Black Pipe A53
21' Lengths



PIPE SIZE	SCH.	OD	ID	T	LB/FT	STEEL
1-1/4"	40	1.66"	1.38"	.140"	2.270	P135
1-1/2"	40	1.90"	1.61"	.145"	2.720	P175

Stainless Steel Pipe

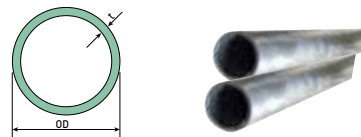
Type 304, mill finish
21' Lengths



PIPE SIZE	SCH.	OD	ID	T	LB/FT	MILL STAINLESS
1-1/4"	40	1.66"	1.38"	.140"	2.294	P792
1-1/2"	40	1.90"	1.61"	.145"	2.743	P897

Aluminum Pipe

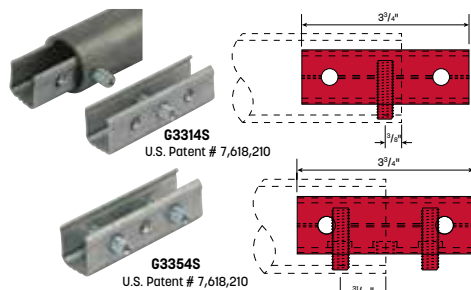
Alloy 6063, 20' Lengths,
Mill Finish



PIPE SIZE	SCH.	OD	ID	T	LB/FT	ALUMINUM
1-1/4"	40	1.66"	1.38"	.140"	.786	P490
1-1/2"	40	1.90"	1.61"	.145"	.940	P540

ALL DIMENSIONS ARE APPROXIMATE.

SPLICE LOCKS



Single-Lock One Piece Splice-Lock*

PIPE SIZE	SCH.	TUBE DIAMETER	WALL THICKNESS	SET SCREW	GALVANIZED STEEL
1-1/4"	40	1.60"	.140"	3/8" X 1-1/4"	G3314S
1-1/2"	40	1.90"	.145"	3/8" X 1-3/8"	G3318S

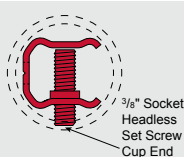
Double-Lock One Piece Splice-Lock*

PIPE SIZE	SCH.	TUBE DIAMETER	WALL THICKNESS	SET SCREW	GALVANIZED STEEL
1-1/4"	40	1.60"	.140"	3/8" X 1-1/4"	G3354S
1-1/2"	40	1.90"	.145"	3/8" X 1-3/8"	G3358S

* NOTE: Both sections to be joined must have the same wall thickness

One Piece Splice-Lock Assembly

1. Drill a 13/32" diameter hole for 3/8" **Screws** - 3/8" to center from the end of the **Pipe** or **Tube** for **Single-Lock**; 31/32" for **Double-Lock**.
2. Insert **Splice-Lock** into this first section.
3. Insert and partially tighten the **Set Screw**.
4. Slide other section to be joined over the **Splice-Lock**. If you are using a **Double-Lock Splice-Lock**, drill a 13/32" diameter hole in this section as well and insert second **Set Screw**.
5. Complete tightening of the **Set Screw(s)** until no movement.



INTERNAL SLEEVES

Internal Sleeve

May be used with Aluminum or Stainless Steel. Ribbed outer surface.



PIPE SIZE	SCH.	TUBE OD	TUBE ID	LENGTH	EXTRUDED ALUMINUM
1-1/4"	40	1.66"	1.38"	4"	IR70E-7
1-1/2"	40	1.90"	1.62"	5"	SA517

Internal Splice

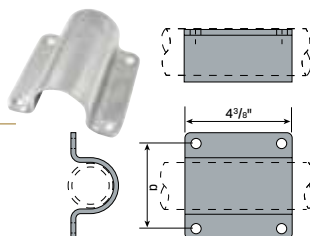
PIPE SIZE	TUBE OD	TUBE ID	LENGTH	TYPE 304 STAINLESS	14 GAUGE STEEL
1-1/4"	1.66"	1.38"	5"	1224	1220
1-1/2"	1.90"	1.62"	5"	1225	1222

U-BRACKET

U-Bracket

4-3/8" high, 3/16" thick

PIPE SIZE	TUBE OD	A	STEEL
1-1/4"	1.66"	3-1/2"	3682
1-1/2"	1.90"	3-1/2"	3684



FLANGES



Heavy Duty Weld Flange*

4-3/8" diameter with four oval mounting holes, clear for 3/8" bolts. May be used with or without a canopy flange.

FOR USE WITH PIPE SIZE	PIPE DIAMETER	THICKNESS	STEEL	TYPE 304 STAINLESS
1-1/4"	1.66"	1/4"	1613HD	1613HD-S
1-1/2"	1.90"	1/4"	1623HD	1623HD-S

* It is recommended that the flange be welded at both the top and the underside of the flange to achieve maximum strength.



Snap-On Cover Canopy Flange

4-1/2" diameter, 18 gauge. Cover has clearance for 3/8" bolt heads. This canopy flange drops into place. Use epoxy or silicone to affix to heavy duty weld flange..

PIPE SIZE	OD	COVER DIAM.	HT.	STEEL	3003 ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	4-1/2"	1"	2065	2066	2067
1-1/2"	1.90"	4-1/2"	1"	2075	2076	2077



Heavy Base Plain Flange with Set Screw*

PIPE SIZE	OD	STEEL	ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	1429	1469	1529
1-1/2"	1.90"	1437	1477	1537

* 1/4"-20 set screw - not for structural use.



Snap-On Cover Flange Base

4-3/8" diameter base has four clear mounting holes for 3/8" bolts.

PIPE SIZE	OD	COVER DIAM.	THICK.	STEEL	3003 ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	4-3/8"	.25"	2065B	2066B	2067B*
1-1/2"	1.90"	4-3/8"	.25"	2075B	2076B	2077B*

* Thickness = .188".



Plain Flange

PIPE SIZE	OD	STEEL	ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	1610	1630	1610-S
1-1/2"	1.90"	1620	1640	1620-S



Flange with Four Holes

PIPE SIZE	OD	STEEL	ALUMINUM
1-1/4"	1.66"	1613	1633
1-1/2"	1.90"	1623	1643

ALL DIMENSIONS ARE APPROXIMATE.

COPED DRIVE-ON CONNECTORS

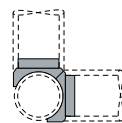
Coped Drive-On Connectors

No More Pipe Coping Or Notching Necessary

Simple to use and weld on. These money-saving Connectors are used with Pipe sections to form a railing system. Unique drive-on and weld design eliminates Pipe coping and saves time spent on cutting and alignment.

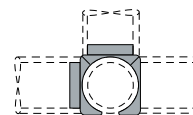
Use Type A Connectors for ramps. 32° Type B Bevel Tees may be used for 30° to 32° slopes; 36° Type D Bevel Tees may be used for 36° to 40° slopes; and 45° Type E Bevel Tees may be used for 42° to 48° slopes.

These Connectors are supplied with a mill finish.



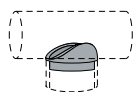
Corner Tee - Type B

PIPE SIZE	TUBE OD	SCH. 40 STEEL
1-1/4"	1.60"	1826
1-1/2"	1.90"	1838



Side Outlet Tee - Type C

PIPE SIZE	TUBE OD	SCH. 40 STEEL
1-1/4"	1.60"	1830
1-1/2"	1.90"	1842



90° Tee Connector - Type A

PIPE SIZE	TUBE OD	SCH. 40 STEEL	SCH. 40 ALUMINUM	SCH. 40 STAINLESS
1-1/4"	1.60"	1822	1823	1822S
1-1/2"	1.90"	1834	1835	1834S

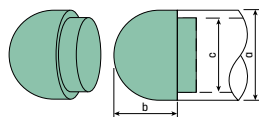
Bevel Tee - Types D and F

For use in 32° (Type F) and 36° (Type D) connections between posts and rails.



PIPE SIZE	TUBE OD	BEVEL	SCH. 40 STEEL
1-1/4"	1.60"	32°	1873
1-1/4"	1.60"	36°	1870
1-1/2"	1.90"	32°	1883
1-1/2"	1.90"	36°	1880

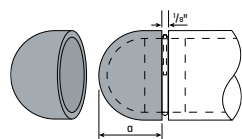
END CAPS



Type A Machined Drive-On End Cap for Schedule 40 Pipe, Alloy 6063 Aluminum

Deburr inside of pipe to give chamfered caps an easy start.

PIPE SIZE	A	B	C	MILL FINISH ALUMINUM
1-1/4"	1.66"	1-1/8"	1-5/16"	3231AM
1-1/2"	1.90"	1-1/8"	1-9/16"	3232AM

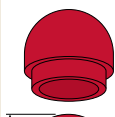


Type C Weld-On End Cap - Mill Finish

10 Ga. Thickness

PIPE SIZE	TUBE OD	A	STEEL
1-1/4"	1.66"	1-1/8"	3219
1-1/2"	1.90"	1-1/8"	3220

* Use Wedge-Lock Welding Connectors as seen on page 40.



Type A Drive-On End Cap for Schedule 40 Pipe

10 Ga. Thickness

Deburr inside of pipe to give chamfered caps an easy start.

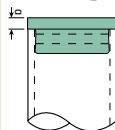
PIPE SIZE	A	B	C	STEEL
1-1/4"	1.66"	1-1/8"	1-3/8"	3211
1-1/2"	1.90"	1-3/8"	1-5/8"	3212



Type E Flat Drive-On Cap - Mill Finish

Four prong style. *For schedule 40 pipe size only.*

PIPE SIZE	TUBE OD	WALL THICKNESS	A	STEEL	TYPE 304 STAINLESS
1-1/4"	1.66"	.140"	3/16"	3286	3286-SS
1-1/2"	1.90"	.145"	3/16"	3287	3287-SS

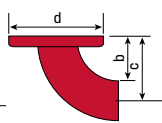
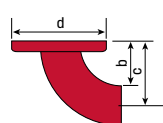


Type E Flat Machined Drive-On Cap

For schedule 40 pipe size only. 6063T52 Aluminum

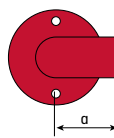
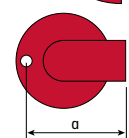
PIPE SIZE	TUBE OD	WALL THICKNESS	A	MILL FINISH ALUMINUM
1-1/4"	1.66"	.140"	3/16"	3291M
1-1/2"	1.90"	.145"	3/16"	3292M

WALL RETURNS



Flush Weld Wall Return with one 3/8" Hole

PIPE SIZE	OD	WALL THICKNESS	A	B	C	D	STEEL
1-1/4"	1.66"	.140"	3.88"	1.67"	2.5"	3.5"	1100-1



Flush Weld Wall Return with two 5/16" Holes

PIPE SIZE	OD	WALL THICKNESS	A	B	C	D	STEEL
1-1/4"	1.66"	.140"	2.44"	1.67"	2.5"	3.88"	1100-2

CAST IRON BALL CAPS



BC114 - 2" W x 2 3/4" H for 1 1/4" pipe

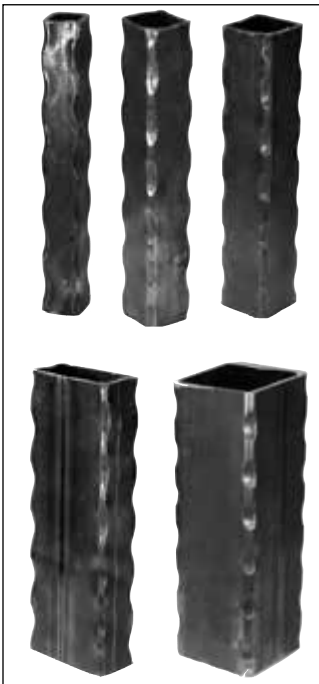
BC112 - 2 3/4" W x 3 1/8" H for 1 1/2" pipe

ALL DIMENSIONS ARE APPROXIMATE.

TEXTURED BARS

Wonderful for heavy or small gate frames, end posts on rails, balustrades and furniture.

CORNER HAMMERED TUBING - 20' LONG



ITEM NO. SIZE

2/9-20FT	3/4" x 3/4" x 1/16"
2/10-20FT	1" x 1" x 1/16"
2/2-20FT	1-3/16" x 1-3/16" x 1/8"
2/1-20FT	1-1/2" x 1-1/2" x 1/8"
2/8-20FT	2" x 1" x 1/8"
2/7-20FT	2" x 2" x 1/8"

FORGED WOOD GRAIN BAR

Well suited for furniture, fixtures, balusters, fences, scrollwork, vines, etc.

Sold in 10' Lengths



Item 70/14

Available in:

3/8" Ø,
1/2" Ø,
5/8" Ø,
3/4" Ø
1" Ø
1-1/4" Ø
1-1/2" Ø

GROOVED BARS



625/3
1/2" sq. x 10' long
625/5
5/8" sq. x 10' long
625/7
13/16" sq. x 10' long

FORGED 'VINE' BAR

Sold in 10' Lengths

Item 69/4

Available in: 1/4" Ø
5/16" Ø
3/8" Ø
1/2" Ø
5/8" Ø
3/4" Ø
1" Ø
1-1/4" Ø



DESIGN:

1001/2

Height = 7'11"
Width of opening = 4'6"

COMPONENTS:

Frame:	2/2
Vertical Bars:	69/4 - 3/4"
Leaves:	76/29 & 76/30
Vines:	69/4 - various sizes
Roses:	70/11 & 70/12

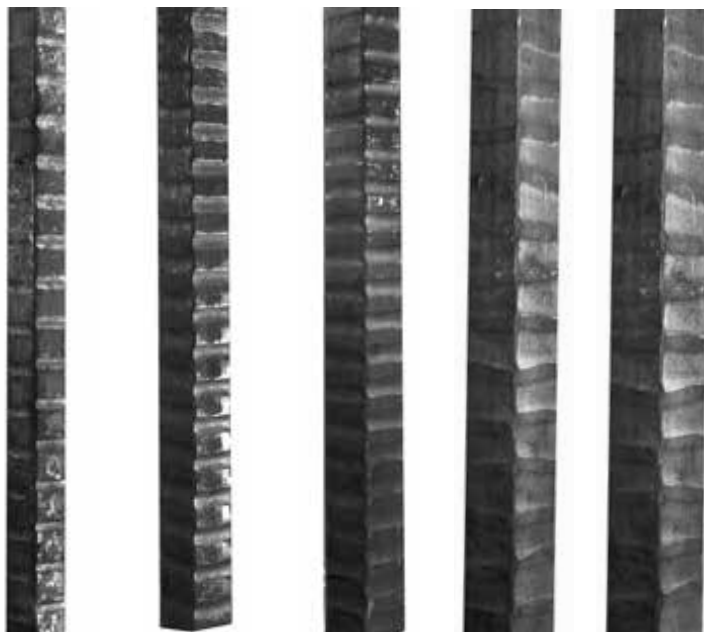
ALL DIMENSIONS ARE APPROXIMATE.

TEXTURED BARS

Ideal for frame work and uprights in gates, railings or furniture.

Note: hammering may vary from batch to batch.

HAMMERED SOLID BAR (WAVY) – Hammered on 4 sides



3/1	3/2	3/3	3/4	3/4A
1/2" Sq. 10ft lengths	5/8" Sq. 10ft lengths	3/4" Sq. 10ft lengths	1" Sq. 10ft lengths	1-1/4" Sq. 10ft lengths



DESIGN:

1057/1

Height = 58"

Width = 44"

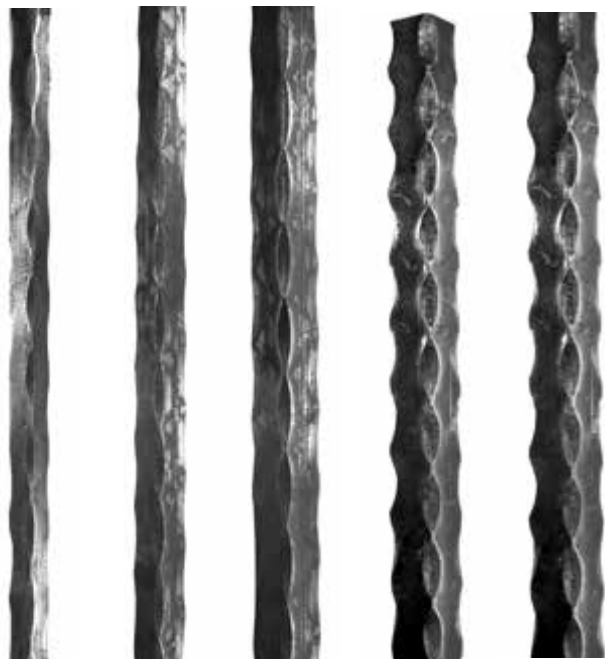
COMPONENTS:

Uprights: **3/3**
Horizontal
Bar: **3/6**
Finial: **82/7**
Scroll: **66/11**
Rosette: **77/31**

CORNER HAMMERED SOLID BAR

20' Lengths

10' Length



3/8	3/9	3/10	3/11	3/11A
1/2" Sq. 10ft	5/8" Sq. 10ft	3/4" Sq. 10ft	1" Sq. 10ft	1-1/4" Sq. 10ft

FLAT BAR

10' Lengths



Also used as
bottom rail

3/13	3/13A	3/6
1" x 1/4" Edge hammered	1" x 3/8" Edge hammered	1" x 3/8" flat Hammered on both sides

HEAVILY HAMMERED BAR

Mechanically hammered
on 4 corners and 4
sides. Length of bars
approximately 10'.



ITEM NO. SIZE

118/A/1 1/2" sq.
118/A/2 9/16" sq.
118/A/3 5/8" sq.
118/A/5 13/16" sq.

ALL DIMENSIONS ARE APPROXIMATE.

ROPE TWISTS, FULLY TWISTED & HOT PIERCED BARS

SOLID BAR ROPE TWIST sold in 9'4" Lengths



11/86	5/8"	11/88	1"	11/90	1-1/2"
11/87	3/4"	11/89	1-1/4"		

Our rope twists have a variety of applications. They can be used as decorative handrail, foot rail, trip rail and also provide a stunning effect when used in furniture.

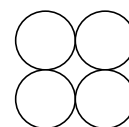
FULLY TWISTED BARS sold in 10' Lengths



11/34	1/4" sq.	11/37	1/2" sq.	11/40	1" sq.
11/35	5/16" sq.	11/38	5/8" sq.	11/41	1-1/4" sq.
11/36	3/8" sq.	11/39	3/4" sq.		

COMPOSITION OF FOUR STRAND ROPE TWIST

diameter across	strands
5/8"	4 x 1/4"
3/4"	4 x 5/16"
1"	4 x 3/8"
1-1/4"	4 x 1/2"
1-1/2"	4 x 5/8"

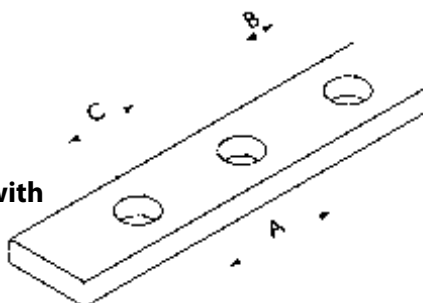


PUNCHED BAR and PUNCHED CHANNEL

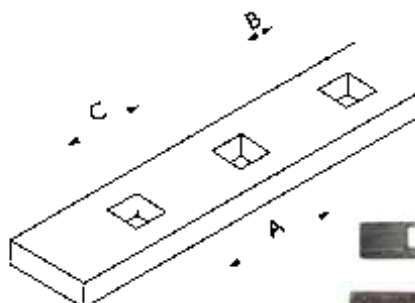
Custom made to your specifications.

Please specify dimensions of A, B, C and provide material size (required).

**Punched Bar with
Round Holes**



**Punched Bar with
Square Holes**



HOT PIERCED BARS



607/1

9/16" dia.
Pitch = 5-1/2"
1-3/32" x 9/16" holes
Holes per bar 14
78-3/4" long



606/2

5/8" dia.
Pitch = 5-7/8"
5/8" holes
Holes per bar 13
78-3/4" long



42/9/US

5/8" sq.
C-to-C = 4-1/2"
5/8" sq. holes
Holes per bar 17



42/2/US

5/8" dia.
C-to-C = 4-1/2"
5/8" round holes
Holes per bar 17

ALL DIMENSIONS ARE APPROXIMATE.

FORGED STEEL BAMBOO

This durable and versatile product is available in tubular sections and solid baluster for an infinite array of applications.

Sold in 10 Ft. Lengths

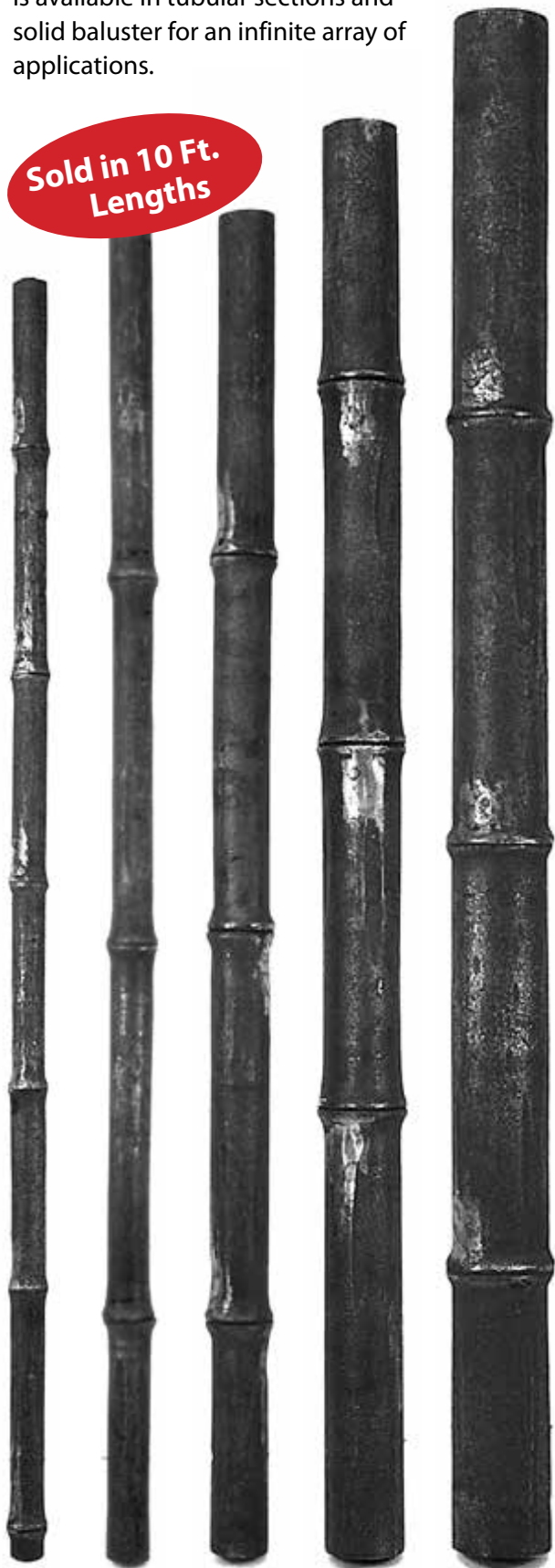


Photo courtesy of Raulli's Iron Works, Inc.

Solid Bamboo



Tubular Bamboo

USING SCHEDULE 80 PIPE

Item No.	Size
BST-58	5/8" Ø knot ~3/4" Ø
BST-34	3/4" Ø knot ~1" Ø
BST-1	1" Ø knot ~1-1/4" Ø
BST-114	1-1/4" Ø knot ~1-1/2" Ø
BST-112	1-1/2" Ø knot ~1-3/4" Ø

BSS-1-3/16

1-3/16" Ø
51" H

BSS-5/8

5/8" Ø
39-3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

COLLAR MATERIAL & PLAIN STEEL

COLLAR STRIP

Make your own banding collars or use for other decorative applications.

Available in 9'10" lengths

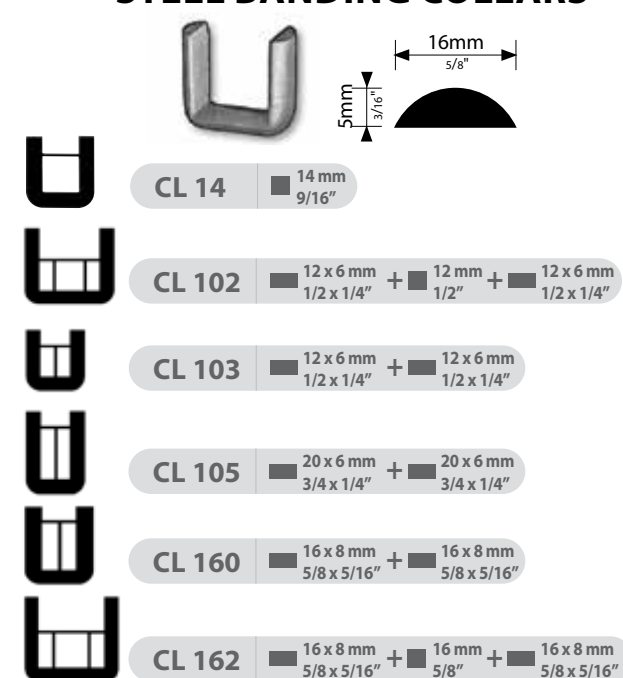
NOTE: Many sizes are in metric and are a close approximation to the imperial dimensions



BRASS COLLARS - MILL FINISH - 157-1/2" (4000mm) LONG



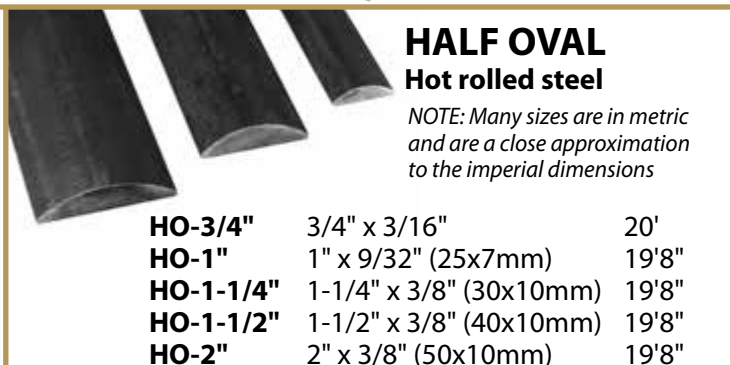
STEEL BANDING COLLARS



HALF OVAL

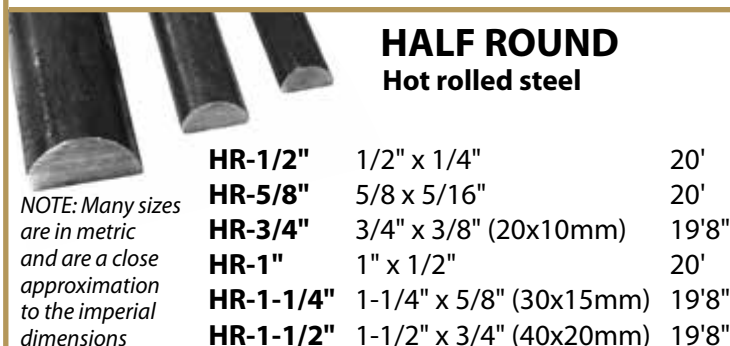
Hot rolled steel

NOTE: Many sizes are in metric and are a close approximation to the imperial dimensions



HALF ROUND

Hot rolled steel



PLAIN STEEL



ALL DIMENSIONS ARE APPROXIMATE.

HANDRAIL BRACKETS

Decorative Steel Handrail Brackets



SMC3

Backplate: 3-3/8" dia.
Bracket Arm: 9/16"
Clearance from wall:
3-3/8"



SMC5

Backplate:
3-3/8" W x 5-7/8" H
Bracket Arm: 9/16"
Clearance from wall:
3-3/8"



103/243

Backplate:
1-3/4" W x 2-1/4" H
Bracket Arm: 9/16"
Clearance
from wall: 2-1/2"



1405/1

Backplate:
1" W x 5/16" H
Bracket Arm: 1/2"
Clearance from wall:
2-1/2"



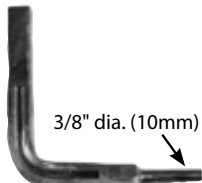
1405/3

Backplate: 3-5/32" dia.
Bracket Arm: 5/8" dia.
Clearance from wall:
2-1/2"



1405/2

Backplate: 3-5/32" dia.
Bracket Arm: 1/2" - 1/2"
Clearance from wall:
2-1/2"



1-430

Height: 5"
Bracket Arm: 5/8"
Clearance from wall:
5-3/8"



1003

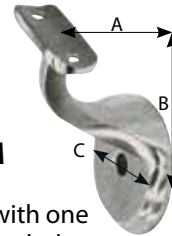
2-7/8" W x 3-1/8" H
Extends 7/8" x 7/8"
3/8" Ø hole



1002

1" W x 2" H
Extends 5/8" x 7/8"
Large Slot 1/4" x 7/8"
Small Slot 1/4" x 1/2"

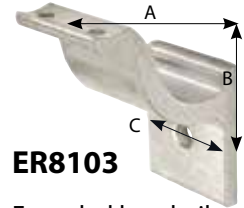
Aluminum Brackets



1805M

Saddle with one
mounting hole

Dimensions:
A = 2-1/2"
B = 2-15/16"
C = 2-3/4"



ER8103

Extruded handrail
bracket square base

Dimensions:
A = 2-1/2"
B = 2-5/8"
C = 2"



1003-AL

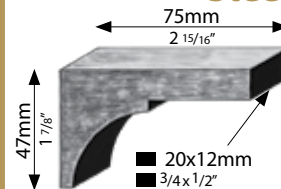
2-5/8" W x 2-7/8" H
1" Long, 3/16" Thick
3/8" Ø hole



1002-AL

1" W x 2" H
Extends 5/8" x 7/8"
Large Slot 1/4" x 7/8"
Small Slot 1/4" x 1/2"

Steel Connector



RAC20

Right angle steel connector for
square posts, designed to be
welded to upper and lower rails.
Supplied with M10 hex socket
head screw.



Brass Handrail Brackets



00-301

ITEM #	TUBING	CP	D
00-301/1-1/2	1-1/2"	2-1/2"	2-1/2"
00-301/2	2"	2-1/2"	2-1/2"



00-310

ITEM #	CP	D
00-310	2-1/4"	2-1/2"

Steel Handrail Bracket with Polished & Lacquered Brass Rosette



SML31

Backplate: 2-15/16" dia.
Bracket Arm: 5/8"
Clearance from wall: 3-3/8"



SML32

Backplate: 3-1/2" dia.
Bracket Arm: 9/16"
Clearance from wall: 3-3/8"

ALL DIMENSIONS ARE APPROXIMATE.

Traditional Cast Ductile Iron Bracket



Round Saddle

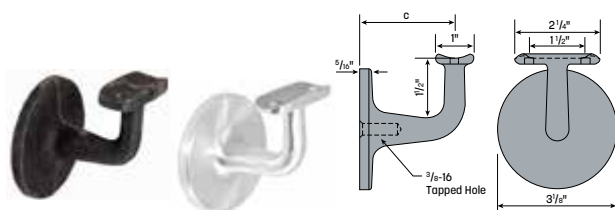
Can be used for flat as well

1766

Backplate: 2-3/4" dia.
Clearance from wall: 2-1/2"

1771

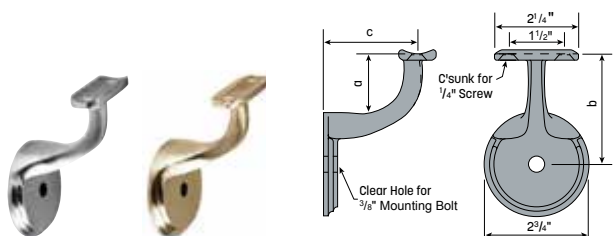
Backplate: 2-3/4" dia.
Clearance from wall: 3-1/4"



Universal Saddle Fits Round and Flat Materials with One 3/8-16 Tapped Hole

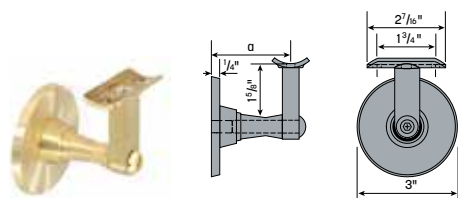
Saddle Holes are clear for 1/4" screws.

C	MALLEABLE IRON	SATIN ALUMINUM
2-1/2"	4591	4592
3-1/4"	4581	4582



Round Saddle Bracket with One Mounting Hole

A	B	C	TYPE 304 SATIN STAINLESS	SATIN BRONZE
1-1/2"	2-15/16"	2-1/2"	1815	1813
1-1/2"	2-15/16"	3-1/4"	1816	1814



Wall Mount Handrail Bracket

Rotates to any angle. Single tapped 3/8"-16 hole.

A	SATIN BRASS	
2-3/8"	MB4251W*	
2-7/8"	MB4301W*	

*custom made

Formed Steel Brackets



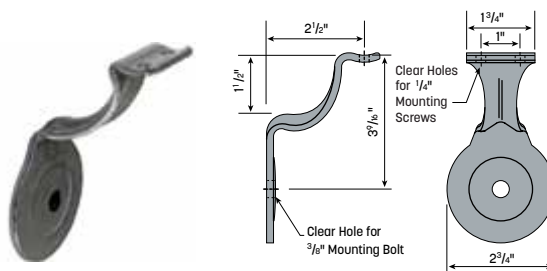
3/16" Formed Brackets
Universal saddle for use with round or flat handrail sections.

3418

Backplate: 2-3/4" dia.
Clearance from wall: 2-1/2"

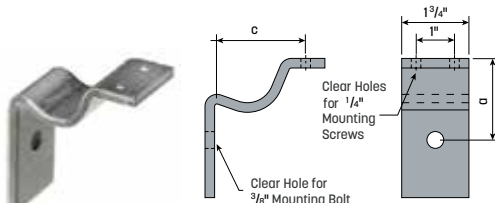
3426

Backplate: 2-3/4" dia.
Clearance from wall: 3"



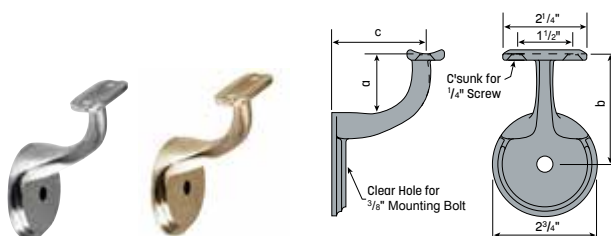
Redesigned Style B Bracket with One Hole

C	STEEL	SATIN STAINLESS
2-1/2"	3419	3420



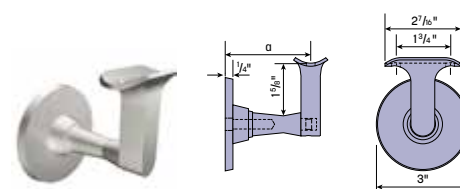
Formed Extruded Style Bracket Flat Saddle

A	C	1/4" THICK STEEL
2-5/8"	3"	1978F



Flat Saddle Bracket with One Mounting Hole

A	B	C	TYPE 304 SATIN STAINLESS	SATIN BRONZE
1-1/2"	2-15/16"	2-1/2"	1815F	1813F
1-1/2"	2-15/16"	3-1/4"	1816F	1814F



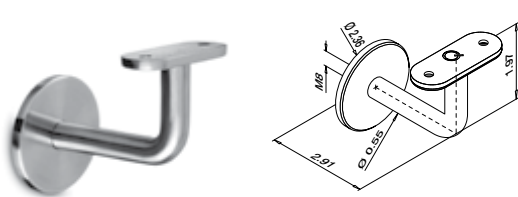
Wall Mount Handrail Bracket

Rotates to any angle. Single tapped 3/8"-16 hole.

A	TYPE 316 SATIN STAINLESS	
2-3/4"	MB3250W	
3-1/2"	MB3300W	

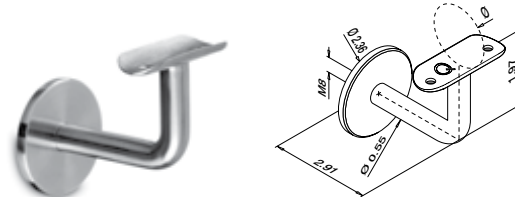
ALL DIMENSIONS ARE APPROXIMATE.

Q-railing HANDRAIL BRACKETS



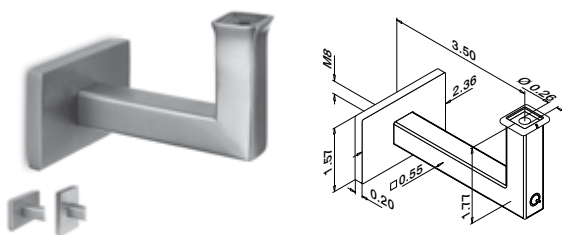
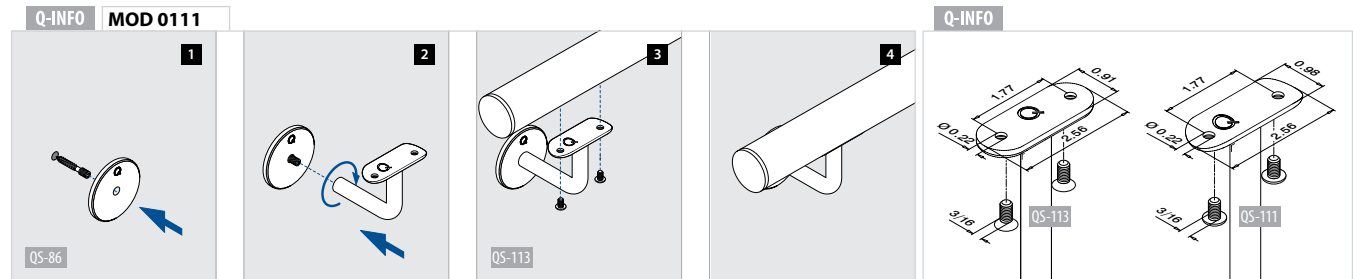
Wall Mount Handrail Bracket for Square Tube

ITEM	AISI
13.0111.000.12	304
14.0111.000.12	316



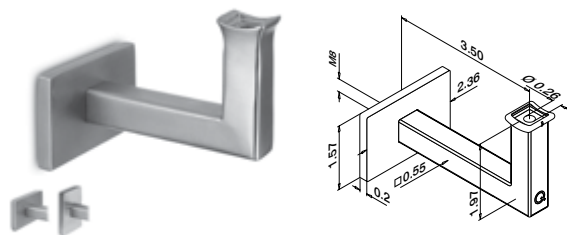
Wall Mount Handrail Bracket for Round Tube

ITEM	AISI	FITS
13.0111.038.12	304	1-1/2"
13.0111.048.12	304	1.9"
14.0111.038.12	316	1-1/2"
14.0111.048.12	316	1.9"



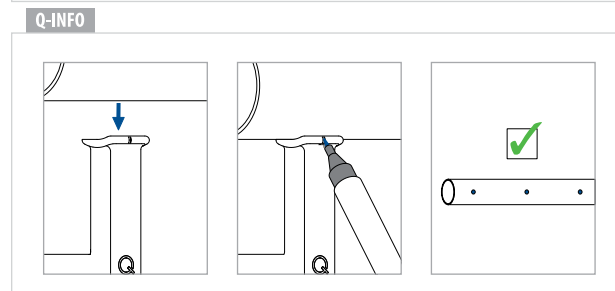
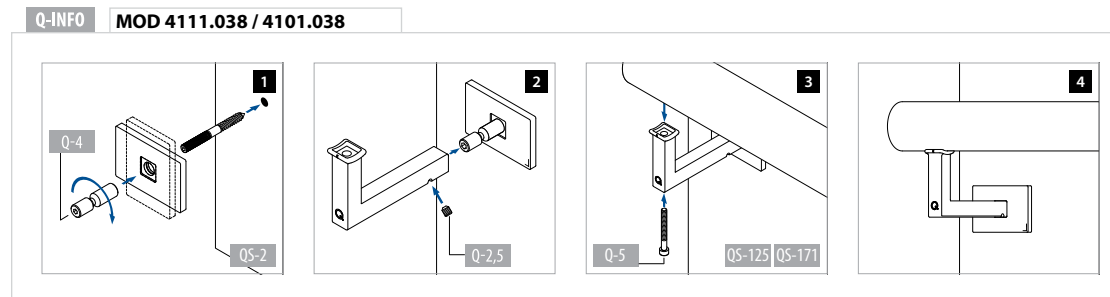
Square Line® Handrail Bracket for Square Tube

ITEM	AISI
13.4111.000.12	304
14.4101.000.12	316



Square Line® Handrail Bracket for Round Tube

ITEM	AISI	FITS
13.4111.038.12	304	1-1/2"
14.4101.038.12	316	1-1/2"



ALL DIMENSIONS ARE APPROXIMATE.

**IRON & STEEL
RAILINGS**

53

FORGED NEWEL POSTS BY GRANDE FORGE

Decorative and heavy newel posts for stairs, balconies, railings, etc.



FOP555	FOP333	FOP111	P700	P630	P202	PS122
1-3/8" Ø top 1-3/8" sq. base 49-5/8" H	1-3/16" sq. 49-5/8" H	1-3/8" Ø 49-5/8" H	1-3/8" Ø 49-1/2" H	1-3/16" Ø 47-1/4" H	1" sq. 47-1/4" H	1" sq. 47-1/4" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED NEWEL POSTS

Decorative and heavy newel posts for stairs, balconies, railings, etc.



64/F/1	64/I/1	9-234	QC-17/05	17/3	797/1	799/1	112/9-POST	113/2	113/4
1" sq. 47" H	1" sq. 47" H	1" sq. 51-3/16" H	1" dia. 47-1/4" H	1" sq. 47-1/4" H	1-3/16" dia. (not a smooth round) 47" H	1" sq. 43-5/16" H	1-3/16" sq. 47" H	1-3/16" sq. 43" H	1-3/16" sq. 43" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED STARTER NEWEL POSTS

Decorative and heavy starter posts for stairs, balconies, railings, etc.



Shown:
9-233



Shown:
20-33



9-233

1" sq.
44" H



20-33

11-13/16" W x 43-5/16" H
matl. size 1-3/16" x 1"



9-262

1-3/16" sq.
37-3/8" H



9-230

22-13/16" W x 42-1/8" H.
matl. size 1-3/8" Ø

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON POSTS

These ornamental cast iron posts come in sections as shown, you weld.

*NOTE: There is no standard way for attaching the posts to the ground.
Installation varies based on site conditions.*

9113-X and 9115-X also
available in aluminum

post and top not
sold separately



PINEAPPLE

9800

45" H x 6 1/2" W



VICTORIAN

9113-X

47" H x 4 1/2" W



RAPHAEL

9115-X

48" H x 5" W



Shown: 9113-X

Photo courtesy of
Mickey's Iron Works



Shown: 9115-X

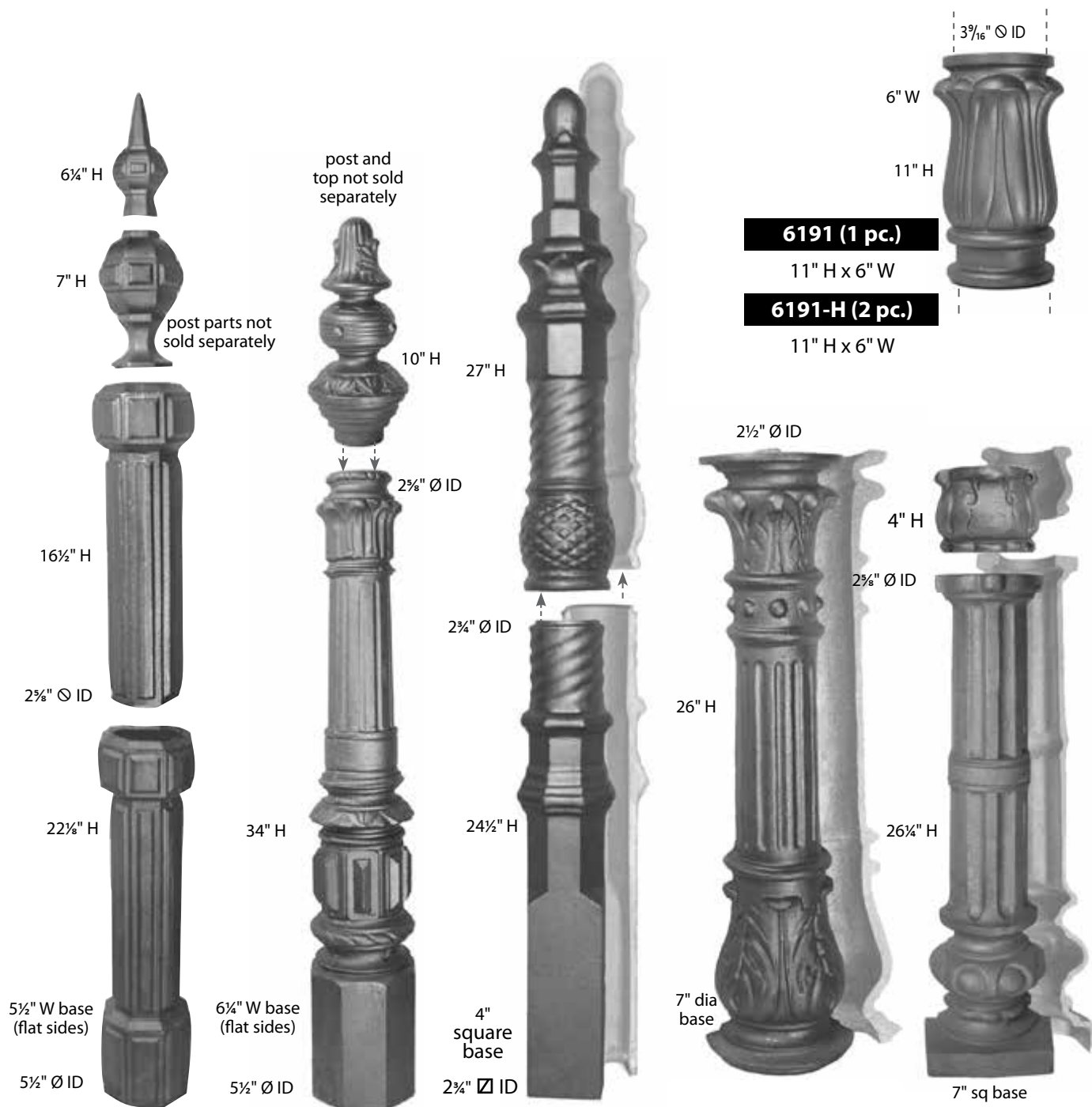
Photo courtesy of
Acero Ornamental

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON POSTS

These ornamental cast iron posts come in sections as shown, you weld.

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WESTMINSTER

9703

51 1/2" H x 5 1/2" W

BROWNSTONE

9701

44" H x 6 1/4" W

PHILADELPHIAN

9116

51 1/2" H x 4" W

6003

26" H x 7" W

6006 (collar)

4" H x 4 3/4" W

6005 (post)

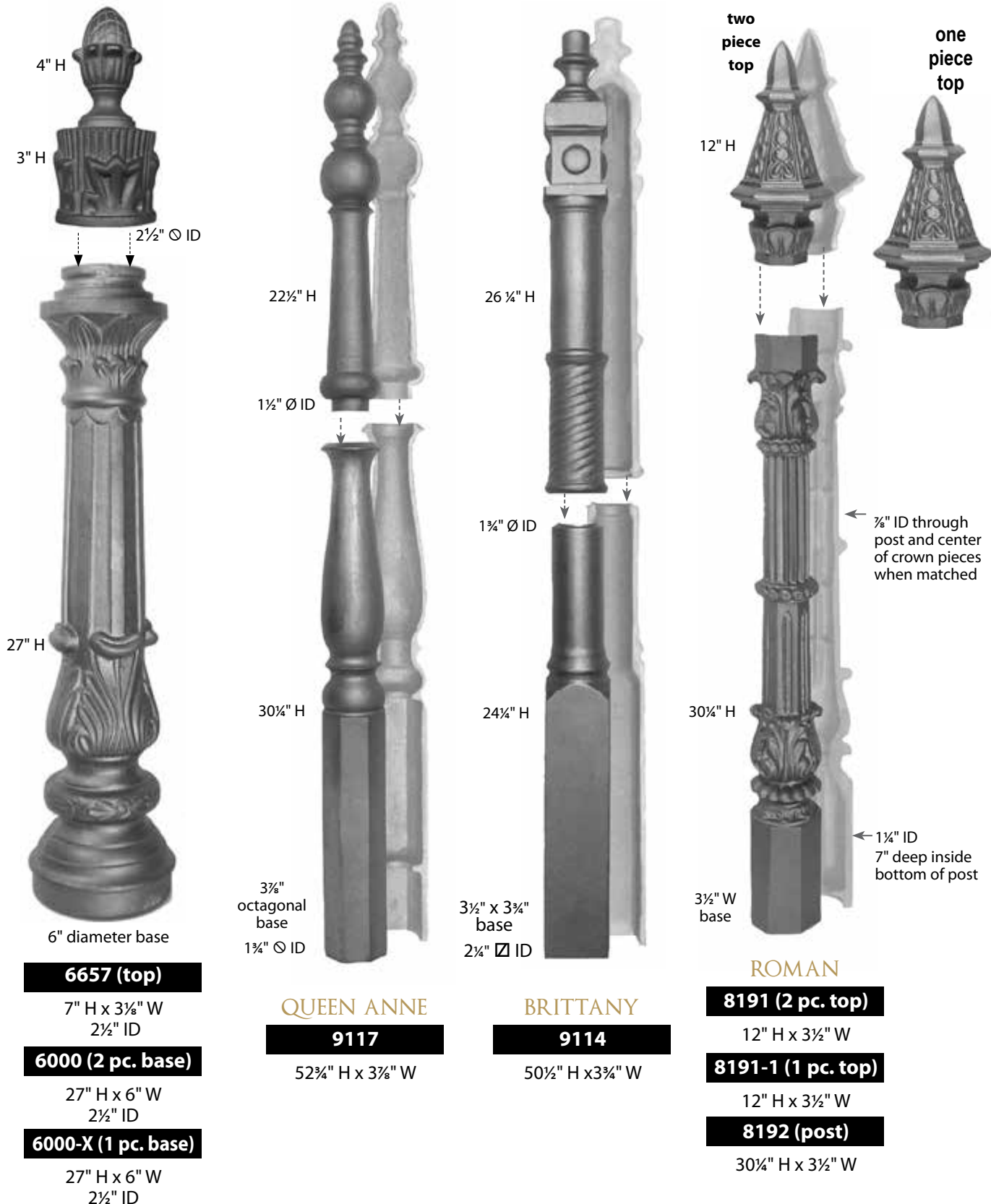
26 1/4" H x 7" W

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ORNAMENTAL IRON POSTS

These ornamental cast iron posts come in sections as shown, you weld.

*NOTE: There is no standard way for attaching the posts to the ground.
Installation varies based on site conditions.*



ORNAMENTAL IRON POSTS

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Installation varies based on site conditions.*

5½" OD dia (recessed circle)
2½" OD dia (center)



6192

6" H x 6" W

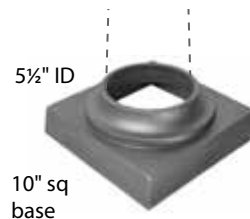


6190 (1 pc.)

7¼" H x 5" W

6190-H (2 pc.)

7¼" H x 5" W



6002

3¾" H x 10" W

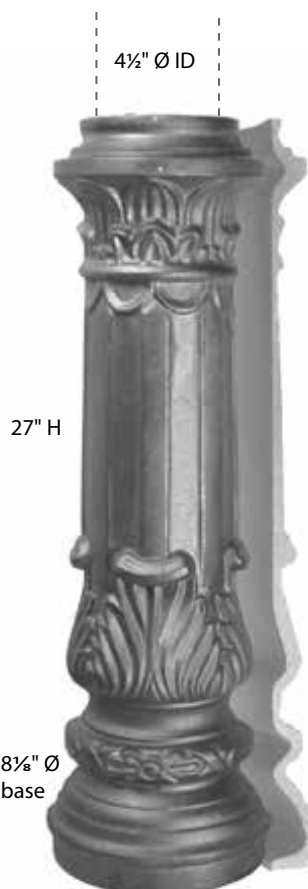


6009 (collar)

6½" H x 9" W

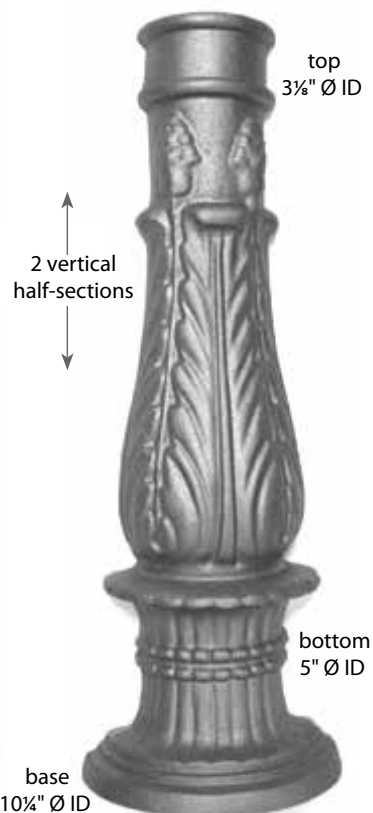
6008 (post)

26¾" H x 10½" W



6004

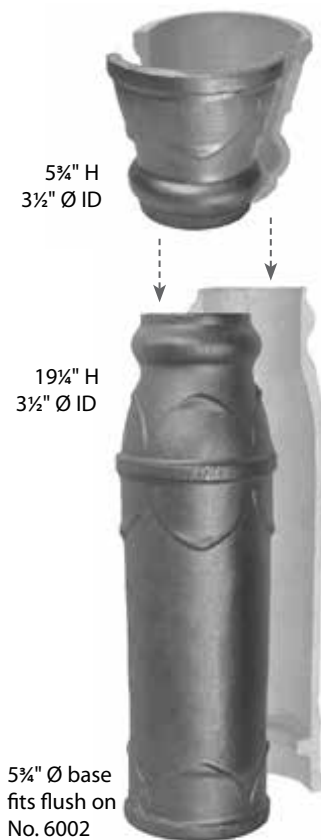
27" H x 8¼" W



ACANTHUS LEAF

6010 (2 pc.)

29" H



7191

5½" H x 6" W

7192

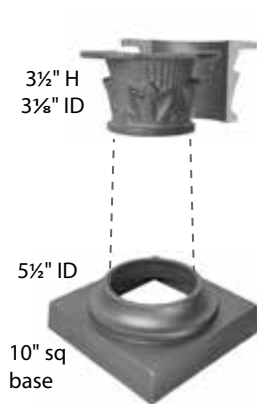
19¼" H x 5½" W

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON POSTS

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Installation varies based on site conditions.*

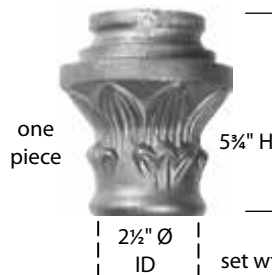


6002

3 3/4" H x 10" W

ECONO

Component Part Set



one
piece

set wt. 23 lbs.



same design
as
No. 6000-X
for Mail Box
Post, etc.

one
piece

6000-XBT (set)

top: 5 3/4" H
base: 12 1/4" H



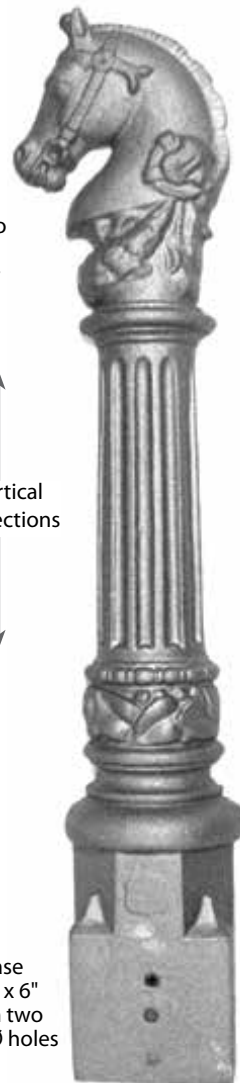
6001

3 3/8" H x 5 5/8" W



6001-XL

3 1/2" H x 5 3/4" W



nose to
mane
8 3/4" W

2 vertical
half-sections

base
6 1/2" x 6"
with two
1/2" Ø holes

SHOW HORSE

741 (2 pc.)

43 1/2" H



6657-XL

11 1/4" H x 4" W

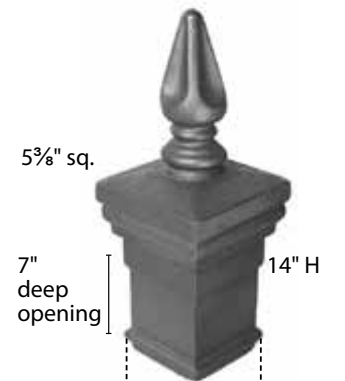


6000-XL (2 pc.)

27" H x 7 1/2" W
3" Ø ID

6000-XL-1 (1 pc.)

27" H x 7 1/4" W
3" Ø ID



3" □ ID



3 3/4" sq.

3" □ ID



4 1/4" sq.

3" □ ID

9301-top

14" H x 5 3/8" W

9302-spacer

6" H x 3 3/4" W

9303-base

8 3/4" H x 4 1/4" W

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ORNAMENTAL IRON POSTS

These ornamental cast iron posts come in sections as shown, you weld.

*NOTE: There is no standard way for attaching the posts to the ground.
Installation varies based on site conditions.*



base
1 1/4" Ø ID

742

10" H x 7" W



base
4" Ø ID

740

12" H x 8 1/2" W

2 3/8" Ø ID

One
piece

29 3/4" H

5 3/8" Ø
base

7000-X

29 3/4" H x 5 1/2" W

4" OD
3 1/8" Ø ID

29 1/2" H

6 1/2" sq
base

700

29 1/2" H x 6 1/2" W



2 3/4" Ø

one
piece

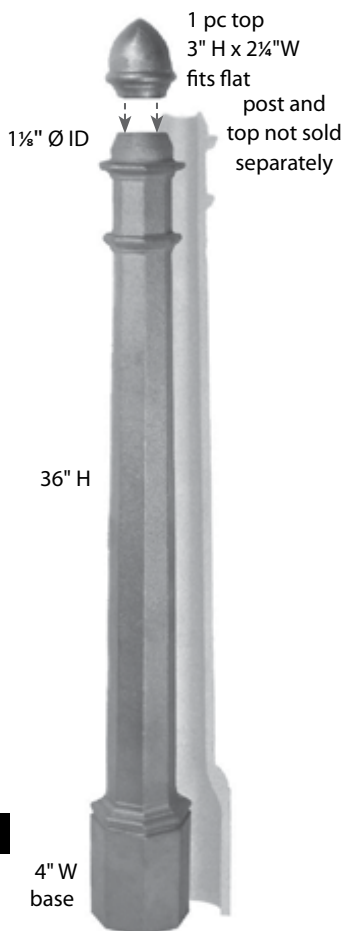
SOLID

29 3/4" H

base
4" Ø

8513

29 3/4" H x 4" W



1 1/8" Ø ID

1 pc top
3" H x 2 1/4" W
fits flat

post and
top not sold
separately

36" H

4" W
base

8194

39" H x 4" W



OK-9111

54" H x 4 1/4" W

Post top sold
separately



OK-9109

4" H x 6 1/4" W
Fits over 4" sq.

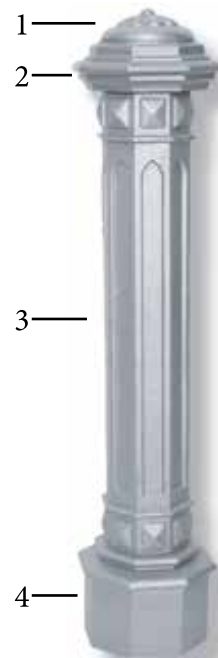
*Post cap
is only
sold when
purchasing
OK-9111 and
OK-9110*

Length is easily
adjustable.
Accommodates
any stair
configuration.



OK-9110

43 1/2" H x 4 1/4" W



1

2

3

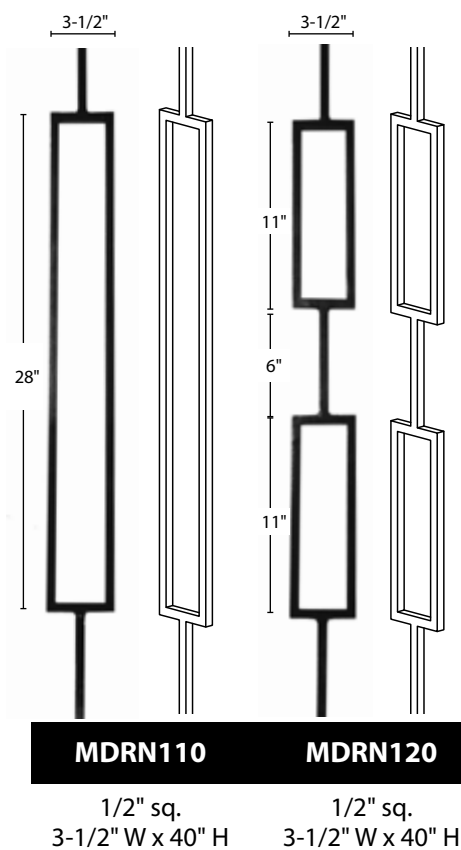
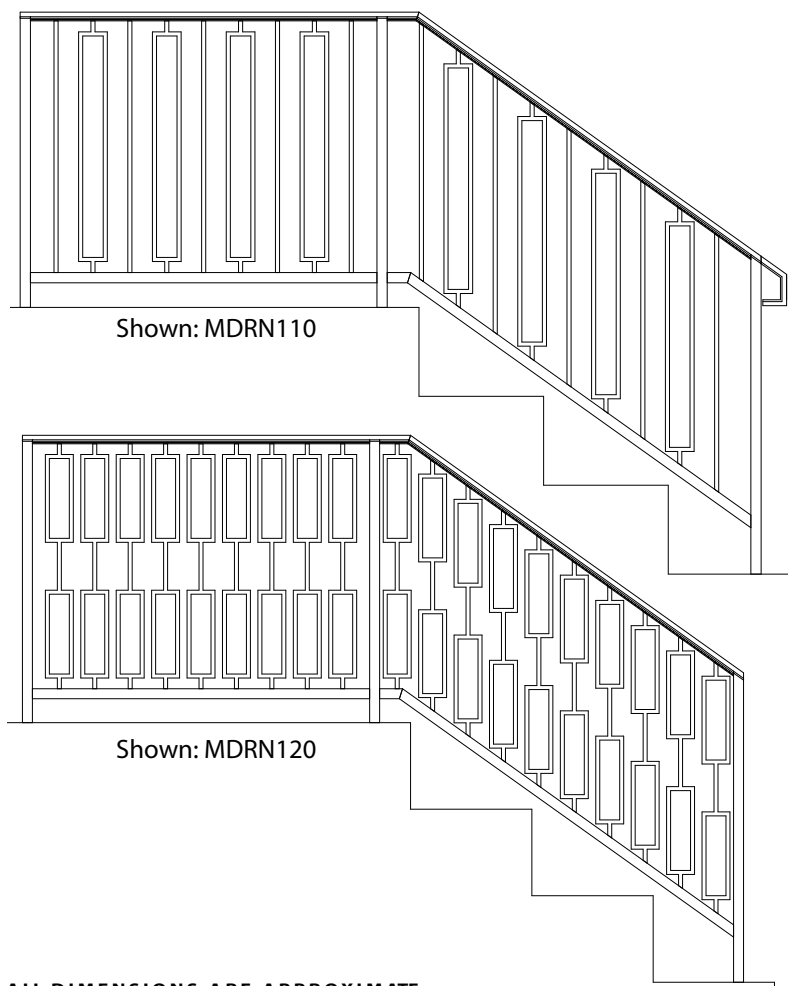
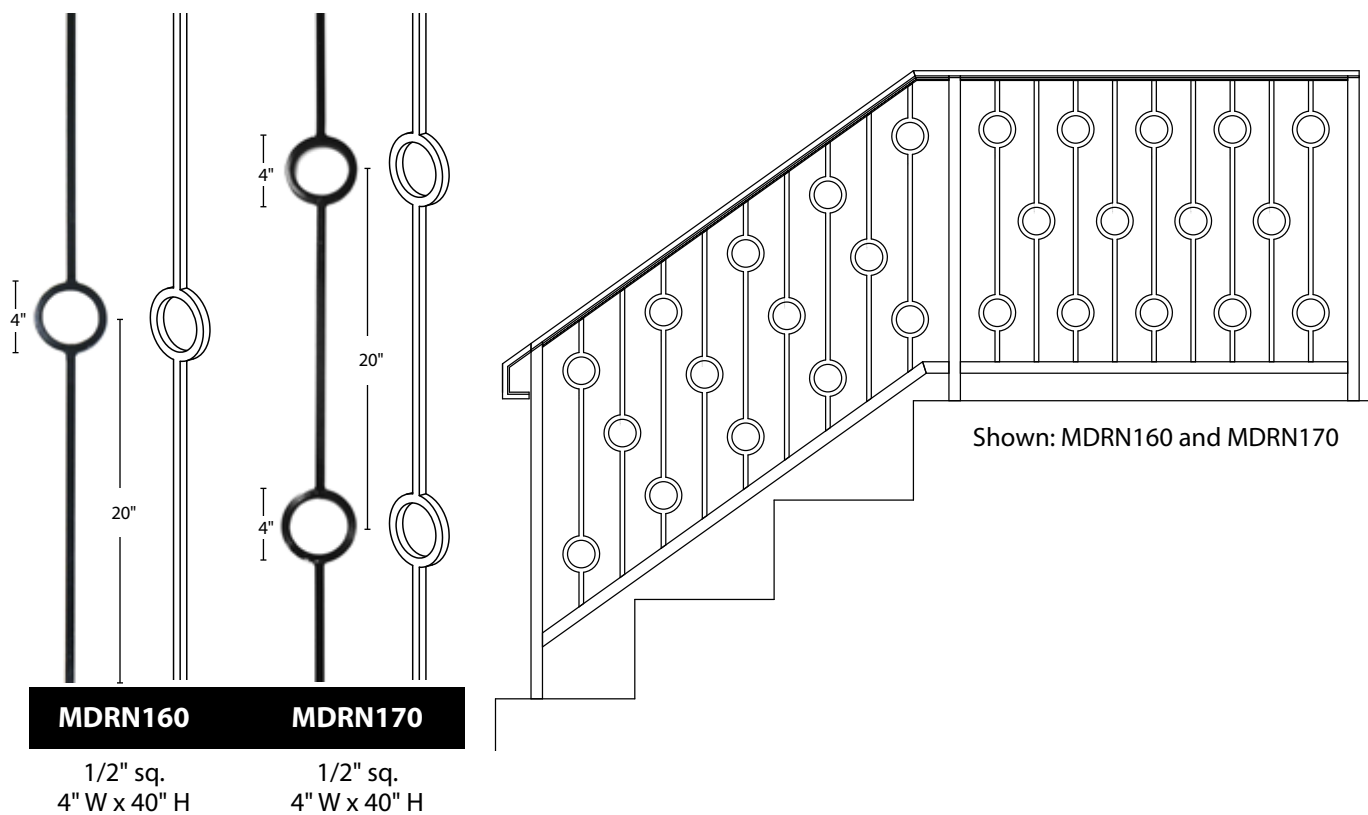
4

OK-9112

32" H x 7" W
comes in 4 pieces

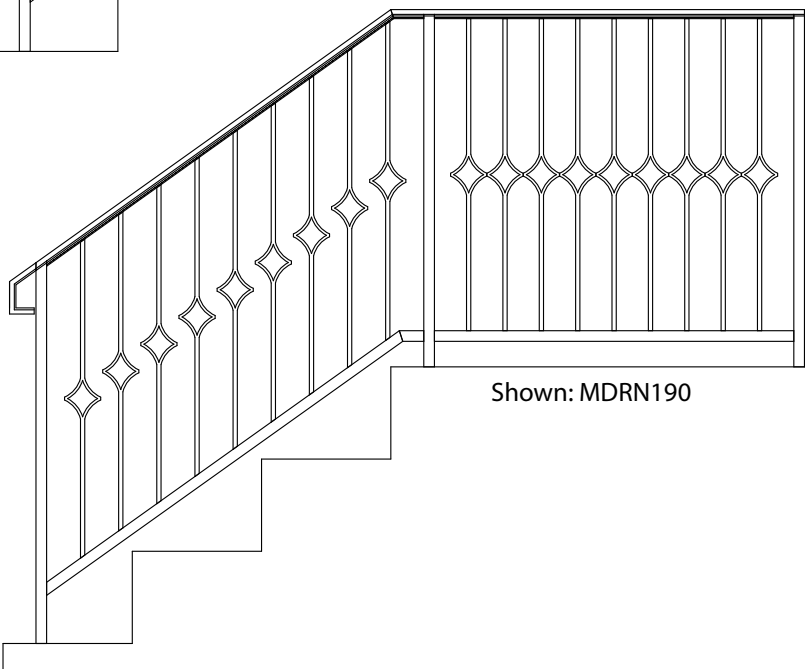
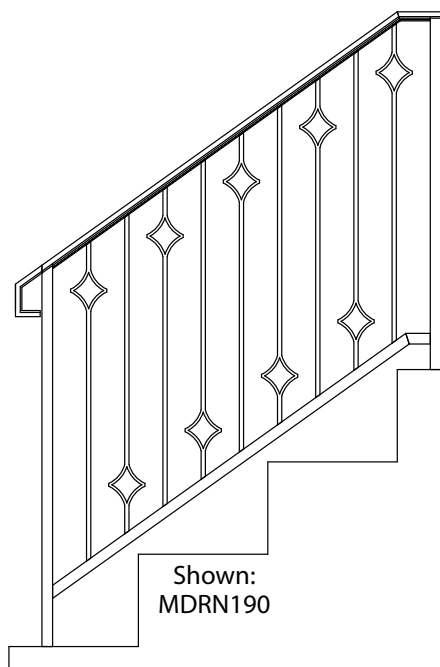
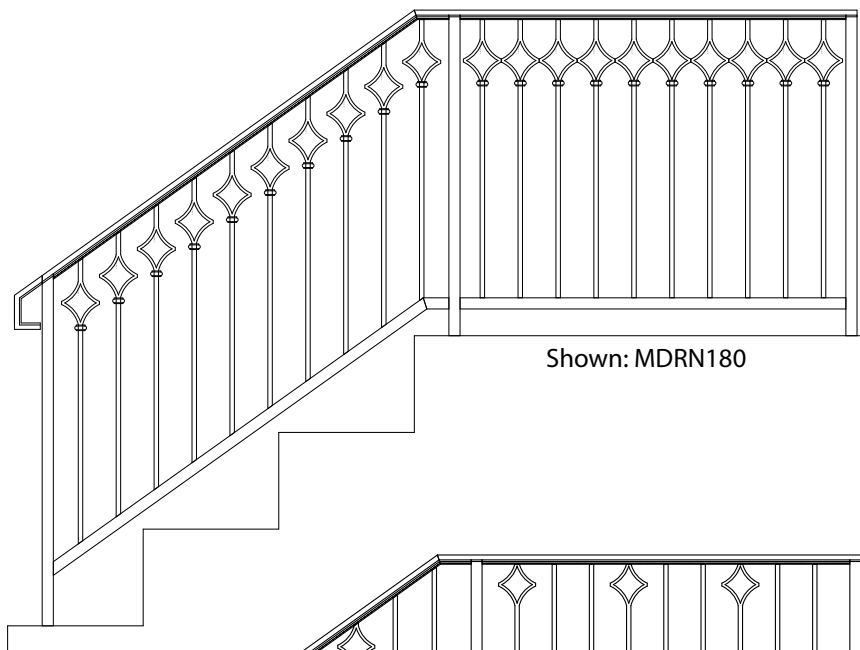
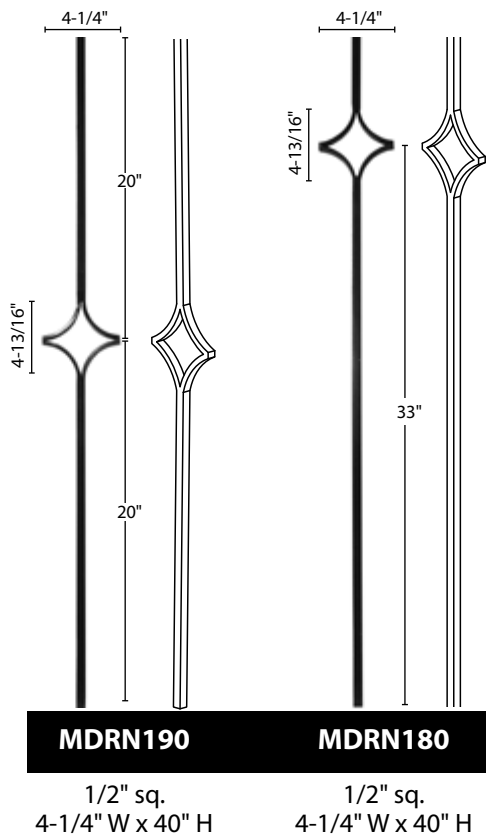
ALL DIMENSIONS ARE APPROXIMATE.

MODERN BALUSTERS AND PANELS



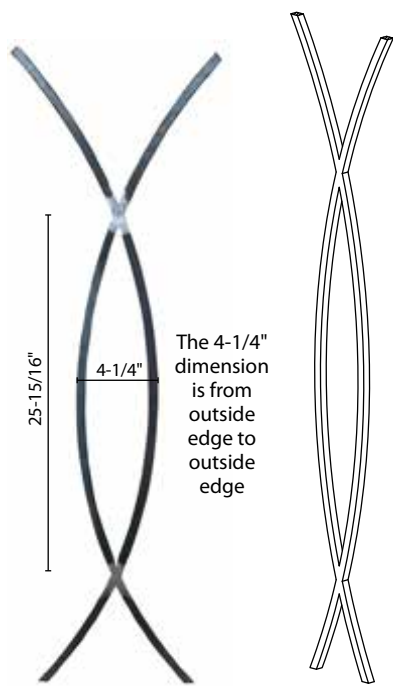
ALL DIMENSIONS ARE APPROXIMATE.

MODERN BALUSTERS AND PANELS



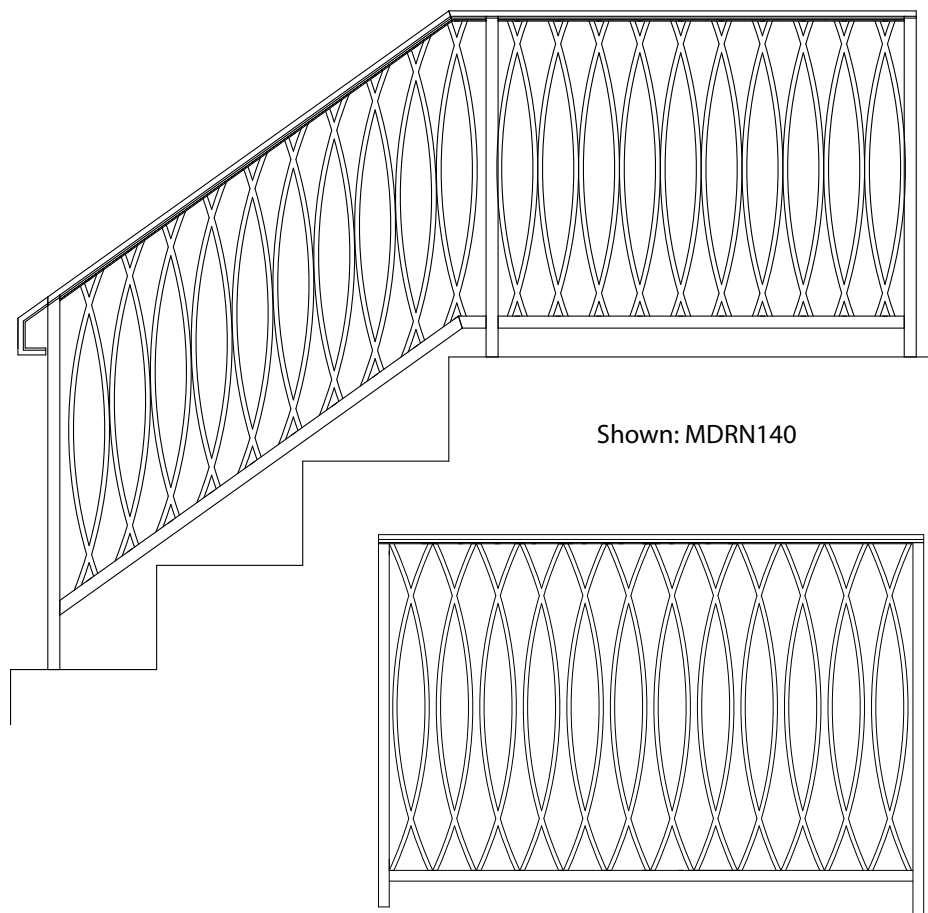
ALL DIMENSIONS ARE APPROXIMATE.

MODERN BALUSTERS AND PANELS

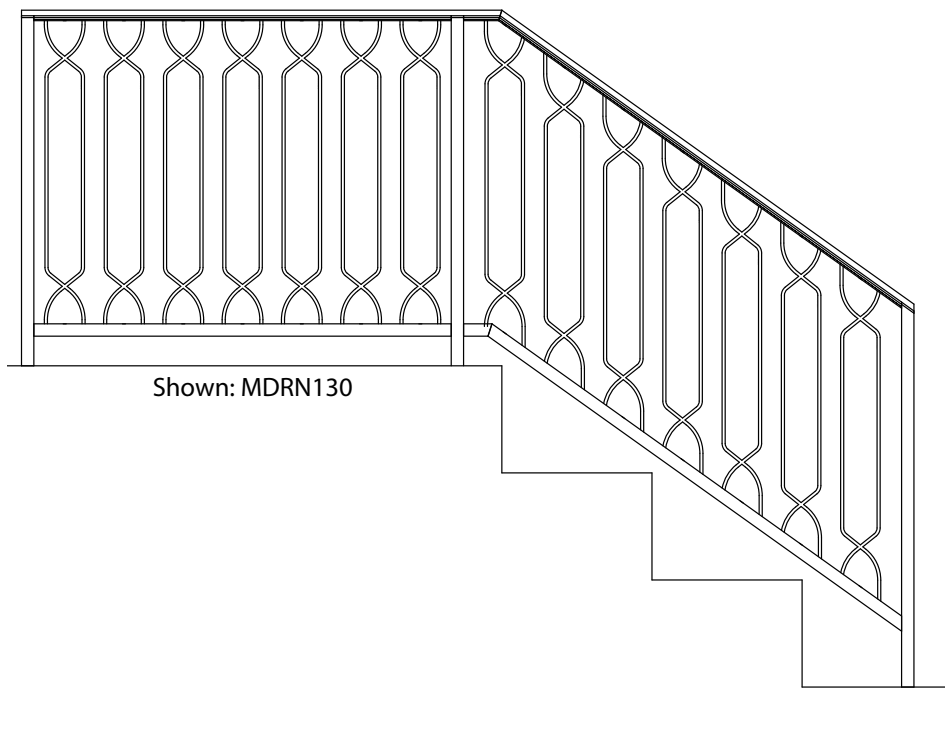


MDRN140

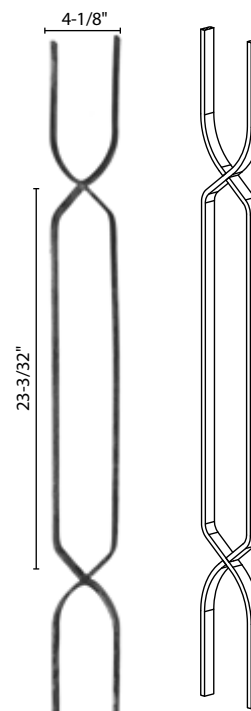
1/2" sq.
4-1/4" W x 41-1/4" H



Shown: MDRN140



Shown: MDRN130

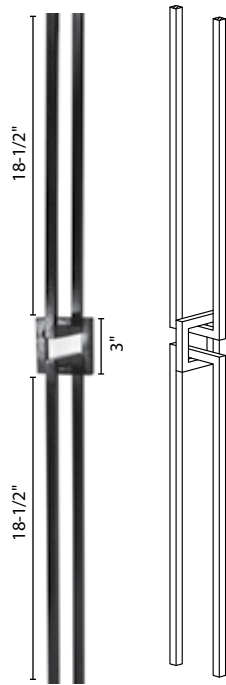


MDRN130

5/16" x 3/4"
4-1/8" W x 40" H

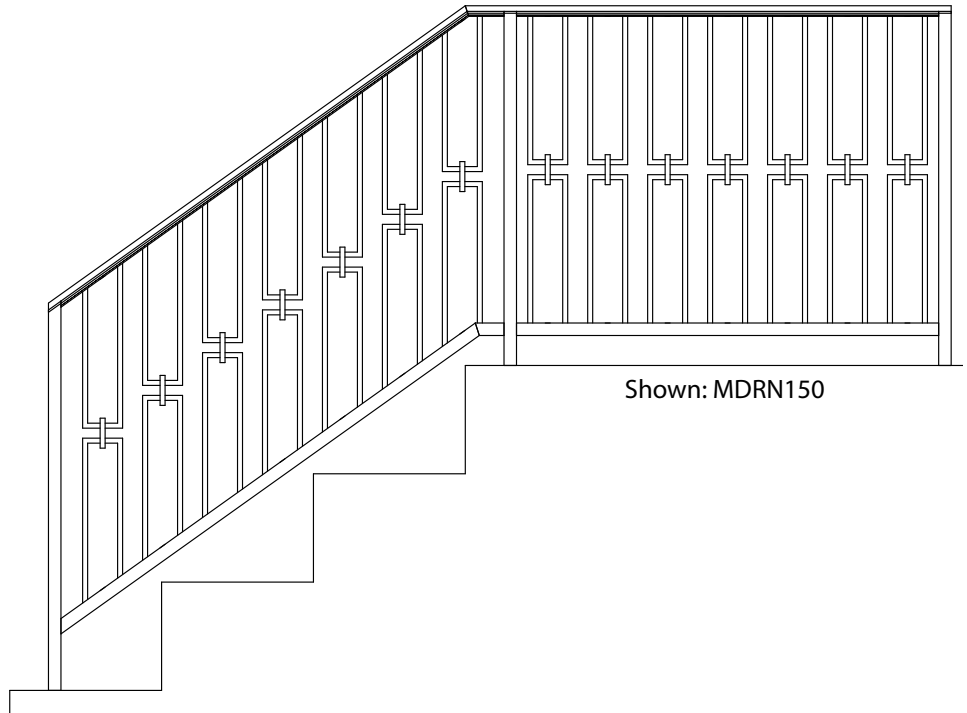
ALL DIMENSIONS ARE APPROXIMATE.

MODERN BALUSTERS AND PANELS

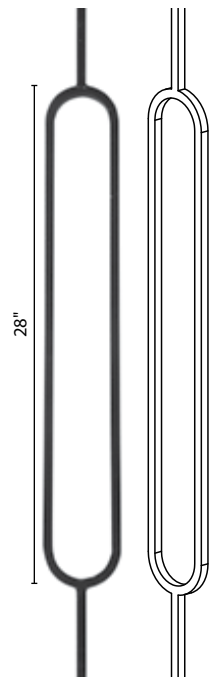


MDRN150

1/2" sq.
4" W x 40" H

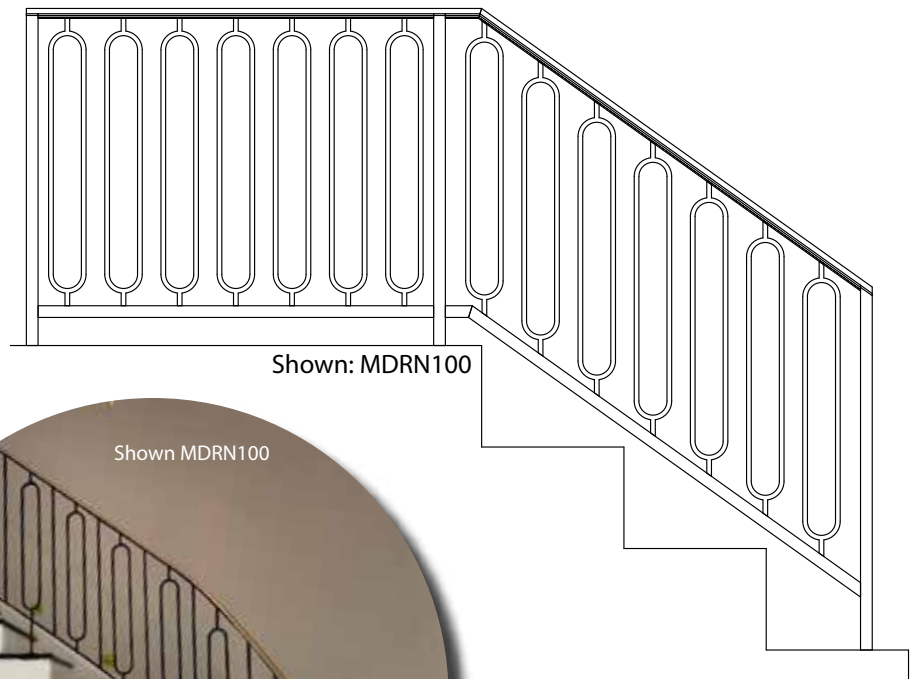


Shown: MDRN150



MDRN100

1/2" sq.
4" W x 40" H



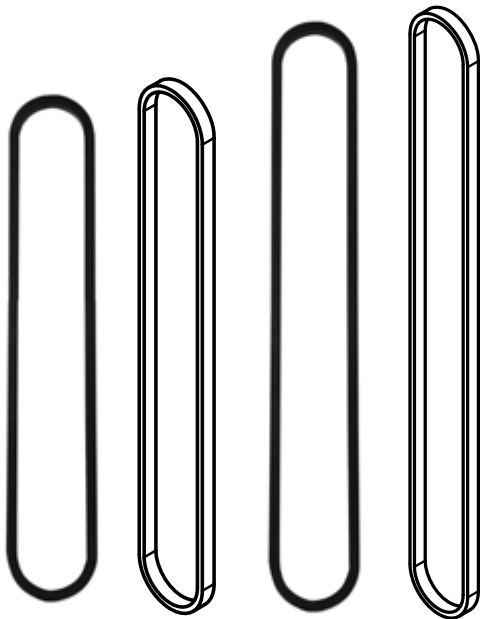
Shown: MDRN100



Photo courtesy of
C. Antunes Iron

ALL DIMENSIONS ARE APPROXIMATE.

MODERN BALUSTERS AND PANELS

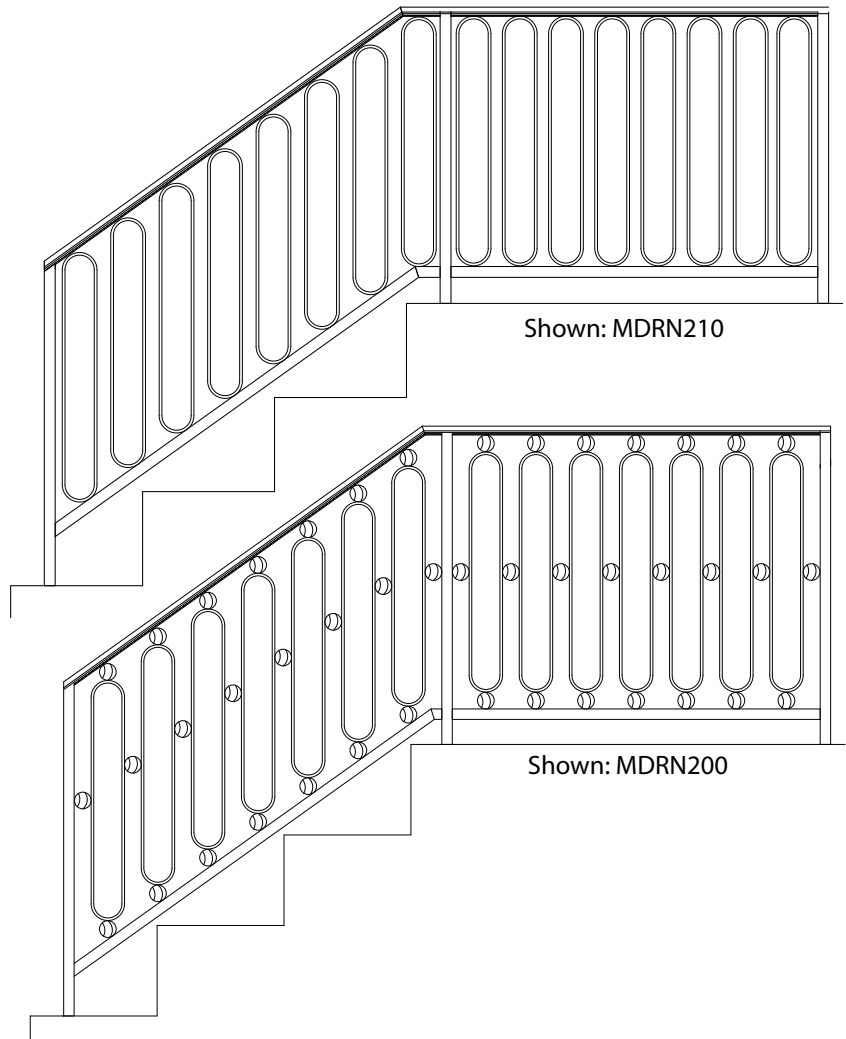


MDRN200

5/16" x 3/4"
4" W x 28-3/4" H

MDRN210

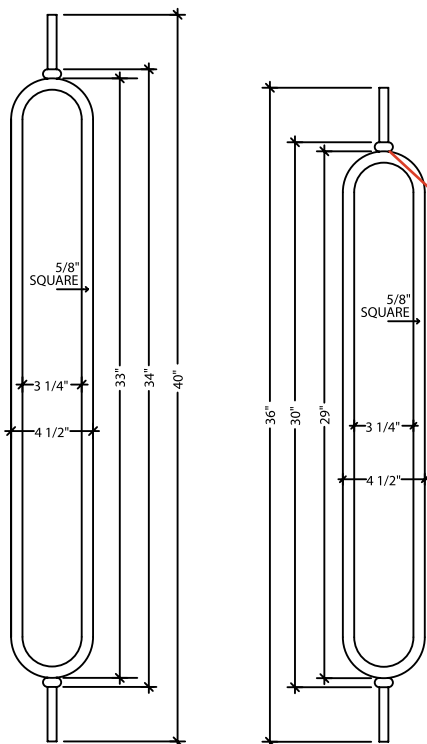
5/16" x 3/4"
4" W x 34-3/4" H



Shown: MDRN210

Shown: MDRN200

Regency Railings Hooped Balusters



WIN A1

WIN A1A

WIN B1

WIN B1A

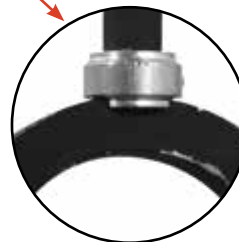
HOOP ONLY

Piece A in Steel

Piece A in Aluminum

Piece B in Steel

Piece B in Aluminum



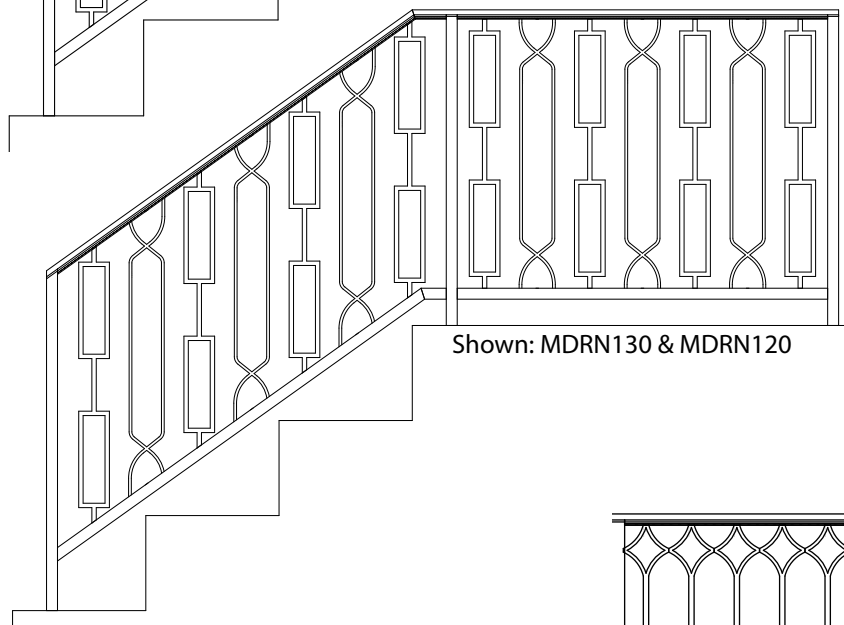
Close up of
aluminum
collar.

ALL DIMENSIONS ARE APPROXIMATE.

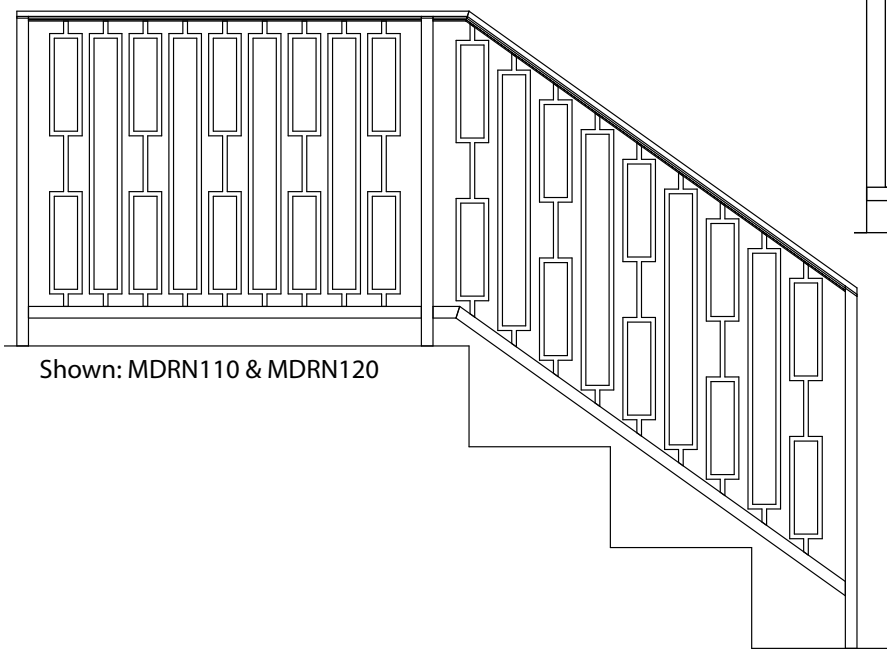
MODERN BALUSTERS AND PANELS



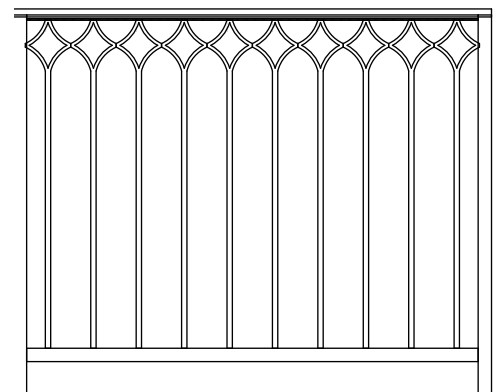
Shown: MDRN110



Shown: MDRN130 & MDRN120



Shown: MDRN110 & MDRN120



Shown: MDRN180

MODERN BALUSTERS AND PANELS



1090/3 1090/4

1/2" sq. 1/2" sq.
39-3/8" H 39-3/8" H



Shown: 1090/3

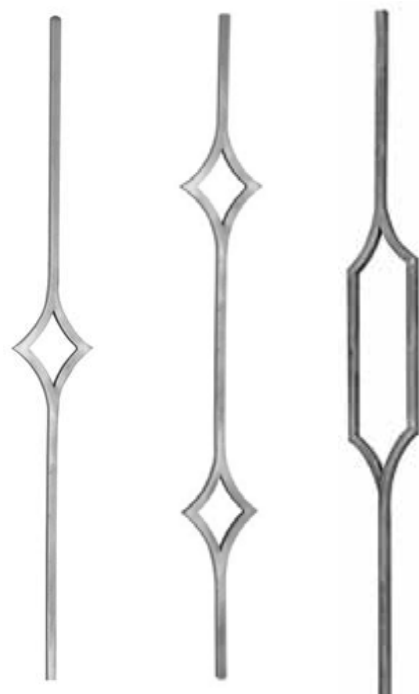


4-254

5-203

5/8" sq.
2-1/2" W
29-1/2" H

3-7/8" W x
39-3/8" H
matl. size
5/8" x 5/16"



GD23/1

GD25/1

GD243/2

9/16" sq.
4-23/32" W
39-3/8" H

9/16" sq.
4-23/32" W
39-3/8" H

1/2" sq.
4-5/16" W
39-3/8" H



Shown: GD23/1, GD25/1 & GD243/2

ALL DIMENSIONS ARE APPROXIMATE.

MODERN POSTS AND BALUSTERS

SOHO™ Balustrade Collection from House of Forgings.
Customize your style with a combination of brass, stainless steel
or satin black steel for a truly sophisticated look.

SLEEVES



Steel
Satin Black
(Powder Coated)

HFSTB16.4.1

Baluster Sleeve
20mm Ø
8" High

HFSTB16.4.3

Post Sleeve
35mm Ø
8" High



Brass
Satin Polish
(Passivated)

HF18.4.1

Baluster Sleeve
20mm Ø
8" High

HF18.4.3

Post Sleeve
35mm Ø
8" High



Stainless Steel
Satin Polish
(304 Grade)

HF17.4.1

Baluster Sleeve
20mm Ø
8" High

HF17.4.3

Post Sleeve
35mm Ø
8" High

FLANGE COVERS

Fits 1-3/16" (35mm) Newel Posts.
4.13" Ø, .7" High



HFSTB16.4.5



HF18.4.5



HF17.4.5

TUBULAR NEWEL POSTS AND BALUSTERS



Steel
Satin Black
(Powder Coated)

HFSTB16.8.1

5/8" Ø
44" High

HFSTB16.5.11-T

1-3/16" Ø
47" High



Brass
Satin Polish
(Passivated)

HF18.8.1

5/8" Ø
44" High

HF18.8.3

1-3/16" Ø
47" High



Stainless Steel
Satin Polish
(304 Grade)

HF17.8.1

5/8" Ø
44" High

HF17.1.2-T

1-3/16" Ø
47" High



Newel Post
Mounting Kit

HF16.2.9

Fits 1-3/16" Ø

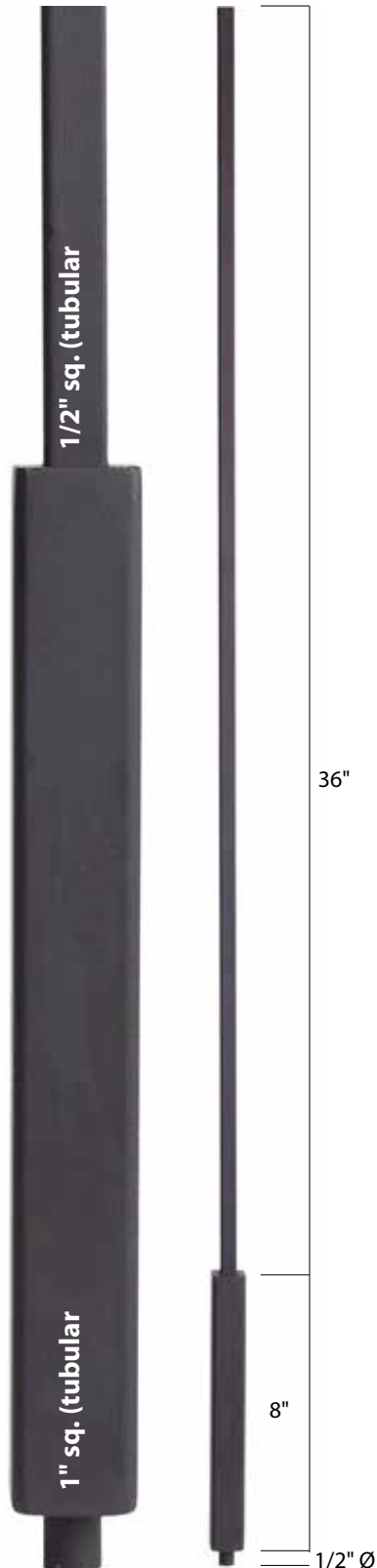


ALL DIMENSIONS ARE APPROXIMATE.

MODERN POSTS AND BALUSTERS

FOUNDATION™ Balusters from House of Forgings.
Affordable style and ease of installation. No base shoes required for installation.

Three colors choices available: Satin Black, Ash Grey and Oil Rubbed Bronze



Bottom pin for quick installation.



HFSTB16.7.5

Satin Black

HFAG16.7.5

Ash Grey

HFORB16.7.5

Oil Rubbed
Bronze

ALL DIMENSIONS ARE APPROXIMATE.

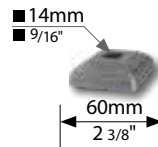
CITY SERIES FROM GRANDE FORGE



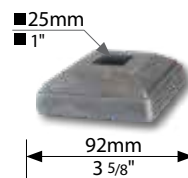
The City Series combines modern lines with authentic wrought iron work.



Create your own baluster or post by using the decorative collars below.



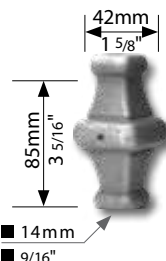
CS50



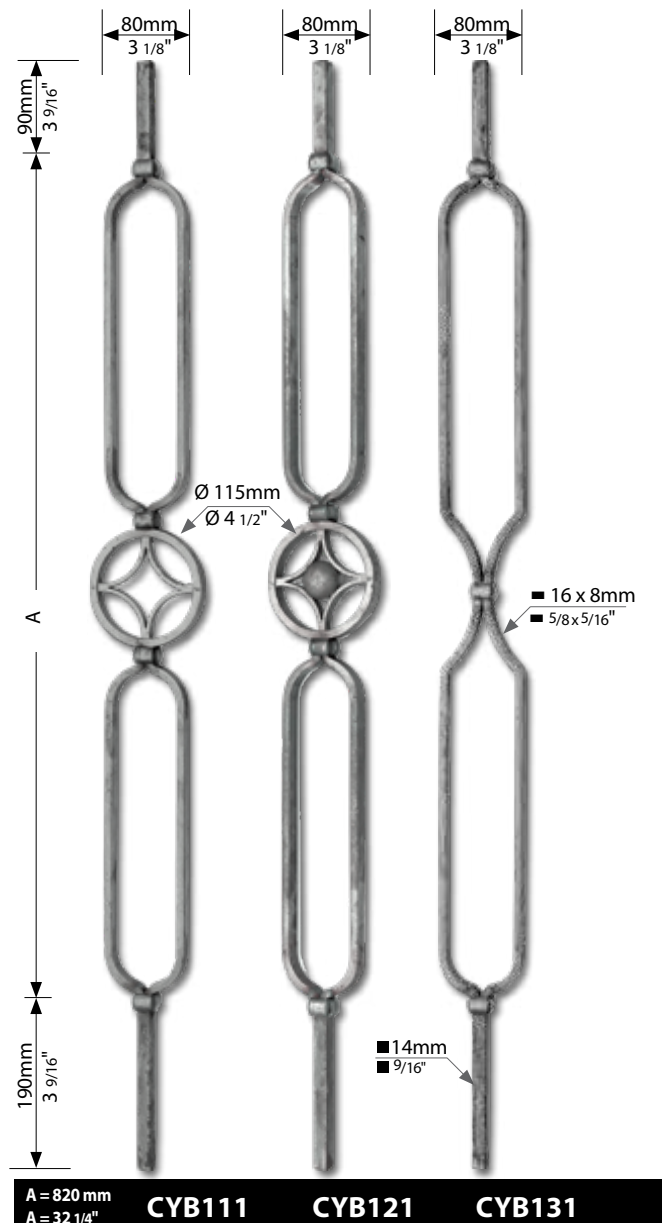
CS80



EGK125



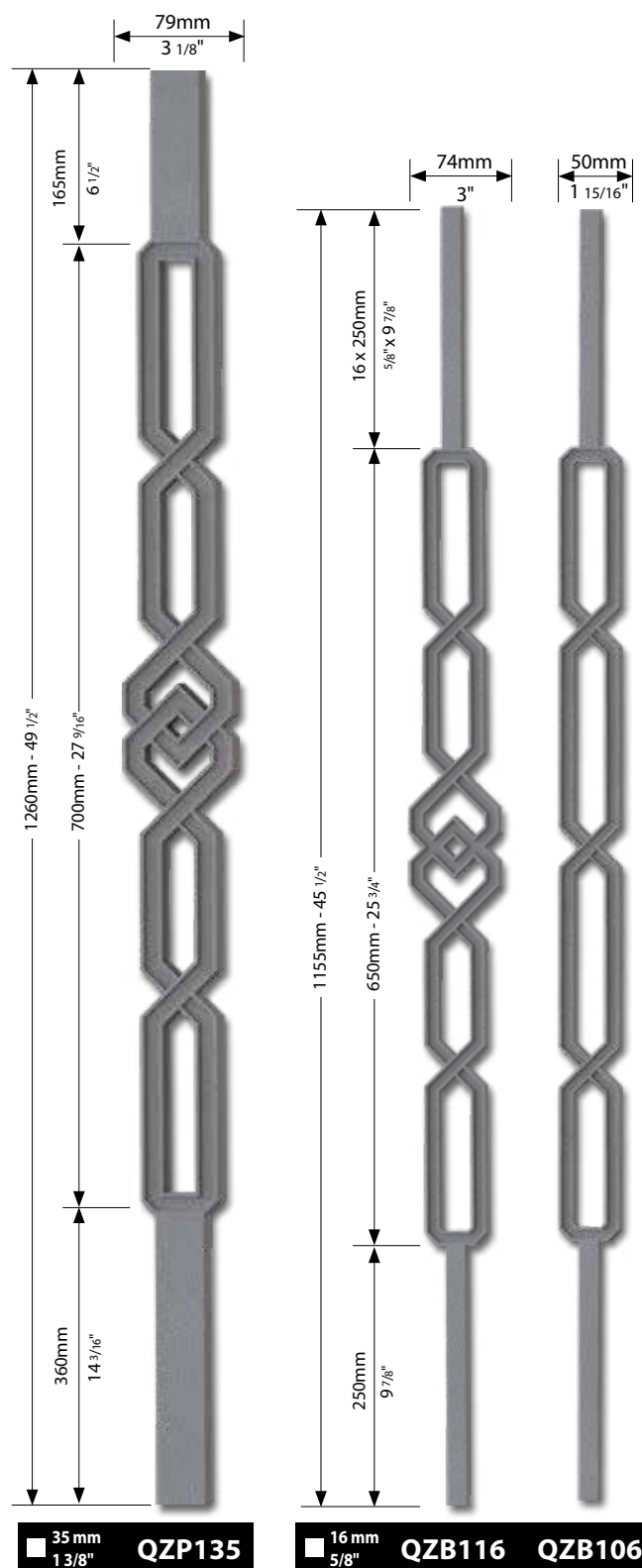
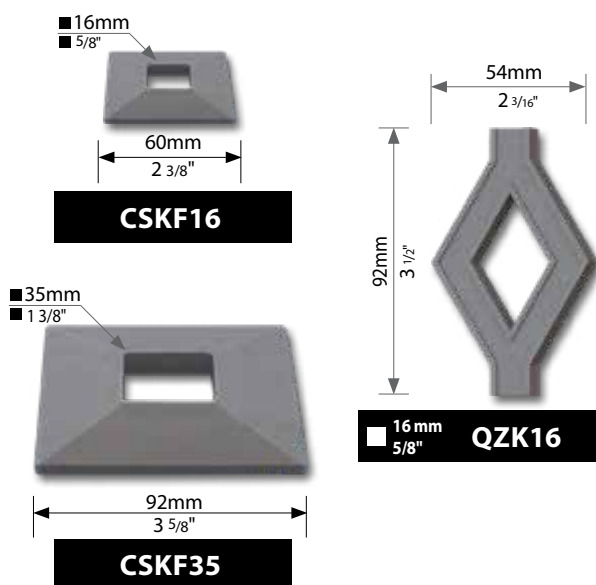
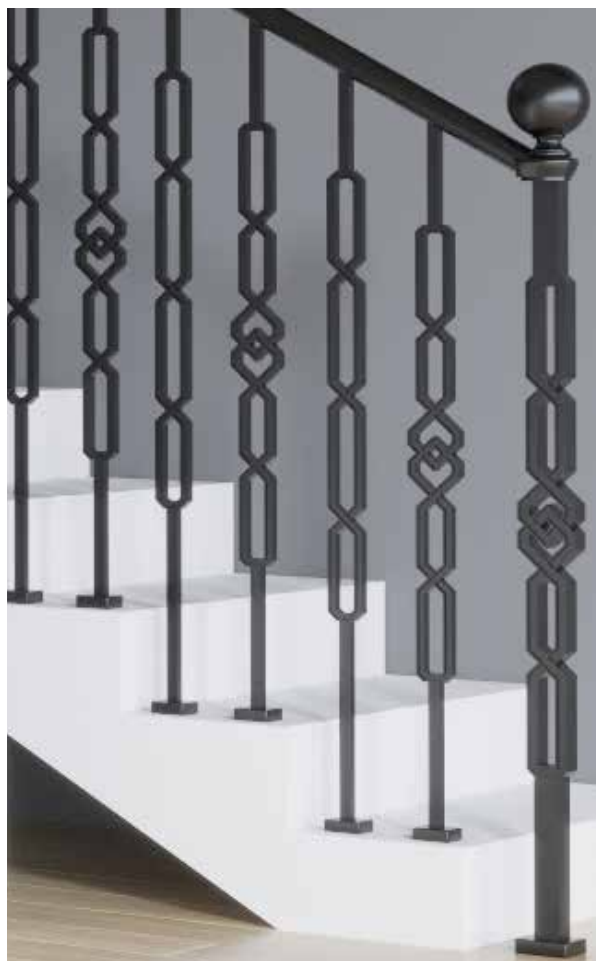
EGK82



ALL DIMENSIONS ARE APPROXIMATE.

QUARTZ SERIES FROM GRANDE FORGE

The QUARTZ collection stands out from reality to offer another form of expression beyond appearances. It focuses on vibrations, sensations, emotions. As the squares, rhombuses, triangles and rectangles settle on the walls, the ground and textiles, the banister becomes a bold and original piece within the home.

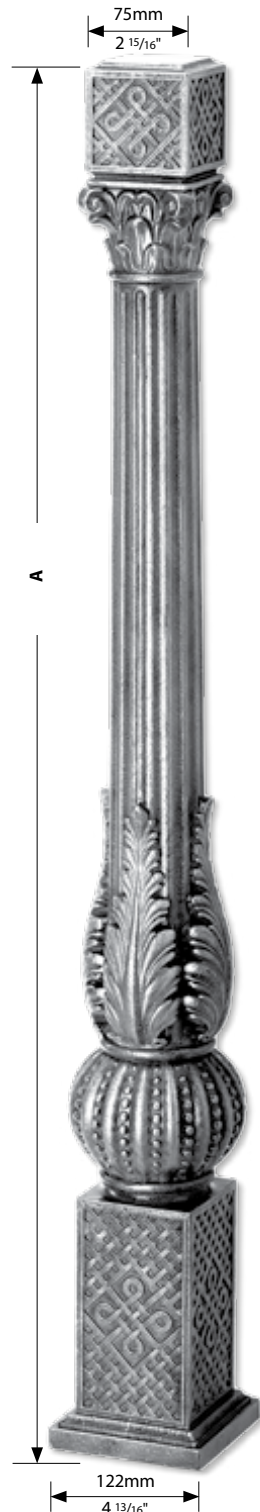


ALL DIMENSIONS ARE APPROXIMATE.

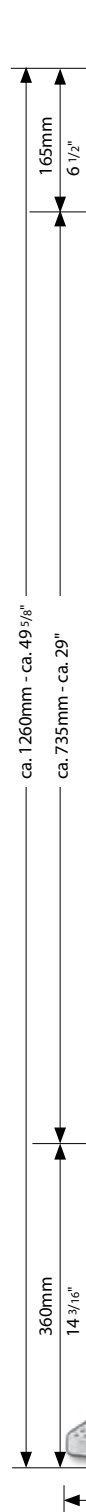
CAST IRON SERIES FROM GRANDE FORGE



Genuine work of art. The original models have been carved by Mr. René DEIBER named "best worker of France". Starting posts and balusters, body in cast iron and the ends in mild steel. This allows for an assembly of the railing by welding. **NOT SUITABLE FOR HOT DIP GALVANIZING.**



A=1010 mm
A=39 3/4" **FOP600**
A=1110 mm
A=43 11/16" **FOP660**



FOP555



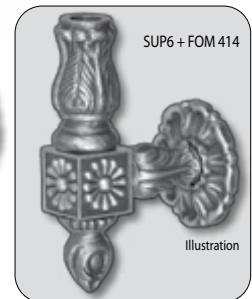
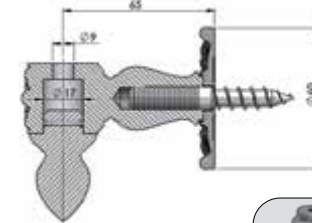
FOP333



FOP111

Post supplied with base shoe.

Steel angle bracket. Fix the baluster in place by means of welding or screwing. Supplied with a 10 mm double thread screw.



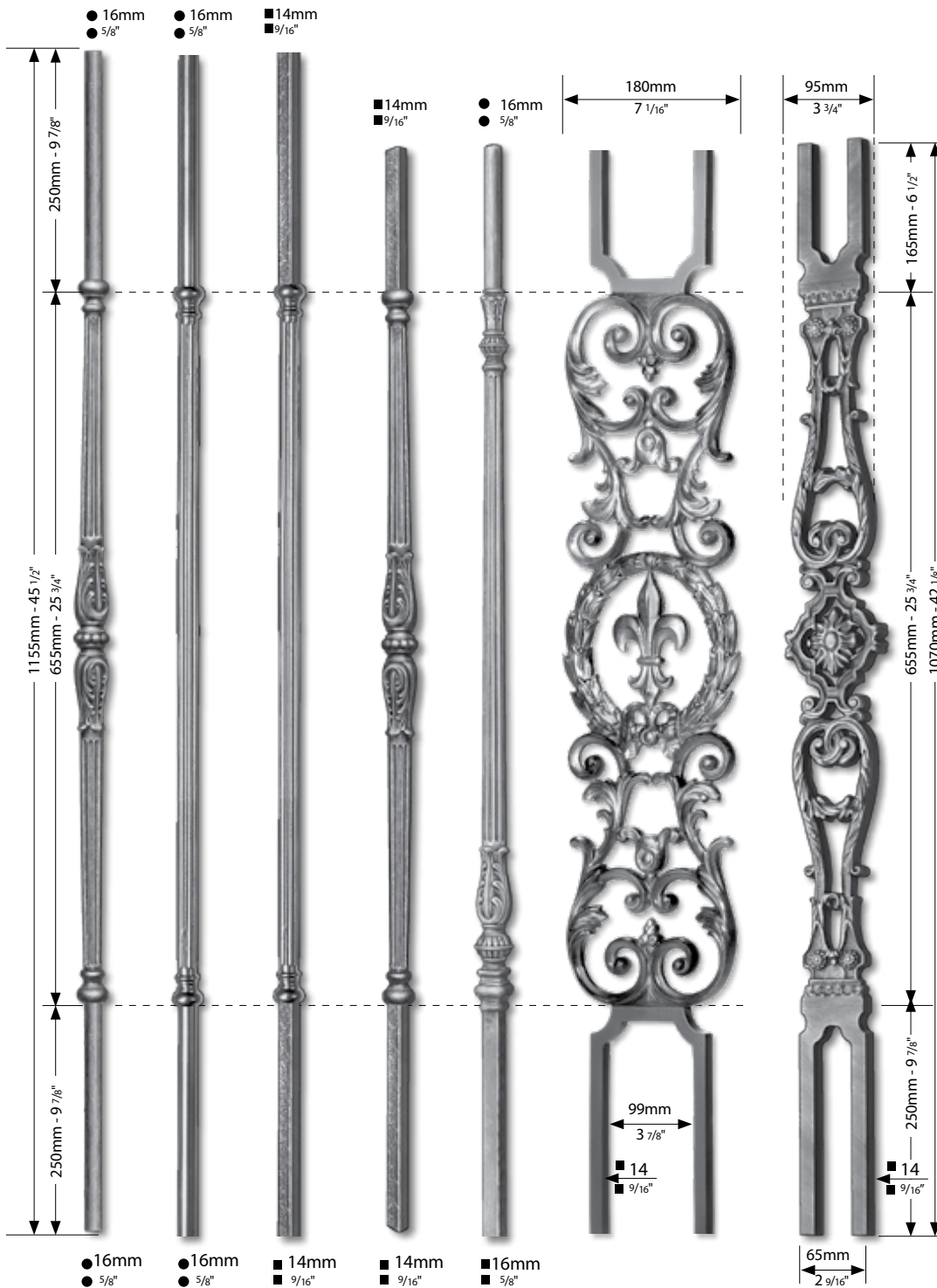
SUP6

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON SERIES FROM GRANDE FORGE



IRON & STEEL
RAILINGS



FOT13

2 3/4" W x 5 3/8" H
1 13/16" base,
with M10
threaded hole



TB200

3 1/8" W x 4 3/4" H
with M10
threaded hole



TB300

4 5/16" W x 6 1/16" H
2 1/8" base,
Use with Posts
FOP600/660

FOB115 FOB915 FOB933 FOB133 FOB515 FOB603 FOB403

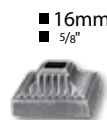
All base shoes
supplied zinc plated.



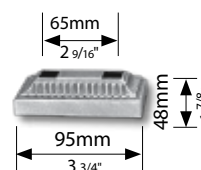
FOC16Z



FOC52Z



FOC62Z



FOC403Z

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON SERIES FROM GRANDE FORGE



MOZART SERIES FROM GRANDE FORGE



DESIGN:
GF-MZ001

COMPONENTS:

Post: FOP555
Infill
Panels: MOG55
MOB45
MOB41

Baluster: FOB515
Finial: TB200
Base Shoe: FOC62Z



DESIGN:
GF-MZ002

COMPONENTS:

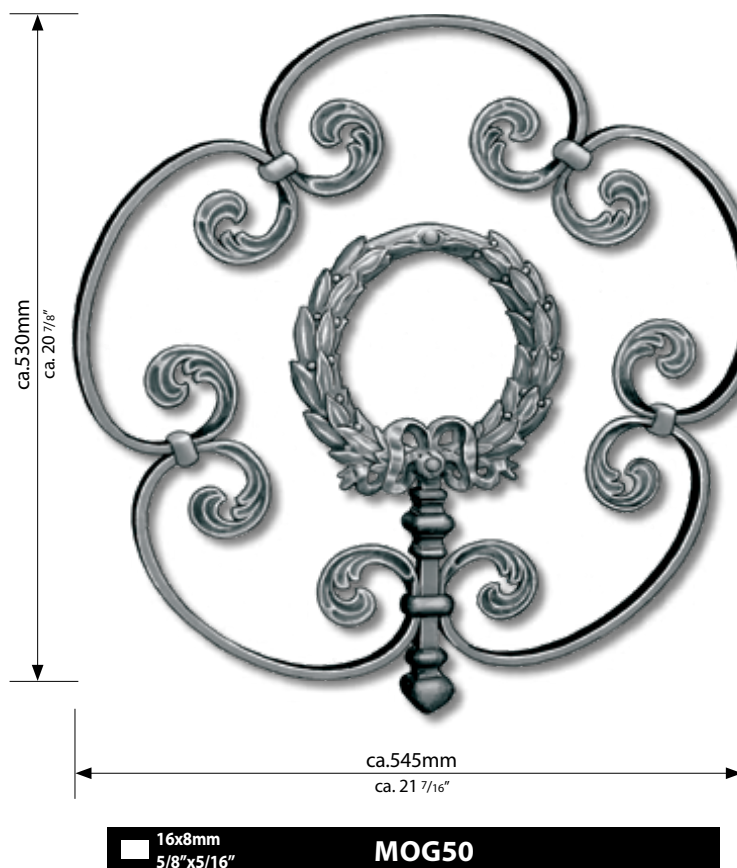
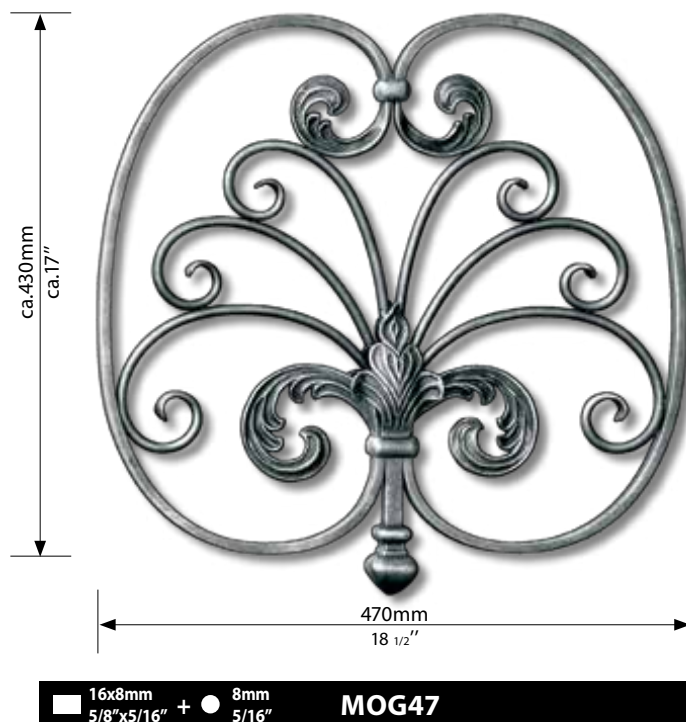
Post: FOP555
Infill
Panels: MOB45
MOB44
MOD52
Baluster: FOB515
Finial: TBL53
Decorative
Leaf: FR111

MOZART SERIES FROM GRANDE FORGE



Stylistic composition takes on its full meaning in the Mozart line, elegantly combining the exuberance of leaves and flowers or of a "stylized peacock." Mozart invites you to recreate the splendor of metalworks in ancient palaces. **AVAILABLE IN A PATINATED FINISH UPON REQUEST.**

IRON & STEEL
RAILINGS

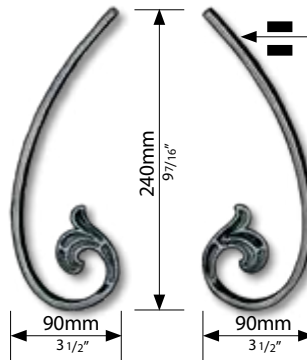


ALL DIMENSIONS ARE APPROXIMATE.

MOZART SERIES FROM GRANDE FORGE

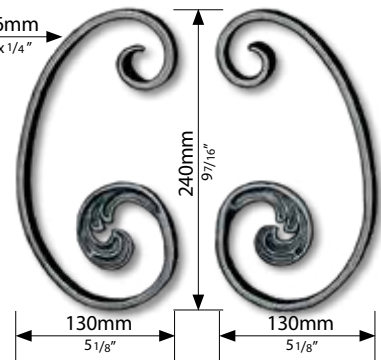


14x6mm
9/16"x1/4" **MOD52**



MOJ25L

MOJ25R



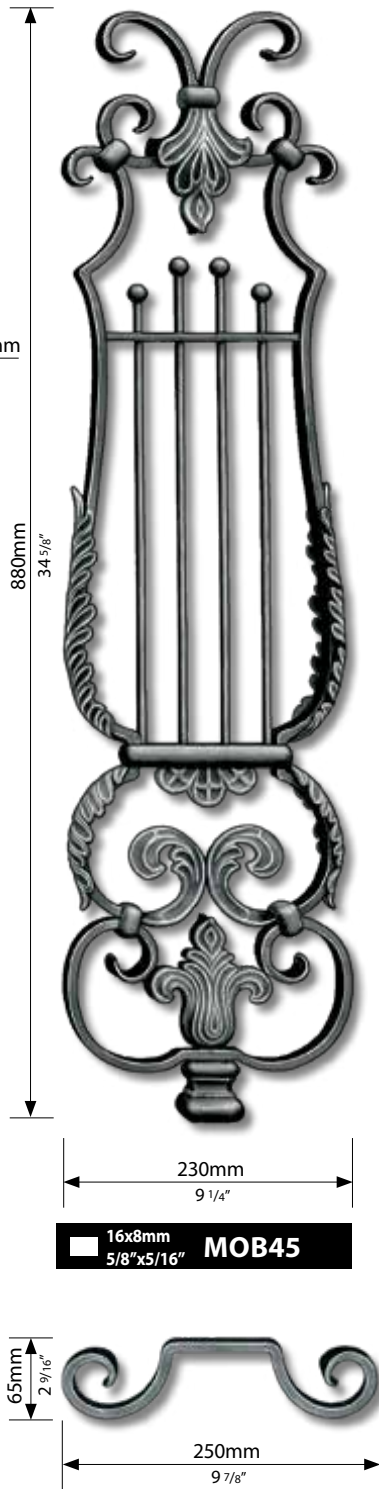
MOC24L

MOC24R

Height of MOB45 + MOL25 = Height of MOG55



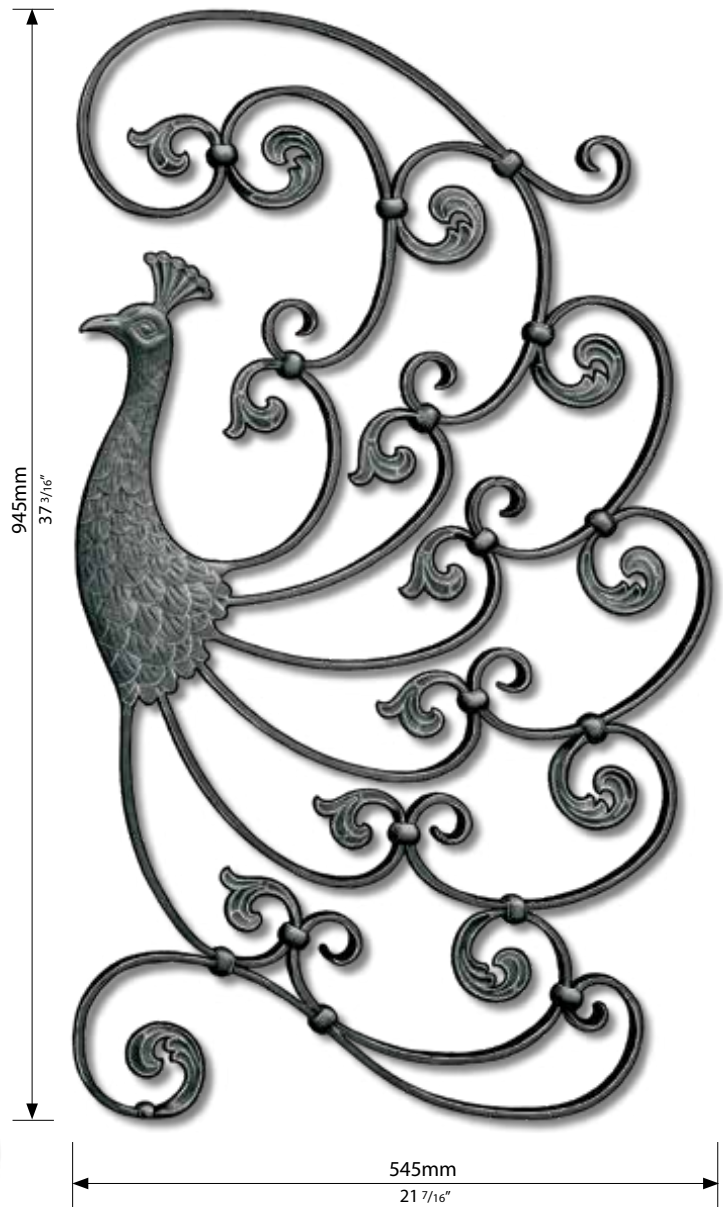
14mm
9/16" **MOB44**



16x8mm
5/8"x5/16" **MOB45**



16x8mm
5/8"x5/16" **MOL25**



14x6mm
9/16"x1/4" **MOG55**

ALL DIMENSIONS ARE APPROXIMATE.

MOZART SERIES FROM GRANDE FORGE

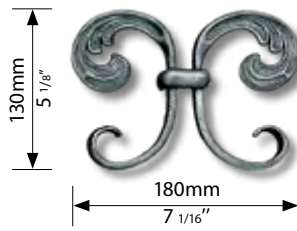


IRON & STEEL
RAILINGS



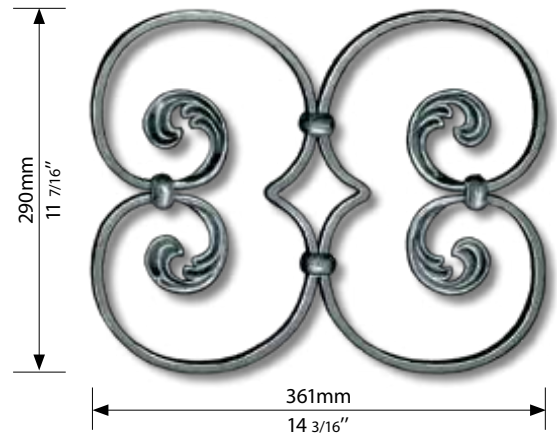
14mm
9/16"

MOB62



14x6mm
9/16"x1/4"

MOD82



16x8mm
5/8"x5/16"

MOG35



16x8mm
5/8"x5/16"

MOG40



16x8mm
5/8"x5/16"

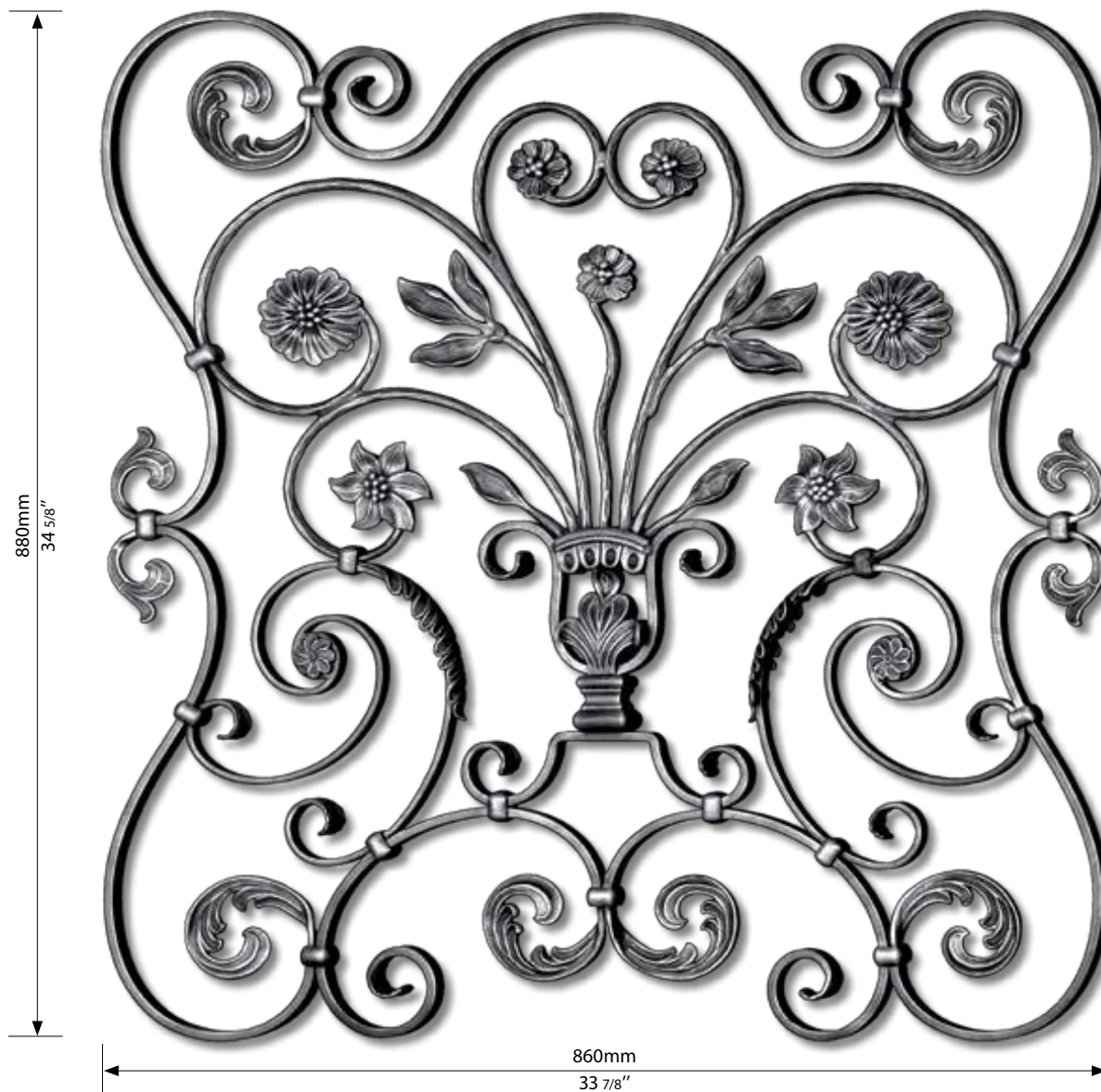
MOG36

ALL DIMENSIONS ARE APPROXIMATE.

MOZART SERIES FROM GRANDE FORGE

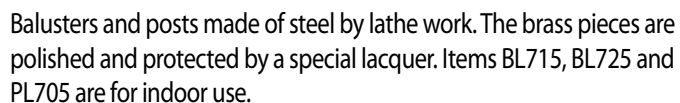


16x8mm
5/8"x5/16" **MOK128**



16x8mm
5/8"x5/16" **MOG86**

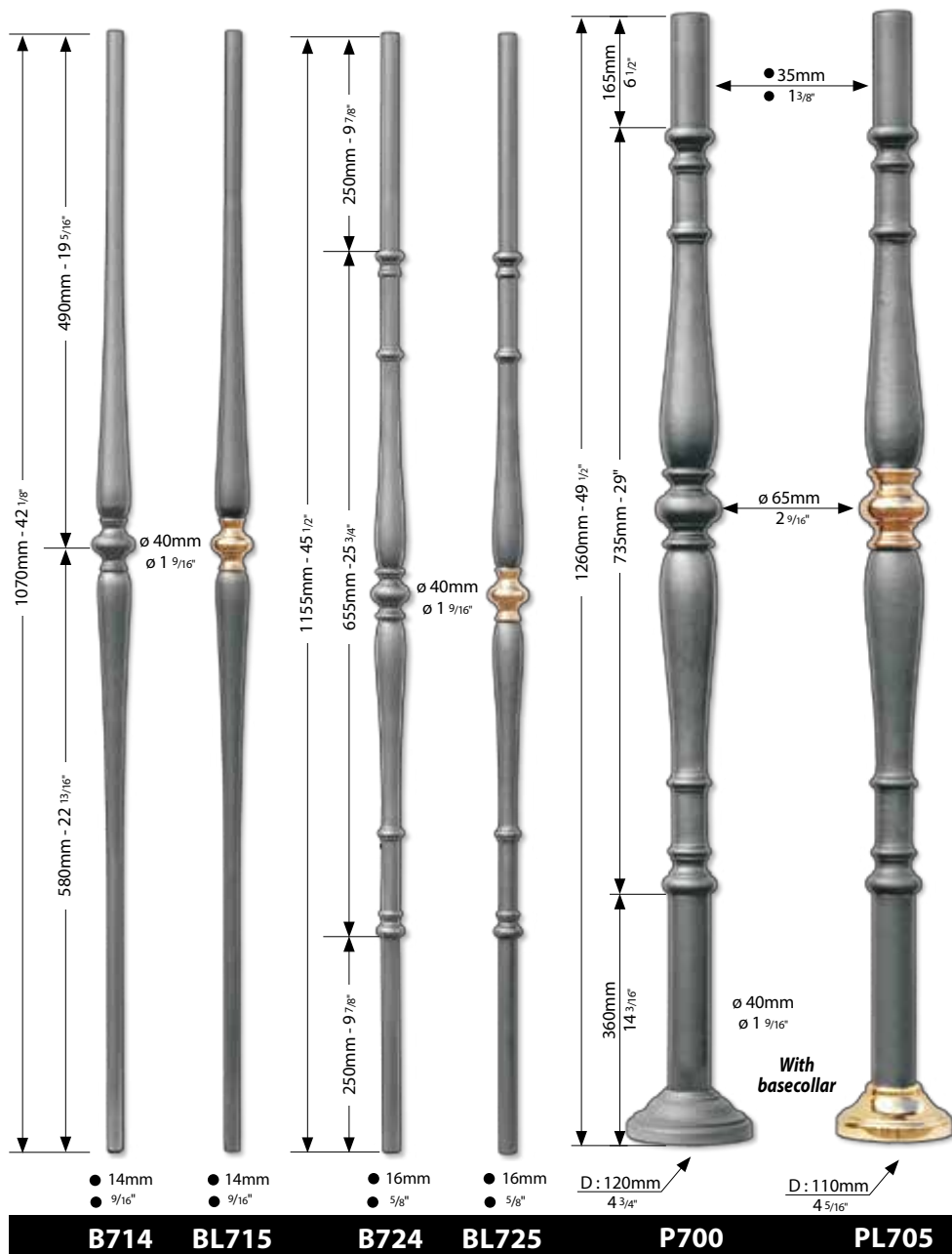
ALL DIMENSIONS ARE APPROXIMATE.



**CHROME
BLACK (CN)**



Post: P700
Baluster: B724
Finial: FOS9



82

RONDE SERIES FROM GRANDE FORGE



IRON & STEEL
RAILINGS



DESIGN:
GF-RD002

COMPONENTS:

Post: P630

Baluster: BR612

BR632

Baluster

Frame: B100



DESIGN:
GF-RD003

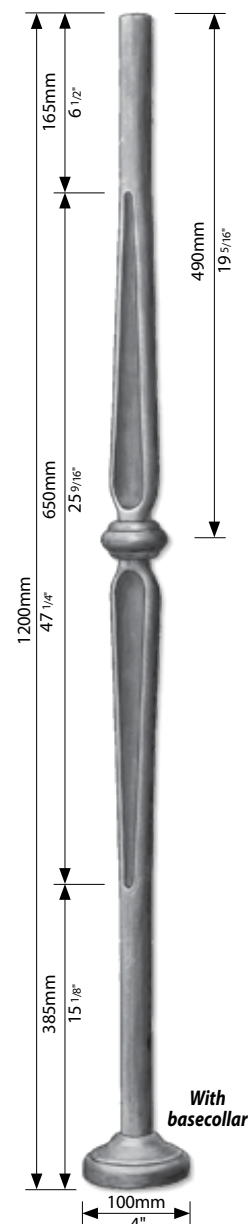
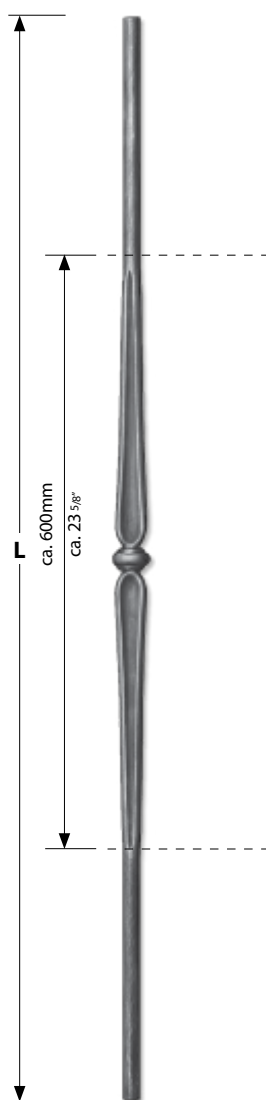
COMPONENTS:

Post: P630

Baluster: BR612

BR652

Finial: FOS9



● 14 mm
9/16"

L: 1000 mm
L: 39 3/8"

BR612

BR622

BR632

BR652

● 30 mm
1 3/16"

P630

ALL DIMENSIONS ARE APPROXIMATE.

T: 908.757.2323 + F: 908.757.3439
AISALES@ARCHIRONDESIGN.COM + ARCHIRONDESIGN.COM

AIDI

CASTEL SERIES FROM GRANDE FORGE

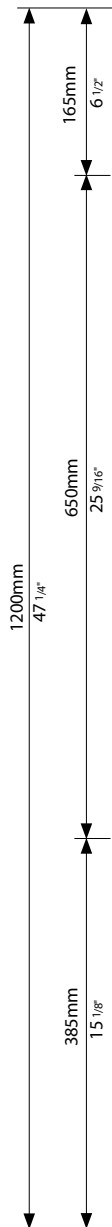


It's hard to resist these chiseled balusters with a very structured style. They inspire a warm and authentic atmosphere, reassuring, as they inevitably evoke the spirit of the home. This collection skillfully mixes a countryside spirit with classic chic style.

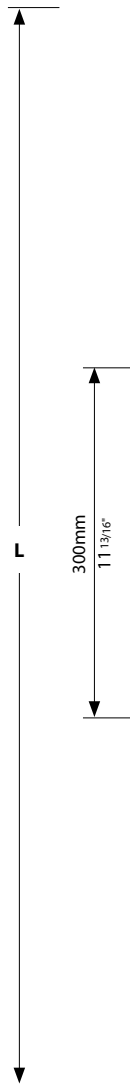


DESIGN:
GF-CS001

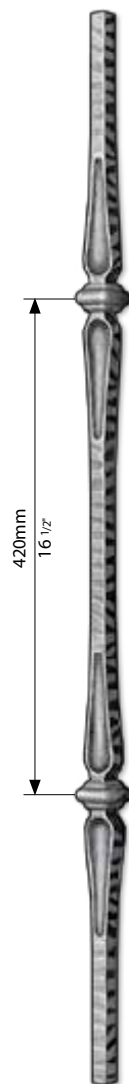
COMPONENTS:
Post: PC612
Balusters: B6311
 B6111
Finial: FOS5



■ 25 mm 1" **PC612**



■ 12 mm 1/2" L : 1000 mm L : 39 3/8" **B6111**



B6211



B6311



B6411

ALL DIMENSIONS ARE APPROXIMATE.

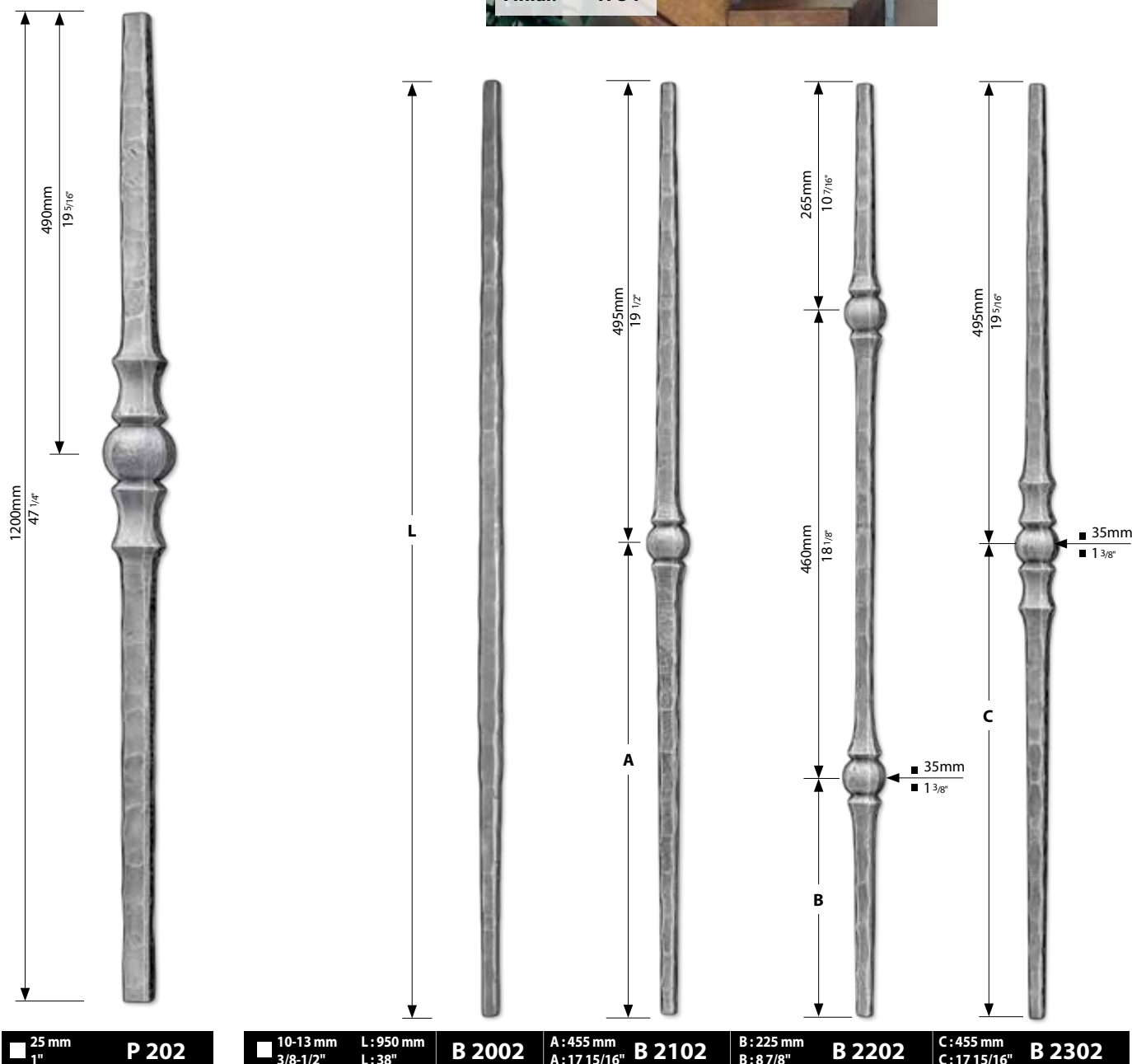
MASTERS SERIES FROM GRANDE FORGE

True masterpieces, these balusters and posts are forged in one piece, thus appears slight dimensional variations between the elements. They create a smooth, peaceful, and customized atmosphere in your interior. Depending on the shape of your staircase, MASTERS's balusters can be discreet or on the contrary, draw attention to your staircase, in association with warm colors.



grande forge

IRON & STEEL
RAILINGS



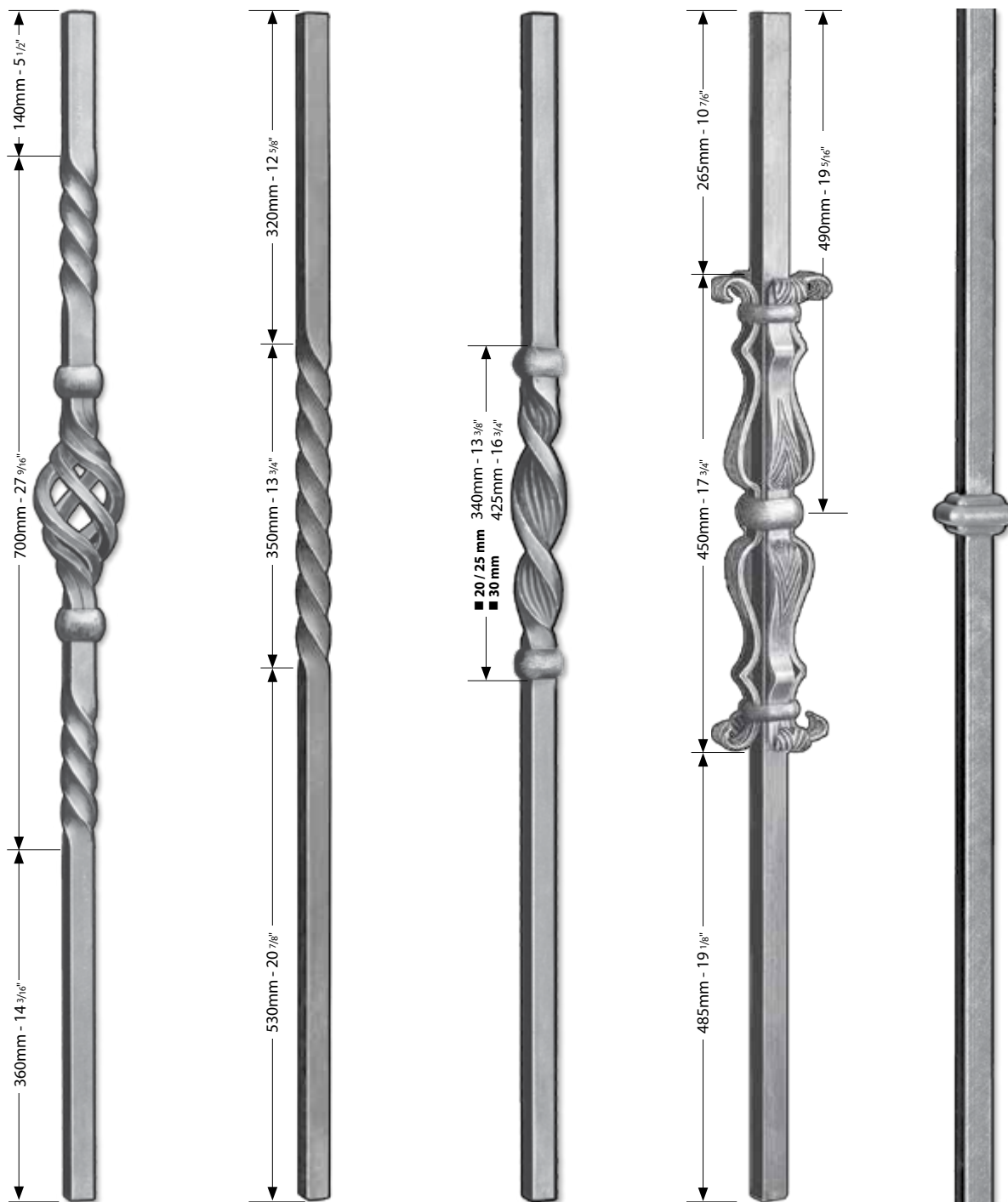
ALL DIMENSIONS ARE APPROXIMATE.

TRADITION SERIES FROM GRANDE FORGE



Different from an ordinary twisted bar, these balusters and posts have been hot forged first. Due to the relief of the forge the twists are particularly effective and beautiful.

These balusters and posts meet the demands for a fine and artistic forging to create a perfect harmony of the lines and forms.



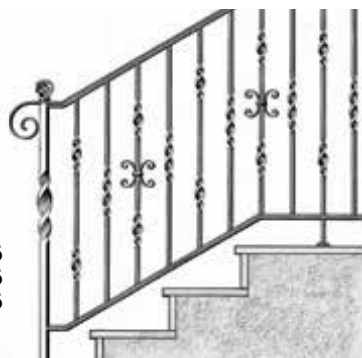
■ 20 mm 3/4"	PS121	P131	P121	P151	-
■ 25 mm 1"	PS122	P132	P122	P152	P100
■ 30 mm 1 3/16"	-	P136	P126	-	-

ALL DIMENSIONS ARE APPROXIMATE.

TRADITION SERIES FROM GRANDE FORGE

DESIGN:
GF-TR007

COMPONENTS:
Post: P102
Baluster: B0206
B0106
B0706



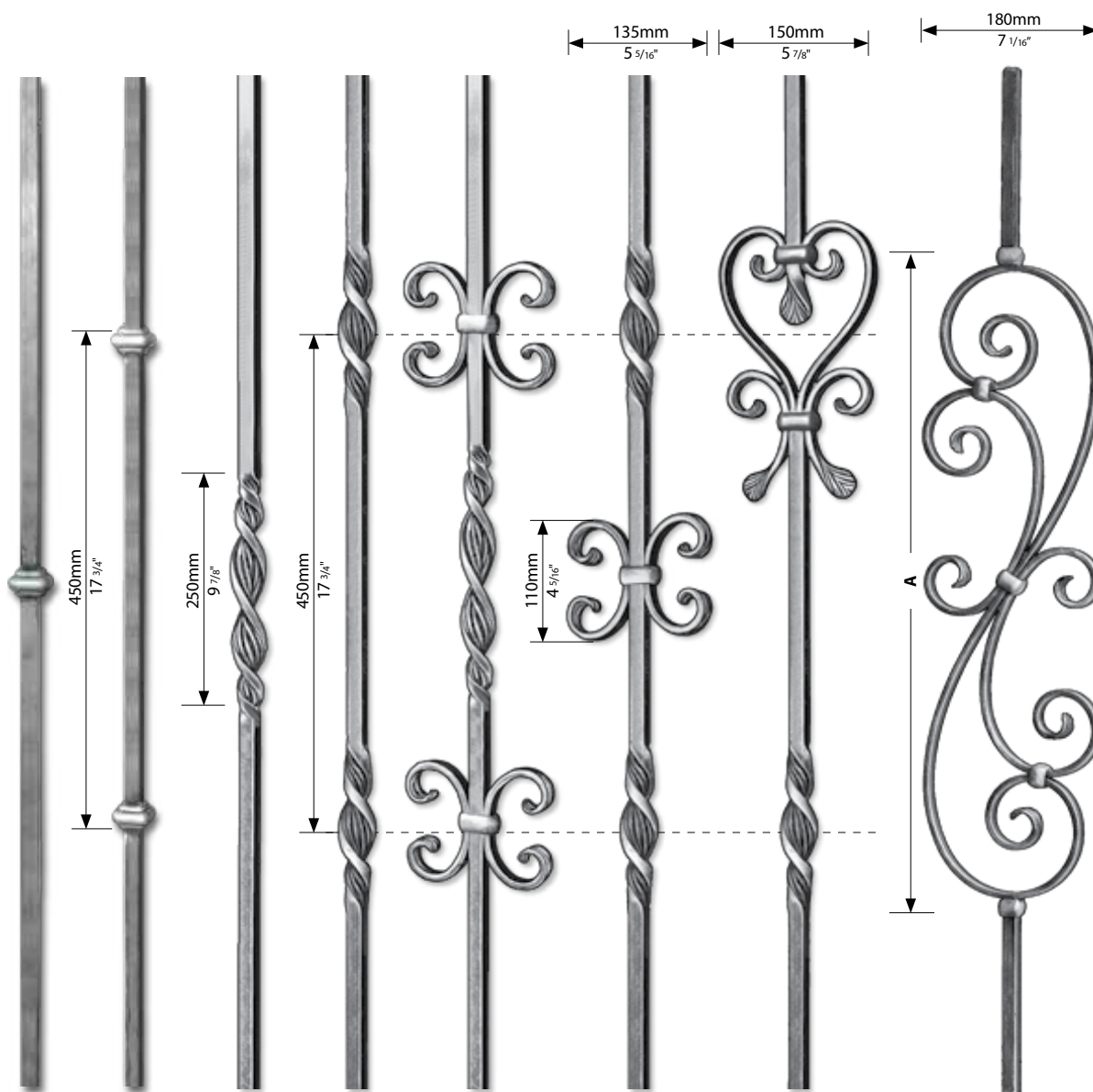
DESIGN:
GF-TR002

COMPONENTS:
Post: P102
Baluster: B0201
B0901



grande forge

IRON & STEEL
RAILINGS



12 x 1000 mm 1/2" x 39 3/8"	B1011	B1911	B0101	B0201	B0801	B0701	B0901	B4001	A: 650 mm A: 25 9/16"
14 x 1150 mm 9/16" x 45 1/2"	B1014	B1914	B0104	B0204	B0804	B0704	B0904	B4004	A: 650 mm A: 25 9/16"
16 x 1150 mm 5/8" x 45 1/2"	B1016	B1916	B0106	B0206	B0806	B0706	-	B4006	A: 700 mm A: 27 9/16"

ALL DIMENSIONS ARE APPROXIMATE.

T: 908.757.2323 + F: 908.757.3439
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AIDI

TRADITION SERIES FROM GRANDE FORGE

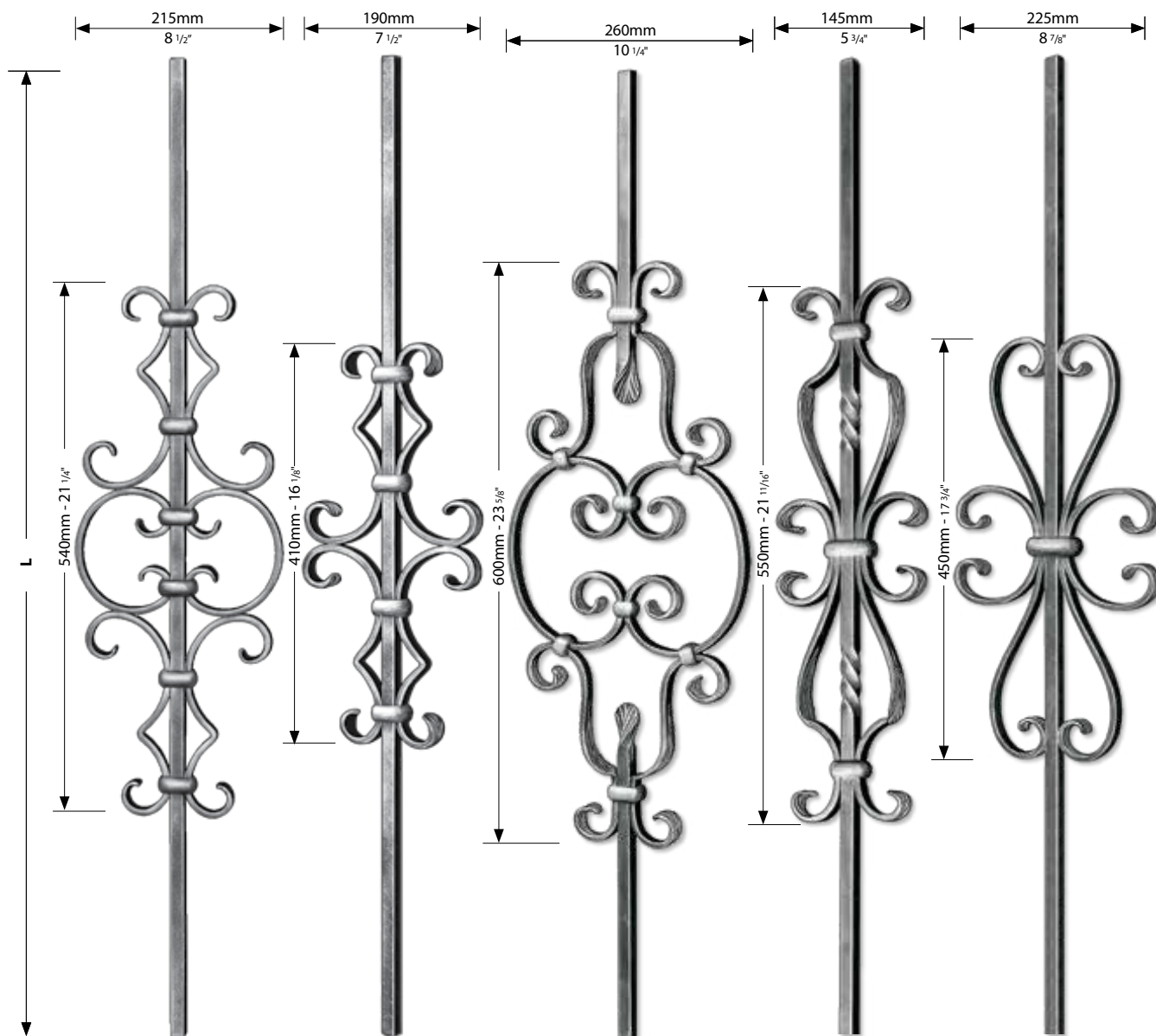


DESIGN:
GF-TR001

COMPONENTS:
Baluster: B0804
B0204
B0104
B0404

DESIGN:
GF-TR003

COMPONENTS:
Post: P102
Baluster: B1801
B0201
B0701



■ 12 mm L: 1000 mm 1/2" L: 39 3/8"	B3711	B2711	B3601	B1801	B0401
■ 14 mm L: 1150 mm 9/16" L: 45 1/2"	B3714	B2714	B3604	B1804	B0404

ALL DIMENSIONS ARE APPROXIMATE.

TRADITION SERIES FROM GRANDE FORGE



DESIGN:
GF-TR008

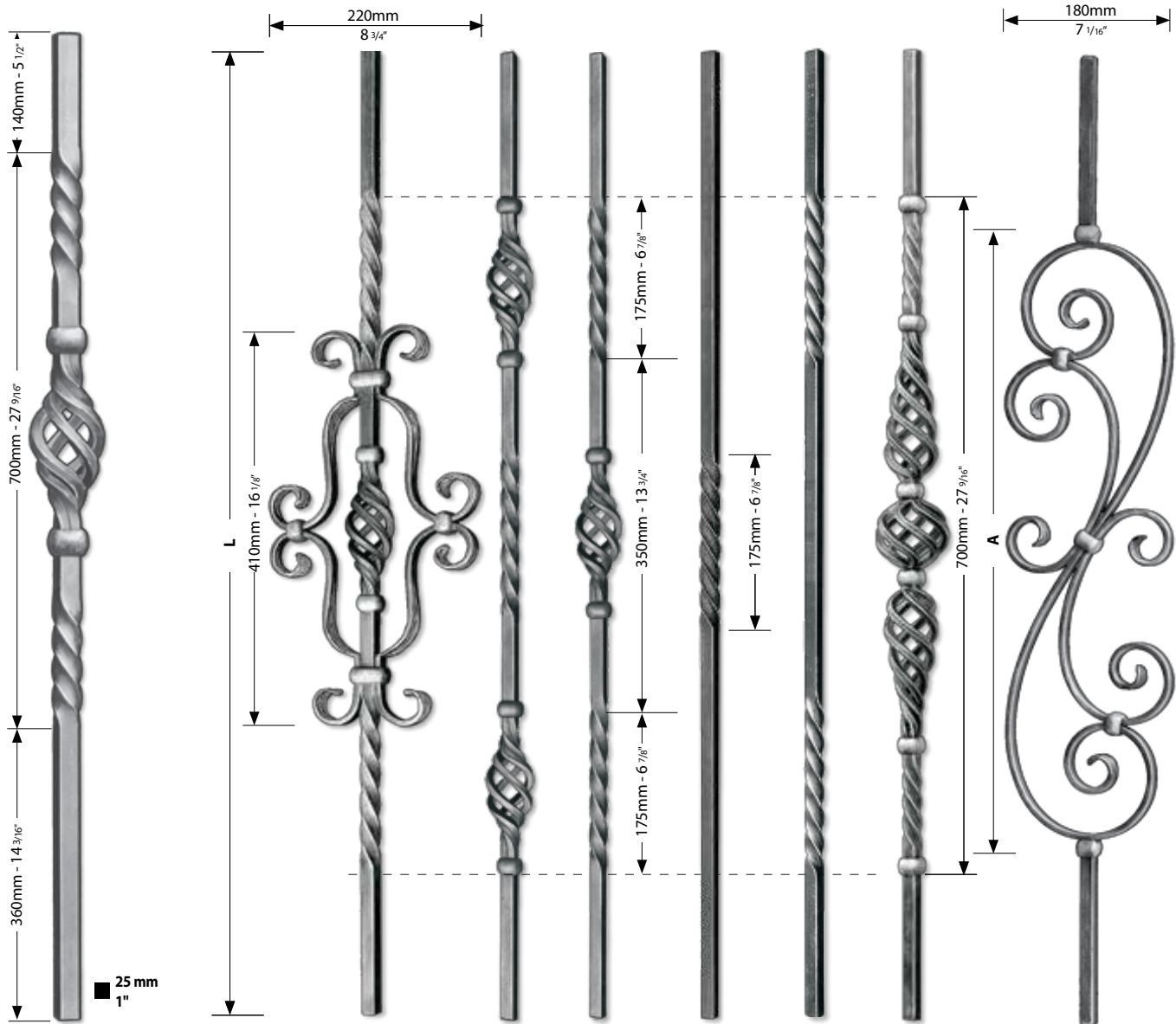
COMPONENTS:
Balusters: B3006
B4006
B9116
B9206

DESIGN:
GF-TR010

COMPONENTS:
Post: PS122
Baluster: B3204
Panel: MOG36
Finials: FOT15
FOT8



IRON & STEEL
RAILINGS



PS122

12 mm L: 1000 mm 1/2" L: 39 3/8"	B3201 B3001 B9111 B9201						B4001	A: 650 mm A: 25 9/16"
14 mm L: 1150 mm 9/16" L: 45 1/2"	B1704	B3204	B3004	B9114	B9204	B3104	B4004	A: 650 mm A: 25 9/16"
16 mm L: 1150 mm 5/8" L: 45 1/2"	B3206	B3006	B9116	B9206	B4006			A: 700 mm A: 27 9/16"

ALL DIMENSIONS ARE APPROXIMATE.

RUSTIQUE SERIES FROM GRANDE FORGE

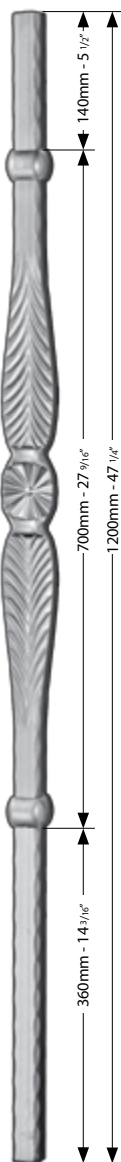


DESIGN:
GF-RS001

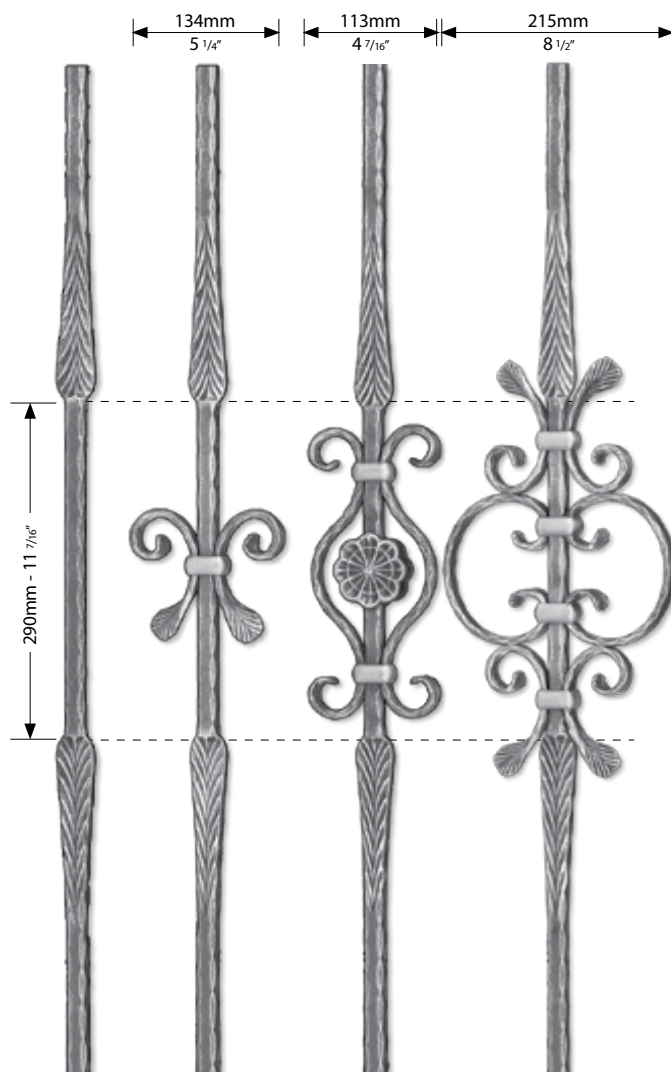
COMPONENTS:
Post: PR712
Balusters: B7501
B7201
Finial: FOT8
Base Shoe: CS250

DESIGN:
GF-RS002

COMPONENTS:
Post: PR812
Balusters: B7401
B8101
Finial: FOT12
Base Shoe: FOC83



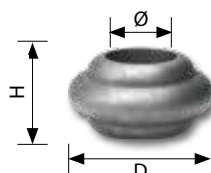
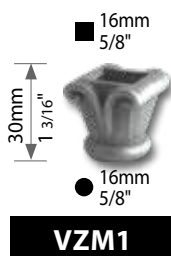
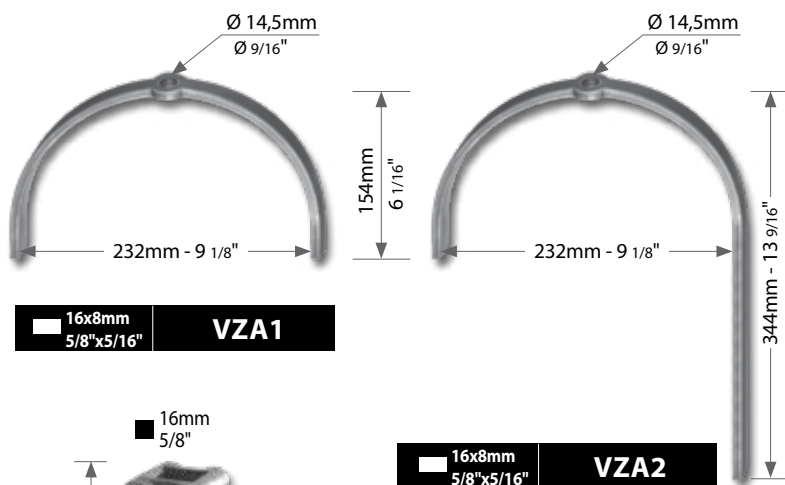
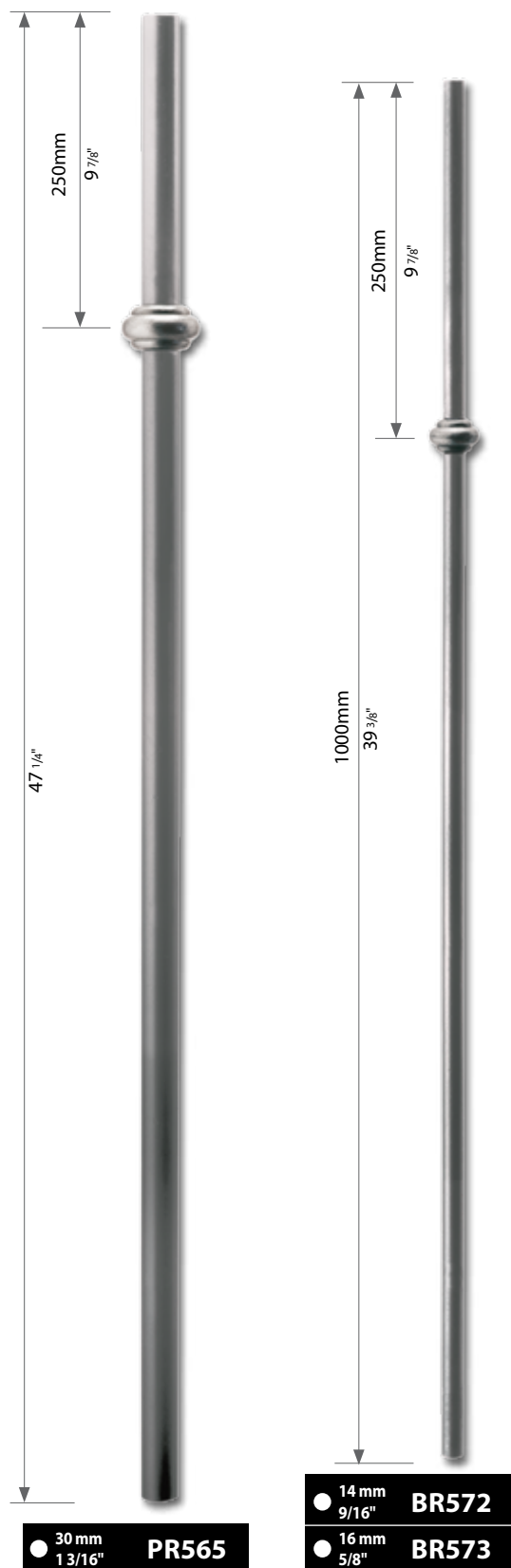
20 mm 3/4" sq.	PR711
25 mm 1" sq.	PR712
30 mm 1 3/16" sq.	PR716



12 mm 1/2"	L: 1000 mm L: 39 3/8"	B7101	B7201	B7401	B7501	B7601
14 mm 9/16"	L: 1150 mm L: 45 1/2"	B7104	B7204	B7404	B7504	B7604
16 mm 5/8"	L: 1150 mm L: 45 1/2"	B7106	B7206	B7406	-	B7606

ALL DIMENSIONS ARE APPROXIMATE.

VENEZIA SERIES FROM GRANDE FORGE



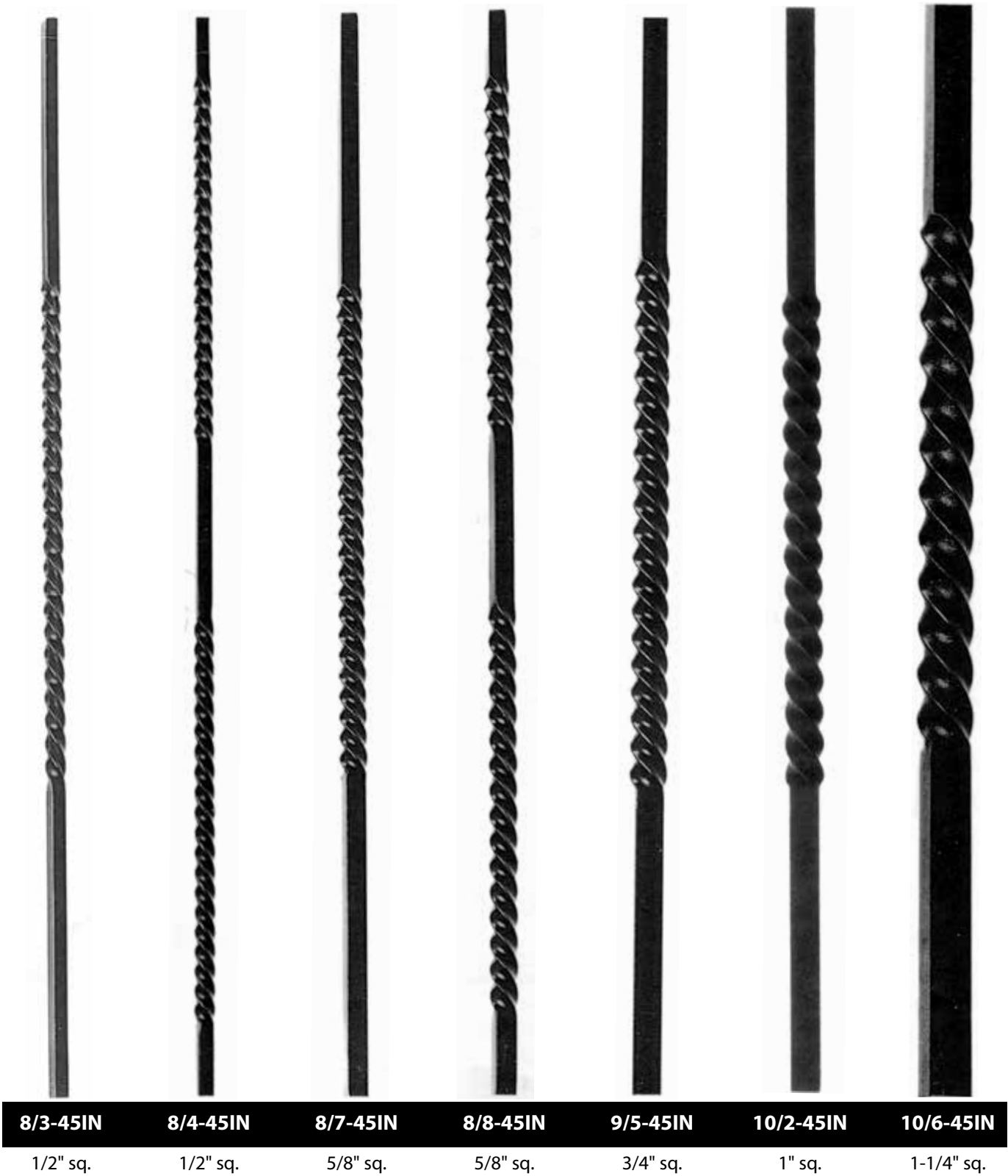
EG14	Ø : 14,5 mm Ø : 9/16"	H : 23 mm H : 7/8"	D : 34 mm D : 1 5/16"
EG16	Ø : 17 mm Ø : 11/16"	H : 23 mm H : 7/8"	D : 38 mm D : 1 1/2"

ALL DIMENSIONS ARE APPROXIMATE.

TWISTED BAR

Available in a variety of sizes, for railing, balustrades, gates, etc.
All supplied in 45" lengths, but can be made to most lengths on request.

NOTE: Bars shown are 35" long. They are extended 10" at the bottom to make 45".



ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALUSTERS

The Cherin Series by RikFer - The Feeling of Living Metal



SF7001020

SF7001320

SF7001820

1-1/2" sq.
39-3/8" H (1000mm)

1-1/8" sq.
39-3/8" H (1000mm)

7/8" sq.
42-1/8" H (1070mm)

ALL DIMENSIONS ARE APPROXIMATE.



Since each post and baluster is hand forged, design and measurements could vary.

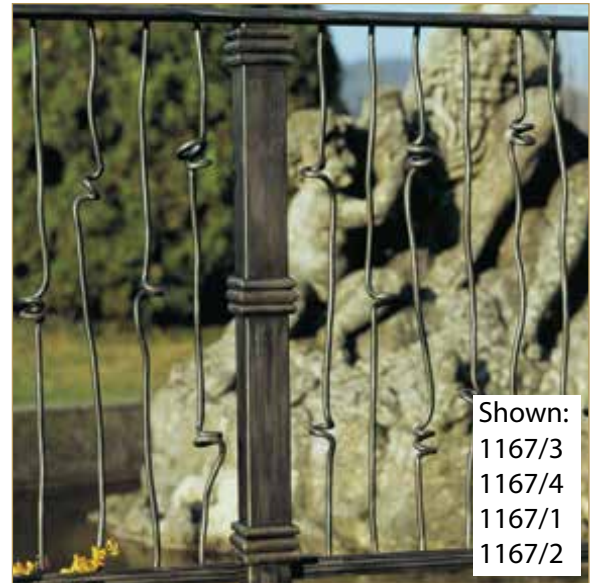
FORGED BALUSTERS

IRON & STEEL
RAILINGS



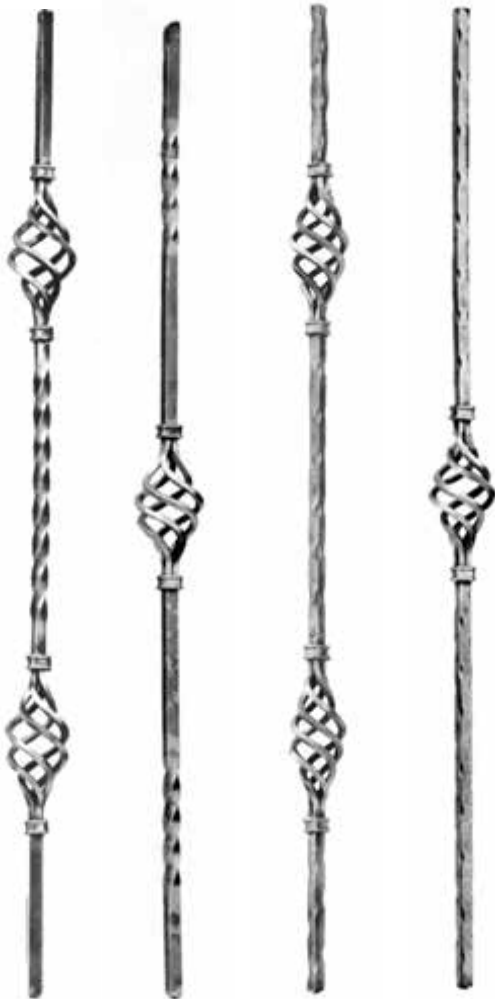
Shown: 48/4

CAGES ON BAR



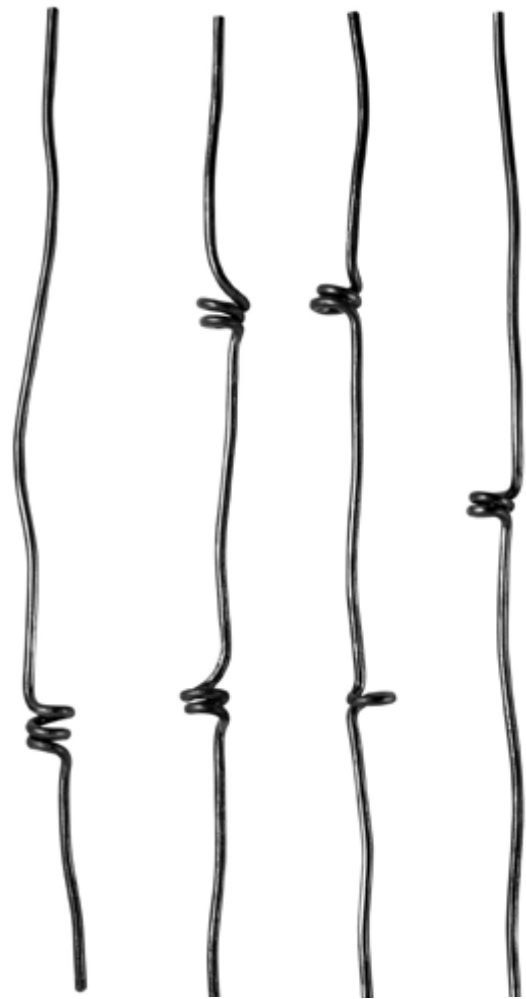
Shown:
1167/3
1167/4
1167/1
1167/2

KNOTTED BARS



48/1 48/2 48/3 48/4

1/2" sq. 1/2" sq. 1/2" sq. 1/2" sq.
35-7/16" H 35-7/16" H 35-7/16" H 35-7/16" H



1167/3 1167/4 1167/1 1167/2

1/2" dia. 1/2" dia. 1/2" dia. 1/2" dia.
39-3/8" H 39-3/8" H 39-3/8" H 39-3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALUSTERS



Shown: 490/1
490/2



Shown:
1187/1
1187/2
797/1



SF7113	490/2	490/1	1192/5	1192/6	504/2	504/3	1187/1	1187/2
1/2" sq. (13mm) 39-3/8" H	1/2" sq. 39-3/8" H	1/2" sq. 39-1/2" H	3/8" sq. 39-3/8" H	3/8" sq. 39-3/8" H	9/16" dia. 39-3/8" H	9/16" dia. 39-3/8" H	1/2" dia. 39-3/8" H	1/2" dia. 39-3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALUSTERS



Shown:
64/I/3
64/I/2

Shown:
QC-902
64/L/4

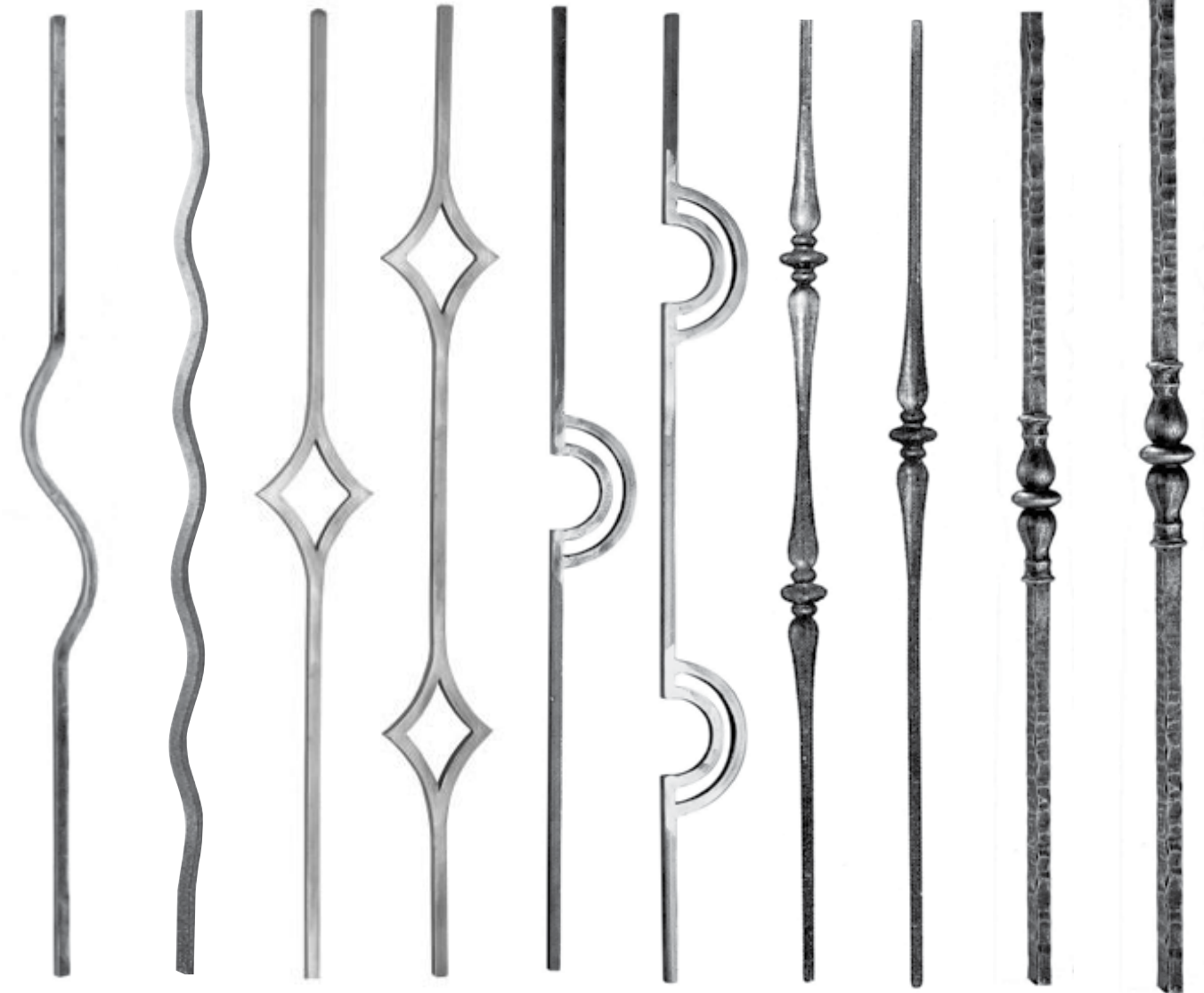


This bar is the
closest match
to items
QC-11/04 &
QC-11/03

QC-14/01	QC-14/02	QC-13/11	QC-13/12	64/I/3	64/I/2	64/L/3	64/L/4	105/3	QC-11/04	QC-11/03
9/16" dia. 39-1/2" H	9/16" dia. 39-1/2" H	9/16" sq. 39-1/2" H	9/16" sq. 39-1/2" H	9/16" sq. 35-7/16" H	9/16" sq. 35-7/16" H	9/16" dia. 35-7/16" H	9/16" dia. 35-7/16" H	9/16" sq. 39-3/8" H	1/2" sq. 39-1/2" H	1/2" sq. 39-1/2" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALUSTERS



134/G/3	70/D/1	GD23/1	GD25/1	1090/3	1090/4	5-392	5-393	5-157	9-234
1/2" sq. 35-7/16" H	9/16" sq. 35-7/16" H	9/16" sq. 4-23/32" W 39-3/8" H	9/16" sq. 4-23/32" W 39-3/8" H	1/2" sq. 39-3/8" H	1/2" sq. 39-3/8" H	1/2" sq. 35-7/16" H	1/2" sq. 35-7/16" H	3/4" sq. 47-1/4" H	1" sq. 51-3/16" H

ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALUSTERS

Create a classic & unique design using these balusters with a notched hole.



5-205

9/16" sq. bar and
5/8" x 5/16" flat bar
36-1/4" H x 9-1/4" W



5-206

9/16" sq. bar and
5/8" x 5/16" flat bar
31-7/8" H x 9-1/2" W



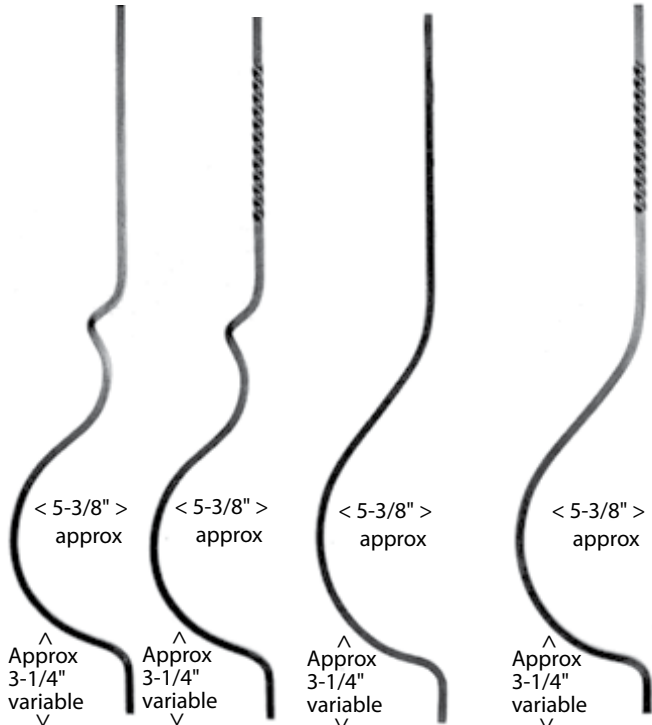
5-207

9/16" sq. bar and
5/8" x 5/16" flat bar
39-3/4" H x 8-3/4" W

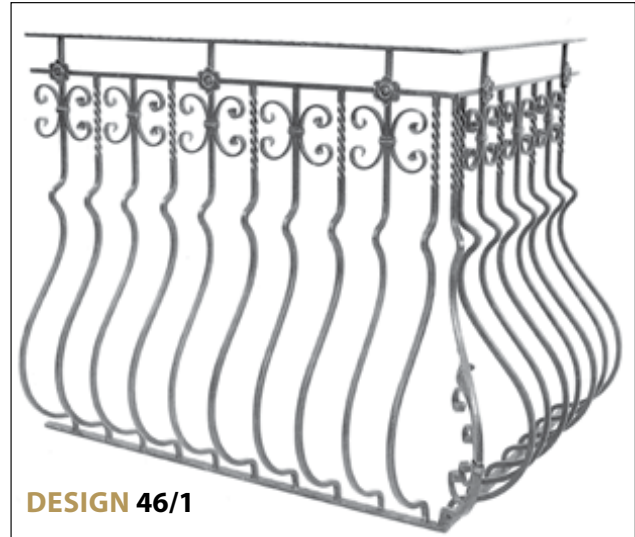
ALL DIMENSIONS ARE APPROXIMATE.

BALCONY RAILS AND FORGED BOWS

Our standard stock range, all at 39-3/8" long.



48/1B	48/2B	48/5B 49/8B	48/6B 49/9B
1/2" sq.	1/2" sq.	1/2" sq. 5/8" sq.	1/2" sq. 5/8" sq.



DESIGN 46/1

SHOWN:

4/2, 3/13, 77/30, 58/2, 48/1B, 48/2B, and 58/5



64/H/10	1783/5	2-551 2-551-1	2-552 2-552-1
9/16" sq. 35-7/16" H	1/2" sq. 39-3/8" H	5/8" sq. 35-7/8" H	3/4" sq. 35-7/8" H



SHOWN:
4/6
2-551-1
2-218/S
2-218/D
2-199-2



2-218/S 2-218/D
3/4" x 3/8" matl. 4-1/8" W x 9-1/2" H



2-199-2
3/4" x 3/8" matl. 2-3/4" W x 4-1/8" H

ALL DIMENSIONS ARE APPROXIMATE.

ECONOMY SCROLL PANELS



QC-21A/20

1/2" sq.
8-1/2" W x 36-1/4" H



QC-21A/18

1/2" sq.
8-1/2" W x 35-1/2" H



QC-902

9/16" Ø
13-1/2" W x
35-1/2" H



QC-21/09

1/2" x 1/4" matl.
13" W x 34" H



QC-21E/20

1/2" sq.
6" W x
36-1/2" H



52/F/1

1/2" sq.
10-1/4" W x
35-7/16" H



52/E/2

1/2" sq.
7-1/4" W x
35-7/16" H



PL35

1/2" sq.
11-13/16" W x
39-3/8" H



52/2

1/2" sq.
9-1/4" W x
35-7/16" H



Shown: 52/2

ALL DIMENSIONS ARE APPROXIMATE.

FORGED SCROLL PANELS



685/5

1/2" Ø
14-3/16" W x
31-29/32" H

685/6

1/2" Ø
14-3/16" W x
31-29/32" H

52/1

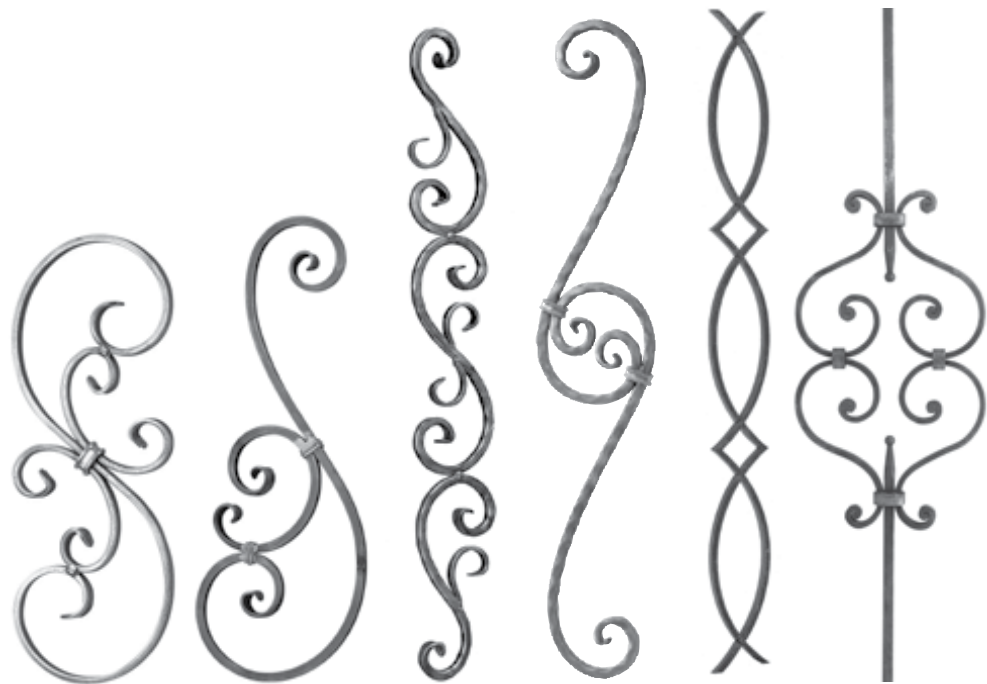
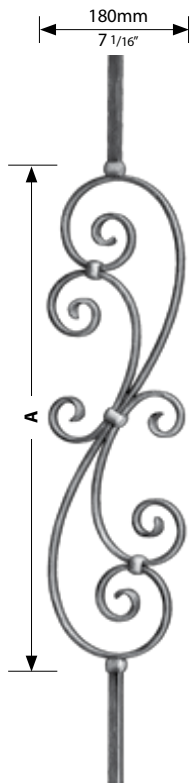
1/2" x 1/4"
13-3/4" W x
34-1/4" H

1046/1

1/2" sq.
9-27/32" W x
35-7/16" H

1051/5

1/2" x 1/4"
7-9/32" W x
23-5/8" H



B4001	A : 650 mm A : 25 9/16"	1/2" sq	39-3/8" H
B4004	A : 650 mm A : 25 9/16"	9/16" sq	45-1/2" H
B4006	A : 700 mm A : 27 9/16"	5/8" sq	45-1/2" H

1051/4

1/2" x 1/4"
5-29/32" W x
15-3/4" H

1050/3

9/16" sq.
10-7/16" W x
28-3/8" H

511/1

1/2" sq.
4-15/16" W x
35-7/16" H

103/2

1/2" sq.
6-1/2" W x
33-3/8" H

5-203

3-7/8" W x
39-3/8" H
matl. size
5/8" x 5/16"

6-242

9/16" sq.
9-7/16" W x
39-3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

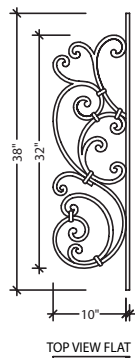
REGENCY RAILINGS TUSCANY PANELS

U.S. PATENT #5,820,111
U.S. PATENT #6,059,269

Tuscany panels are 1/2" square.

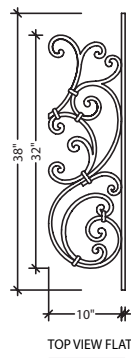
*All railing panels come painted textured black. The panels can be painted over.
If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.*

PIECE A
FITS LEVEL
BALCONY
OR LANDING



TUS A-1

PIECE B
FITS LEVEL
BALCONY OR
LANDING



TUS B-1

PIECE C
FITS ANGLES
20-36°



TUS C-1

PIECE D
FITS ANGLES
20-48°

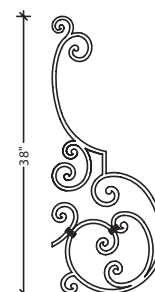


TUS D-1

PIECE E
FITS ANGLES
37-48°



TUS E-1

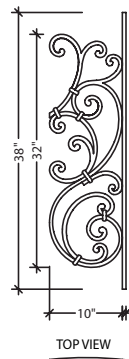


TUS Term-FLAT



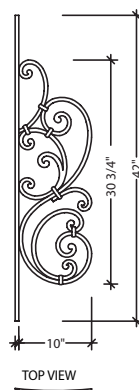
TUS A-2

For all radius
from 28 inches to
20 feet



TUS B-2

For all radius
from 28 inches to
20 feet



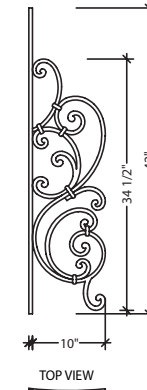
TUS C-2

For all radius
from 30 inches to
20 feet



TUS D-2

For all radius
from 30 inches to
20 feet



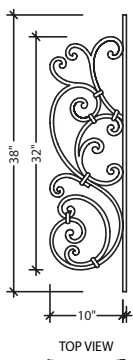
TUS E-2

For all radius
from 30 inches to
20 feet



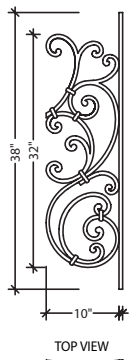
TUS Term-LT

Right side view
4-1/2" radius



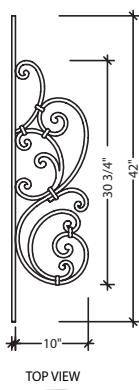
TUS A-3

For all radius
from 28 inches to
20 feet



TUS B-3

For all radius
from 28 inches to
20 feet



TUS C-3

For all radius
from 30 inches to
20 feet



TUS D-3

For all radius
from 30 inches to
20 feet



TUS E-3

For all radius
from 30 inches to
20 feet



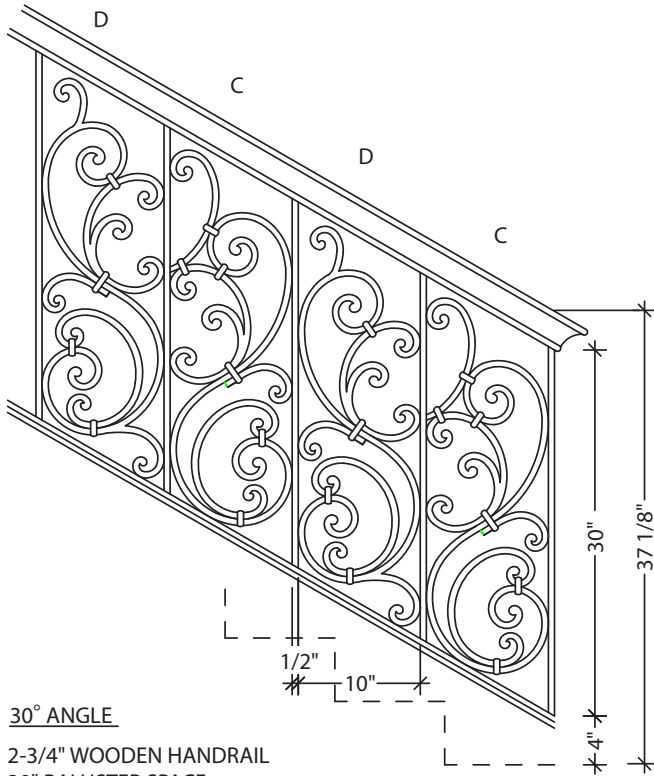
TUS Term-RT

Left side view
4-1/2" radius

ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS TUSCANY PANELS

Tuscany panels are 1/2" square.



30° ANGLE

2-3/4" WOODEN HANDRAIL

30" BALUSTER SPACE

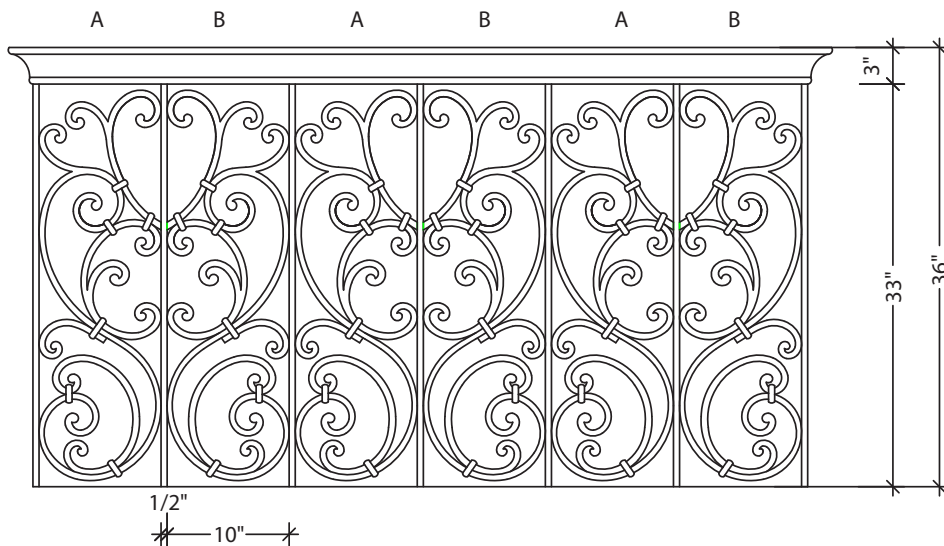
4" CLOSED STRINGER (VERTICAL)

WILL CLEAR

4" CODE



Tuscany©



BALCONY

3" WOODEN HANDRAIL

33" BALUSTER SPACE

WILL CLEAR

4" CODE



ALL DIMENSIONS ARE APPROXIMATE.

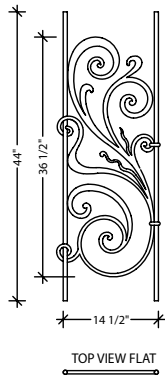
REGENCY RAILINGS REBECCA PANELS

U.S. PATENT #5,820,111
U.S. PATENT #6,059,269
CANADA PAT #2327280

Rebecca panels are 1/2" round and side bars are 5/8" round.

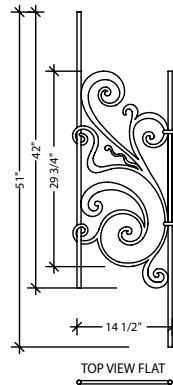
*All railing panels come painted textured black. The panels can be painted over.
If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.*

PIECE A
FITS LEVEL
BALCONY OR
STRAIGHT RAIL



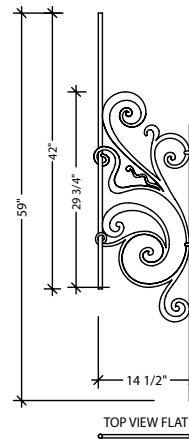
RB A-1

PIECE B
FITS ANGLES 23-39°

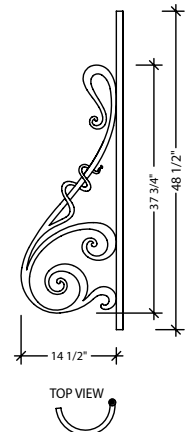


RB B-1

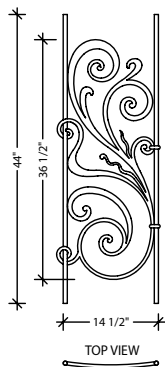
PIECE C
FITS ANGLES 40-52°



RB C-1

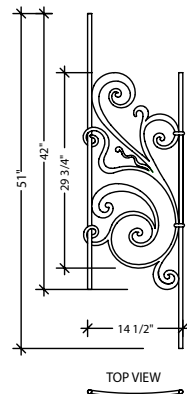


RB Term



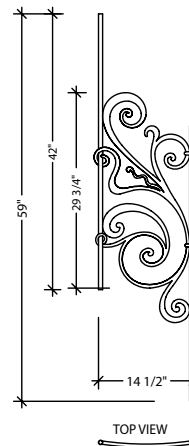
RB A-2

For all radius
from 28 inches to 20 feet



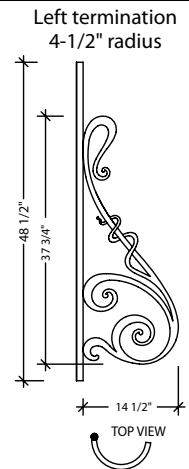
RB B-2

For all radius
from 30 inches to 20 feet



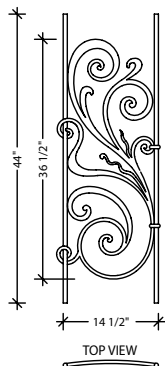
RB C-2

For all radius
from 30 inches to 20 feet



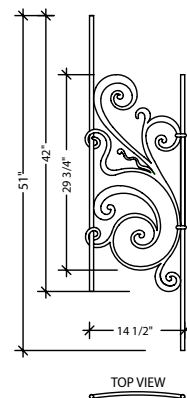
RB Term

Right termination
4-1/2" radius



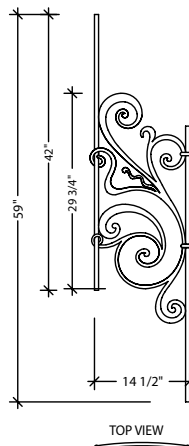
RB A-3

For all radius
from 28 inches to 20 feet



RB B-3

For all radius
from 30 inches to 20 feet



RB C-3

For all radius
from 30 inches to 20 feet

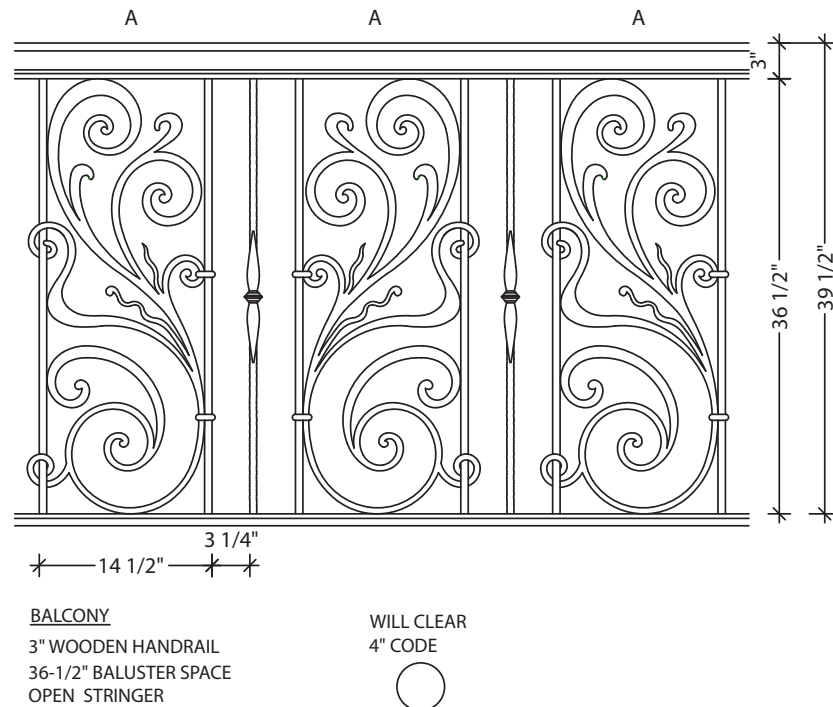
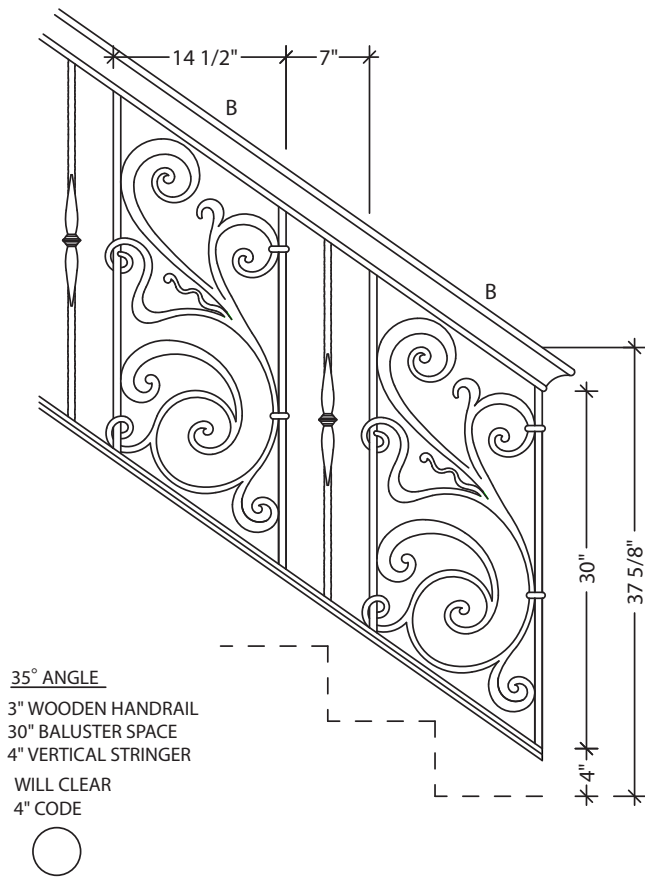


Rebecca©

**ALL DIMENSIONS
ARE APPROXIMATE.**

REGENCY RAILINGS REBECCA PANELS

Rebecca panels are 1/2" round and side bars are 5/8" round.



ALL DIMENSIONS ARE APPROXIMATE.

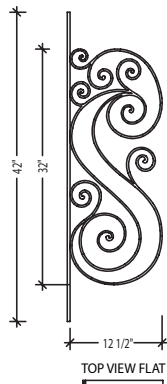
REGENCY RAILINGS MICHELLE PANELS

U.S. PATENT #5,820,111
U.S. PATENT #6,059,269

Michelle panels are 1/4" x 1" flat bar and side bars are 3/8" x 1" flat bar.

*All railing panels come painted textured black. The panels can be painted over.
If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.*

PIECE A
FITS LEVEL
BALCONY OR
STRAIGHT RAIL



MIC A-1

PIECE B
FITS ALL ANGLES
UP TO 50°



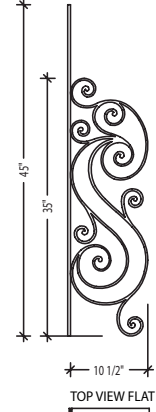
MIC B-1

PIECE C
FITS ALL ANGLES
UP TO 46°

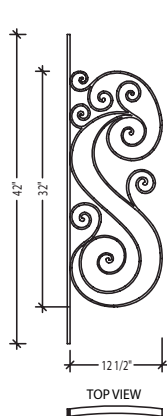


MIC C-1

PIECE D
FITS ALL ANGLES
UP TO 47-50°



MIC D-1



MIC A-2

For all radius
from 28 inches to 20 feet



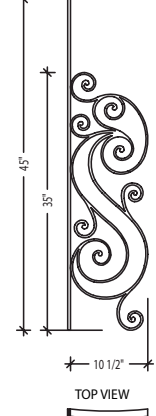
MIC B-2

For all radius
from 30 inches to 20 feet



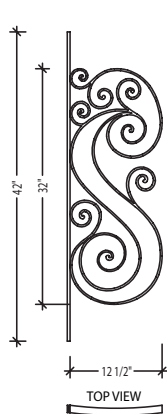
MIC C-2

For all radius
from 30 inches to 20 feet



MIC D-2

For all radius
from 30 inches to 20 feet



MIC A-3

For all radius
from 28 inches to 20 feet



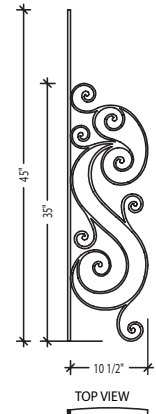
MIC B-3

For all radius
from 30 inches to 20 feet



MIC C-3

For all radius
from 30 inches to 20 feet



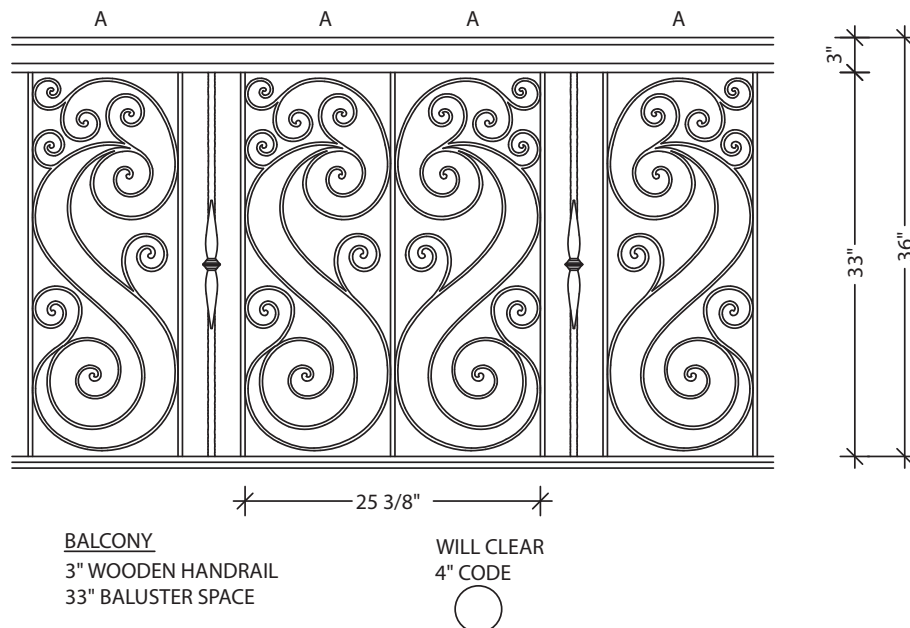
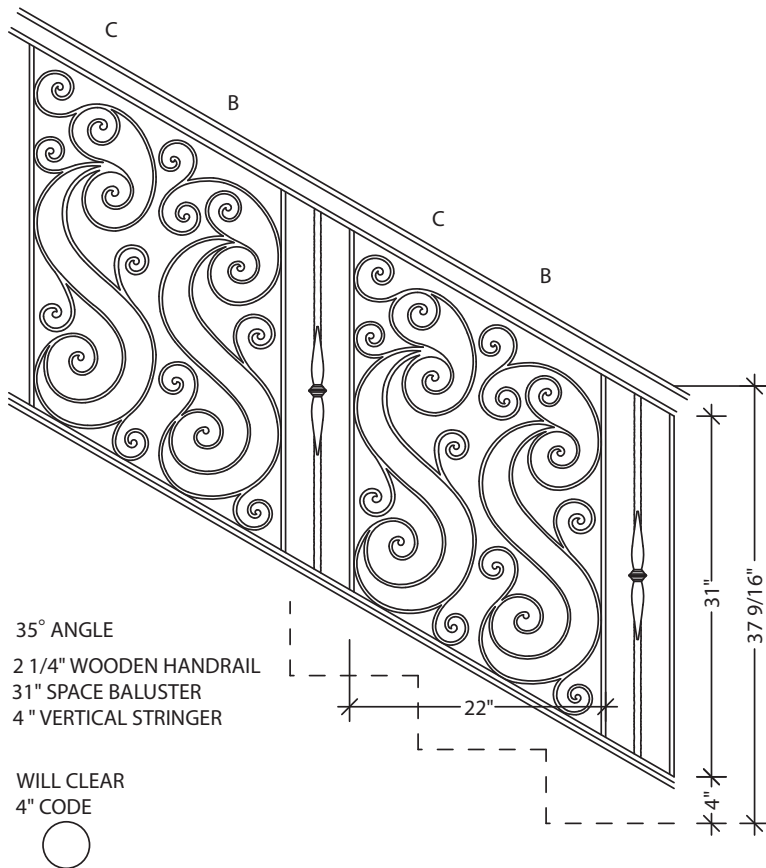
MIC D-3

For all radius
from 30 inches to 20 feet

ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS MICHELLE PANELS

Michelle panels are 1/4" x 1" flat bar and side bars are 3/8" x 1" flat bar.



ALL DIMENSIONS ARE APPROXIMATE.

Windsor I hoops are 5/8" square bar and the center bar of piece C & D is 3/8" round.

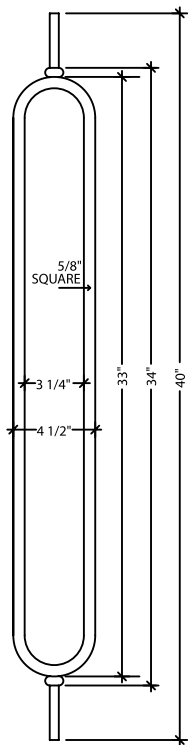
Windsor I is sold in sets and includes one hoop, two collars, two fleur de lis, two threaded rods, and one center medallion.

All railing panels come painted textured black. The panels can be painted over.

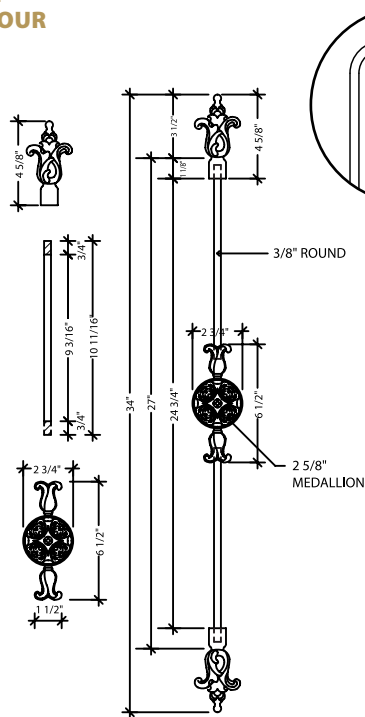
If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.

Available in steel and aluminum (see page 224).

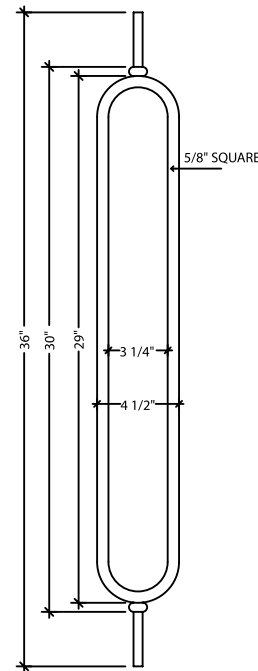
PIECE A
IS SUPPLIED WITH A
STRAIGHT OR ANGLED
COLLAR. PLEASE
CHOOSE ITEM FOR YOUR
APPLICATION.



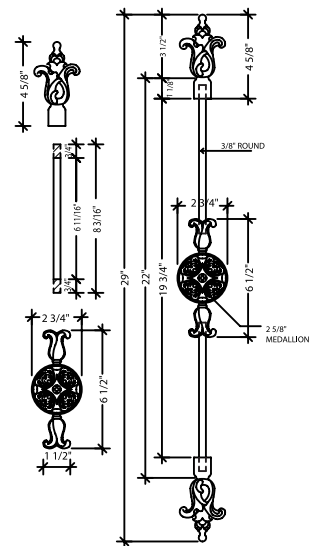
PIECE C
USE WITH PIECE A



PIECE B
IS SUPPLIED WITH A
STRAIGHT OR ANGLED
COLLAR. PLEASE
CHOOSE ITEM FOR YOUR
APPLICATION.



PIECE D
USE WITH PIECE B



Collar
See page
109 for more
examples.

For straight applications
Fits angles 21° to 27°
Fits angles 28° to 34°
Fits angles 35° to 42°
Fits angles 43° to 49°

STEEL PIECE A & C
WIN A1C-0
WIN A1C-24
WIN A1C-31
WIN A1C-39
WIN A1C-46

STEEL PIECE B & D
WIN B1D-0
WIN B1D-24
WIN B1D-31
WIN B1D-39
WIN B1D-46

ALUMINUM PIECE A & C
WIN A1AC-0
WIN A1AC-24
WIN A1AC-31
WIN A1AC-39
WIN A1AC-46

ALUMINUM PIECE B & D
WIN B1AD-0
WIN B1AD-24
WIN B1AD-31
WIN B1AD-39
WIN B1AD-46



Close up of
aluminum
collar.



WIN A1
WIN A1A
WIN B1
WIN B1A

HOOP ONLY

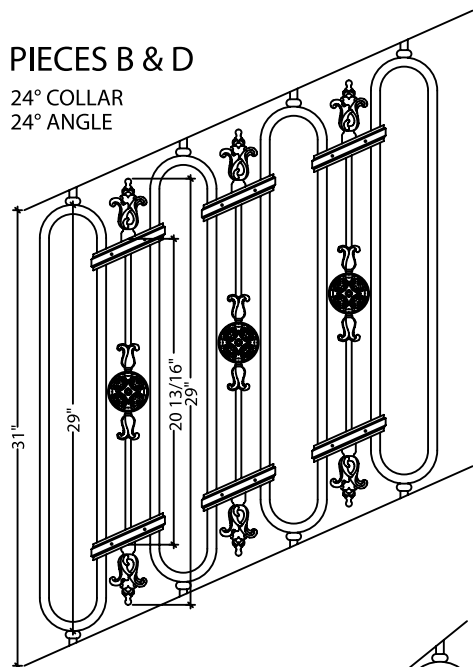
Piece A in Steel
Piece A in Aluminum
Piece B in Steel
Piece B in Aluminum

ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS WINDSOR I PANELS

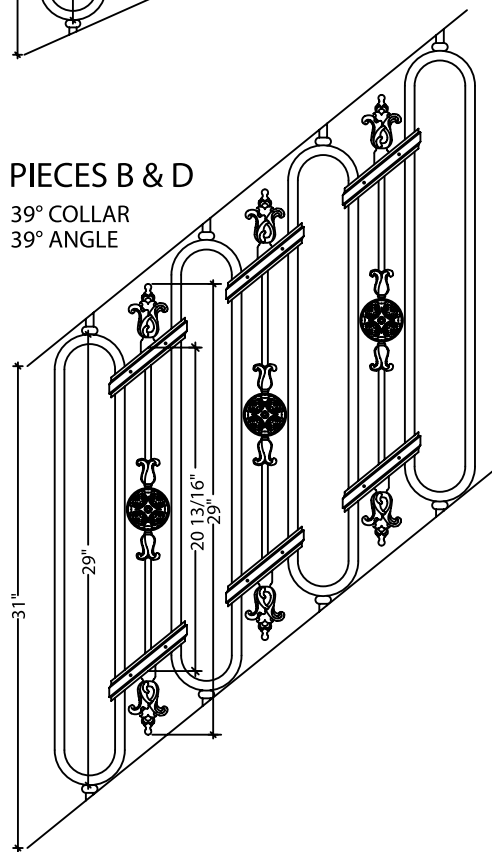
PIECES B & D

24° COLLAR
24° ANGLE

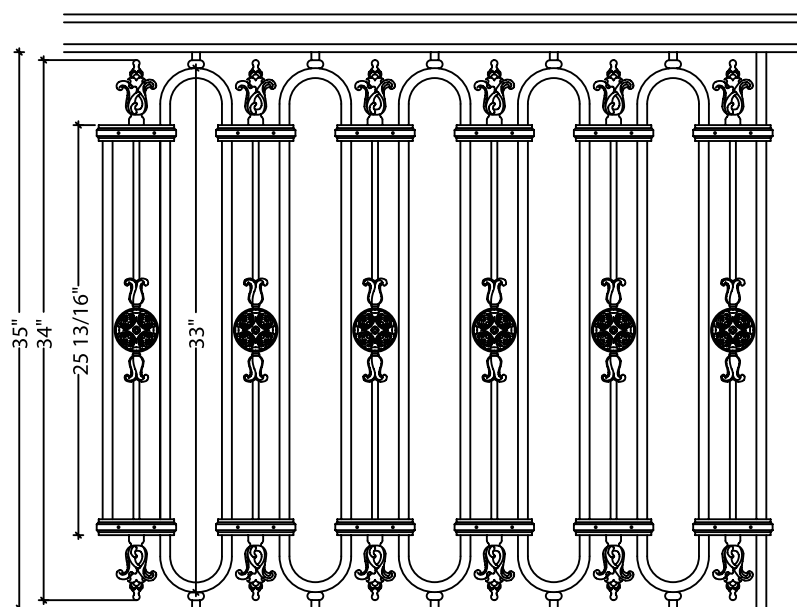


PIECES B & D

39° COLLAR
39° ANGLE



PIECES A & C



ALL DIMENSIONS ARE APPROXIMATE.

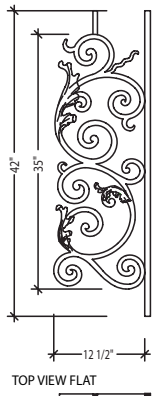
REGENCY RAILINGS BORDEAUX PANELS

U.S. PATENT #5,820,111
U.S. PATENT #6,059,269

Bordeaux panels are 5/8" square and side bars are 3/4" square tube.

*All railing panels come painted textured black. The panels can be painted over.
If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.*

PIECE A
FITS LEVEL
BALCONY OR
STRAIGHT RAIL



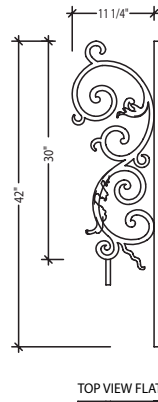
BOC A-1

PIECE B
FITS ALL ANGLES UP
TO 48°



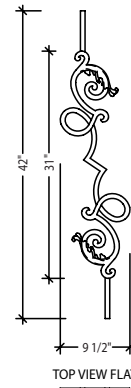
BOC B-1

PIECE B
FITS ALL ANGLES UP
TO 48°



BOC B-1

PIECE C
FITS ONLY INCLINE
ANGLES BELOW 40°



BOC C-1



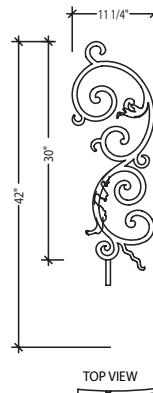
BOC A-2

For all radius
from 28 inches to 20 feet



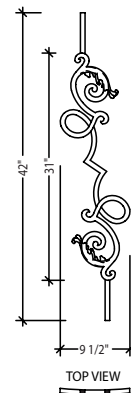
BOC B-2

For all radius
from 30 inches to 20 feet



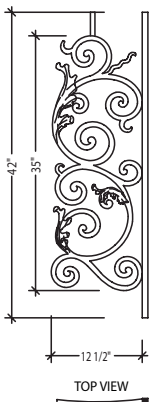
BOC B-2

For all radius
from 30 inches to 20 feet



BOC C-2

For all radius
from 30 inches to 20 feet



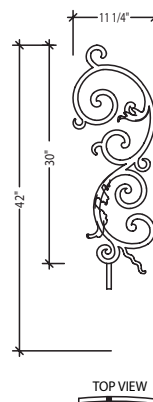
BOC A-3

For all radius
from 28 inches to 20 feet'



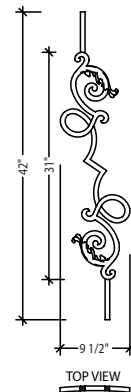
BOC B-3

For all radius
from 30 inches to 20 feet



BOC B-3

For all radius
from 30 inches to 20 feet



BOC C-3

For all radius
from 30 inches to 20 feet

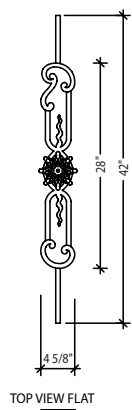
ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS BORDEAUX PANELS

Bordeaux panels are 5/8" square and side bars are 3/4" square tube.

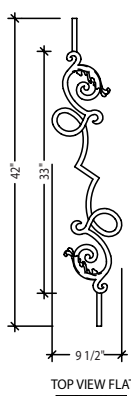
IRON & STEEL
RAILINGS

PIECE D
FITS ALL ANGLES

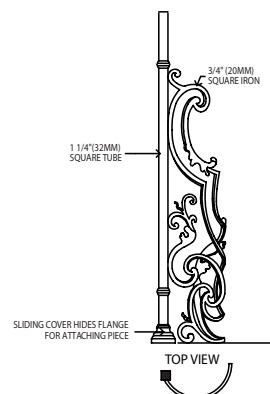


TOP VIEW FLAT

PIECE E
FITS ONLY ANGLES
ABOVE 40°



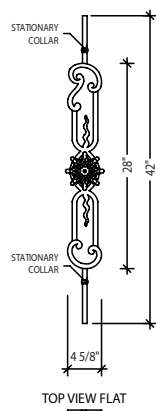
TOP VIEW FLAT



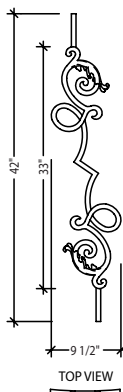
BOC D

BOC E-1

BOC Term

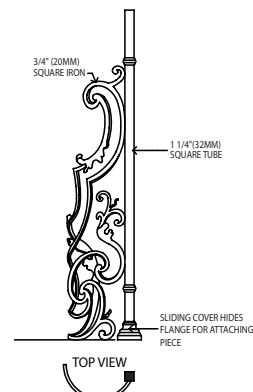


TOP VIEW FLAT



TOP VIEW

Right inside view
4-1/2" radius



BOC F

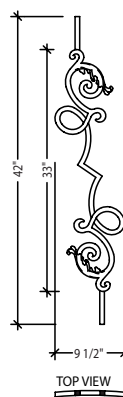
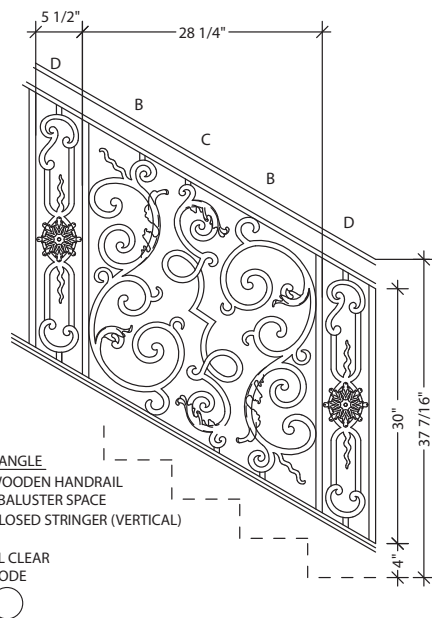
BOC E-2

BOC Term

Piece F
Fits level balcony or
straight rail

For all radius
from 30 inches to 20 feet

Left inside view
4-1/2" radius



TOP VIEW

BOC E-3

For all radius
from 30 inches to 20 feet



Bordeaux©

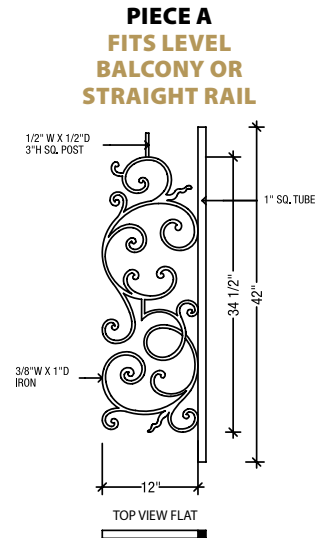
ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS REGENCY PANELS

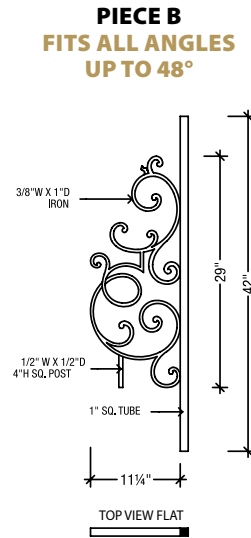
U.S. PATENT #5,820,111
U.S. PATENT #6,059,269

Regency panels include a 1/2" sq. post at 3" or 4" tall depending on the panel chosen. The scroll design is made of 3/8" x 1" flat bar. The side bars are 1" square tube.

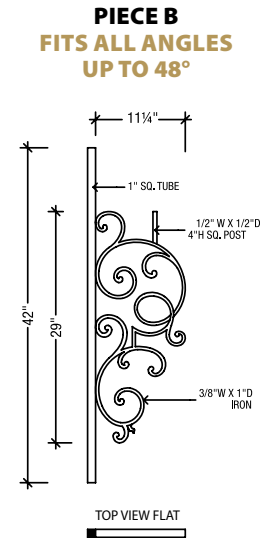
All railing panels come painted textured black. The panels can be painted over. If powdercoating is an option, the panels must be sandblasted and cleaned first and then powder coated.



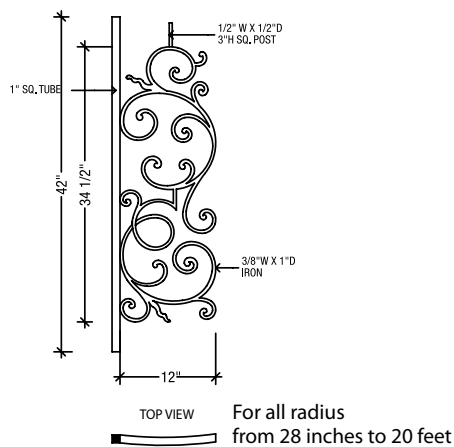
RE A-1



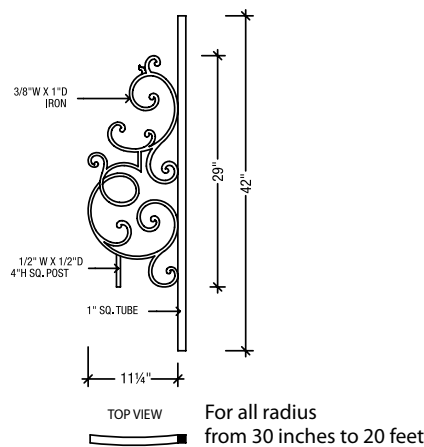
RE B-1



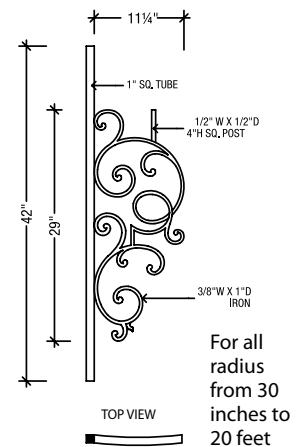
RE B-1



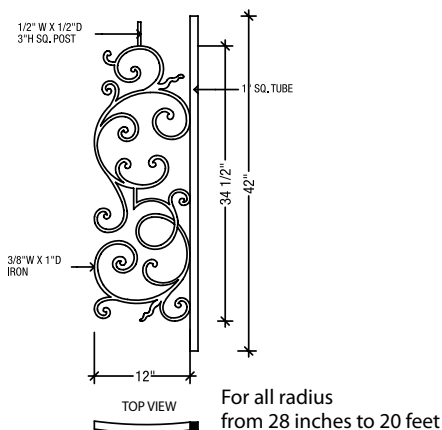
RE A-2



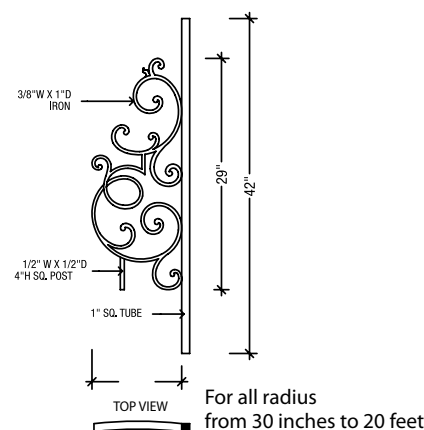
RE B-2



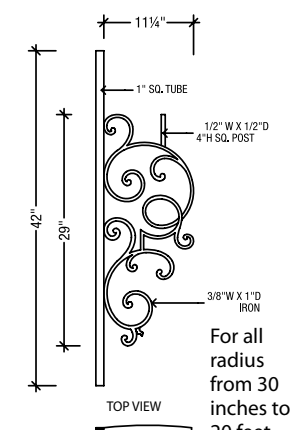
RE B-2



RE A-3



RE B-3



RE B-3

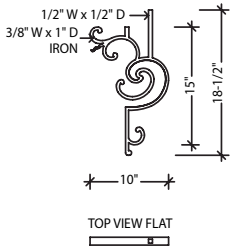
ALL DIMENSIONS ARE APPROXIMATE.

REGENCY RAILINGS REGENCY PANELS

Regency panels include a 1/2" sq. post at 3" or 4" tall depending on the panel chosen. The scroll design is made of 3/8" x 1" flat bar. The side bars are 1" square tube.

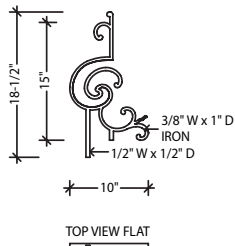
IRON & STEEL
RAILINGS

PIECE C
FITS ALL ANGLES
UP TO 48°



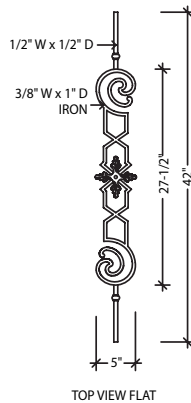
RE C-1

PIECE C
FITS ALL ANGLES
UP TO 48°



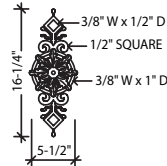
RE C-1

PIECE D
FITS ALL ANGLES
& LEVEL BALCONY



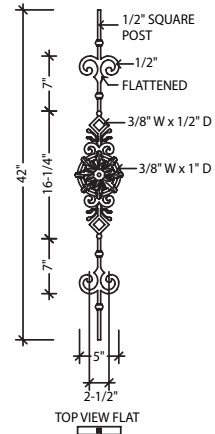
RE D

PIECE E
FITS ALL ANGLES



RE E

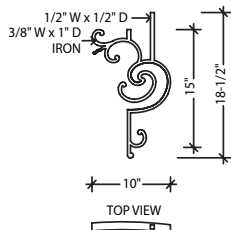
PIECE F
FITS LEVEL
BALCONY OR
STRAIGHT RAIL



RE F

RE C-2

For all radius
from 30 inches to 20 feet

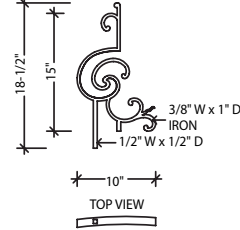


RE C-3

For all radius
from 30 inches to 20 feet

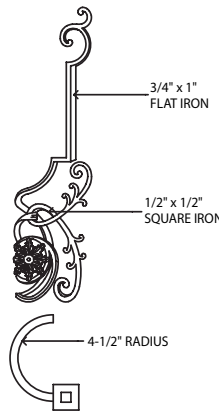
RE C-2

For all radius
from 30 inches to 20 feet

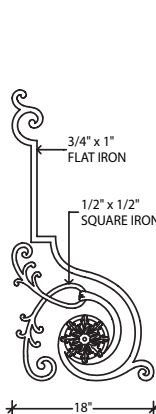


RE C-3

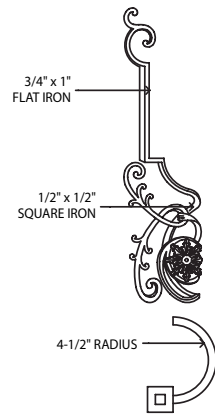
For all radius
from 30 inches to 20 feet



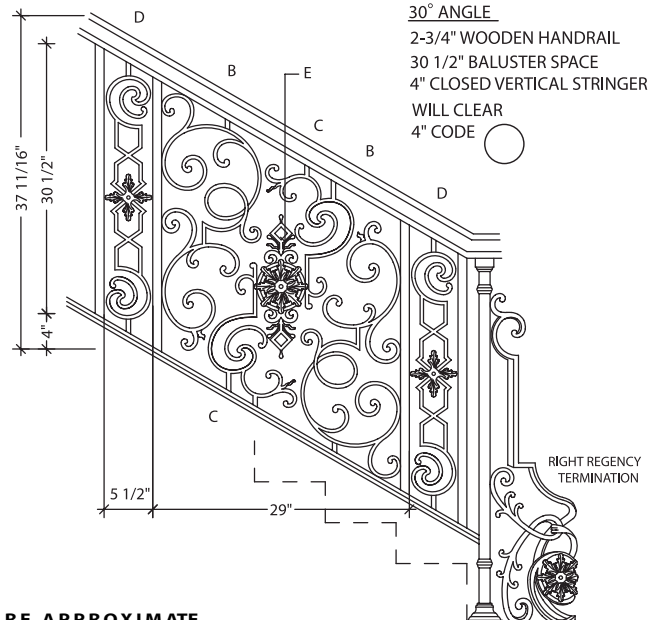
RE TERM-L



RE TERM-FLAT



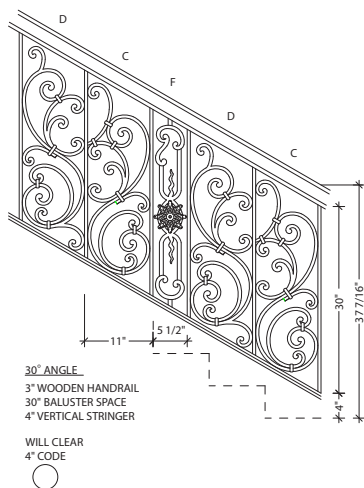
RE TERM-R



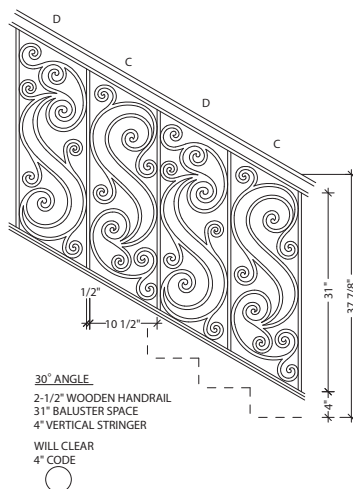
ALL DIMENSIONS ARE APPROXIMATE.

MORE PREFABRICATED PANELS OFFERED

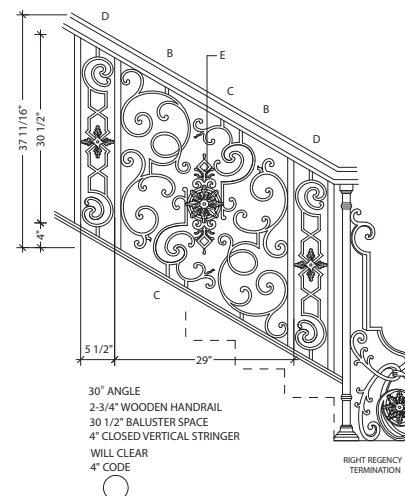
Rossi: 1/2" square



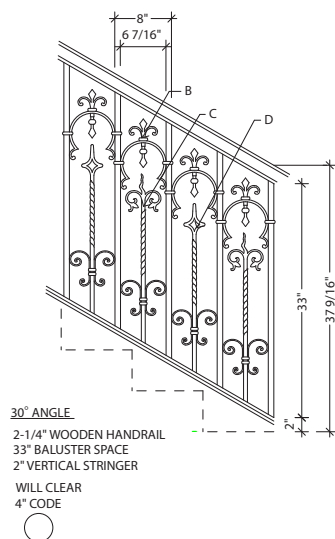
Victoria: 1/2" x 1/2" square



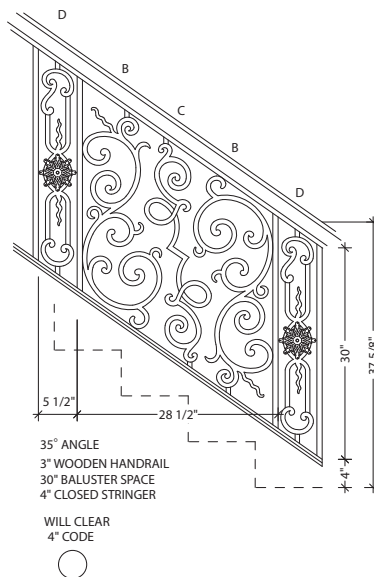
Regency: Panels are 3/8" wide x 1" deep, side bars are 1" square tube and top/bottom bars are 1/2" square



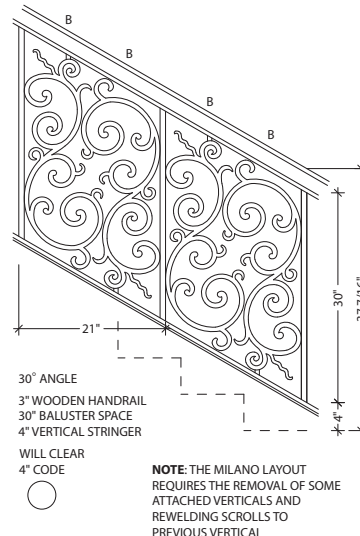
Firenza: Panels are 13/16"x 3/16" and 13/16" x 5/16", side bars are 13/16" square



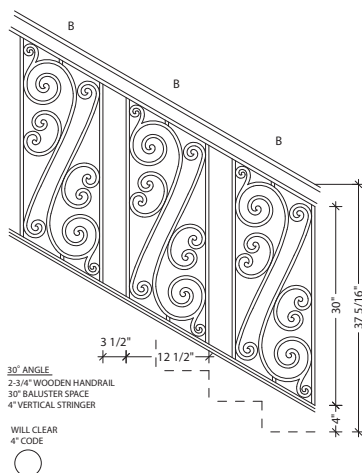
Verona: Panels 1/2" square and side bars 3/4" square tube



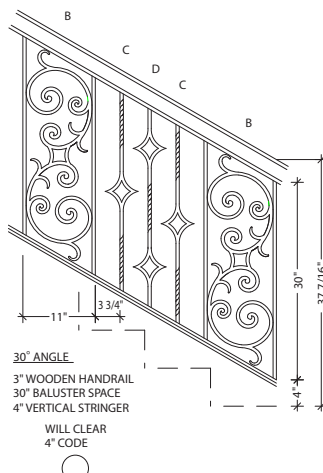
Milano: Panels 1/2" square and side bars 3/4" square tube



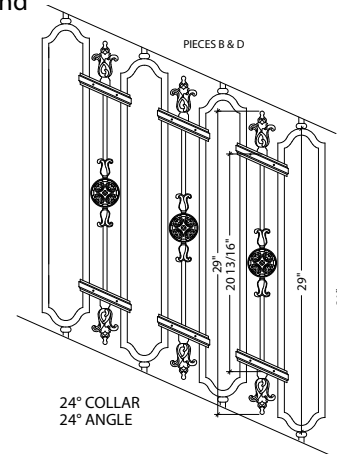
Geno: 1/2" square



Seville: 1/2" square

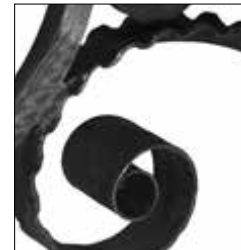
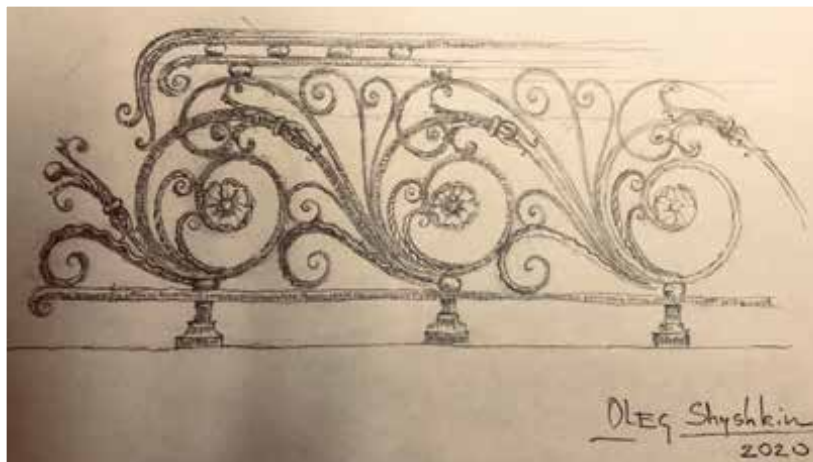


Windsor: II Bar size varies depending upon piece either 5/8" square or 3/8" round



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANEL



About the Artist Oleg Shyshkin.

Oleg Shyshkin is the owner of "Wrought Irony Art Ltd.", Canada.

Shyshkin has extensive experience as an architect, interior designer and artist in his homeland, Ukraine, in Russia and Moldova. Early in his career, Shyshkin had been fascinated by artistic blacksmiths. He believed no other technique could transform lines into art as well as wrought iron.

Shyshkin imported old European traditions of artistic forging to North America. Blending his love of French Art-Nouveau and Art-Deco, he created a personal style that is unmistakably his own.

He creates the designs himself; from preliminary sketches to architectural working drawings; and does most of the fabrication as well. Every work is one-of-a-kind, confirming Shyshkin's originality.

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



GD0014

8-3/4" W x 29-15/16" H
matl. size 5/8" x 5/16"



GD0013

10-3/16" W x 37-7/16" H
matl. size 5/8" x 5/16"



GD0009

9-9/16" W x 29-5/16" H
matl. size 5/8" x 5/16"



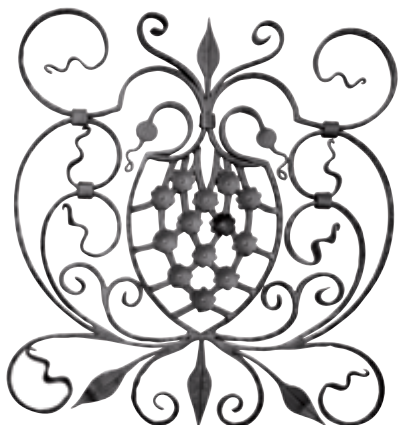
GD0008

9-9/16" W x 37-7/16" H
matl. size 5/8" x 5/16"



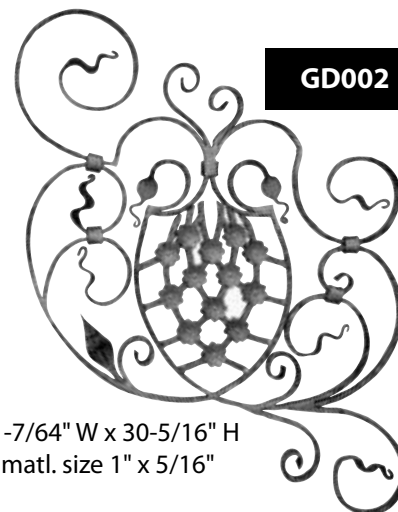
GD0020

12-39/64" W x 44-7/8" H
matl. size 5/8" x 5/16"



GD0001

31-1/2" W x 33-15/32" H
matl. size 1" x 5/16"



GD0002

31-7/64" W x 30-5/16" H
matl. size 1" x 5/16"



GD0005

55-21/64" W x 26-3/8" H
matl. size 5/8" x 5/16"



GD0004

30-5/16" W x 40-35/64" H
matl. size 5/8" x 5/16"

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



GD007

28-47/64" W x 30-5/16" H
matl. size 5/8" x 5/16"

Shown: GD007



GD006

31-1/2" W x 37-7/16" H
matl. size 5/8" x 5/16"



GD0019

25-13/64" W x 37-7/16" H
matl. size 5/8" x 5/16"



GD0012

24-1/64" W x 36-39/64" H
matl. size 5/8" x 5/16"

Shown: GD0012



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



Shown: 6-398



Shown: 6-398 & MOG86



6-398

16-1/2" W x 33-7/8" H
matl. size 5/8" x 5/16"
For straight or
balcony applications.



6-398-1

16-1/2" W x 33-7/8" H
matl. size 5/8" x 5/16"
For staircase
applications.



16x8mm
5/8"x5/16"

MOG86



GD223/1

10-13/16" W x 39-3/8" H
matl. size 9/16" x 5/16"



GD222/2

19-11/16" W x 39-3/8" H
matl. size 9/16" x 5/16"



GD151/1

9/16" sq.
8-3/32" W x
39-3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

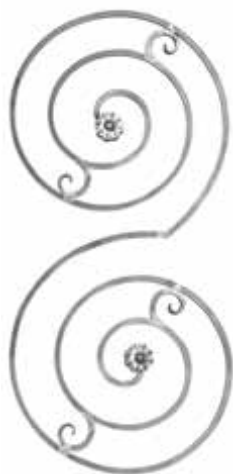
ORNAMENTAL FORGED SCROLL PANELS



1039/1

22-7/16" W x 30" H
9/16" sq.

Shown: 1039/1



1038/1

20-25/32" W x 42-1/2" H
9/16" sq.



1038/2

20" W x 22-1/32" H
9/16" sq.



GD286/1

26-3/8" W x 31-5/16" H
9/16" sq.



GD0042

59-13/16" W x 33-7/8" H
5/8" sq.



Shown: GD0041



GD0041

47-1/4" W x 33-7/8" H
5/8" sq.

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



7-110/S

29-17/32" W x 23-5/8" H
matl. sizes 1/2" Ø & 3/8" Ø



7-113/S

20-15/32" W x 19-11/16" H
matl. sizes 1/2" Ø & 3/8" Ø



6-340/S

37-3/4" W x 29-1/2" H
1/2" sq.



7-110/D

29-17/32" W x 23-5/8" H
matl. sizes 1/2" Ø & 3/8" Ø



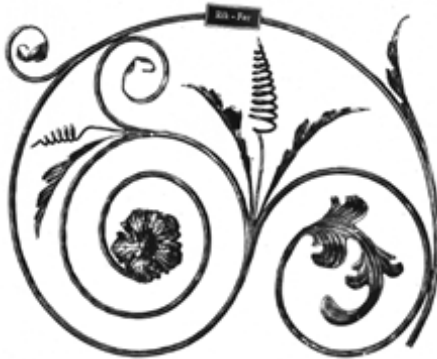
7-113/D

20-15/32" W x 19-11/16" H
matl. sizes 1/2" Ø & 3/8" Ø



6-340/D

37-3/4" W x 29-1/2" H
1/2" sq.

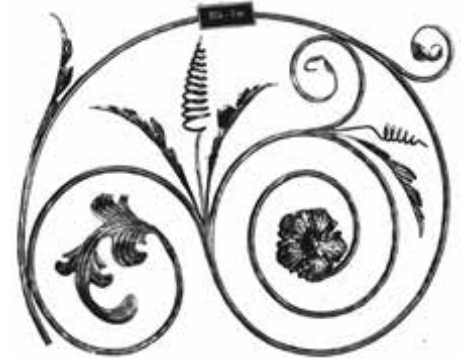


7-111/S

29-17/32" W x 21-5/8" H
matl. sizes 1/2" Ø & 3/8" Ø



Shown: 7-111/S and 7-111/D



7-111/D

29-17/32" W x 21-5/8" H
matl. sizes 1/2" Ø & 3/8" Ø

ALL DIMENSIONS ARE APPROXIMATE.

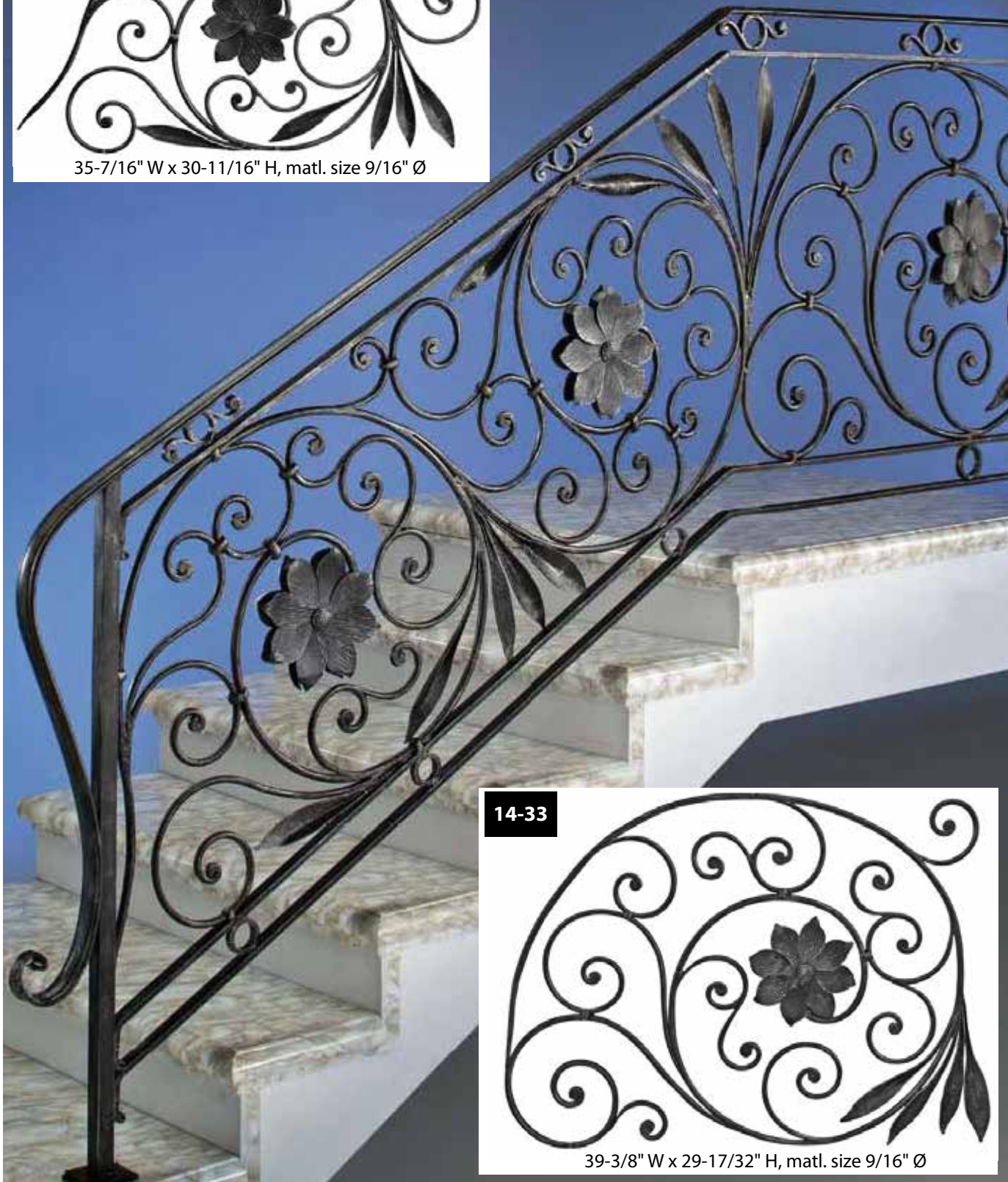
ORNAMENTAL FORGED SCROLL PANELS

14-31

Design 14-32



35-7/16" W x 30-11/16" H, matl. size 9/16" Ø



14-33



39-3/8" W x 29-17/32" H, matl. size 9/16" Ø

ALL DIMENSIONS ARE APPROXIMATE.

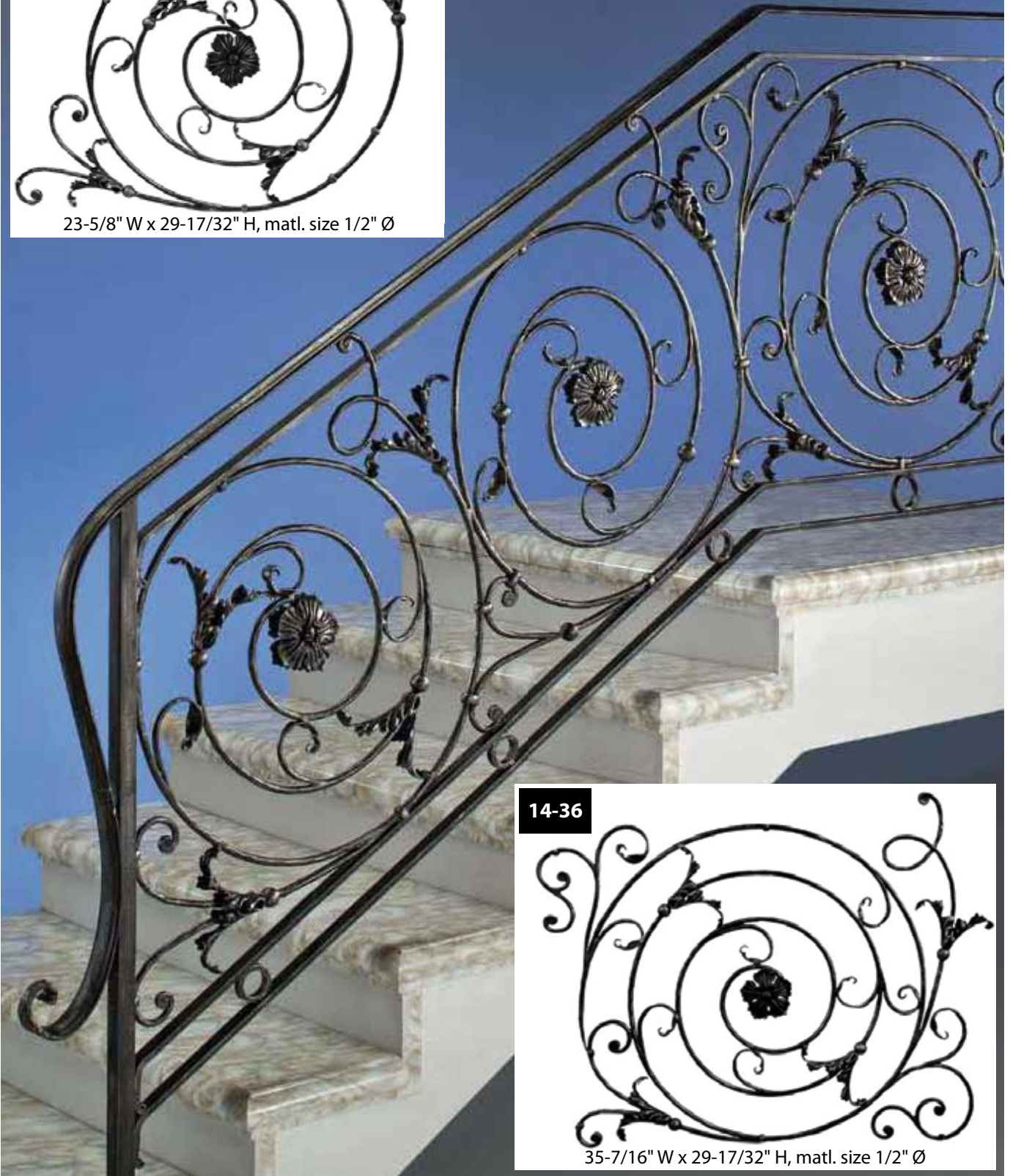
ORNAMENTAL FORGED SCROLL PANELS

14-34



23-5/8" W x 29-17/32" H, matl. size 1/2" Ø

Design 14-35



14-36



35-7/16" W x 29-17/32" H, matl. size 1/2" Ø

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS

14-48



30-11/16" W x 29-17/32" H, matl. size 1/2" Ø

Design 14-49



14-50



35-7/16" W x 29-17/32" H, matl. size 1/2" Ø

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



20-46

35-7/16" W x 35-7/16" H
matl. size 1-3/16" x 3/8"



20-33

11-13/16" W x 43-5/16" H
matl. size 1-3/16" x 1"



Shown: 20-46,
20-33 & 20-47

Shown: 20-37



20-47

35-7/16" W x 35-7/16" H
matl. size 1-3/16" x 3/8"



20-32

29-3/8" W x 35-7/16" H
matl. size 5/8" x 5/16"



Shown: 20-32 and 20-33

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



7-108/S

23-5/8" W x 31-1/2" H
matl. size 1/2" Ø



7-108/D

23-5/8" W x 31-1/2" H
matl. size 1/2" Ø



Design 1087/1



7-109/S

19-11/16" W x 34-5/8" H
matl. size 1/2" Ø



7-109/D

19-11/16" W x 34-5/8" H
matl. size 1/2" Ø



Shown: 7-109/S and 7-109/D

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



719/2

25-3/16" W x 27-15/16" H
matl. size 5/8" x 5/16"
Single Sided.

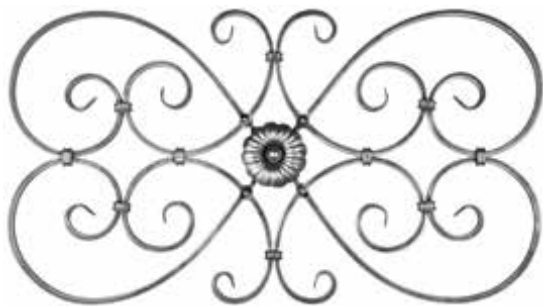


Shown: 719/2



QC-19B/08

16-1/2" W x 21" H
Hammered bar.
Floral element on one side only.
matl. size 1/2" sq.
Center rosette, 116/A/5, is single sided.



40/14

32" W x 17-1/2" H, using 5/8" x 5/16" grooved.
Can be used horizontally or vertically.
Center rosette, 116/A/5, is single sided.



92/B/3

Decorative C-Scroll with leaves
13-3/4" W x 3-3-16" H
matl. size 1/2" x 1/4"



13-86

20-43/64" W x 3-5/32" H
matl. size 5/8" x 5/16" grooved



13-85

20-43/64" W x 3-5/32" H
matl. size 1/2" Ø



GD0010

26-3/16" W x 56-45/64" H
matl. size 5/8" sq.



GD0011

31-57/64" W x 41-11/32" H
matl. size 5/8" sq.



PRE032

40-5/32" W x 20-15/32" H
matl. size 3/8" sq.
Can be used horizontally or vertically. Center rosette is double sided.



1013/1

11-5/8" Ø, matl. size 1/2" Ø
Center rosette is double sided.

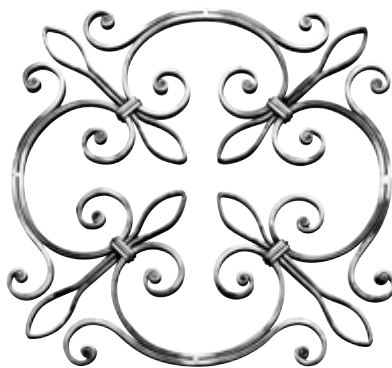
ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL FORGED SCROLL PANELS



GD151/2

30-5/16" from corner tip to corner tip
21-21/32" from side to side
matl. size 9/16" x 5/16"



1667/2

23-1/4" in diameter
matl. size 9/16" x 5/16"



40/15

26" x 26"
matl. size 1/2" sq. edge hammered bar.
Rosette is double sided.

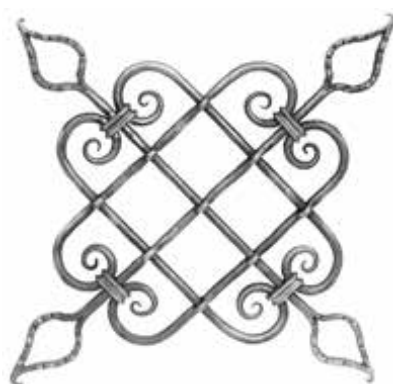


679/2

32-5/8" W x 32-5/8" H
matl. size 1/2" Ø



Shown: 679/2



679/1

18" x 18", matl. size 1/2" Ø



Shown: 679/1

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON BALUSTERS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)

All castings double faced unless otherwise specified.



8306

7½" W x 26" H



89-A

4" W x 29¾" H



89-AX

3¾" W x 30¾" H



8305

2½" W x 31¼" H



9681

4" W x 28¾" H



9682 (SBO)

4" W x 28½" H



¾" Ø ends

8300

6" W x 36" H



¾" sq. ends

38-FXL

4¼" W x 36" H



¾" ends

9640-S (SF)

4½" W x 29" H



Tapered ends

¾" sq. ends

9640-D (SF)

4½" W x 29" H



Tapered ends

¾" sq. ends

9640 (SF)

4½" W x 36" H



¾" sq. ends

621

5¾" W x 29" H

Create a unique railing design by incorporating these lovely decorative castings on your own bar.



¾" ends

38-AXL (SF)

5" W x 16" H



Tapered ends

¾" ends

38-A (SF)

5" W x 10" H



¾" ends

38-R

4¾" W x 8½" H



½" sq. ends

534C

7¼" W x 9¼" H



⅞" sq. ends

ESK912

2 ⅞" W x 3½" H



⅞" sq. ends

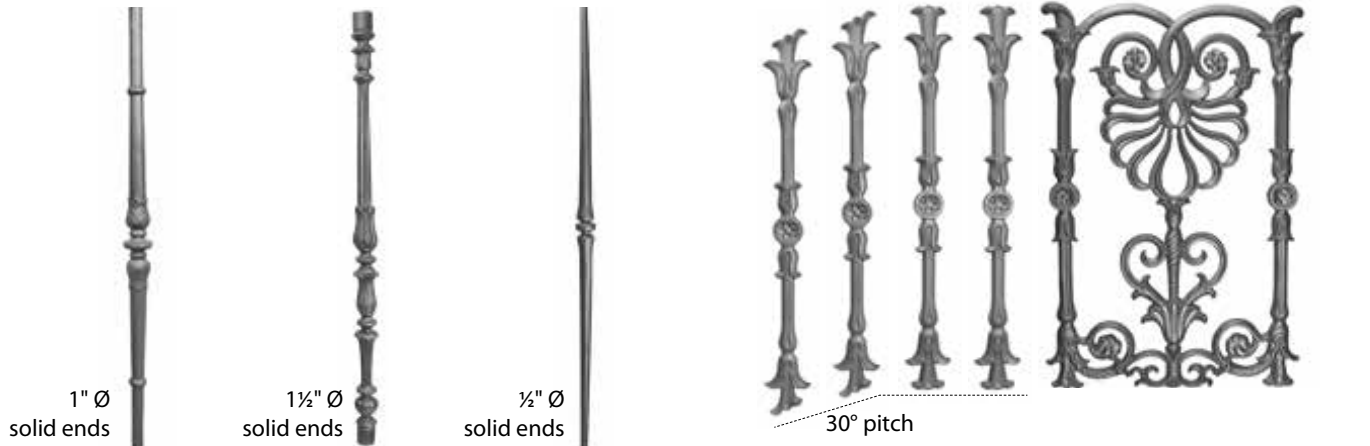
ESK922

2 ⅞" W x 3½" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON BALUSTERS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



89-BXL

2¼" W x 36" H

89-C

2" W x 36" H

89-L

1¼" W x 35¾" H

9644

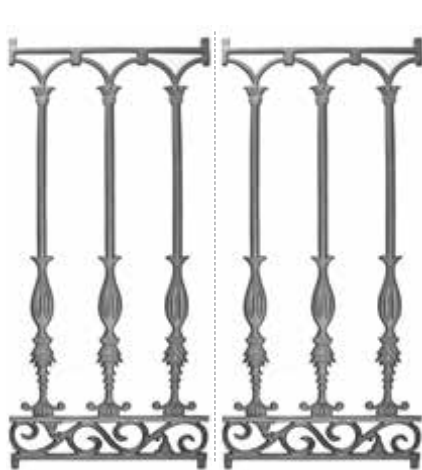
3½" W x 29" H

9643

3½" W x 28½" H

9645 (SF)

19½" W x 28½" H



8504

14" W x 30¾" H - 2 Panel Illustration



7615

4⅝" W x 27⅝" H

7614

4½" W x 27¾" H

89-B

2¼" W x 32¾" H



7618

1¼" W x 36½" H



8304

2⅝" W x 35⅝" H



9201

3¼" W x 34½" H



9202

3¼" W x 34½" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

MODERN

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



9048

18¾" W x 4¼" H



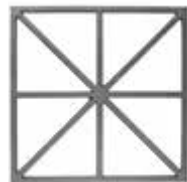
7314

14¾" W x 3¾" H



8311

12¾" W x 5¼" H



702 (SF)

14¾" W x 14¾" H



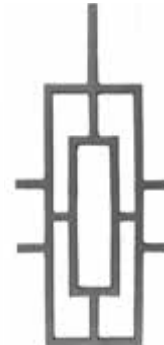
38-SQ

10¾" W x 10¾" H



38

10¾" W x 15" H



94-B

8¾" W x 18¾" H



94

8¾" W x 16" H



9006

10¾" W x 26¾" H



606

10½" W x 24" H



9007

10" W x 23" H



7379

10½" W x 21½" H



9915-LAW

9½" W x 17½" H



38-X

10¾" W x 18½" H



93

9½" W x 23¾" H



697

11" W x 27½" H



605 (SF)

8¾" W x 28¾" H



36-B

8" W x 29" H



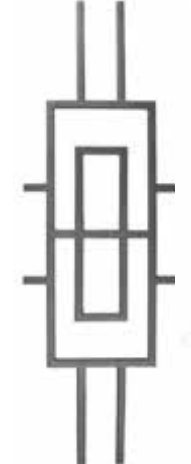
9916-LAW

11" W x 25" H



9094

10¾" W x 29¾" H



9093

10¾" W x 31¾" H



38-XL

9¾" W x 24¾" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



9627

14" W x 26½" H



9628

10¼" W x 22½" H



9607 (SF)

10" W x 26" H



9605

7½" W x 34" H



691-XL

8½" W x 31¾" H



8658 (SF)

14½" W x 26" H



693

5-1/2" W x 29-1/2" H



646

6½" W x 30" H



606-X

10¼" W x 23¾" H



8319

10" W x 26¼" H



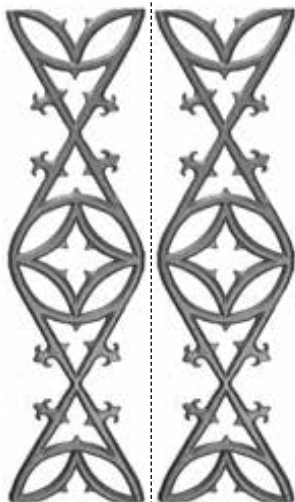
7329

10" W x 23¼" H



685-XS

13½" W x 20¼" H



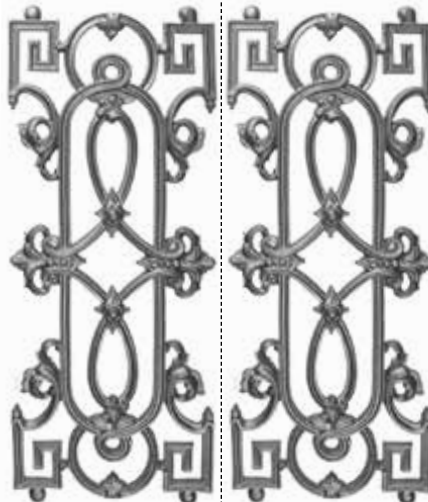
630

8" W x 30" H
2 panel illustration



610

7½" W x 28½" H
2 panel illustration



631 (SF)

11¼" W x 28½" H
2 panel illustration



685

10" W x 22½" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



634

11¼" W x 23¾" H



632

11½" W x 23¾" H



690-LAW

13¾" W x 26½" H



686 (SBO)

11¼" W x 27¼" H



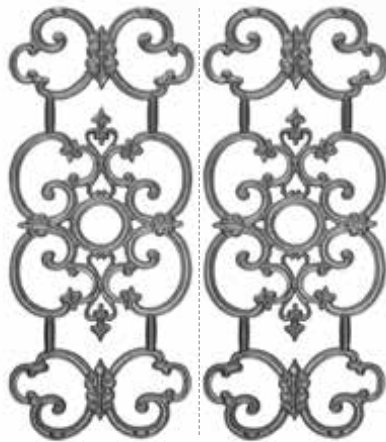
642

7½" W x 30½" H



88-XL

9½" W x 35" H



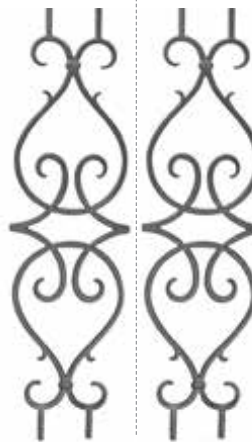
645-X

10¼" W x 26" H
2 Panel Illustration



9340

5" W x 36" H
2 Panel Illustration



88

8¼" W x 30¾" H
2 Panel Illustration



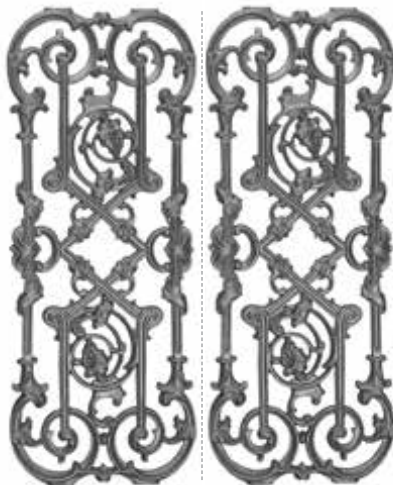
640

7¼" W x 27½" H



692 (SF)

11½" W x 29½" H



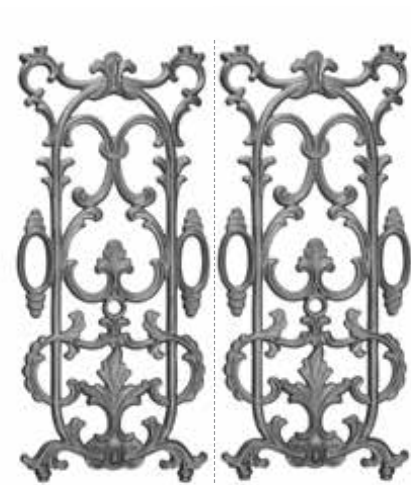
8303 (SF)

11¼" W x 28½" H
2 Panel Illustration



9365

11" W x 27½" H
2 Panel Illustration



8505

11¼" W x 25¾" H
2 Panel Illustration

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



7236

13 3/4" W x 30" H



625

9" W x 30 3/4" H



7446

6" W x 34" H



87-A

8 3/8" W x 26 3/4" H



87-AXL

8 3/4" W x 31" H



1335

8 3/4" W x 33 3/4" H



1337



691

17 1/4" W x 24" H



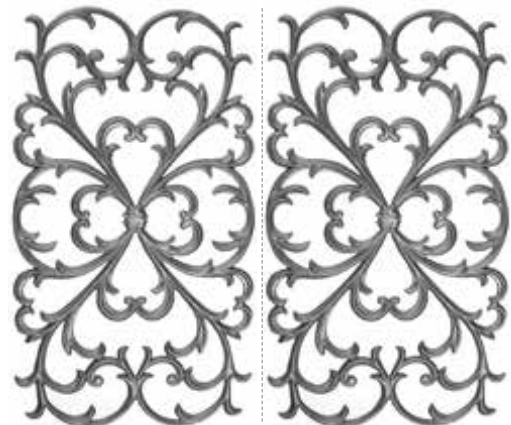
9434

14 1/2" W x 29 3/4" H



7222

15 3/4" W x 25" H



648

15 1/4" W x 27 1/2" H
2 Panel Illustration



87-F

6" W x
27 3/4" H



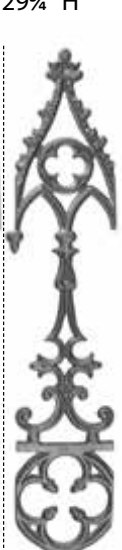
87-S

7-1/4" W x
29 1/2" H



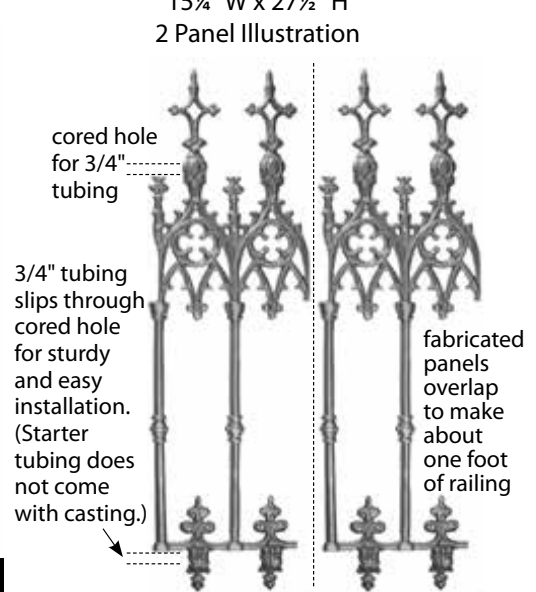
84

7" W x 31 1/2" H
2 Panel Illustration



89-XL

7" W x 30 1/2" H
2 Panel Illustration



83

11" W x 36 1/2" H

cored hole
for 3/4"
tubing

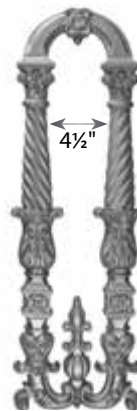
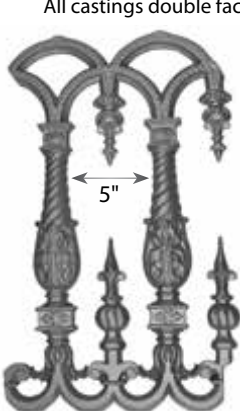
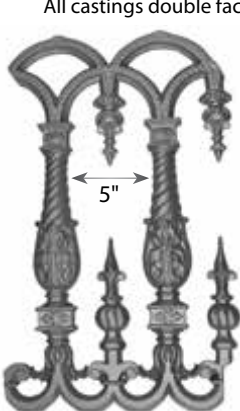
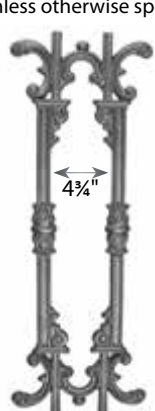
3/4" tubing
slips through
cored hole
for sturdy
and easy
installation.
(Starter
tubing does
not come
with casting.)

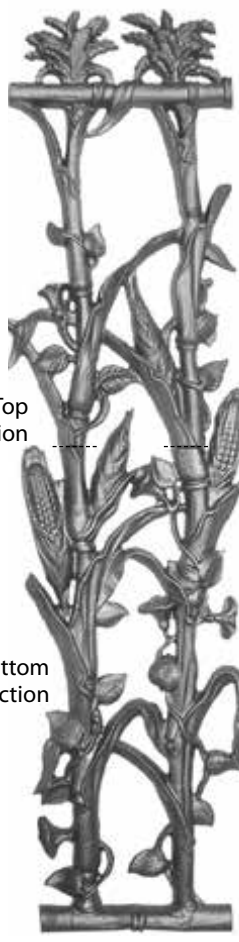
fabricated
panels
overlap
to make
about
one foot
of railing

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.

 8503 is 1 1/4" thick	 8503-XL is 2 1/4" thick				
8503 (SBO)	8503-XL	8363-R (SBO)	8531 (SBO)	9634	864
9 1/2" W x 28 3/4" H	9 1/2" W x 28 3/4" H	18" W x 30 3/4" H	11" W x 29" H	12 1/2" W x 26 3/4" H	16 3/4" W x 28 1/2" H

			 Top section Bottom section	 Cored for 1" sq.
9615	689-XL	9616 (SBO)	866 (SBO)	8508
9 3/8" W x 33 3/4" H	7 1/4" W x 30" H	7 1/2" W x 28 1/2" H	15" W x 54" H	6" W x 26 3/4" H 2 Panel Illustration

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



9609

6¼" W x 27½" H



9612

6¾" W x 27¼" H



8956 (SF)

9" W x 27" H



9620

5¼" W x 25½" H



9606 (SBO)

8¾" W x 28¾" H



9608

7" W x 33¾" H



8516

7¾" W x 33¾" H



9618 (SBO)

12" W x 29" H



9638 (SBO)

11½" W x 26¼" H



9611 (SBO)

11¾" W x 28¾" H



9632 (SBO)

11¾" W x 29" H



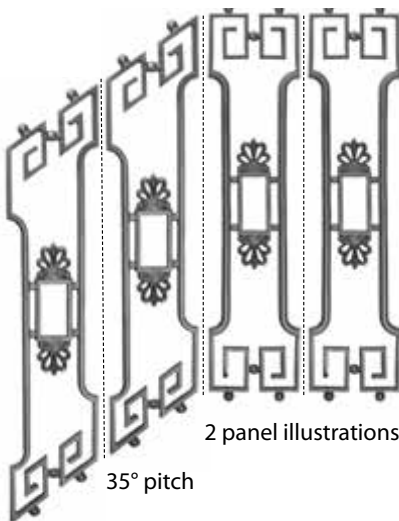
9610 (SBO)

9¼" W x 29½" H



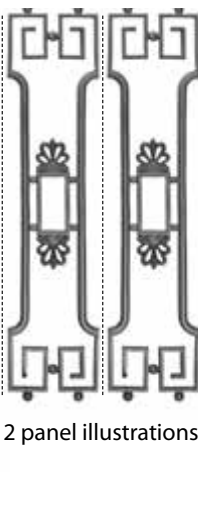
8309

7" W x 33¾" H



7463

6¾" W x
31½" H



7462

6¾" W x
28½" H



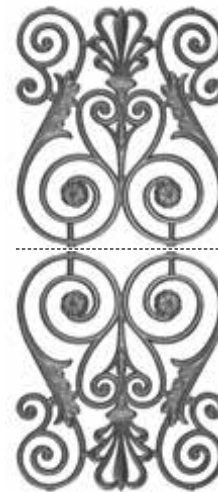
9450

5½" W x 32½" H



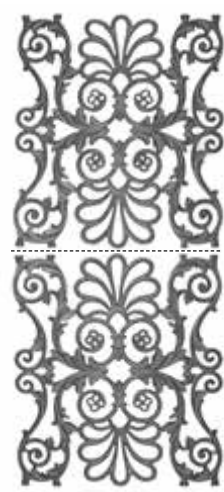
9358

8" W x 36" H



7515

20" W x 22¾" H
2 Panel Illustration



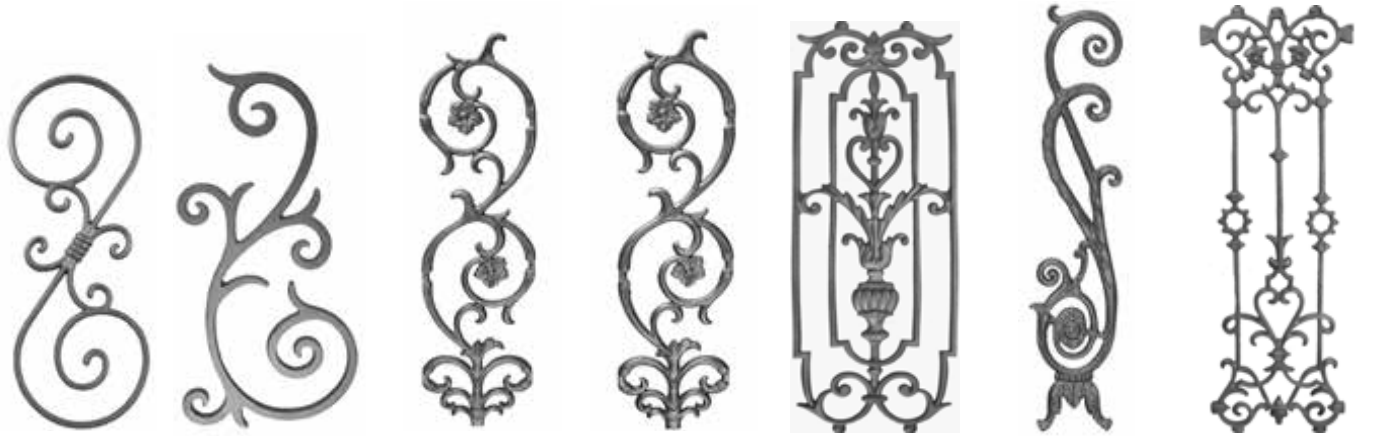
8502

19" W x 21" H
2 Panel Illustration

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



8507

696-XS

96-F

9046

9626

7461

9619

5¼" W x 15" H

9½" W x 19" H

6¾" W x 24½" H

7½" W x 25½" H

10¼" W x 29" H

6½" W x 30¼" H

11" W x 35" H



623

9637

624-XL (SF)

9647

9063

9047

11½" W x 26" H

11½" W x 34¼" H

10" W x 31" H

11¼" W x 26½" H

7¾" W x 28" H

7¾" W x 30" H



9601 (SF)

9604

9603

9602

696 (SF)

694 (SF)

91 (SF)

6¾" W x 32" H

8¼" W x 27¾" H

8¼" W x 27" H

8¾" W x 32¼" H

9" W x 31½" H

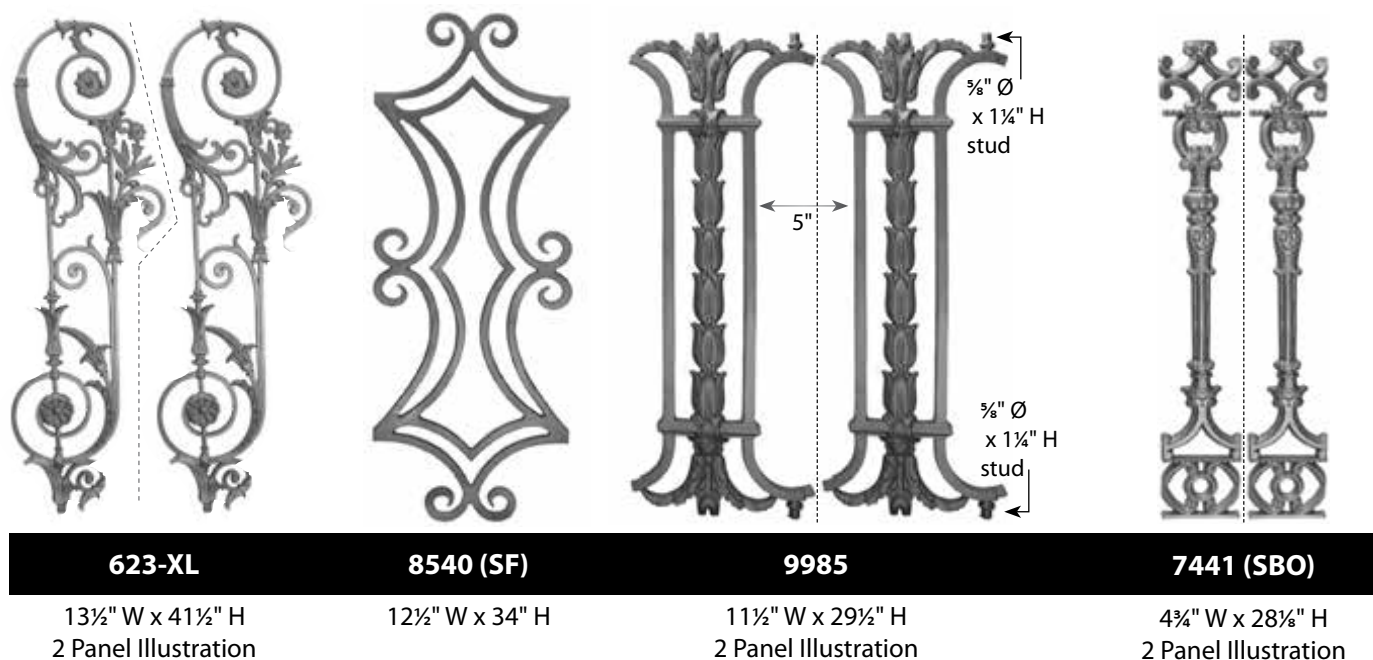
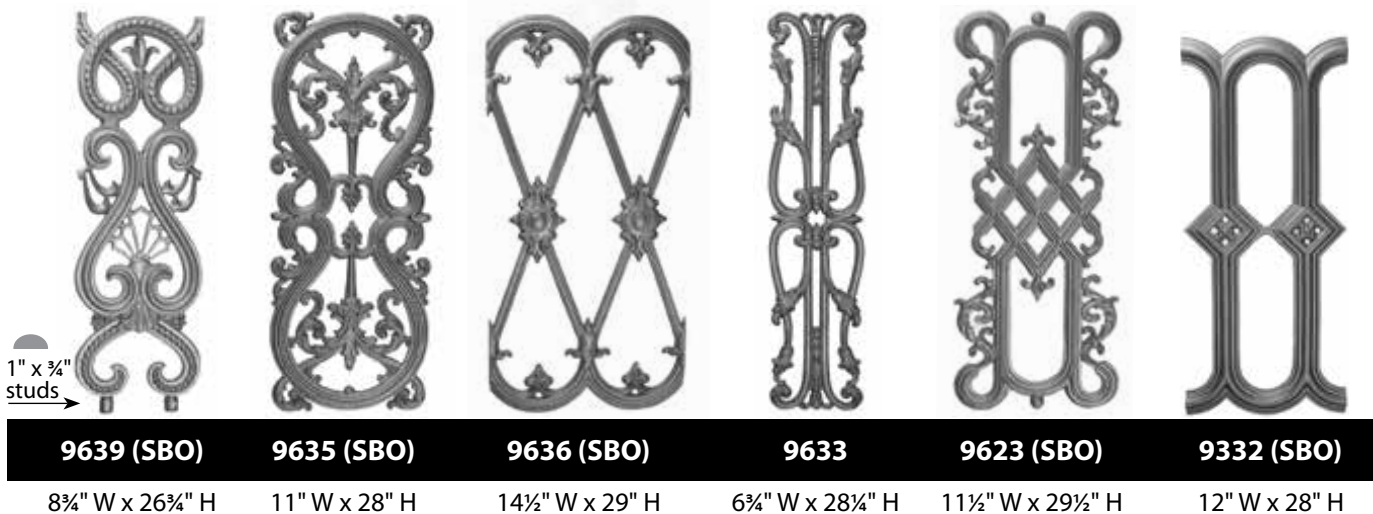
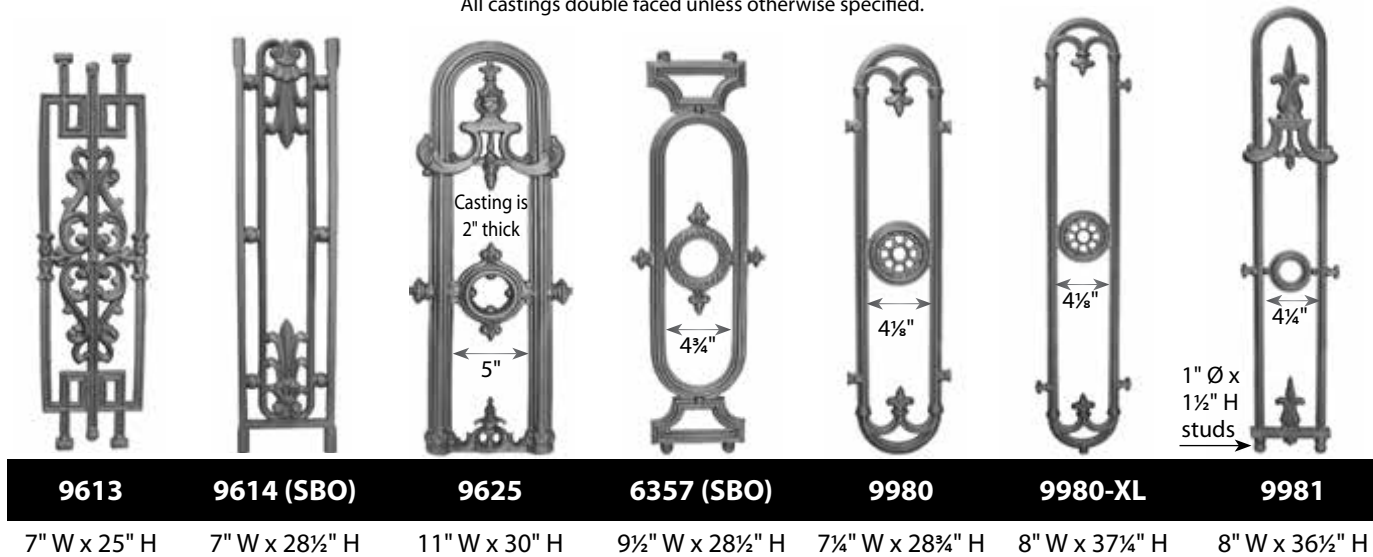
6¼" W x 28¾" H

8" W x 27½" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



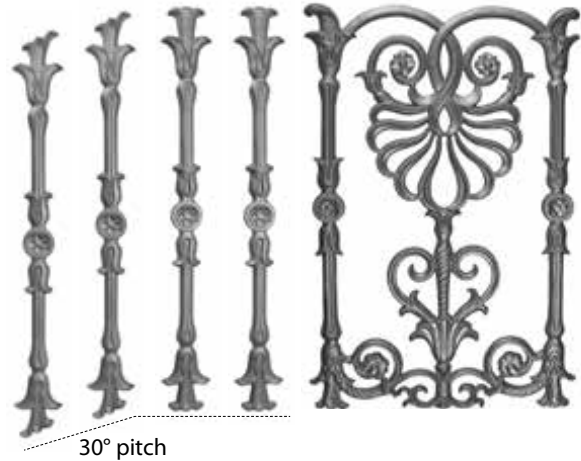
9336

13½" W x 27¼" H



9987 (SF)

15¾" W x 30" H



9644

3½" W x 29" H

9643

3½" W x 28½" H

9645 (SF)

19½" W x 28½" H



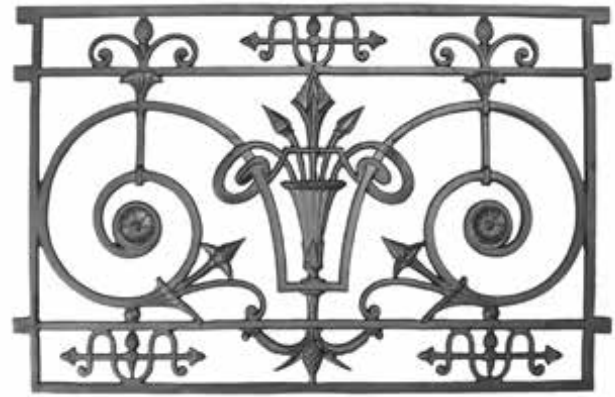
9082 (SF)

15½" W x 27" H



7519

18" W x 26½" H



8660

39½" W x 24¾" H

Top
7¾" W



8810

9½" W x 25¾" H

Bottom
9½" W



8657

32¾" W x 25½" H



9930 (SF)

25¾" W x 19¾" H

ALL DIMENSIONS ARE APPROXIMATE.



ARCHITECTURAL
IRON DESIGNS, INC.

— YOUR IMAGINATION, FORGED HERE —

ORNAMENTAL METALS



- 140-141** Post Tops by Grande Forge
- 142** Steel Railheads & Post Tops
- 143** Post Tops & Plugs
- 144-147** Cast Iron Spears, Finials & Plugs
- 148-150** Picket Collars for Round & Square Bar
- 151-157** Shoes, Base Plates & Flanges
- 158** Forged Cross Bars
- 159-163** Rosettes & Quatrefoils
- 164** Greek Key Castings
- 165-166** Forged Steel Scrolls
- 167-173** Leaves, Roses & Grapes
- 174-175** Balls, Circles & Ovals
- 176-178** Cages & Other Decorative Elements
- 179-181** Home Decor Collection
- 182** Flower Panels
- 183-184** Double Faced Steel Castings
- 185** Ornamental Cast Iron Panels & Brackets
- 186** Ornamental Iron Valances & Inserts
- 187-188** Ornamental Iron Picket Castings
- 189** Decorative Circles & Washers/Grates, Vents & Grilles
- 190** Furniture Legs
- 191-201** Ornamental Iron Castings
- 202-203** Ornamental Iron Crowns & Top Scrolls
- 204** Gate Frame Ends & Shaped Gate Frame Tops
- 205-210** Readymade Gates by RikFer



ORNAMENTAL
METALS

T: 908.757.2323 • F: 908.757.3439
AISALES@ARCHIRONDESIGN.COM
ARCHIRONDESIGN.COM/ORNAMENTALMETALS

POST TOPS BY GRANDE FORGE

All measurements height x width.

Finials come with polished and lacquered brass base or 24-carat gilded and lacquered "G". **Equipped with an M10 threaded rod.** Items for indoor use only.

ALSO AVAILABLE IN THESE FINISHES*



TBL30*

5-1/2" x 4" Ø
2-1/8" Ø base

TBL 30 / TBL 30 G

This gleaming crystal sphere makes for a genuine heirloom. Of an exceptional lead content (30 %).



TBL40*

5-1/2" x 4" Ø
2-1/8" Ø base

TBL 40 / TBL 40 G

Solid lead-crystal (24%) sphere hand-made, with dull cutted parts.



TBL12*

5-1/2" x 4" Ø
2-1/8" Ø base

TBL 12 / TBL 12 G

Hand cut lead-crystal sphere.



TBL10*

4-3/4" x 3-1/2" Ø
2-1/8" Ø base

TBL 10 / TBL 10 G

Mouthblown lead crystal globe, "crackled" effect.



TBL37*

5-1/4" x 4" Ø
2-1/8" Ø base

TBL 37 / TBL 37 G

Glass blown by STEINMETZ



TBL20*

5-1/2" x 4" Ø
2-1/8" Ø base



AMETHYSTE

TBL57*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



RED JASPER

TBL56*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



TOPAZ

TBL35*

5-5/8" x 3-7/8" Ø
2-1/8" Ø base



AMBER

TBL36*

5-1/4" x 3-11/16" Ø
2-1/8" Ø base

TBL 35 / TBL 35 G - TBL 36 / TBL 36 G

Glass blown by STEINMETZ



ONYX GREEN (vert)

TBL53-GO*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



LABRADORITE

TBL53-LA*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



TIGER EYE

TBL53-TE*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



ONYX GREEN (vert)

TBL53*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



ONYX BROWN (brun)

TBL54

5-1/2" x 4" Ø
2-1/8" Ø base

ALL DIMENSIONS ARE APPROXIMATE.

POST TOPS BY GRANDE FORGE

ALSO AVAILABLE IN THESE FINISHES*



All measurements height x width.

Finials come with polished and lacquered brass base or 24-carat gilded and lacquered "G". **Equipped with an M10 threaded rod.** Items for indoor use only.



TCARB-G*

4-3/4" x 3-1/2" Ø
2-1/8" Ø base



TBL70*

5-1/4" x 4" Ø
2-1/8" Ø base



MALACHITE MOSAIC

TBL60*

5-1/4" x 3-3/4" Ø
2-1/8" Ø base



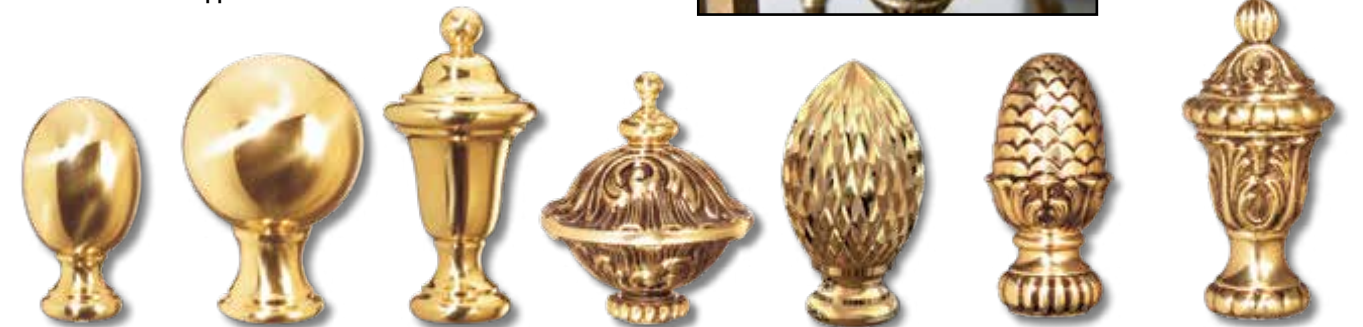
Base of finial showing M10 hole.
Grande Forge finials are supplied with the threaded rod.



ALSO AVAILABLE IN THESE FINISHES*



All finials below are supplied with M10 Threaded Rod



TBL2*

3-3/4" x 2"
1-3/8" Ø base

TBL6*

4-1/2" x 3-1/8"
1-7/8" Ø base

TBL7*

5-1/2" x 2-3/4"
1-7/8" Ø base

TBL5*

4-5/16" x 4" Ø
1-9/16" Ø base

TBL8*

5-5/8" x 3" Ø
1-15/16" Ø base

TBL3*

4-15/16" x 2-1/16"
2" Ø base

TBL9*

5-3/8" x 2-3/4"
1-13/16" Ø base

ALL DIMENSIONS ARE APPROXIMATE.

Brass finials. Delivered "Antique Bronze" hand-patinated and lacquered.

STEEL RAILHEADS AND POST TOPS

Item has 3/8" threaded hole

All measurements height x width.



3526

6" x 2 1/4"
1 3/4" sq. base



1-165

11 1/16" x 4 3/4"
1 1/8" Ø base



1-64

9 1/16" x 8 1/4"
2 3/8" Ø base



80/7

4 3/4" x 1 1/4"
3/4" sq. base



80/5

6 3/8" x 1 1/2"
1 1/4" sq. base



80/6

7 1/2" x 2"
1 1/2" sq. base



80/8

3" x 1 3/4"
3/4" Ø base



82/5

5" x 2 3/8"
1 5/16" Ø base



81/1

7 1/2" x 3 9/16"
3/4" Ø base



81/2

6 3/16" x 2 3/4"
5/8" Ø base



81/3

5 1/4" x 2 3/8"
1/2" Ø base



1-220

5 1/2" high
1/2" sq. base



1-220-2

5 1/2" high
5/8" sq. base



1-220-4

5 1/2" high
3/4" sq. base



1-220-5

5 1/2" high
1" sq. base



82/4

5" x 2 3/4"
3/4" Ø base

These ball finials are hand forged. No two will look alike.



SF0250300

3 3/8" (85mm)
2 3/16" Ø (55mm) base



SF0250310

3" (75mm)
2 3/16" Ø (55mm) base



SF0250320

2 3/16" (55mm)
1 3/4" Ø (45mm) base



SF0250325

2" (50mm)
1 1/2" Ø (37mm) base



SF0250330

1 3/4" (45mm)
1 3/16" Ø (30mm) base



1-319

2-3/16" x 1-7/16"



83/11

8 1/4" x 4 3/8"
1 1/4" Ø base



82/10

6 3/16" x 3 1/2"
1 1/4" sq. base



82/9

4 3/4" x 2 7/16"
1" sq. base



81/5

5 1/2" x 2"
3/4" base



81/6

5" x 1 1/2"
5/8" base



81/7

3 1/2" x 1"
1/2" base



17/10

6" x 1 3/4"
3/4" base



84/3

6 3/8" x 1"
1" sq. base



83/5

9 1/8" x 3 1/4"
2" base
1 1/16" sq. stem



83/10

8 5/8" x 3 1/4"
2" Ø base



82/7

8 1/4" x 2 7/16"
1 1/2" Ø base



87/2

3 1/4" x 1 1/2"
1 1/4" Ø base



87/3

4" x 2"
2" Ø base



82/2

5 1/2" x 2 3/8"
1 1/4" Ø base



87/4

3 1/2" x 2"
2" Ø base



87/5

7 1/4" x 4"
4" Ø base

ALL DIMENSIONS ARE APPROXIMATE.

POST TOPS AND PLUGS

CAST STEEL STARTING POST FINIALS

Not suitable for hot dip galvanizing.
All have M10 threaded hole



ONYX

FOT13

2¾" W x 5⅜" H
1⅜" base

TB200

3⅛" W x 4¾" H
2" base

TP54

3¾" W x 5¼" H
2⅜" base

TB300

4⅝" W x 6⅞" H
2⅝" base

PRESSED POST CAPS



TUBE SIZE	STEEL 19 Ga.	GALVANIZED STEEL 20 Ga.	ALUMINUM 18 Ga.	BRASS 18 Ga.	COPPER 18 Ga.
5/8"	SPC-0058	GPC-0058	APC-0058	BPC-0058	CPC-0058
3/4"	SPC-0075	GPC-0075	APC-0075	BPC-0075	CPC-0075
1"	SPC-0100	GPC-0100	APC-0100	BPC-0100	CPC-0100
1-1/4"	SPC-0125	GPC-0125	APC-0125	BPC-0125	CPC-0125
1-1/2"	SPC-0150	GPC-0150	APC-0150	BPC-0150	CPC-0150
2"	SPC-0200	GPC-0200	APC-0200	BPC-0200	CPC-0200
2-1/2"	SPC-0250	GPC-0250	APC-0250	BPC-0250	CPC-0250
3"	SPC-0300	GPC-0300	APC-0300	BPC-0300	CPC-0300
4"	SPC-0400	GPC-0400	APC-0400	BPC-0400	CPC-0400
6"	SPC-0600	GPC-0600	APC-0600	BPC-0600	CPC-0600
8"	SPC-0800	GPC-0800	APC-0800	BPC-0800	CPC-0800

CAST IRON BALL CAPS



108 - fits over 1"	1¼" W x 2½" H	1⅝" ball
109 - fits over 1¼"	1¾" W x 2¾" H	1¾" ball
110 - fits over 1½"	2" W x 2⅞" H	1¾" ball
118 - fits over 2"	2½" W x 3¾" H	1¾" ball
121 - fits over 2½"	3" W x 4¼" H	2" ball
120 - fits over 3"	3½" W x 4¾" H	2¼" ball
119 - fits over 4"	4⅝" W x 5½" H	2¾" ball
816 - fits over 6"	6½" W x 7½" H	3¾" ball

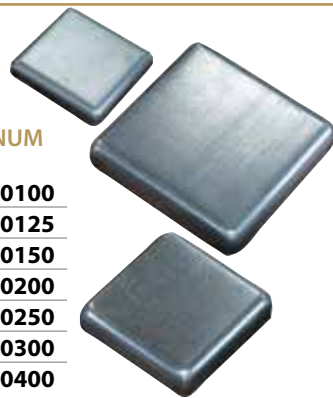
CAST IRON PYRAMID CAPS



805 - fits over 1"	1" H
806 - fits over 1½"	1" H
807 - fits over 2"	1¼" H
808 - fits over 3"	1½" H
809 - fits over 4"	1½" H
815 - fits over 5"	1¾" H
811 - fits over 6"	1½" H
814 - fits over 8½"	2½" H

PRESSED FLAT TOP POST CAPS

TUBE SIZE	STEEL 19 Ga.	ALUMINUM 18 Ga.
1"	SPC-620100	APC-620100
1-1/4"	SPC-620125	APC-620125
1-1/2"	SPC-620150	APC-620150
2"	SPC-620200	APC-620200
2-1/2"	SPC-620250	APC-620250
3"	SPC-620300	APC-620300
4"	SPC-620400	APC-620400



CAST IRON PINEAPPLE POST CAPS



1400 - fits over 1"	1¾" W x 3" H
1401 - fits over 1½"	2" W x 3½" H
1402 - fits over 2"	2⅞" W x 4⅝" H
1403 - fits over 3"	3⅝" W x 6" H
1404 - fits over 4"	4⅝" W x 7¼" H

STEEL POST COVERS



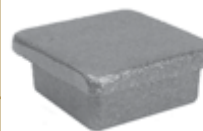
12-100-3 - fits over 3¼"
12-100-2 - fits over 4"
12-100 - fits over 6"

CAST IRON BALL CAPS FOR SCH. 40 PIPE



BC114 - 2" W x 2¾" H	for 1¼" pipe
BC112 - 2¾" W x 3⅝" H	for 1½" pipe

CAST IRON PLUGS



8611 - fits in 2" sq.	¾" H, plug
8613 - fits in 1½" sq.	⅞" H, 11 Ga. plug



116
fits in 1" sq.
1" H



113 - fits in 1" sq.
1⅜" H
114 - fits in 1¼" sq.
1⅜" H

PLASTIC PLUGS



PC20 - For 7/8" tube
PC25 - For 1" tube
PC30 - For 1-3/16" tube
PC40 - For 1-1/2" tube
PC50 - For 2" tube
PC100 - For 4" tube

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON SPEARS AND FINIALS

FITS OVER 1/2" SQUARE



8602

2" W x 5 3/8" H



8604

1 1/8" W x 4" H



9319

2 1/8" W x 4" H



656

3 1/2" W x 5 1/4" H



656-S

3 3/8" W x 5 1/4" H



853

2 1/2" W x 4 3/8" H



659

3 3/4" W x 5" H



667

2 1/4" W x 4 1/2" H



667-XS

2 1/4" W x 4" H



812

1" W x 2" H



655-A

3 1/2" W x 6 1/2" H



9-A

1" W x 4 3/8" H



9-X

1" W x 4 1/4" H



9-XS

1" W x 3 1/2" H



848

4" W x 7 3/4" H



649

2 1/4" W x 4 3/8" H



649-XS

2" W x 4" H



8832

2 5/8" W x 4 3/8" H



666

2 3/4" W x 6" H



8821

2 1/2" W x 4" H

FITS OVER 1/2" Ø



8603

2" W x 4 1/4" H



8113

1 1/8" W x 3 1/2" H



8114

1 1/4" W x 2 1/2" H



8115

1 1/4" W x 2" H



8116

3 3/4" W x 4 3/8" H



8117

2 5/8" W x 4 3/4" H



651

4" W x 5 1/4" H



9-R

1 3/4" W x 4 1/4" H



9-RS

1 3/8" W x 3 3/8" H



9511

2" W x 6 1/2" H



647

2 1/4" W x 5" H

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON SPEARS AND FINIALS

FITS OVER 5/8" SQUARE



668-H

3" W x 7¼" H



9-XS-5/8

1⅞" W x 4⅞" H



649-H

2⅞" W x 4¾" H



9-H

1⅞" W x 4⅞" H



656-H

3½" W x 6" H



659-H

3¼" W x 5" H



840

2¼" W x 5" H



853-H

3" W x 5½" H



7009

2¾" W x 5¾" H



8111

1¼" W x 4½" H



8858

3" W x 5" H



656-HS

3⅞" W x 5⅝" H



8832-H

3" W x 5" H

FITS OVER 3/4" SQUARE



9-Y

1⅞" W x 6" H



668-Y

3" W x 7¼" H



9-XS-3/4

1¼" W x 4¾" H



649-Y

2¾" W x 5½" H



656-Y

4¼" W x 7" H



659-Y-S

4-3/4" W x 3" H



659-Y

4" W x 6¼" H



671-AF

2" W x 5" H



834

1¼" W x 2¼" H



853-Y

3¼" W x 6⅞" H



8834

4" W x 6" H



670-Y

3⅞" W x 6" H



9541

1" W x 4⅞" H



9320

5¾" W x 11" H



8934

2¾" W x 9½" H



840-Y

2" W x 5" H



8832-Y

3⅞" W x 6⅞" H



888-YSQ

2½" W x 6" H



656-YS

3½" W x 5¼" H



8804

3½" W x 6¼" H

fits over
¾"

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON FINIALS AND PLUGS

FITS OVER 3/4" Ø



9-RXL

2½" W x 5" H



668-R

3" W x 7¾" H



888-Y

2¾" W x 6¾" H

FITS OVER 1" SQUARE



662

2¾" W x 8" H



664

4¼" W x 10" H



669

2¼" W x 8" H



810

1½" W x 2¼" H



9516

2¾" W x 5¾" H



861-Z

3¾" W x 6¼" H



657-ZR

3" W x 5¾" H



8280

2¾" W x 7½" H



8802

5½" W x 9½" H



9-Z

2⅞" W x 8" H



671-XL

2¼" W x 8" H



8832-Z

4½" W x 7¾" H



649-Z

3⅞" W x 6⅞" H



853-Z

4¼" W x 8½" H



FITS OVER SQUARE BAR



8111-XL

2" W x 9" H
fits over 1¼" sq.



9-XL

2" W x 6" H
fits over 1¼" sq.



9352

2⅞" W x 5" H
fits over 2" sq.



657-L

4½" W x 8¾" H
fits over 1¼" Ø



657-Z

4" W x 6" H
fits over 2½" Ø

HOLLOW
fits over

1¾"

HOLLOW
4" base fits
flat or over

2½"

PLUGS FIT IN SQUARE TUBE



670-CF

4¼" W x 7" H
1⅝" deep plug
fits in 1" sq.



117

1¼" W x 3¼" H
1¼" deep plug
fits in 1" sq.



649-X

2¼" W x 4½" H
¾" deep plug
fits in 1" sq.



661

1½" W x 4½" H
1" deep plug
fits in 1" sq.



7-X

1⅝" W x 2¼" H
¾" deep plug
fits in 1" sq.



9-J

2" W x 4¼" H
¾" deep plug
fits in 1" sq.



8910

1⅝" W x 4" H
⅝" deep plug
fits in 1" sq.

ALL DIMENSIONS ARE APPROXIMATE.

CAST IRON FINIALS WITH SOLID BASE



844

2¼" W x 5½" H
solid ½" sq. base



846

1⅝" W x 6" H
solid ¾" Ø base



9671

2⅝" W x 9⅝" H
solid ⅞" Ø base



8806

1¼" W x 5¼" H
solid 1" Ø base



657-XS

1¼" W x 2¼" H
solid 1" Ø base



8-X

1¼" W x 3" H
solid 1" sq. base



7-BALL

1¼" W x 2½" H
solid 1" sq. base



660-XL

2⅝" W x 5¼" H
solid 1⅝" Ø base



9514

1½" W x 4" H
solid 1¼" sq. base



7-A

1⅝" W x 2½" H
solid 1¼" sq. base



9

2" W x 3¾" H
solid 1½" Ø base



8-URN

1⅝" W x 4" H
solid 1½" Ø base



657-X

2¼" W x 3½" H
solid 1¼" Ø base



657-S

2½" W x 5½" H
solid 1¼" Ø base



657

2¼" W x 4¼" H
solid 1¼" Ø base



7-AXL

2" W x 3¼" H
solid 1¼" sq. base



657-M

3¼" W x 7¾" H
solid 2" Ø base



8621

4" W x 9½" H
solid 3" Ø base



9324

3¼" W x 7⅞" H
solid 3¼" sq. base



8805-FB

6" W x 9¼" H
solid 4" sq. base



657-L

4½" W x 8¾" H
solid 4" Ø base



9515

2½" W x 6⅞" H



127

2" W x 4" H



9520

6" W x 11" H



843

1½" W x 6½" H
Solid
¾" x 1¼"



9453-F

4½" W x 8" H
Solid
¾" x 1⅝"



9453-SL

4½" W x 9" H
Solid
¾" x 1¼"



9517

4" W x 5½" H
Solid
2" x 1"



9519

6" W x 14½" H
Solid
2¾" x 1½"



9522

9" W x 14" H
Solid
9" x ¾"

ALL DIMENSIONS ARE APPROXIMATE.

PICKET COLLARS FOR ROUND BAR

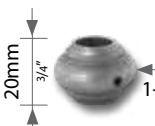
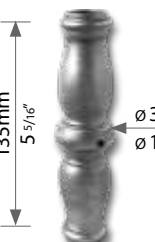
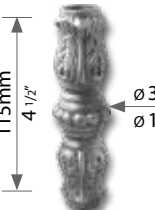
All measurements height x width.

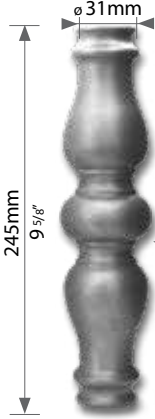
STEEL

					
89/1	89/4	89/20	89/17	89/12	89/2
1-7/8" x 2" undrilled	2-3/16" x 1-7/16" base for 3/4" Ø or 9/16" sq. for 1" Ø or 3/4" sq.	7/8" x 1-9/16" for 1/2" Ø, 5/8" Ø and 3/4" Ø	1-7/8" x 2" for 5/8" Ø and 3/4" Ø	2-1/2" x 1-7/16" for 1/2" Ø	3-1/8" x 1-15/16" for 5/8" Ø for 3/4" Ø

CAST IRON COLLARS BY GRANDE FORGE

These decorative cast iron sleeves are supplied with set screw.
NOT SUITABLE FOR HOT DIP GALVANIZING.

					
FOM116	FOM516	FOM716	FOM216	FOM416	FOM816
3/4" x 1-1/4" for 5/8" Ø	2-3/4" x 1-5/16" for 5/8" Ø	5-5/16" x 1-3/8" for 5/8" Ø	7/8" x 1-1/4" for 5/8" Ø	2-3/8" x 1-3/16" for 5/8" Ø	4-1/2" x 1-1/4" for 5/8" Ø

	
EG743	EG833
9-5/8" high for 1-3/16" Ø	11-13/16" high for 1-3/16" Ø

CAST IRON

	
CL8127	CL8587
1-5/16" x 1-1/2" for 1/2" Ø	1-7/16" x 1-5/8" for 5/8" Ø
	
CL8347	CL8117
1-1/2" x 1-15/16" for 3/4" Ø	1-7/8" x 2-1/4" for 1" Ø

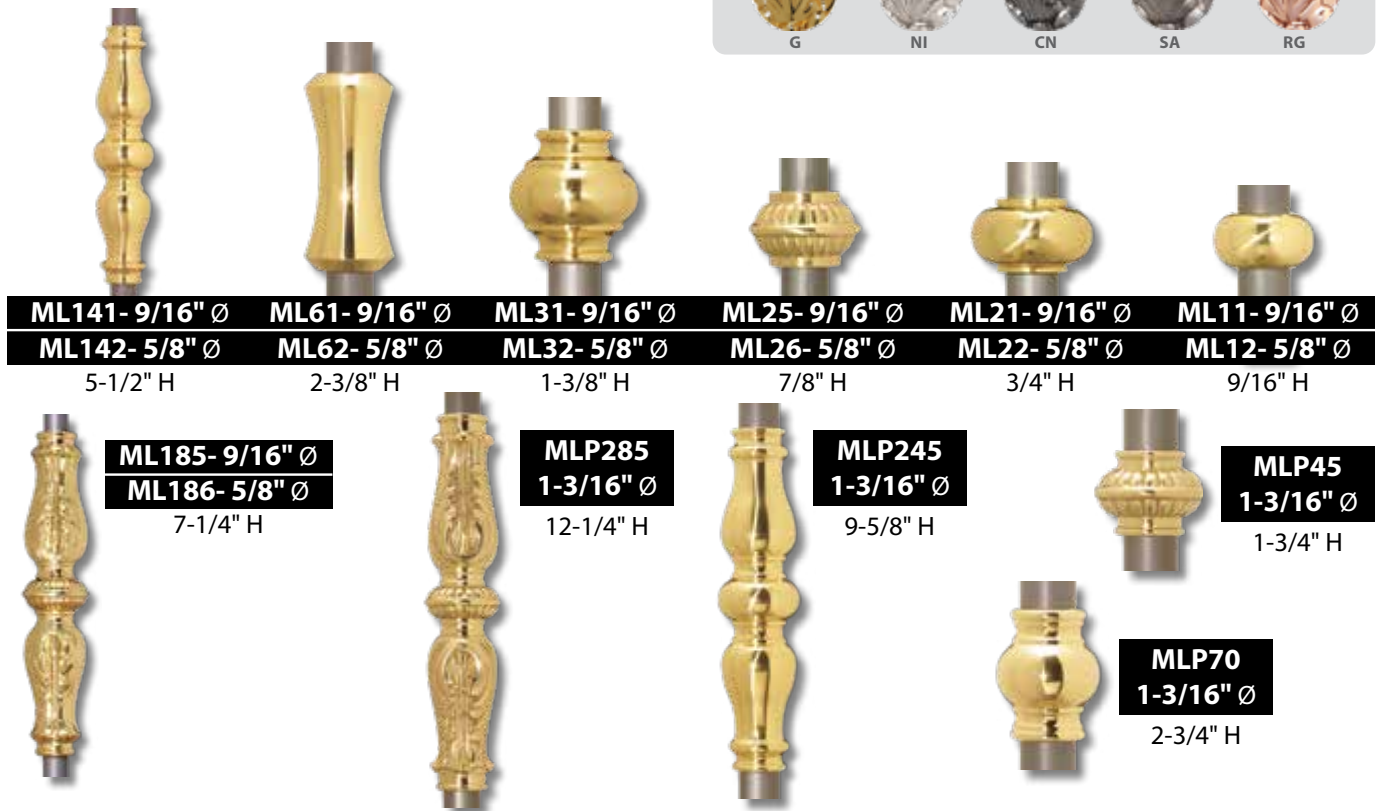
ALL DIMENSIONS ARE APPROXIMATE.

PICKET COLLARS FOR ROUND BAR

BRASS

These decorative brass sleeves are polished and lacquered and come equipped with an M3 locking screw to allow for fast and easy mounting. Indoor use only.

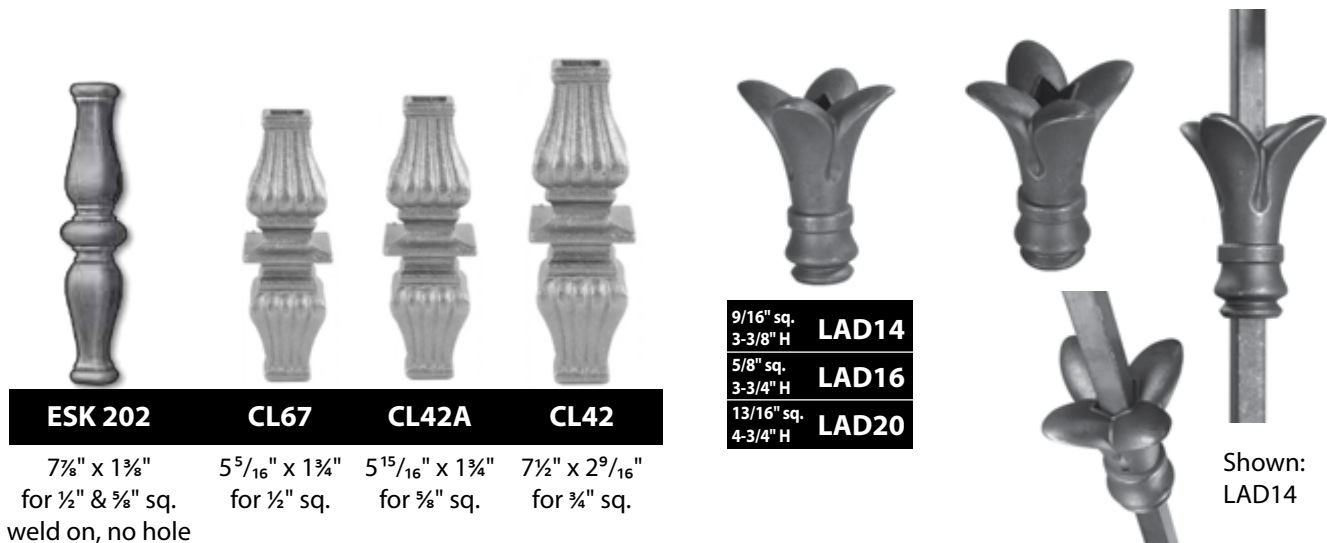
ALSO AVAILABLE IN THESE FINISHES*



PICKET COLLARS FOR SQUARE BAR

All measurements height x width.

STEEL

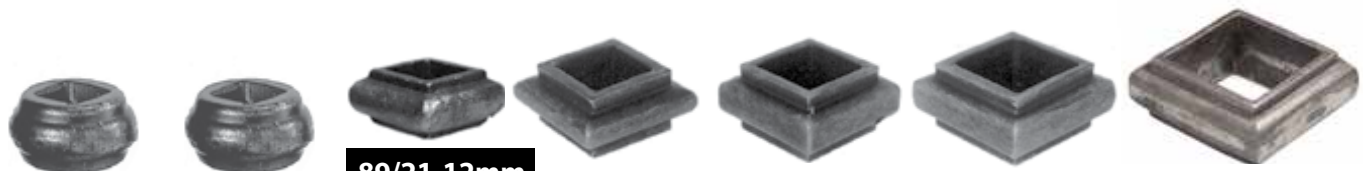


ALL DIMENSIONS ARE APPROXIMATE.

PICKET COLLARS FOR SQUARE BAR

All measurements height x width.

STEEL



1-292	1-292-2	89/21-12mm 89/21-16mm	89/22	89/23	89/24	89/31
--------------	----------------	--	--------------	--------------	--------------	--------------

$\frac{7}{8}$ " x $1\frac{9}{16}$ "
for $\frac{1}{2}$ " sq.

$\frac{7}{8}$ " x $1\frac{9}{16}$ "
for $\frac{5}{8}$ " sq.

$\frac{5}{8}$ " x $1\frac{5}{16}$ "
for $\frac{1}{2}$ " &
 $\frac{5}{8}$ " sq. bar

$\frac{3}{4}$ " x $1\frac{1}{2}$ "
for $\frac{3}{4}$ " sq. bar

1" x $1\frac{9}{16}$ "
for 1" sq. bar

1" x 2"
for $1\frac{1}{4}$ " sq. bar

1" x $2\frac{1}{4}$ "
for $1\frac{1}{2}$ " sq. bar



89/15-16mm
89/15-20mm

$3\frac{3}{8}$ " x $1\frac{1}{2}$ "
for $\frac{3}{8}$ " sq. &
 $\frac{3}{4}$ " sq. bar



89/16-16mm
89/16-20mm

$1\frac{9}{16}$ " x $1\frac{1}{2}$ "
for $\frac{5}{8}$ " &
 $\frac{3}{4}$ " sq. bar



EGK82*
 $3\frac{5}{16}$ " x $1\frac{5}{8}$ "
for $\frac{9}{16}$ " sq.



EGK125*
 $5\frac{5}{8}$ " x $2\frac{9}{16}$ "
for 1" sq.



1-338-1
 $2\frac{11}{16}$ " x $2\frac{9}{16}$ "
for $\frac{5}{8}$ " sq.



747/12
 $2\frac{9}{16}$ " x $1\frac{9}{16}$ "
for $\frac{1}{2}$ " sq.



747/13
 $2\frac{21}{32}$ " x $1\frac{3}{4}$ "
for $\frac{9}{16}$ " sq.



747/14
 $3\frac{1}{16}$ " x 2"
for $\frac{3}{8}$ " sq.

* Set screw
included

CAST IRON



8514	8527	CL8527H	CL8527Y
-------------	-------------	----------------	----------------

2" x $2\frac{3}{8}$ "
for $\frac{1}{2}$ " sq.

$1\frac{1}{8}$ " x $1\frac{3}{16}$ "
for $\frac{1}{2}$ " sq.

$1\frac{1}{8}$ " x $1\frac{1}{4}$ "
for $\frac{5}{8}$ " sq.

$1\frac{1}{8}$ " x 2"
for $\frac{3}{4}$ " sq.

CAST IRON HALF KNUCKLES



CEHK12 - 2" x $1\frac{1}{2}$ ", fits over $\frac{1}{2}$ " sq.
CEHK58 - $1\frac{7}{8}$ " x $1\frac{5}{8}$ ", fits over $\frac{5}{8}$ " sq.
CEHK34 - $1\frac{1}{8}$ " x $1\frac{1}{8}$ ", fits over $\frac{3}{4}$ " sq.
CEHK10 - $2\frac{1}{2}$ " x $2\frac{1}{2}$ ", fits over 1" sq.

Note: These half knuckles are meant to cover 3 sides only. They are not "split" to go around a full spindle.

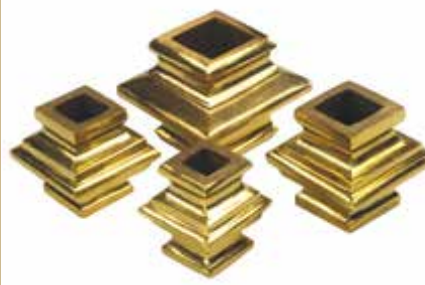
Use for metal work designs that will be applied to screen or security doors.

ALUMINUM



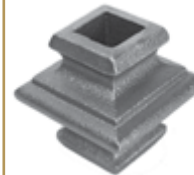
683-AL fits over $\frac{1}{2}$ " sq. $1\frac{1}{2}$ " W x $1\frac{7}{8}$ " H
683H-AL fits over $\frac{5}{8}$ " sq. $1\frac{3}{4}$ " W x $1\frac{7}{8}$ " H
683Y-AL fits over $\frac{3}{4}$ " sq. 2" W x $1\frac{7}{8}$ " H
683Z-AL fits over 1" sq. $2\frac{1}{2}$ " W x 2" H

BRASS



683BR fits over $\frac{1}{2}$ " sq. $1\frac{3}{4}$ " W x 2" H
683H-BR fits over $\frac{5}{8}$ " sq. $1\frac{7}{8}$ " W x 2" H
683Y-BR fits over $\frac{3}{4}$ " sq. 2" W x 2" H
683Z-BR fits over 1" sq. $2\frac{1}{2}$ " W x $2\frac{1}{2}$ " H

CAST IRON / STEEL



* 683S has a set
screw included

CAST IRON

683 fits over $\frac{1}{2}$ " sq. $1\frac{3}{4}$ " W x 2" H
683H fits over $\frac{5}{8}$ " sq. $1\frac{7}{8}$ " W x 2" H
683Y fits over $\frac{3}{4}$ " sq. 2" W x 2" H
683Z fits over 1" sq. $2\frac{1}{2}$ " W x $2\frac{1}{2}$ " H
683S* fits over $\frac{1}{2}$ " sq. $1\frac{1}{2}$ " W x $1\frac{7}{8}$ " H

STEEL

683-ST fits over $\frac{1}{2}$ " sq. $1\frac{3}{4}$ " W x 2" H
683H-ST fits over $\frac{5}{8}$ " sq. $1\frac{7}{8}$ " W x 2" H
683Y-ST fits over $\frac{3}{4}$ " sq. 2" W x 2" H
683Z-ST fits over 1" sq. $2\frac{1}{2}$ " W x $2\frac{1}{2}$ " H
683X-ST fits over $1\frac{1}{4}$ " sq. $1\frac{1}{2}$ " W x $1\frac{7}{8}$ " H

ALL DIMENSIONS ARE APPROXIMATE.

SHOES AND BASE COLLARS FOR SQUARE BAR

All measurements height x width.

CAST IRON

FITS OVER 1/2" SQUARE



9503

7/8" x 1 1/2"
fits over 1/2"

8524

1" x 1 1/4"
fits over 1/2"

8525

2" x 1 1/4"
fits over 1/2"

EE

7/8" x 2 3/8"
fits over 1/2"

9501-CI

5/8" x 1 1/16"
fits over 1/2"

SS-1/2

1 1/4" x 2 1/2"
fits over 1/2"

FITS OVER 9/16" SQUARE



8524-N

1" x 1 1/4"
fits over 9/16"

8525-N

2" x 1 1/4"
fits over 9/16"

CS50

2 3/8" wide
fits over 9/16"

FITS OVER 5/8" SQUARE



8524-H

1" x 1 1/4"
fits over 5/8"

8525-H

2" x 1 1/4"
fits over 5/8"

EE-5/8

1" x 2 1/2"
fits over 5/8"

FITS OVER 3/4" SQUARE



9508

1 1/4" x 1 5/8"
fits over 3/4"

9534

1" x 3"
fits over 3/4"

MIS-34

1 1/8" x 1 1/4"
fits over 3/4"

FITS OVER 1" SQUARE



AA

1" x 3"
fits over 1"

MM

1 3/8" x 3 3/4"
fits over 1"

SS-1

2 1/8" x 3 3/4"
fits over 1"

BB

1 3/8" x 3 3/4"
fits over 1"

CC

2" x 3 1/8"
fits over 1"

9504

1 1/8" x 2"
fits over 1"

FITS OVER 1" SQUARE



9502-CI

1" x 2 1/4"
fits over 1"

CS80

3 5/8" wide
fits over 1"

KK-1

1 1/4" x 3"
fits over 1"

LL

1 3/8" x 2 3/4"
fits over 1"

MIS-1

1 3/16" x 1 1/4"
fits over 1"

CSH1

1 7/8" x 3 3/8"
fits over 1"

FITS IN 1" SQUARE



FF

1 1/8" x 3"
fits in 1"

FITS OVER 1-1/4" SQUARE



CL36A

2 3/8" x 2 3/8"
fits over 1 1/4"

MIS-114

1 1/2" x 2 3/4"
fits over 1 1/4"

9540

1 1/2" x 3 1/4"
fits over 1 1/4"

9506

1 3/4" x 2 3/8"
fits over 1 1/4"

RR

1 1/4" x 3 3/8"
fits over 1 1/4"

CSH114

1 7/8" x 3 1/2"
fits over 1 1/4"

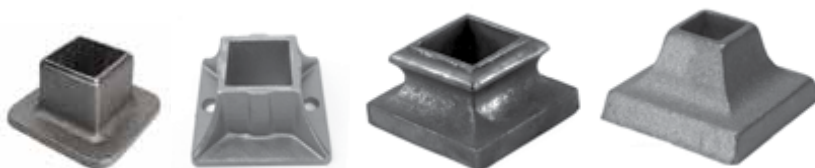
ALL DIMENSIONS ARE APPROXIMATE.

SHOES AND BASE COLLARS FOR SQUARE BAR

All measurements height x width.

CAST IRON

FITS OVER 1-1/2" SQUARE



9550

2" x 3 3/4"
fits over 1 1/2"

HH

2" x 3 3/4"
fits over 1 1/2"

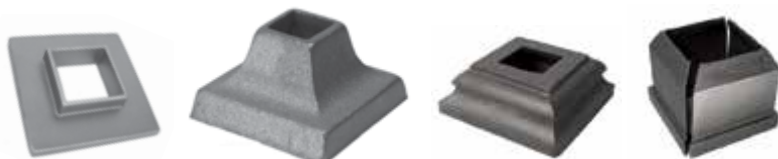
MIS-112

1 3/4" x 3"
fits over 1 1/2"

CSH112

2" x 3 1/2"
fits over 1 1/2"

FITS OVER 2" TO 4" SQUARE



KK-2

1" x 5"
fits over 2"

CSH2

2" x 4 5/8"
fits over 2"

8607

2 1/2" x 7 1/8"
fits over 2 1/2"

8398

5 1/2" x 6 1/8"
fits over 4"

CAST IRON WITH METALLIC ZINC SPRAY



FOC52Z

2" sq.
fits over 9/16"

FOC62Z

2 3/8" sq.
fits over 5/8"



FOC82Z- 1 3/16" sq. FOC85Z-1 3/16" sq.

FOC83Z- 1" sq. FOC84Z-1 7/16" sq.

1 3/8" x 3 1/8"

1 9/16" x 3 1/2"

STEEL



747/15

1 17/32" x 1 9/16"
fits over 1/2"

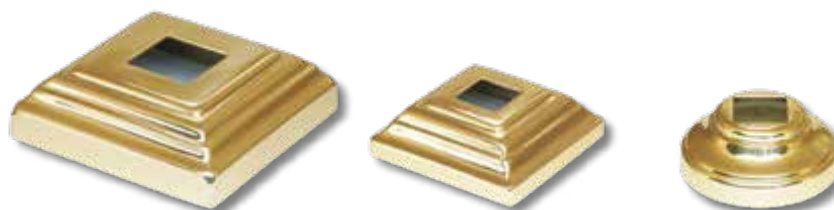
747/16

1 11/16" x 1 1/4"
fits over 9/16"

747/17

1 13/16" x 2"
fits over 5/8"

BRASS



CSL825

3-3/8" sq.
fits over 1" sq.

CSL614- 9/16" sq.

CSL616- 5/8" sq.

CSL620- 3/4" sq.

2-3/8" sq.

CSL52- 9/16" sq.

CSL54- 5/8" sq.

CSL53- 3/4" sq.

2-1/16" Ø



CSL16

2-3/8" Ø
fits over 5/8" Ø

CSL147

2" sq.
fits over 5/8" sq.

CSL86

2-5/8" Ø
fits over 5/8" sq.

CSL51

2-1/16" Ø
fits over 9/16" Ø

CSL61

2-1/2" Ø
fits over 5/8" Ø

CSL114

4-5/16" Ø
fits over 1-9/16" Ø

ALL DIMENSIONS ARE APPROXIMATE.

SHOES AND BASE COLLARS FOR SQUARE BAR

All measurements height x width.

ALUMINUM



9502

1" x 2 1/4"
fits over 1"

CAS-12

1 1/16" x 1 1/4"
fits over 1/2"

CAS-58

1 1/16" x 1 1/4"
fits over 5/8"

CAS-34

1 1/8" x 1 1/4"
fits over 3/4"

CAS-1

1 3/16" x 1 3/4"
fits over 1"

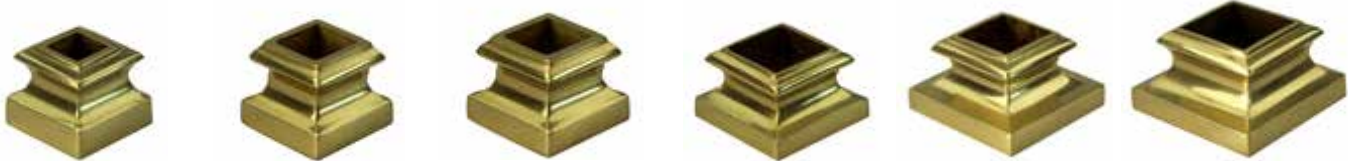
CAS-114

1 1/2" x 2 3/4"
fits over 1 1/4"

CAS-112

1 3/4" x 3"
fits over 1 1/2"

BRASS



BRS-12

1 1/16" x 1 1/4"
fits over 1/2"

BRS-58

1 1/16" x 1 1/4"
fits over 5/8"

BRS-34

1 1/8" x 1 1/4"
fits over 3/4"

BRS-1

1 3/16" x 1 3/4"
fits over 1"

BRS-114

1 1/2" x 2 3/4"
fits over 1 1/4"

BRS-112

1 3/4" x 3"
fits over 1 1/2"

STEEL TUBING FLANGES

Plain Flange

TUBE SIZE	BASE SIZE	HEIGHT	STEEL
1-1/2"	3-3/4" sq.	1-3/4"	8913



Plain Flange with Set Screw*

TUBE SIZE	BASE SIZE	HEIGHT	STEEL
1-1/4"	3-3/4" sq.	1-1/2"	8910
1-1/2"	3-3/4" sq.	1-3/4"	8916

* 1/4"-20 set screw not for structural use.



Flange with Four Countersunk Holes

TUBE SIZE	BASE SIZE	HEIGHT	STEEL
1-1/4"	3-3/4" sq.	1-1/2"	8908
1-1/2"	3-3/4" sq.	1-3/4"	8914



Flange with Four Countersunk Holes

TUBE SIZE	BASE SIZE	HEIGHT	THICKNESS	STEEL
3/4"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8041-3
1"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8041
1-1/4"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8045
1-1/2"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8047
2"	5" x 5"	1"	7 Ga.	8051
2-1/2"	5" x 5"	1"	7 Ga.	8049



Plain Flange - No Mounting Holes

TUBE SIZE	BASE SIZE	HEIGHT	THICKNESS	STEEL
3/4"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8041-3NH
1"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8041-NH
1-1/2"	3-3/4" x 3-3/4"	7/8"	10 Ga.	8047-NH
2"	5" x 5"	1"	7 Ga.	8051-NH
2-1/2"	5" x 5"	1"	7 Ga.	8049-NH
3"	5" x 5"	5/8"	7 Ga.	8096-NH



SIMSHOE-A PLASTIC SPLIT-COVER STYLE SHOE!

While traditional cover shoes must be on the post before the baseplate is welded to it, Simshoe™ allows you to put your shoes on last.



CS251

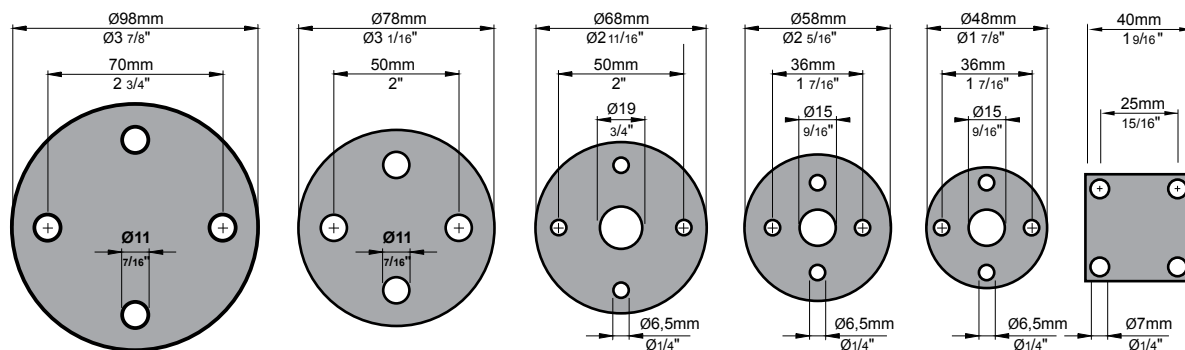
3-3/8" sq.
fits over 1" sq.

CS250

3-1/8" sq.
1/4" thick
fits over 1" sq.

SS1-3	for 1"	3 9/16" sq. base	2" H
SS114-3	for 1 1/4"	3 9/16" sq. base	2" H
SS112-3	for 1 1/2"	3 9/16" sq. base	2" H
SS112-4	for 1 1/2"	4 3/4" sq. base	1 1/8" H
SS2-4	for 2"	4 3/4" sq. base	1 1/8" H

BASE PLATES AND SHOES



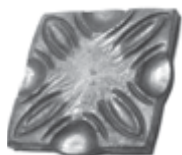
RF100	RF80	RF70	RF60	RF50	RF40
8 mm 5/16"	8 mm 5/16"	6 mm 1/4"	6 mm 1/4"	6 mm 1/4"	5 mm 3/16"



WT-113	3" sq.	3/8" Holes	5/32" Thick
WT-114	4" sq.	3/8" Holes	5/32" Thick
WT-115	5" sq.	7/16" Holes	1/4" Thick
WT-116	6" sq.	7/16" Holes	1/4" Thick



92/1
7 7/8" H x 5 3/4" W 1/4" thick



92/12	92/13	92/14	92/2	92/3	92/5	CST15
3 15/16" sq. 3/8" thick	3 3/8" Ø 1/4" thick	4 1/16" Ø 1/4" thick	5" x 5" 1/4" thick	4 3/8" x 4 3/8" 1/4" thick	4 3/8" x 4 3/8" 1/4" thick	5 7/8" H x 2 3/4" W

SHOES AND BASE COLLARS FOR ROUND BAR



HK8127	SH356	HK8587	8524-HR	8525-HR	HK8347
3/4" x 1 1/4" fits over 1/2" Ø	1" x 1 1/4" fits over 1/2" Ø	3/4" x 1 1/2" fits over 5/8" Ø	1" x 1 1/4" fits over 5/8" Ø	2" x 1 1/4" fits over 5/8" Ø	1" x 1 3/4" fits over 3/4" Ø

DUCTILE IRON



DSH-R2	DSH-R5	DSH-R60	DSH-R61	9103	FOC16Z	FOC72Z
1" x 1 3/16" fits over 1/2" Ø	1 1/8" x 1 3/8" fits over 5/8" Ø	1 3/16" base fits over 1/2" Ø	1 5/16" base fits over 5/8" Ø	3 3/8" x 5 5/8" fits over 3 1/2" Ø	2 3/8" Ø fits over 5/8" Ø	1 3/16" x 2 3/4" fits over 1" Ø

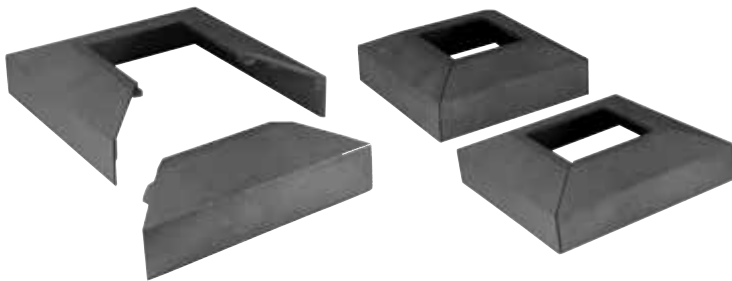
ALL DIMENSIONS ARE APPROXIMATE.

SHOES AND BASE PLATES

All measurements height x width.

ALUMINUM

DIE CAST ALUMINUM SPLIT SHOES (MARINE GRADE)



ALSS-1-1/2	for 1½"	4" sq. base	1⅝" H
ALSS-2	for 2"	4¼" sq. base	1⅝" H
ALSS-2-1/2	for 2½"	5¼" sq. base	1⅝" H
ALSS-3	for 3"	5½" sq. base	1⅝" H

CAST ALUMINUM SPLIT SHOES



245A-58	for ⅝"	1⅞" sq. base	1¼" H
245A-34	for ¾"	1⅞" sq. base	1⅝" H
245A-1	for 1"	2½" sq. base	1⅝" H
245A-114	for 1¼"	3" sq. base	1¾" H
245A-112	for 1½"	3" sq. base	1⅝" H
245A-2	for 2"	3⅝" sq. base	2" H
245A-212	for 2½"	4½" sq. base	2¼" H
245A-3	for 3"	6¼" sq. base	2⅝" H
245A-4	for 4"	7" sq. base	3" H



A simple, inexpensive finishing touch for anodized or powder coated rails. Slip on style (non-weldable).

MR-1/2	for ½"	2¼" sq. base	⅞" H
MR-5/8	for ⅝"	2¼" sq. base	⅞" H
MR-3/4	for ¾"	2¼" sq. base	⅞" H
MR-1	for 1"	2⅝" sq. base	¾" H
MR-1-1/4	for 1¼"	3⅝" sq. base	1" H
MR-1-1/2	for 1½"	3¼" sq. base	1" H
MR-2	for 2"	4" sq. base	1" H
MR-2-1/2	for 2½"	5" sq. base	1" H

ALL "MR" SHOES ARE 18 GAUGE

Marine Grade



2156-SHOE	1½" sq. 3⅝" W 1¼" H
------------------	---------------------------



AM-1	for 1"	3" sq. base	1/4" H	16 Ga.
AM-1-1/4	for 1-1/4"	3" sq. base	1/4" H	16 Ga.
AM-1-1/2	for 1-1/2"	3" sq. base	1/4" H	16 Ga.
AM-2	for 2"	4" sq. base	1/2" H	16 Ga.
AM-2-1/2	for 2-1/2"	5" sq. base	1/2" H	16 Ga.



CP-1	for 1"	3-3/4" sq. base	1/4" H
CP-114	for 1-1/4"	3-3/4" sq. base	1/4" H
CP-112	for 1-1/2"	3-7/8" sq. base	1/2" H
CP-2	for 2"	3-7/8" sq. base	1/2" H
CP-212	for 2-1/2"	5" sq. base	1" H
CP-3	for 3"	5-1/2" sq. base	1" H
CP-4	for 4"	6-1/2" sq. base	1" H

8042-NH for 1"
3-3/4" sq. base, 7/8" H, 10 Ga.

8046-NH for 1-1/4"
3-3/4" sq. base, 7/8" H, 10 Ga.

8048-NH for 1-1/2"
3-3/4" sq. base, 7/8" H, 10 Ga.

8052-NH for 2"
5" sq. base, 1" H, 7 Ga.

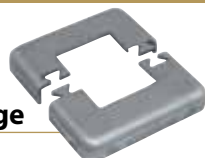
8050-NH for 2-1/2"
5" sq. base, 1" H, 7 Ga.

8098-NH for 3"
5" sq. base, 5/8" H, 7 Ga.



STEEL AND ALUMINUM

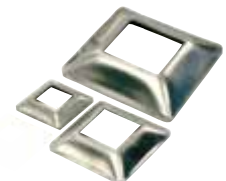
Square Puzzle-Lock Split Flange



TUBE SIZE	HEIGHT	COVERS BASE SIZE	STEEL	ALUMINUM
1"	3/4"	4" x 4"	26430	Custom
1-1/4"	3/4"	4" x 4"	26431	Custom
1-1/2"	3/4"	4" x 4"	26432	26436
2"	3/4"	4" x 4"	26433	26437

Slip-On Cover Plate

TUBE SIZE	BASE SIZE	HEIGHT	THICKNESS	STEEL	ALUMINUM
3/4"	2" x 2"	7/16"	10 Ga.	8077	
1"	2" x 2"	3/8"	10 Ga.	8079	
1-1/4"	3" x 3"	5/8"	10 Ga.	8081	8082
1-1/2"	3" x 3"	5/8"	10 Ga.	8083	8084
2"	4" x 4"	13/16"	7 Ga.	8085	8086



ALL DIMENSIONS ARE APPROXIMATE.

FLANGES

PIPE FLANGES



Heavy Duty Weld Flange

4-3/8" diameter with four oval mounting holes, clear for 3/8" bolts. May be used with or without a canopy flange.

FOR USE WITH PIPE SIZE	PIPE DIAMETER	THICKNESS	STEEL	TYPE 304 STAINLESS
1-1/4"	1.66"	1/4"	1613HD	1613HD-S
1-1/2"	1.90"	1/4"	1623HD	1623HD-S



Heavy Base Plain Flange with Set Screw*

PIPE SIZE	OD	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	1429	1469	1529
1-1/2"	1.90"	1437	1477	1537

* 1/4"-20 set screw - not for structural use.



Canopy Flange

4-1/2" diameter, 18 gauge. Cover has clearance for 3/8" bolt heads. This canopy flange drops into place. Use epoxy or silicone to affix to heavy duty weld flange..

PIPE SIZE	OD	COVER DIAM.	HT.	STEEL	3003 ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	4-1/2"	1"	2065	2066	2067
1-1/2"	1.90"	4-1/2"	1"	2075	2076	2077



Snap-On Cover Flange Base

4-3/8" diameter base has four clear mounting holes for 3/8" bolts.

PIPE SIZE	OD	COVER DIAM.	THICK.	STEEL	3003 ALUMINUM	TYPE 304 STAINLESS
1-1/4"	1.66"	4-3/8"	.25"	2065B	2066B	2067B*
1-1/2"	1.90"	4-3/8"	.25"	2075B	2076B	2077B*

* Thickness = .188".



Plain Flange

PIPE SIZE	OD	STEEL	ALUMINUM	STAINLESS
1-1/4"	1.66"	1610	1630	1610-S
1-1/2"	1.90"	1620	1640	1620-S



Flange with Four Holes

PIPE SIZE	OD	STEEL	ALUMINUM
1-1/4"	1.66"	1613	1633
1-1/2"	1.90"	1623	1643



Puzzle-Lock Split Flange for Schedule 40 Pipe

TUBE SIZE	OD	HEIGHT	BASE SIZE	STEEL	ALUMINUM
1-1/4"	1.66"	3/8"	4-3/8" Ø	26402	26412
1-1/2"	1.90"	3/8"	4-3/8" Ø	26403	26413

PLASTIC SIMSHOE



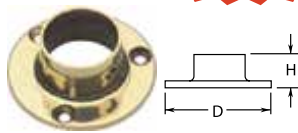
DT-112R for 1½" dia. Tubing
SP-114R for 1¼" dia. Standard Pipe
SP-112R for 1½" dia. Standard Pipe

ALL DIMENSIONS ARE APPROXIMATE.

FLANGES

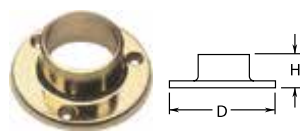
**TUBING IS ON
PAGE 312**

BRASS FLANGES



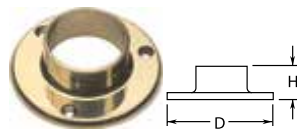
500 Wall Flange

ITEM #	TUBING	D	H
00-500/1	1"	2"	7/8"



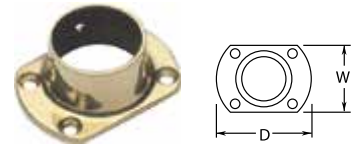
510 Wall Flange

ITEM #	TUBING	D	H
00-510/1-1/2	1-1/2"	3"	1-1/4"



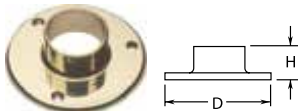
530 Wall Flange

ITEM #	TUBING	D	H
00-530/2	2"	4"	1-1/4"



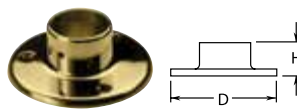
511/531 Cut Flange

ITEM #	TUBING	D	W
00-511/1-1/2	1-1/2"	3"	2"
00-531/2	2"	4"	2-1/2"



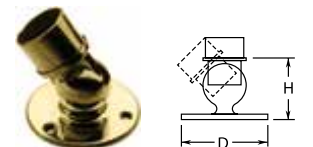
532 Floor Flange

ITEM #	TUBING	D	H
00-532/2	2"	5"	1-3/8"



512 Floor Flange

ITEM #	TUBING	D	H
00-512/1-1/2	1-1/2"	4"	1-1/4"



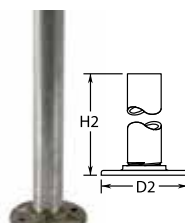
533 Adjustable Flange

ITEM #	TUBING	D	H
00-533/2	2"	4"	2-9/16"



540 Canopy

ITEM #	TUBING	D-1	H-1
00-540/1-1/2	1-1/2"	4"	1"
00-540/2	2"	5"	1"



541 Steel Flange*

ITEM #	TUBING	D-2	H-2
20-541/1-1/2	1-1/2"	3-1/2"	1-3/8"
20-541/2	2"	4-1/2"	1-1/2"

*Use with 540 Canopy

Example showing brass tubing and canopy over steel flange



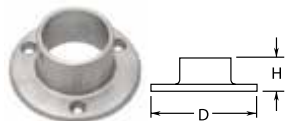
545 Floor Socket w/Cap

ITEM #	TUBING	D	H
00-545/2	2"	4-7/8"	4-1/2"

STAINLESS STEEL TUBING FLANGES

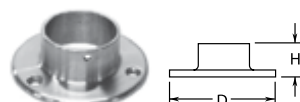
**FITTINGS ARE AVAILABLE IN A 304 SS 40-POLISHED • 304 SS 44-SATIN
316 SS 47-POLISHED • 316 SS 49-SATIN FINISH**

**TUBING IS ON
PAGE 302**



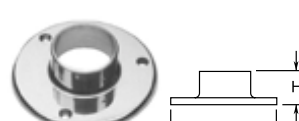
510 Wall Flange

ITEM #	TUBING	D	H
44-510/1-1/2	1-1/2"	3"	1-1/4"



530 Wall Flange

ITEM #	TUBING	D	H
47-530/2	2"	4"	1-1/4"
49-530/2			



532 Floor Flange

ITEM #	TUBING	D	H
40-532/2	2"	5"	1-3/8"
44-532/2			



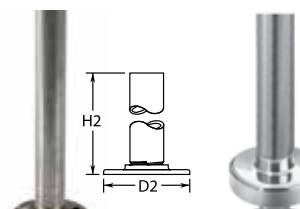
511/531 Cut Flange

ITEM #	TUBING	D	W
40-511/1-1/2	1-1/2"	3"	2"
44-511/1-1/2			
40-531/2	2"	4"	2-1/2"
44-531/2			



540 Canopy

ITEM #	TUBING	D-1	H-1
49-540/1-1/2	1-1/2"	4"	1-1/4"
49-540/2	2"	5"	1-1/2"



541 Steel Flange

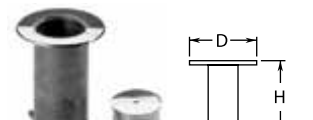
ITEM #	TUBING	D-2	H-2
20-541/1-1/2	1-1/2"	3-1/2"	1-3/8"
20-541/2	2"	4-1/2"	1-1/2"

*Use with 540 Canopy



545 Floor Socket w/Cap

ITEM #	TUBING	D	H
40-545/2	2"	4-7/8"	4-1/2"
44-545/2			



544 Floor Socket w/Cap

ITEM #	TUBING	D	H
40-544/2	2"	2-3/4"	4-1/2"
44-544/2			

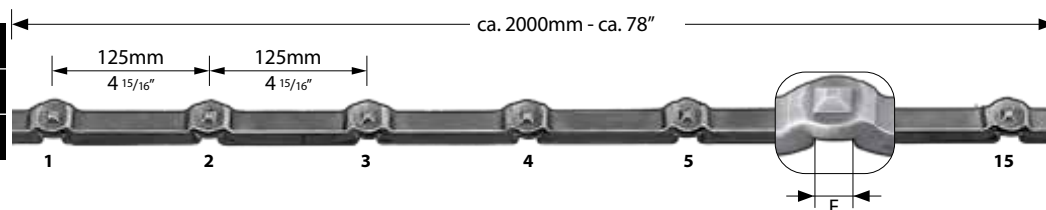
ALL DIMENSIONS ARE APPROXIMATE.

FORGED CROSS BARS

On the front, a nailhead ornamentation. At the back, 9/16" or 5/8" notches which allow for easy and rapid positioning.

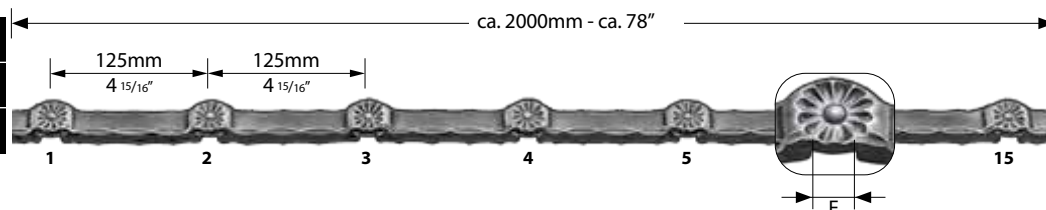
TRADITION

14 mm 9/16"	E: 14.5mm E: 9/16"	T201
20x15 mm 3/4x9/16"	E: 14.5mm E: 9/16"	T202
20x15 mm 3/4x9/16"	E: 16.5mm E: 5/8"	T206

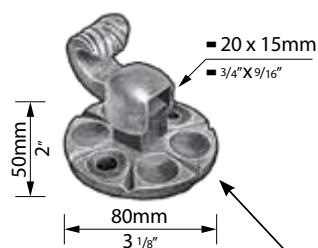


RUSTIQUE

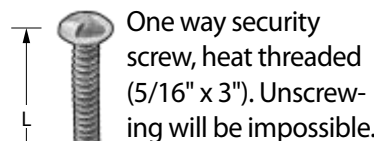
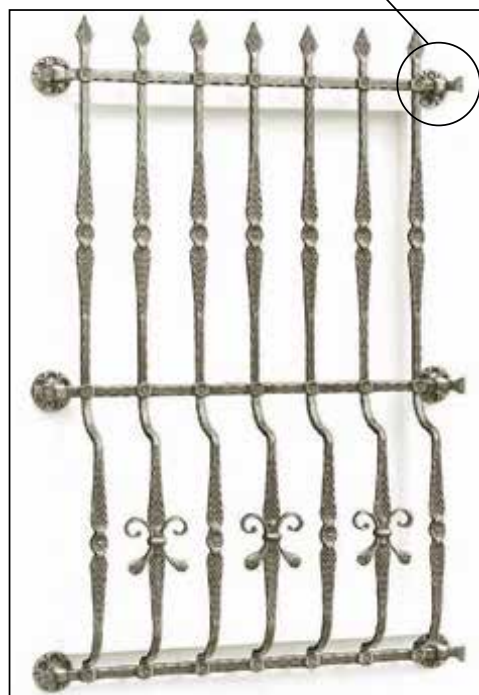
14 mm 9/16"	E: 14.5mm E: 9/16"	TM201
20x15 mm 3/4x9/16"	E: 14.5mm E: 9/16"	TM202
20x15 mm 3/4x9/16"	E: 16.5mm E: 5/8"	TM206



Clamping plate for cross bars.
Supplied with 2 7/16" (11mm) Ø holes
matching VSU70 or VH108 screws.
(Screws must be ordered separately).

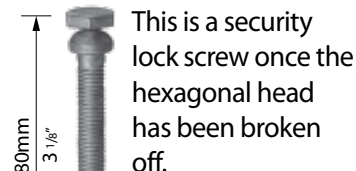


AK241



Sold in packs of 10.

8 mm L: 70 mm **VSU70**
5/16" L: 3"



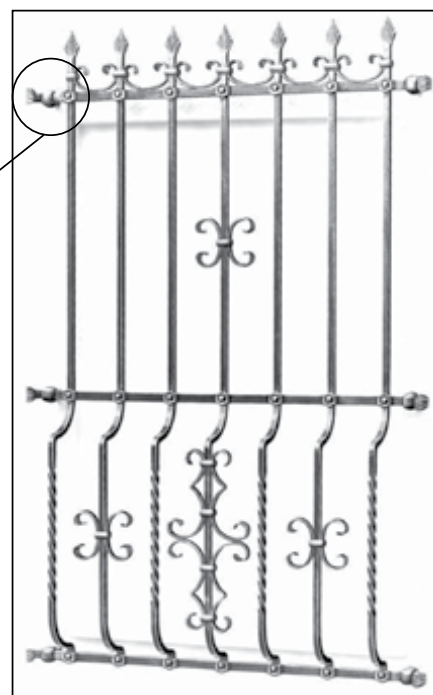
Sold in packs of 10.

M10 **VH108**

This lug, must be sealed in
the wall before using with
cross bars above.



AK240



ALL DIMENSIONS ARE APPROXIMATE.

STEEL ROSETTES



75/5

4-1/2" Ø
1/4" thick



75/6

3-1/2" Ø
1/4" thick



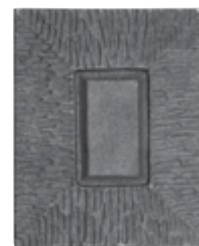
94/B/5

4-5/32" Ø
5/32" thick



94/B/6

4-17/32" Ø
5/32" thick



TR008-ST

2-3/4" W x 3-3/8" H
5/16" thick



77/29

1" Ø
1/4" thick



77/30

1-3/4" Ø
1/4" thick



77/31

2-9/16" Ø
1/4" thick



77/17

2-3/4" Ø
1/4" thick



77/18

3-3/4" Ø
1/4" thick



RO65

2-9/16" Ø



RO100

4" Ø



116/A/3

3-3/4" Ø
1/8" thick



116/A/5

3-3/4" Ø
1/8" thick



11-120

3-1/2" Ø
1/8" thick



11-120-1

4-3/4" Ø
1/8" thick



ROT100

4" Ø
5/64" thick



ROT90

3-1/2" Ø
5/64" thick



ROT55

2-3/16" Ø
5/64" thick



77/21

3-1/8" Ø
5/32" thick



FDF7

3" Ø
5/32" thick
double faced



FDF11

4-5/16" Ø
5/32" thick
double faced



FDF13

5-1/8" Ø
5/16" thick
double faced

ALL DIMENSIONS ARE APPROXIMATE.

CAST BRONZE AND STEEL ROSETTES

In response to inquiries for a more sophisticated and wider variety of applied decorative details we offer a limited selection of historically accurate castings in bronze alloys. These designs are based upon decorative elements from the various classical architectural styles from the 16th to the 18th century.

Designed by Tom TK Ryan exclusively for Architectural Iron Designs.

The patinated finishes may vary slightly from the photos as they are hand applied.

Rectangular Provincial Rosette 3" long x 2¾" wide x ¾" thick in a ¾" wide border.



**TR005 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR005P (BRONZE WITH PATINA FINISH)



TR005-ST (STEEL)

Dynamic Louis XV Style Rosette 4½" O.D. with contoured open edges and center floral boss. Substantial rosette at approximately 2 lbs each.



**TR003 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR003P (BRONZE WITH PATINA FINISH)



TR003-ST (STEEL)

"Acanthus" Rosette 4½" O.D. body approximately ¾" thick, raised ribs radiating from the central cupped pistil of berries. A substantial rosette at approximately 2 lbs. each.



**TR004 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



**TR004P
(BRONZE WITH PATINA FINISH)**



TR004-ST (STEEL)

ALL DIMENSIONS ARE APPROXIMATE.

CAST BRONZE AND STEEL ROSETTES

The patinated finishes may vary slightly from the photos as they are hand applied.

Small Gothic "Dynamic" Rosette 2½" round with "ogee" molded edge.
½" thick at central high point. Stylized deep relief.



**TR001 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR001P (BRONZE WITH PATINA FINISH)



TR001-ST (STEEL)

Beautiful Oval Sunflower Rosette 3½" x 2¼" x ½" thick



**TR002 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR002P (BRONZE WITH PATINA FINISH)



TR002-ST (STEEL)

"Tudor Rose" Rosette which has a versatile design element dating back
to the medieval period. Approximately 3" in diameter, ⅜" thick.



**TR006 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR006P (BRONZE WITH PATINA FINISH)



TR006-ST (STEEL)

"Dynamic Louis XV" Style Rosette same as TR003 but in 3" outside diameter with contoured
open edges and center floral boss.



**TR007 (BRONZE WITH TEMPORARY
CLEAR COAT FINISH)**



TR007P (BRONZE WITH PATINA FINISH)



TR007-ST (STEEL)

ALL DIMENSIONS ARE APPROXIMATE.

ROSETTES

BRASS



104/4

4-3/8" Ø
1/4" thick



104/5

2-3/4" Ø
1/4" thick



104/6

2-3/4" Ø
1/4" thick

THREADED BRASS ROSETTES

Brass rosettes with an M6 threaded hole, polished and lacquered or 24-Carat gilded and lacquered "G". Items for indoor use only.



RL 9

RL 9 G

3-3/8" Ø



RL 7

RL 7 G

2-13/16" Ø



RL 75

RL 75 G

3" Ø

ALUMINUM



116/A/3/A

3-3/4" Ø



771/3

2-9/16" Ø



1454/6

4-15/16" Ø



1454/5

4-1/8" Ø



1448/5

3-1/2" Ø
1/2" hole



681-AL

4" Ø

CAST BRONZE



MDC05.097

2-1/4" Ø



MDC05.008

2" Ø



MDC05.022

1-3/8" Ø



MDC05.093

1-1/2" Ø

CAST IRON



FOD7

2-15/16" Ø



FOD11

4-5/16" Ø



FOD13

5-5/16" Ø

ALL DIMENSIONS ARE APPROXIMATE.

ROSETTES AND QUATREFOILS

CAST IRON

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



681 (SF)

4" Ø



681-DF

4" Ø



9051 (SF)

1 1/8" Ø



9051-DF

1 1/8" Ø



9052 (SF)

2 1/2" Ø



9052-DF

2 1/2" Ø



9050 (SF)

3 3/8" Ø



9050-DF

3 3/8" Ø



9053 (SF)

3 1/2" Ø



9053-DF

3 1/2" Ø



9054 (SF)

2" W x 3 3/8" H



9054-DF

2" W x 3 3/8" H



9465 (SF)

5 1/4" W x 8 3/8" H



9555 (SF)

3" Ø



9471-R

3 1/8" W x 5 1/4" H
3/4" deep

QUATREFOIL



17/1

9-27/32" Ø,
matl. size 5/16" sq.



1019/2

9-13/32" Ø,
matl. size 1/2" sq.



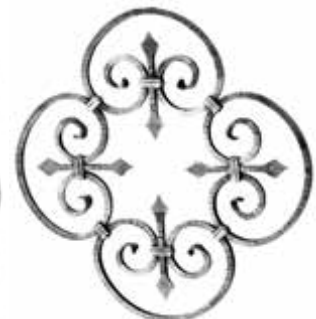
1010/3

11-7/16" Ø,
matl. size 1/2" sq.



24/2

15" Ø,
matl. size 3/8" x 3/16"



24/3

23-5/8" Ø,
matl. size 1/2" sq.

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL GREEK KEY CASTINGS



Create a geometric/modern appearance on any metalwork design with these unique Greek Key infill and accent pieces. Available in Cast Iron and Aluminum. All are double faced.



Greek Key Scroll
4" W x 3¼" H, ⅝" thick

GKS-CI (cast iron)
GKS-AL (aluminum)



Angled Greek Key
5¾" W x 2⅝" H, ⅝" thick

GKA-CI (cast iron)
GKA-AL (aluminum)



Greek Key Pattern
7⅞" W x 6⅝" H, ¾" thick

GKP-CI (cast iron)
GKP-AL (aluminum)



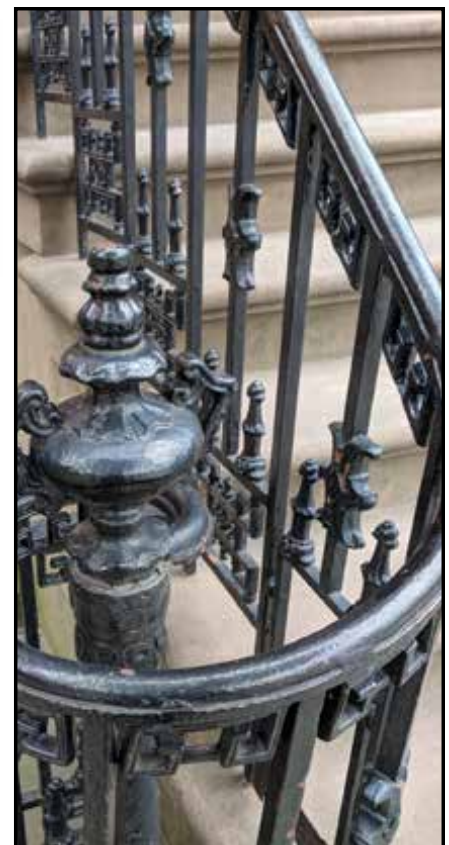
Curved Greek Key
3¾" W x 2½" H, ⅝" thick

GKC-CI (cast iron)
GKC-AL (aluminum)



Heavy Rosette
6" W x 3⅞" H, ⅝" thick
The back is SBO (side backed out) and measures 3/4" to 15/16" wide and is ¼" deep.

GKR-CI (cast iron)
GKR-AL (aluminum)



ALL DIMENSIONS ARE APPROXIMATE.

FORGED STEEL SCROLLS

SCROLLS IN 1/2" X 1/4" BAR



2-82-4

4" W x 5-1/8" H



59/1

58/1

58/2

58/3

58/4

58/5

58/12

3-3/4" W x
5-1/4" H

2-3/8" W x
4" H

3-1/4" W x
5-3/8" H

5-1/4" W x
7-1/2" H

5" W x
8-1/2" H

5" W x
9-7/8" H

2-3/4" W x
12-3/4" H



58/18

80/A/11

59/3

59/13

59/14

59/8

59/16

59/12

4" W x 4" H

2-9/16" W x
5-7/8" H

3" W x
7-1/2" H

4" W x
8-1/4" H

4" W x
9-5/8" H

5" W x
10-1/4" H

59/17
4" W x 10-1/2" H
4" W x 12-1/2" H

7-1/4" W x 17-1/4" H

SCROLLS IN 1/2" SQUARE BAR W/FISHTAIL ENDS



60/8

60/9

60/10

60/21

60/25

60/26

60/16

60/17

60/18

2-3/4" W x
4" H

3-1/2" W x
5-3/8" H

5-1/4" W x
8-1/4" H

7" W x
17" H

4" W x
8-5/8" H

4" W x
11-3/8" H

3-3/8" W x
7-1/2" H

5-1/4" W x
10-7/8" H

5-1/2" W x
13-1/2" H

ALL DIMENSIONS ARE APPROXIMATE.

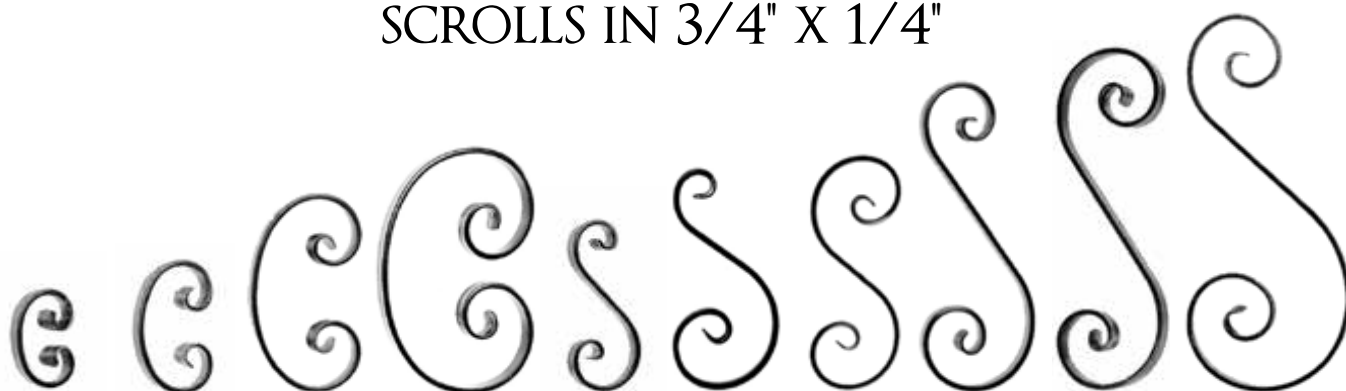
FORGED STEEL SCROLLS

SCROLLS IN 1/2" SQUARE BAR W/FLAT BUTTON ENDS



2-242	2-243	2-244	2-245	2-247	2-248	2-249	2-250
3" W x 4-3/4" H	3-1/2" W x 6" H	3-1/2" W x 6" H	5-1/8" W x 9-7/8" H	4-5/16" W x 11-7/16" H	4-5/16" W x 8-11/16" H	4-5/16" W x 14-3/4" H	4-5/16" W x 14-3/4" H

SCROLLS IN 3/4" X 1/4"



65/1	65/2	65/4	65/5	64/1	64/11	64/10	64/2	64/5	64/8
2-1/2" W x 4" H	3-1/4" W x 5-3/8" H	4-3/4" W x 8-3/8" H	7" W x 10-3/4" H	3-1/4" W x 7-1/2" H	4" W x 8-3/8" H	4" W x 12-3/8" H	5-1/4" W x 13-1/2" H	5" W x 14-3/8" H	7-1/2" W x 17-1/8" H

GROOVED EDGE SCROLLS IN 5/8" X 5/16"



Sample showing
grooved edge



66/14	66/11	66/8	66/9	66/16
3-3/8" W x 5-3/8" H	4-3/4" W x 8-3/8" H	3-1/4" W x 8-1/4" H	4-5/8" W x 9-1/4" H	4-5/8" W x 13-1/4" H

ALL DIMENSIONS ARE APPROXIMATE.

CAST STEEL LEAVES

Beautiful leaves to enhance all styles of iron work - all weldable in cast steel.



69/16

4-1/8" W x
9-1/4" H



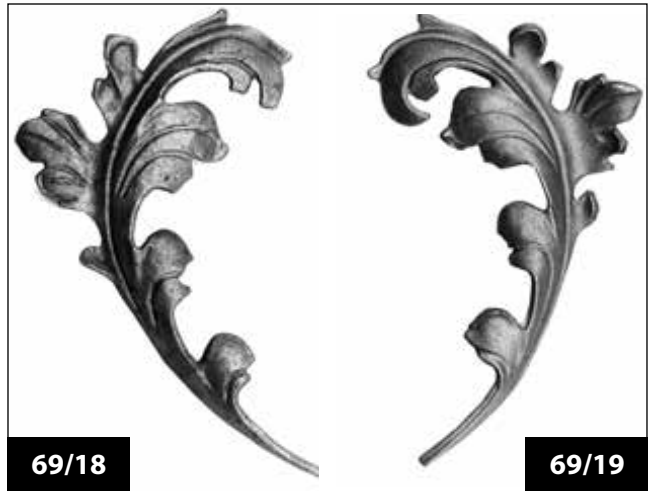
69/86

5-1/8" W x
9-13/16" H



11-331

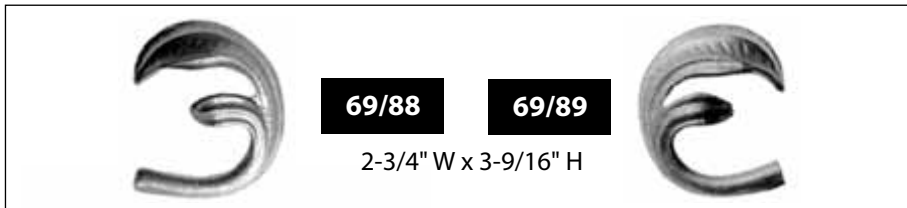
2-5/8" W x
11-13/16" H



69/18

69/19

6" W x 9-1/2" H, 1/4" thick



69/88

69/89

2-3/4" W x 3-9/16" H



Double
Faced

69/102

6-7/8" W x 5-3/4" H, 1" thick



69/20

69/21

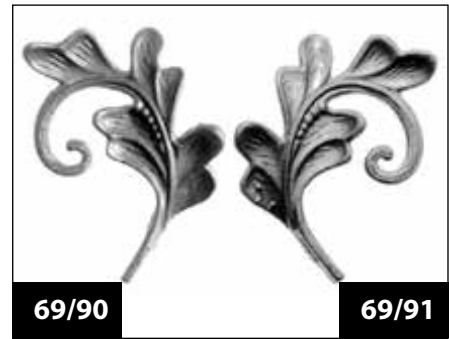
3-15/16" W x 8-11/16" H



69/22

69/23

4-3/4" W x 6-1/2" H



69/90

69/91

4-5/16" W x 5-1/2" H



69/24

69/25

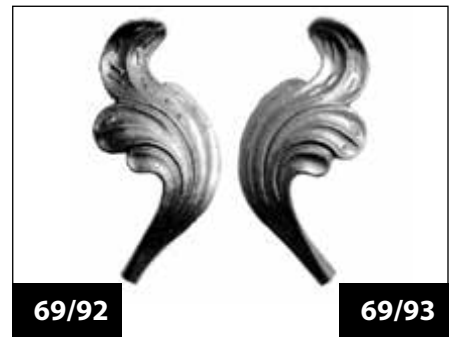
3-3/8" W x 7-1/16" H



69/26

69/27

5-1/8" W x 7-7/8" H



69/92

69/93

2-9/16" W x 5-1/8" H

ALL DIMENSIONS ARE APPROXIMATE.

CAST STEEL LEAVES

Beautiful leaves to enhance all styles of iron work - all weldable in cast steel.



8-1/4" W x 7-7/8" H x 1/4" thick

69/125

4" W x 4-5/16" H
single sided



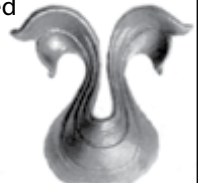
FR111

6-7/8" W x 4-3/4" H
single sided



11-128

3-1/2" W x
3-3/4" H,
single sided



69/99

4-3/4" W x
5-11/16" H
5/8" thick



75/8

2-3/8" W x
4-3/8" H
1/8" thick



76/15

3-1/4" W x
6-3/4" H
single sided



69/96



8-1/4" W x 7-7/8" H x 1/4" thick

69/126

7-1/16" W x
4-3/4" H



69/94

7-1/16" W x
4-3/4" H



69/95

5" H
1/4" thick



FDF305



3-15/16" W x 3-15/16" H x
1/4" thick

69/127



3-1/4" W x
11-1/2" H

69/87



76/17

1-9/16" W x 4-5/16" H
1/8" thick

76/18



76/10

2-3/4" W x 2-3/8" H
1/8" thick

76/11



3-15/16" W x 3-15/16" H x
1/4" thick

69/128



69/101

2" W x 2" H



69/97

6-5/16" W x
7-1/2" H



69/98

6-5/16" W x
7-1/2" H

ALL DIMENSIONS ARE APPROXIMATE.

CAST STEEL LEAVES AND FLOWERS

Beautiful leaves and flowers to adorn all styles of iron work.

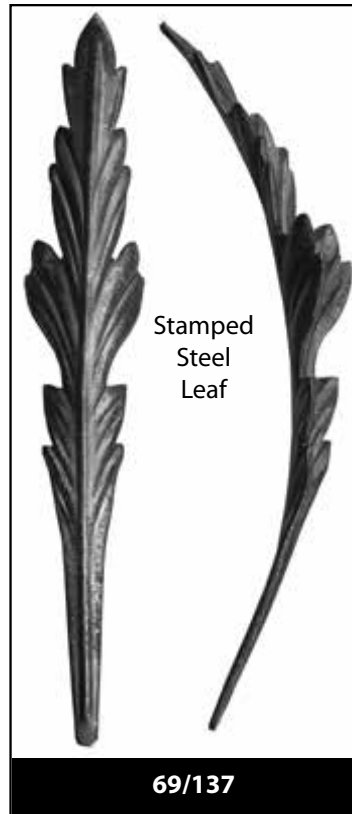
These lovely scroll panels use leaf 69/137 within the design.



Item 7-109/S



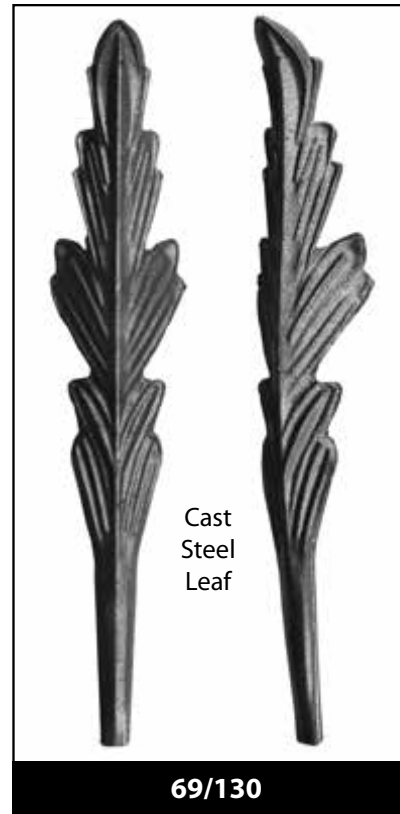
Item 7-113/D



Stamped
Steel
Leaf

69/137

2" W x 11" H,
1/16" thick



Cast
Steel
Leaf

69/130

2-3/16" W x 11-13/16" H
1/8" thick



Daffodil Trumpet

75/13

1-9/16" dia.



Daffodil Petal

75/14

3-9/16" dia.



Lilly

75/16

6-5/16" dia.



1-1/8" W x 5" H,
1/4" thick

69/129



1-3/16" W x
6-1/2" H

FAR181



2-3/8" W x
7-5/16" H

FAR232



75/12

3-9/16" W x 12-5/8" H
including stem



75/9

3-9/16" W x 12-3/16" H
including stem



75/10

4-3/4" W x 11-7/16" H
including stem

ALL DIMENSIONS ARE APPROXIMATE.

HEAVY STAMPED & FORGED STEEL LEAVES

Beautiful leaves to adorn all styles of iron work.



11-136

2" W x 11" H, 10 gauge



11-137

2" W x 11" H, 10 gauge



11-134

1-9/16" W x 6-5/16" H, 10 gauge

This lovely panel, item 14-34, uses item 11-133.

23-5/8" W x 29-17/32" H,
matl. size 1/2" Ø



11-133

1-9/16" W x 6-5/16" H, 10 gauge

FORGED STEEL LEAVES



692/8

4" W x 13" H,
4mm thick



692/9

2" W x 7" H,
4mm thick

Shown
692/8

ALL DIMENSIONS ARE APPROXIMATE.

HEAVY STAMPED BRASS LEAVES

Adorn all types of metal work with these brass leaves.



11-136-BR

2-3/4" W x 10-1/8" H, 10 gauge



11-137-BR

2-5/8" W x 11-3/4" H, 10 gauge



11-134-BR

1-7/8" W x 6-5/8" H, 10 gauge



11-133-BR

1-9/16" W x 6-1/8" H, 10 gauge



2-3/4" W x 2-3/8" H
4mm thick

1463/14

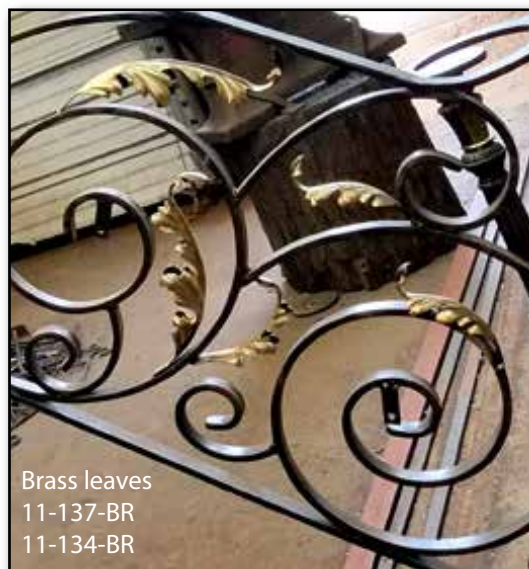
1463/15



1-9/16" W x 4-5/16" H
4mm thick

1463/16

1463/17

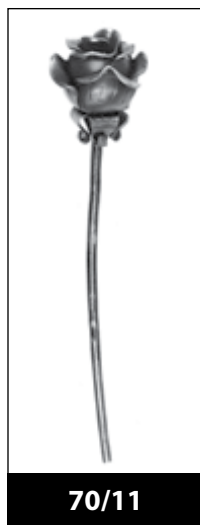


Brass leaves
11-137-BR
11-134-BR

ALL DIMENSIONS ARE APPROXIMATE.

ROSES AND LEAVES

FORGED ROSES & LEAVES



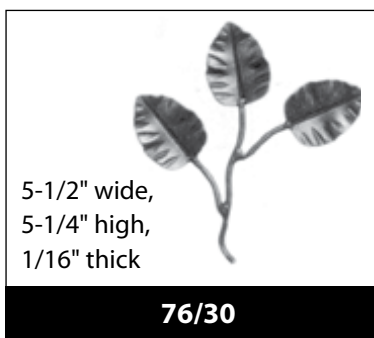
70/11

Approx. 2-3/8" dia. rose, 6-1/2" long



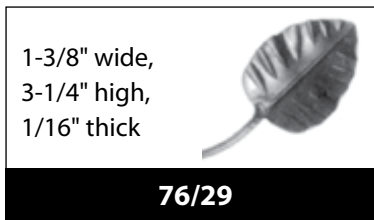
70/12

Approx. 1-1/2" dia. rose, 6-1/2" long



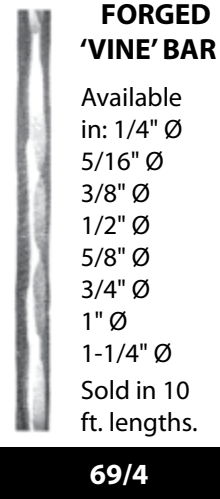
76/30

5-1/2" wide, 5-1/4" high, 1/16" thick



76/29

1-3/8" wide, 3-1/4" high, 1/16" thick



FORGED 'VINE' BAR

Available in: 1/4" Ø, 5/16" Ø, 3/8" Ø, 1/2" Ø, 5/8" Ø, 3/4" Ø, 1" Ø, 1-1/4" Ø
Sold in 10 ft. lengths.

69/4



FORGED WOOD GRAIN BAR

Available in: 3/8" Ø, 1/2" Ø, 5/8" Ø, 3/4" Ø, 1" Ø, 1-1/4" Ø, 1-1/2" Ø
Sold in 10 ft. lengths.

70/14

STAMPED ROSES & LEAVES



ITEM 71/2

Medium Rose Approx. 2-1/16" Ø

ITEM 71/3

Large Rose Approx. 2-11/16" Ø

ITEM 71/1

Small Rose Approx. 1-1/2" Ø



ROSE

Approx. 2-3/4" dia. rose 7-7/8" long



FRO 10

5-1/8" wide 5-1/2" high 1/16" thick



FRO 3

1-3/4" high 1/16" thick



FRO 5

2-3/8" high 1/16" thick



76/34

1" W x 2" H 22 Ga.



76/33

1-3/16" W x 2-15/16" H 22 Ga.



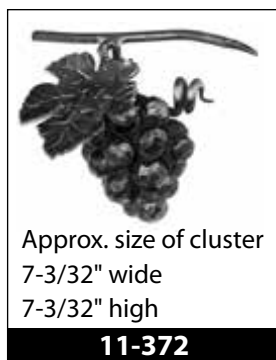
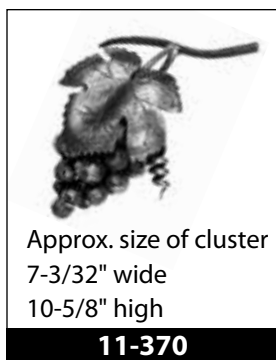
76/32

Approx. 1-3/4" W x 3-1/4" H 22 Ga.

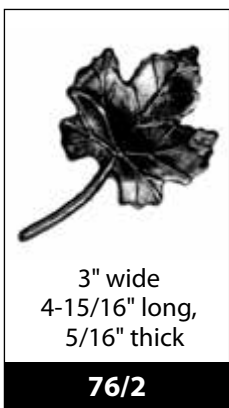
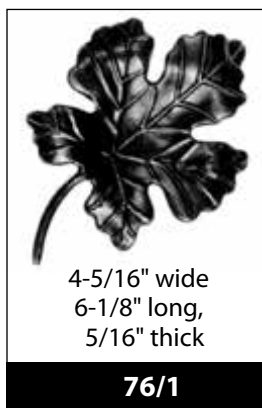


ALL DIMENSIONS ARE APPROXIMATE.

GRAPES AND GRAPE LEAVES



CAST STEEL GRAPE LEAVES



STAMPED GRAPE LEAF



FORGED 'VINE' BAR



Available in 1/4" Ø, 5/16" Ø, 3/8" Ø,
1/2" Ø, 5/8" Ø, 3/4" Ø, 1" Ø or 1-1/4" Ø.
Sold in 10 ft. lengths.

69/4

VINE TENDRILS



1/4" Ø, Approx.
8" long

73/13

VINE ACCESSORY

(not to scale)



Approx. 11-1/2" long.
Forged from
1/4" Ø bar.

73/2

SPIRAL

(not to scale)



Approx.
1-3/16" wide x
6" high
Forged from
3/16" Ø bar.

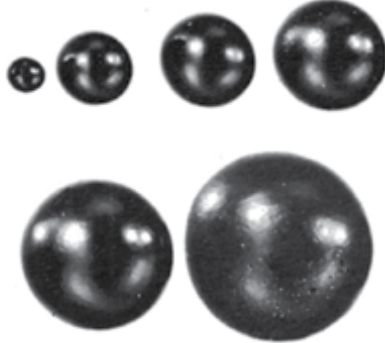
3-116

ALL DIMENSIONS ARE APPROXIMATE.

FORGED BALLS AND HOLLOW BALLS

All weldable.

FORGED STEEL BALLS 88/1



Sizes

1/2"	1-1/2"	3-1/2"
5/8"	2"	4"
3/4"	2-3/8"	4-7/8"
1"	2-3/4"	6"
1-1/4"	3-1/4"	

PLEASE NOTE THAT BALLS
CAN BE $\pm 1/16$

STAINLESS STEEL BALLS



SOLID
HOLLOW

AISI 304 Item	AISI 316 Item	Size	Thread
WK20	WK920	13/16"	M6
WK25	WK925	1"	M6
WK30	WK930	1-3/16"	M6
WK40	WK940	1-1/2"	M8
WK50	WK950	2"	M8
WK60	WK960	2-3/8"	M8
WK80	-----	3-1/8"	M10
WK100	WK9100	4"	M10
WK120	-----	4-3/4"	M10

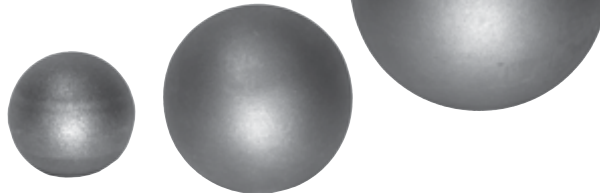
SQUASHED STEEL BALLS



1-392-5	1-392-4	1-392-3	1-392-2	1-392-1	1-392
1-1/2" Ø	1-9/16" Ø	1-3/4" Ø	2-3/16" Ø	2-5/8" Ø	3-1/8" Ø
7/8" depth	1" depth	1-1/8" depth	1-3/8" depth	1-9/16" depth	2" depth

HOLLOW STEEL BALLS BY GRANDE FORGE

SPM27 1" Ø (26.9mm)	SPM120 4-3/4" Ø (120mm)
SPM33 1-5/16" Ø (33.7mm)	SPM153 6" Ø (153mm)
SPM42 1-5/8" Ø (42.4mm)	SPM203 8" Ø (203mm)
SPM48 1-15/16" Ø (48.3mm)	
SPM60 2-3/8" Ø (60.3mm)	
SPM76 3" Ø (76.1mm)	
SPM89 3-1/2" Ø (88.9mm)	
SPM101 4" Ø (101.6mm)	



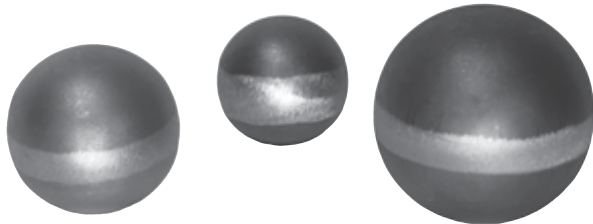
SOLID BRASS BALLS

Full bodied brass balls with a threaded hole. Polished and lacquered. Items for indoor use only.

KL 15	9/16" Ø	M6
KL 20	3/4" Ø	M6
KL 25	1" Ø	M6
KL 30	1-3/16" Ø	M8
KL 40	1-9/16" Ø	M10



HOLLOW STEEL BALLS



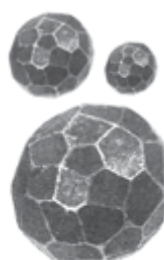
1-394-1	1-9/16" Ø (40mm)
1-394-2	2" Ø (50mm)
1-394-4	2-3/4" Ø (70mm)
1-394-6	3-15/16" Ø (100mm)
1-394-8	5-15/16" Ø (150mm)

HOLLOW STEEL HEMISPHERES



1-395-1	1-9/16" Ø
1-395-2	2" Ø
1-395-4	2-3/4" Ø
1-395-6	3-15/16" Ø
1-395-8	5-15/16" Ø

STEEL DIAMOND BALLS



1-396-3	3/4" Ø
1-396-4	1" Ø
1-396-7	1-9/16" Ø
1-396-8	2" Ø
1-396-10	2-3/4" Ø
1-396-13	3-15/16" Ø

HOLLOW BRASS BALLS

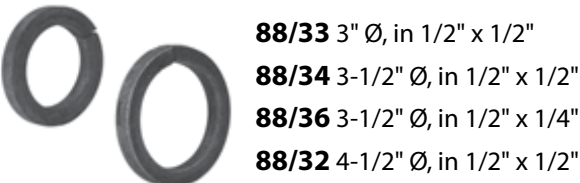
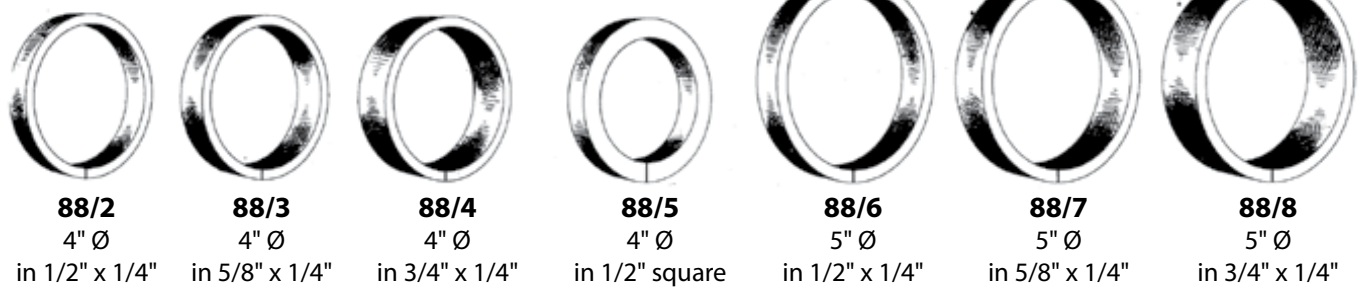
Hollow brass balls with a threaded hole. Polished and lacquered. Items for indoor use only.

KL 50	2" Ø	M10
KL 75	3" Ø	M10
KL 100	3-15/16" Ø	M12
KL 130	5-1/8" Ø	M12

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE CIRCLES AND OVALS

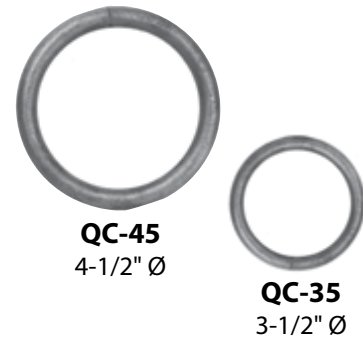
FORGED STEEL RINGS



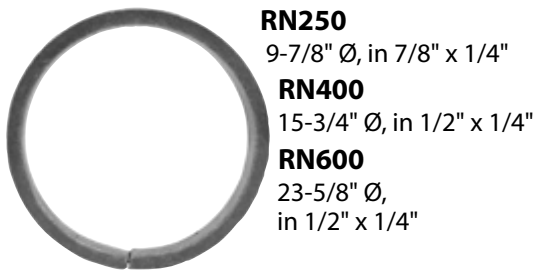
1/2" SQ. STEEL TUBE



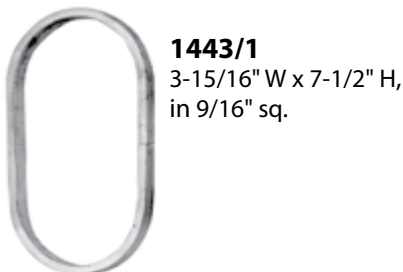
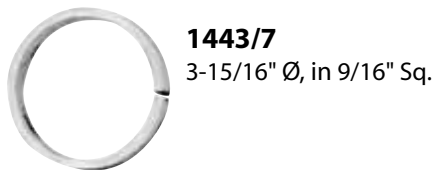
1/2" Ø STEEL TUBE



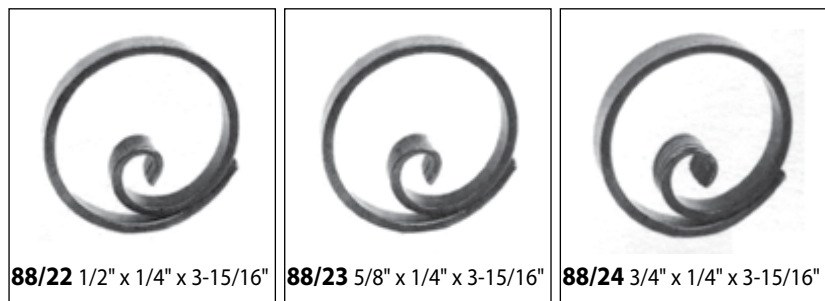
LARGE DIAMETER CIRCLES



ALUMINUM CIRCLES



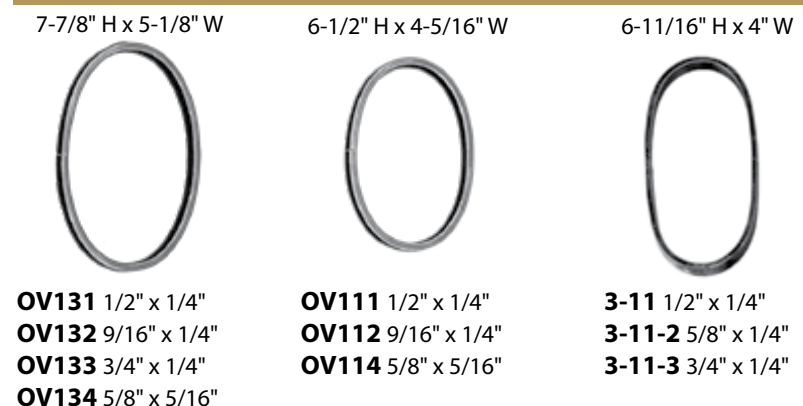
SCROLLED CIRCLES WITH FISHTAIL ENDS



DECORATIVE CAST STEEL CIRCLES



HOT FORMED OVALS



ALL DIMENSIONS ARE APPROXIMATE.

CAGES AND OTHER DECORATIVE ELEMENTS



**ROUND
CAGE**



15/17

2-3/4" x
2-3/4"



15/1

1/2" sq. end
5-1/8" H x
2-3/8" W



15/3

5/8" sq. end
5-3/4" H x
2-9/16" W



15/4

3/4" sq. end
6-1/2" H x
3-1/8" W



15/2

3/4" sq. end
5-1/2" H x
3-1/8" W



15/6

1" sq. end
7-1/16" H x
3-1/4" W

3-126

1-1/4" sq. end
9-13/16" H x
4-5/16" W

ALUMINUM



772/8

9/16" sq. end
2-3/8" W
5-1/8" H

772/9

1" sq. end
3-3/4" W
7-1/16" H

1443/13

5/8" sq. end
2-31/32" W
5-7/8" H

BRASS



160/L/1

1/2" sq. end
2-3/4" W
6" H

160/L/2

5/8" sq. end
2-3/4" W
6" H

1466/10

3/4" sq. end
3-1/2" W
6-11/16" H

DRIP TRAYS

Plain drip trays available in the following sizes:

79/10 2" Ø x 1 mm thick

79/11 2-3/4" Ø x 1 mm thick

79/8 3-15/16" Ø x 1 mm thick

79/12 4-3/4" Ø x 1 mm thick

79/13 5-1/2" Ø x 1 mm thick



CANDLE HOLDERS



1¹¹/₃₂" H x 1¹/₂" W
Inside diameter 1¹⁵/₃₂"

78/1



1¹¹/₃₂" H x 1⁹/₃₂" W
Inside diameter 1³/₁₆"

78/5



1³/₈" H x 1¹/₄" W
Inside diameter 1³/₁₆"

78/4

CAST BRONZE BOBECHEs / CANDLE CUPS -Threaded 1/8IP



MDC05.057

2-3/4" W x 2-1/2" H



MDC05.141

1-1/4" W x 2-3/8" H



MDC05.142

1-1/2" W x 2" H



MDC05.140

1-5/8" W x 1-1/2" H

CAST BRONZE ACCENT FACES



MDC05.001

2-1/2" W x 3-3/8" H



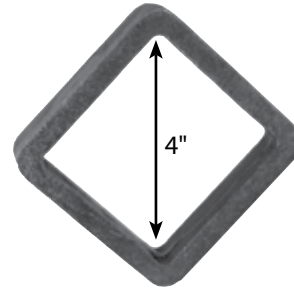
MDC05.032

1-7/8" W x 3-1/8" H

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE ELEMENTS

GATE DIAMONDS



88/20

4" wide
Material 3/4" x 5/16"

DECORATIVE CAST BRONZE BANDING



MDC05.070

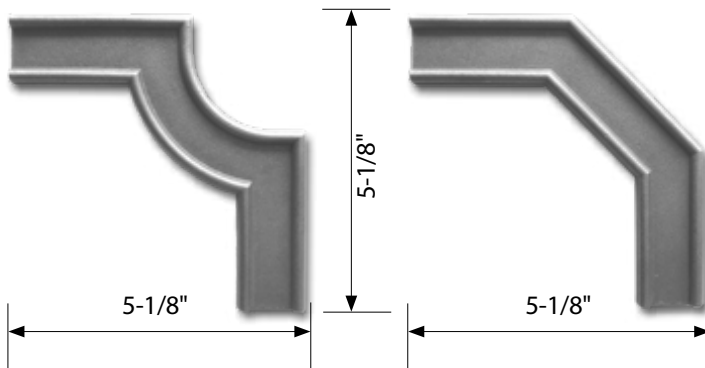
12" W x 7/8" H



MDC05.136

13-1/2" W x 7/8" H

DECORATIVE STEEL BANDING

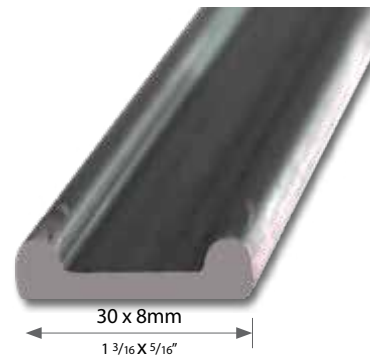


BCLA38

1-3/16" x 5/16" Material
5-1/8" W x 5-1/8" H

BCLB38

1-3/16" x 5/16" Material
5-1/8" W x 5-1/8" H



BCL38

1-3/16" x 5/16" Material
9'10" Long

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE ELEMENTS

Beautiful letters for house, pub or commercial nameplates.

Our standard font is 'Century Old Style BT' — available in six different sizes.

Easy to order, just quote the code number of the letter size required from the table below, and state which letters or numbers you need. **Custom sizes and fonts available upon request.**

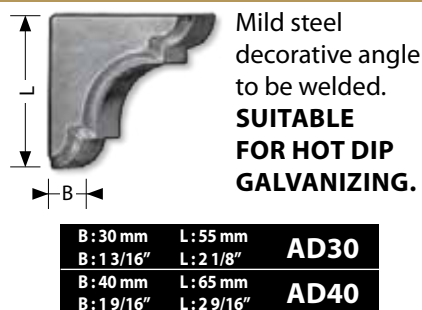
ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789 &

SIZE	3" high 1/4" thick	4" high 1/4" thick	6" high 1/4" thick	8" high 1/4" thick	10" high 1/4" thick	12" high 1/4" thick
Order Code	98/5	98/1	98/7	98/8	98/9	98/10

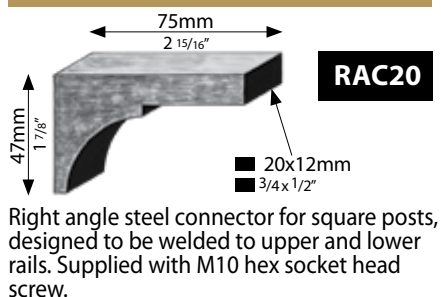
RIVETS

- 12-67-3** 1" long
D1: 3/8"
D2: 1/4"
- 12-68-3** 1-3/8" long
D1: 1/2"
D2: 5/16"
- 12-69-4** 1-1/2" long
D1: 5/8"
D2: 3/8"
- 

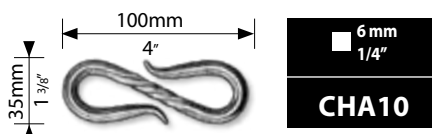
DECORATIVE ANGLE



STEEL CONNECTOR

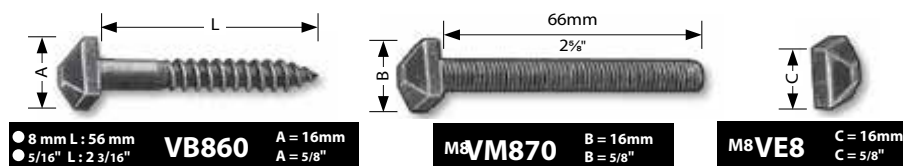


STEEL LINK OF CHAIN

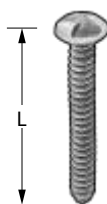


FORGED DECORATIVE SCREWS AND NUTS

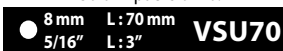
Maximum torque is 18N.m. - **Sold in packages of 10**



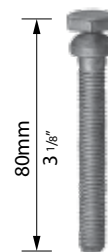
One way security screw, heat threaded (5/16" x 3").
Unscrewing will be impossible.



Sold in packs of 10.



This is a security lock screw once the hexagonal head has been broken off.



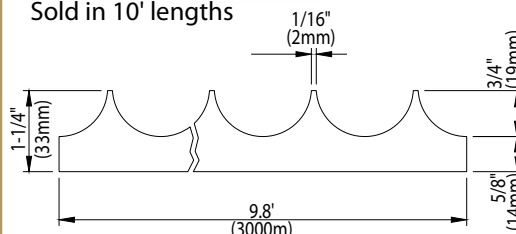
Sold in packs of 10.



GALVANIZED STEEL ANTI-THEFT RACK / LOAFER RAIL

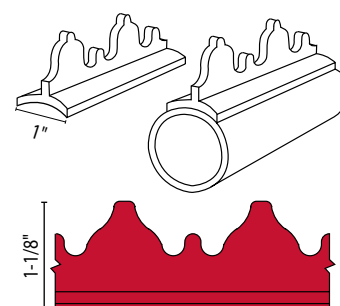


Sold in 10' lengths



4445

Sold in 20' lengths



ALL DIMENSIONS ARE APPROXIMATE.

LARGE HAND FORGED HANDLES

MORE
HANDLES CAN BE
SEEN ON OUR
WEBSITE



AFH003

3-1/4" wide x 24" high
14" center to center
of leaves
4-1/2" deep



AFH001

1" wide x 26" high
18-1/2" center to center
for mounting bolts
Bolt is 4" long

AFH004

3" wide x 24-1/2" high
20-1/2" center to center
of leaves
4-3/4" deep



AFH002

7" wide x 39" high
24" center to center
of handle
5-1/2" deep



Copyright:
Yuri Chernyavsky

ARTEFERRO

ALL DIMENSIONS ARE APPROXIMATE.

HOME DECOR COLLECTION

HAND FORGED HANDLES



12-29

2-3/8" wide x 14-11/16" high
15-5/8" center to center for mounting holes
6.5mm diameter holes



12-30

3" wide x 14" high
10-3/8" center to center for mounting holes
6.5mm diameter holes



12-32

5-7/8" wide x 18-7/8" high
17-5/16" center to center for mounting holes
8.5mm diameter holes

WINE RACK



WRK7

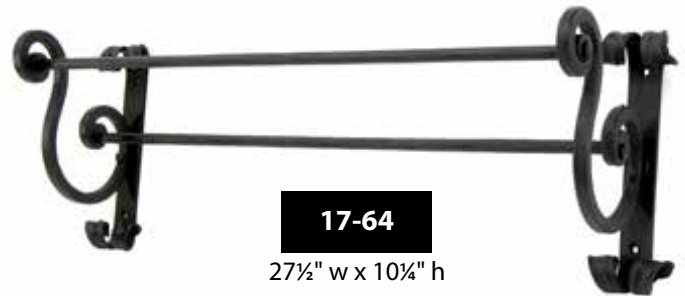
Painted & patinated wine rack.
Holds 18 bottles of wine.
27" w x 39" h x 8" d



SEP8

3-1/2" tall back plate
2-5/8" center to center for mounting holes
2-5/16" pull knob
unpainted

TOWEL RACK



17-64

27½" w x 10¼" h

COAT/HAT RACK



17-61-1

26" w x 4" h x 3¼" d

ALL DIMENSIONS ARE APPROXIMATE.

HOME DECOR COLLECTION

UMBRELLA STAND



17-62

9½" w x 20½" h

HAND FORGED PLANT HANGERS



17-119

12½" w x 12¼" h



17-120

9" w x 11¹³/₁₆" h

HAND FORGED HOOKS



17-69

4¾" w x 6" h



17-72

2¾" w x 5½" h

CANDLE HOLDER



Candle not included.

17-105

8¾" w x 2³/₁₆" h

BOTTLE OPENERS



BHB001

3½" long



BHB003

4½" long



BHB005

4¾" long



BHB002

5" long



BHB004

6½" long



BHB006

5" long

ALL DIMENSIONS ARE APPROXIMATE.

FLOWER PANELS



40/40A and 40/40C

21-5/8" diameter
40/40A: Unpainted
40/40C: Painted and Galvanized



40/42A and 40/42C

21-5/8" diameter
40/42A: Unpainted
40/42C: Painted and Galvanized



40/43A and 40/43C

21-5/8" diameter
40/43A: Unpainted
40/43C: Painted and Galvanized



40/45A and 40/45C

21-5/8" diameter
40/45A: Unpainted
40/45C: Painted and Galvanized



40/47A and 40/47C

21-5/8" diameter
40/47A: Unpainted
40/47C: Painted and Galvanized



40/49A and 40/49C

21-1/4" wide x 27-3/16" high
40/49A: Unpainted
40/49C: Painted and Galvanized



40/50A and 40/50C

20-7/8" wide x 27-3/16" high
40/50A: Unpainted
40/50C: Painted and Galvanized



40/51A and 40/51C

20-7/8" wide x 27-3/16" high
40/51A: Unpainted
40/51C: Painted and Galvanized



40/53A and 40/53C

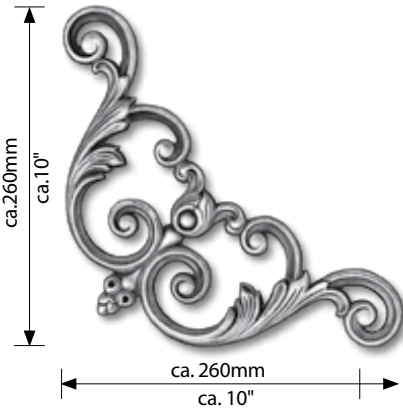
20-7/8" wide x 27-3/16" high
40/53A: Unpainted
40/53C: Painted and Galvanized

ALL DIMENSIONS ARE APPROXIMATE.

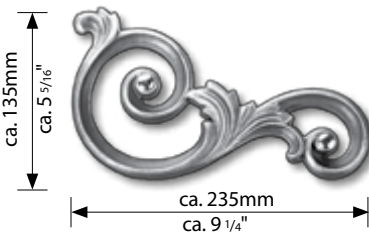
DOUBLE FACED STEEL CASTINGS BY GRANDE FORGE

Decorative double-faced steel castings, with 16x8 mm (5/8" x 5/16") steel framing. Steel castings will shrink during the cooling process. As a result expect some variance in each casting from the dimensions shown in the catalog.

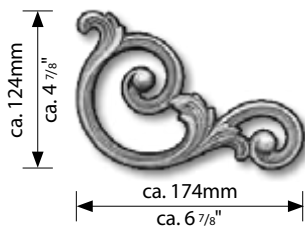
SUITABLE FOR WELDING AND GALVANIZING



FDF27



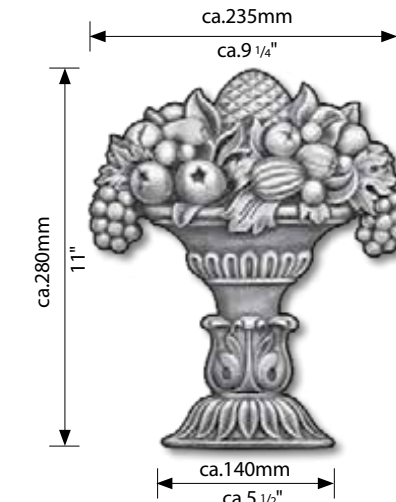
FDF24



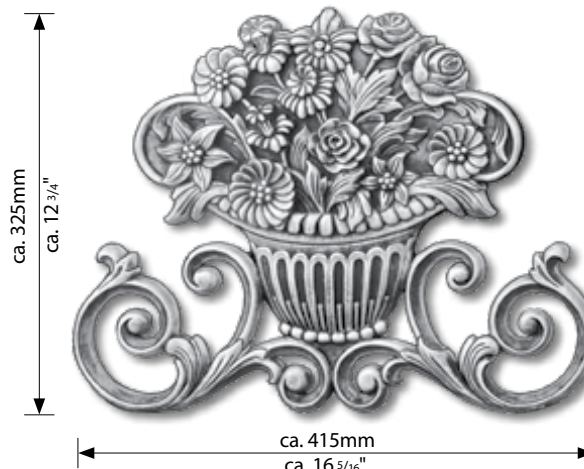
FDF18



FDF33



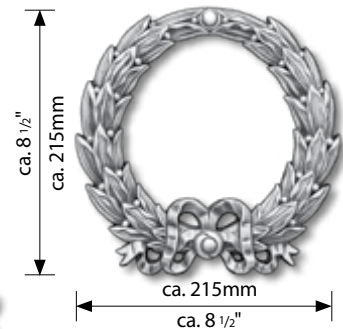
FDF76



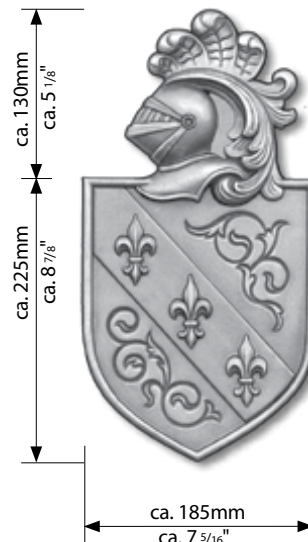
FDF40



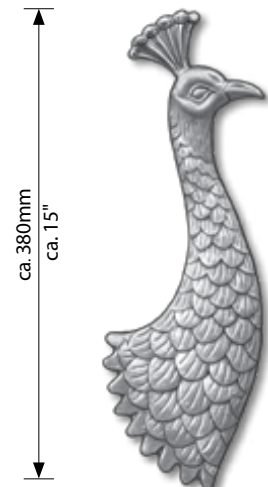
FDF75



FDF23



FDF22

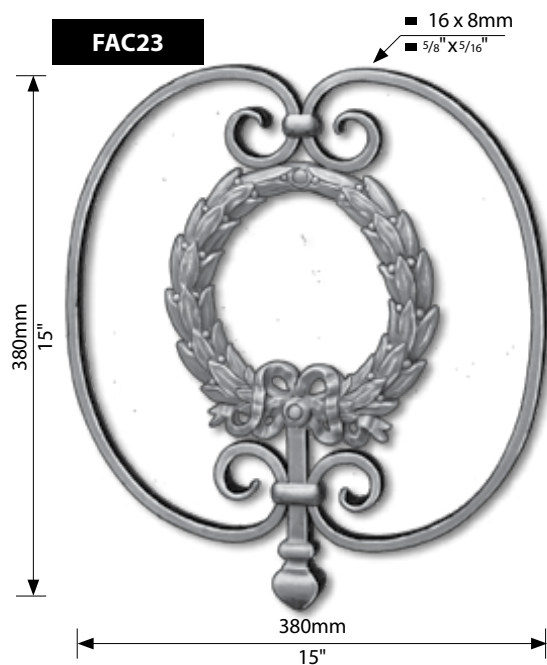
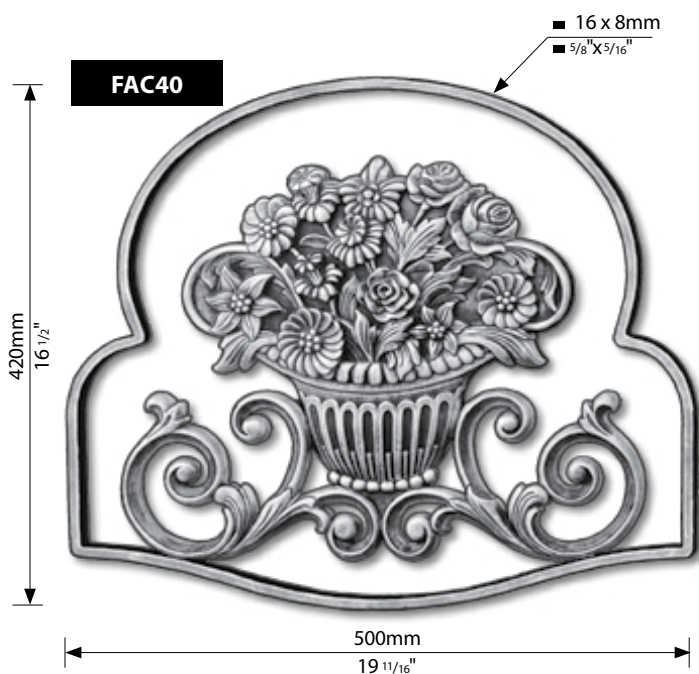
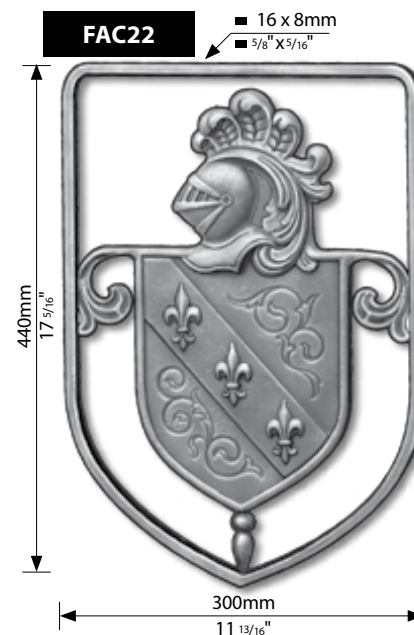
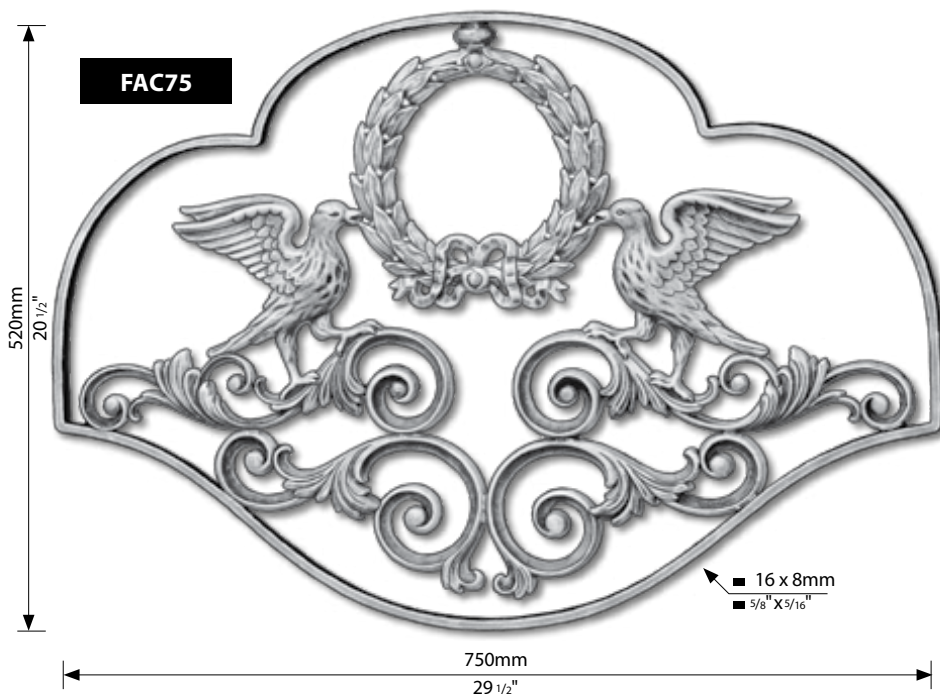
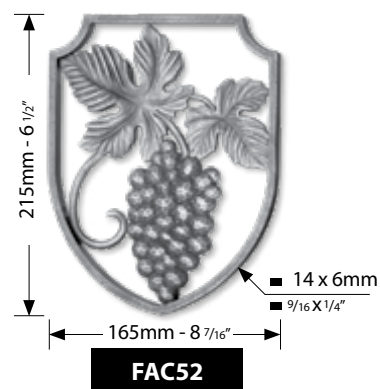
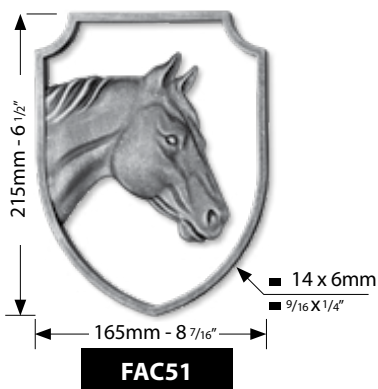
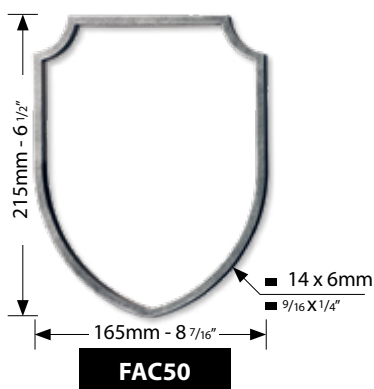


FDF38

grande forge

ALL DIMENSIONS ARE APPROXIMATE.

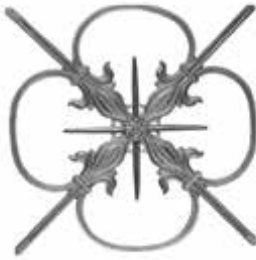
DOUBLE FACED STEEL CASTINGS BY GRANDE FORGE



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL CAST IRON PANELS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



8501

19" W x 19" H



626 (SF)

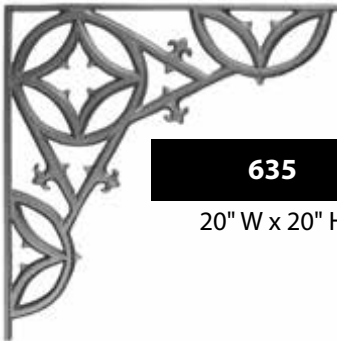
21¾" W x 16¾" H
½" Thick



8656

24¾" W x 22¼" H

BRACKETS



635

20" W x 20" H



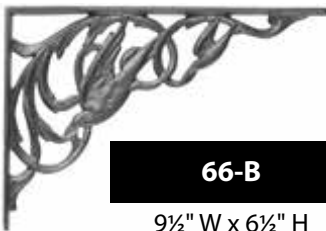
6921

14½" W x 22½" H



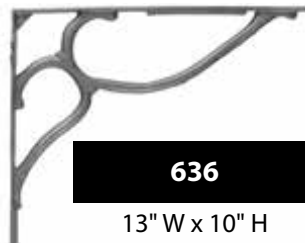
67-A

17½" W x 8½" H



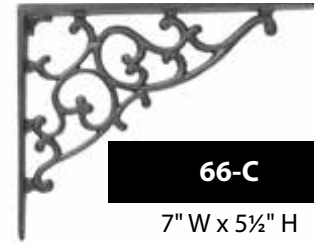
66-B

9½" W x 6½" H



636

13" W x 10" H



66-C

7" W x 5½" H



66

12" W x 8" H



66-S

13" W x 6½" H



9140

20½" W x 9" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON VALANCES/INSERTS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



7378 (SF)

23 $\frac{3}{8}$ " W x 4 $\frac{1}{2}$ " H



9081 (SF)

15" W x 5" H



9468

15 $\frac{3}{4}$ " W x 2 $\frac{3}{4}$ " H



A-2

25 $\frac{5}{8}$ " W x 4 $\frac{1}{8}$ " H



A-3

31 $\frac{3}{8}$ " W x 4 $\frac{1}{8}$ " H



1347

31 $\frac{1}{2}$ " W x 4 $\frac{1}{4}$ " H



1348

31 $\frac{1}{2}$ " W x 5" H



9048

18 $\frac{3}{8}$ " W x 4 $\frac{1}{4}$ " H



7314

14 $\frac{7}{8}$ " W x 3 $\frac{3}{4}$ " H



1345

33 $\frac{3}{4}$ " W x 5" H



9347 (SF)

8 $\frac{5}{8}$ " W x 15" H



9345 (SF)

7 $\frac{1}{2}$ " W x 18" H



9346 (SF)

8" W x 20 $\frac{1}{2}$ " H



9360 (SF)

11 $\frac{1}{2}$ " W x 22" H

ALL DIMENSIONS ARE APPROXIMATE.

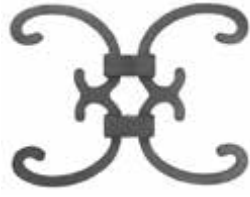
ORNAMENTAL IRON PICKET CASTINGS

FITS OVER 1/2"



143

5 3/4" W x 4 3/4" H



679-XL

8 3/4" W x 6 1/2" H



679

4" W x 4" H



147-XS

5 1/4" W x 4" H



19

7 3/4" W x 15 1/2" H



32

8 3/4" W x 16 1/4" H



34

8 3/4" W x 10 1/4" H



35

8 3/4" W x 15 1/2" H



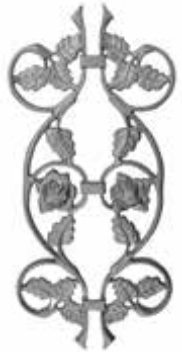
39

8" W x 15 1/2" H



60-X

8 3/4" W x 15 1/2" H



76

7 3/4" W x 16 3/4" H



76-S

7 3/4" W x 11 3/4" H



144

7 3/4" W x 13" H



858

8 1/2" W x 15 3/4" H



30

7 1/4" W x 14 1/2" H



30-X

6 1/2" W x 14 3/8" H



145

6 1/4" W x 7 3/4" H



8332

5 3/4" W x 14 3/4" H



146

6 1/2" W x 12 1/2" H



147

8 3/8" W x 18" H



8330

7" W x 18" H



8333

6 3/4" W x 17" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON PICKET CASTINGS

FITS OVER 1/2"



33

8" W x 15" H

33-E

6¾" W x 13" H

33-XS

6" W x 12" H



641

7¾" W x 17½" H

641-E

6⅝" W x 16¾" H



639

3" W x 8" H



31-XL

8½" W x 10¼" H



31

8¼" W x 11¼" H



95

7" W x 14½" H



35-B

8" W x 16⅝" H

FITS OVER 5/8"



7837

7¾" W x 11½" H



7836

7¼" W x 5¾" H

FITS OVER 3/4"



33-XL

8¾" W x 15" H



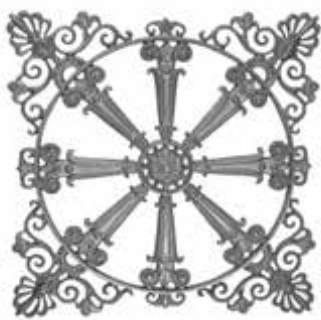
641-XL

7⅝" W x 17¼" H

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE CIRCLES AND WASHERS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



618-A (SF)

21" W x 21" H



617 (SF)

22¼" Ø



619 (SBO)

17½" Ø



7510 (SF)

15" Ø



8325

10½" Ø
½" thick



8334 (SF)

10" Ø
½" thick
1½" hole



8670 (SF)

9¾" Ø
⅝" thick
1½" hole



8675 (SF)

9⅞" Ø
1" thick
⅞" hole



8609 (SF)

6" Ø
½" thick
1½" hole

GRATES, VENTS AND GRILLES



4½" depth

698

22" W x 14" H



4¼" depth

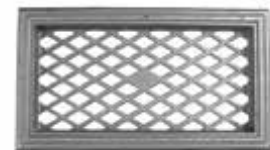
698-XS

17" W x 12" H



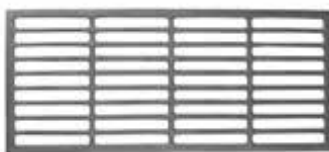
698-F-CI

21½" W x 13¾" H
cast iron



699

17½" W x 9½" H
grid size: ⅞" x 1½"



706

15¾" W x 6⅞" H
grid size: ½" x 3½"



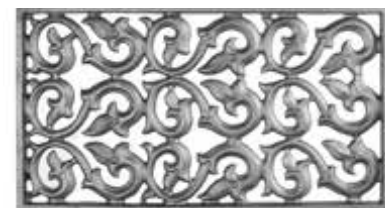
706-XL

17¼" W x 12¼" H
grid size: ½" x 16"



9476 (SF)

12½" W x 6½" H
1/4" thick



708 (SF)

20¼" W x 11¼" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS - FURNITURE LEGS

Queen Anne



9931-L

22-1/4" H

9930-L

15" H

TOP - 1-1/4" Sq. beveled
FOOT - 1" Sq.

Gothic



9941-L

22" H

9942-L

27" H

TOP - 90° triangular
inset slot which accepts
3/4" H x 1-1/4" W x 3/4" D
FOOT - 1-1/8" Sq. pad

Hammered effect



9958

15-1/2" H

9957

21" H

9956

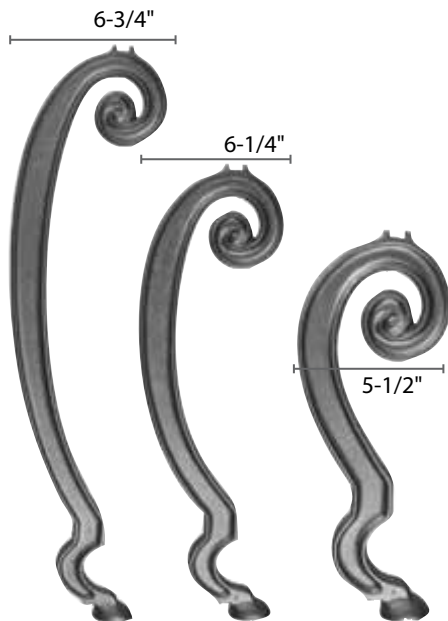
24" H

9955

28" H

TOP - 1-1/4" Sq.
FOOT - 1" Sq.

Ram Horn



9965

28" H

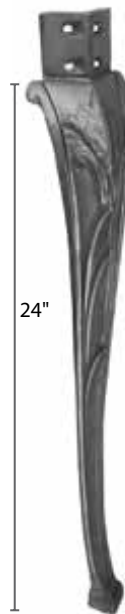
9966

21" H

9967

14-1/4" H

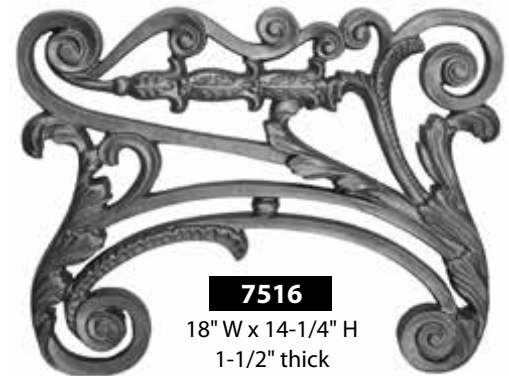
Sculpted Leaf



9970

26-1/4" H

4-3/4" W



7516

18" W x 14-1/4" H

1-1/2" thick



9477

5" W x 15-3/8" H

3/4" thick, 2" x 1-1/4" base

Use as leg, under-glass design, etc.

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

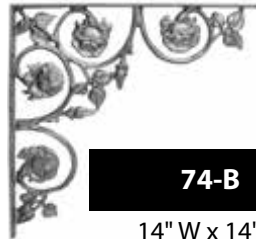
ROSE

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



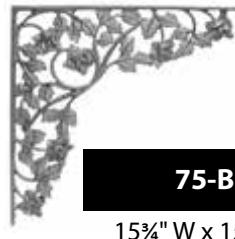
75-A

21½" W x 21½" H



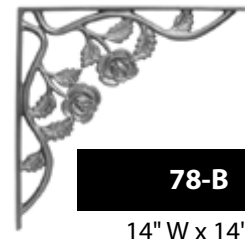
74-B

14" W x 14" H



75-B

15¾" W x 15¾" H



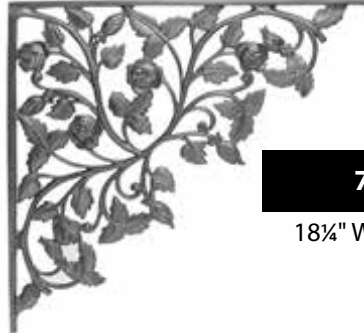
78-B

14" W x 14" H



70

18" W x 9½" H



74-X

18¼" W x 18¼" H



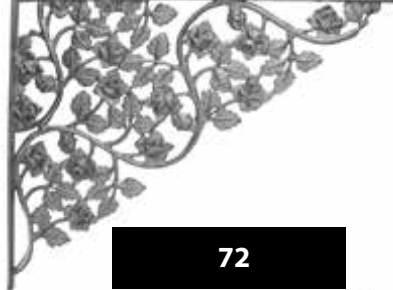
74-A

16" W x 16" H



8370

18¾" W x 11¾" H



72

23¼" W x 19½" H



73

26¼" W x 5½" H



79

19" W x 2¾" H



75

7" W x 27" H



74-C

8" W x 28" H



79-C

10" W x 25" H



78-A

8" W x 25½" H



79-A

7" W x 21¾" H



78-AX

7¾" W x 16¼" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

ROSE

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



77

8" W x 8" H



688 (SF)

8½" Ø



9071

Rose
5½" W x 4½" H



701

8" W x 4¼" H



9070 (SBO)

12" W x 9¾" H



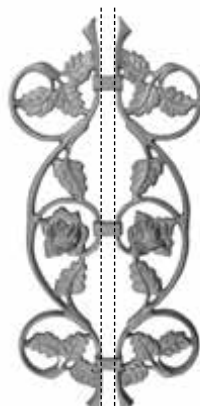
74

8½" W x 14½" H



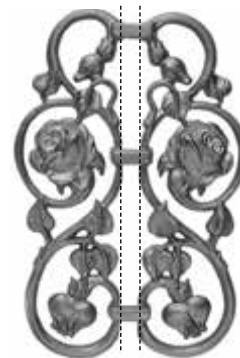
8301

8" W x 20¼" H
rose vine



76

7¾" W x 16¾" H
Fits over 1/2" sq.



76-S

7¾" W x 11¾" H
Fits over 1/2" sq.



71

10¾" W x 27¼" H



687 (SBO)

12½" W x 27½" H



615 (SF)

7¾" W x 28¾" H



9078

8½" W x 21¼" H
rose and berry



9073

8¾" W x 28½" H
rose and berry



9077 (SBO)

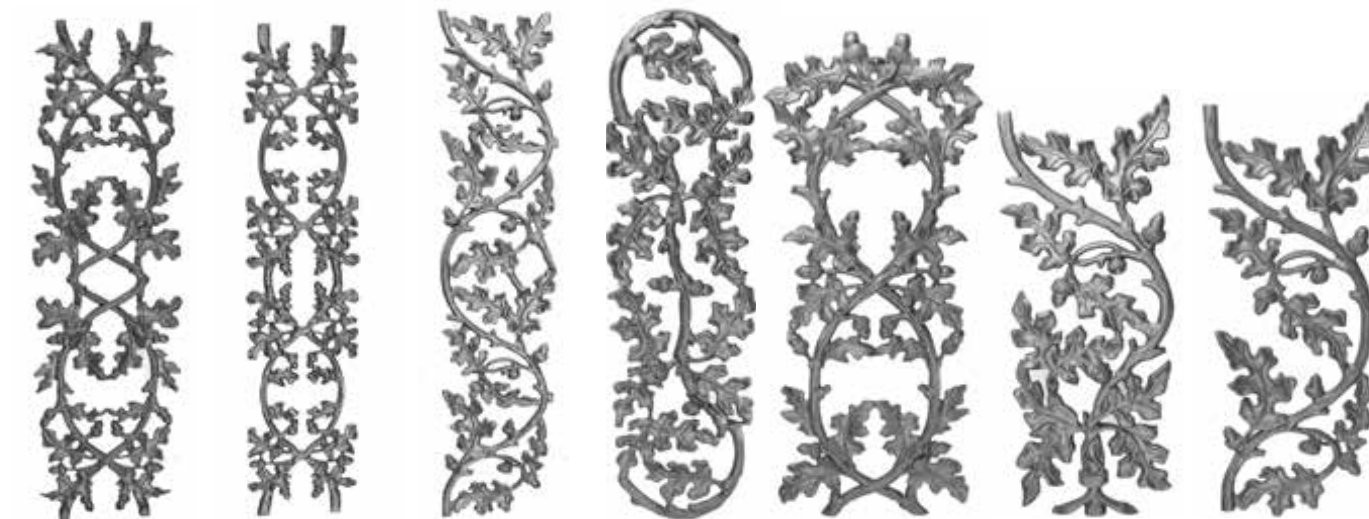
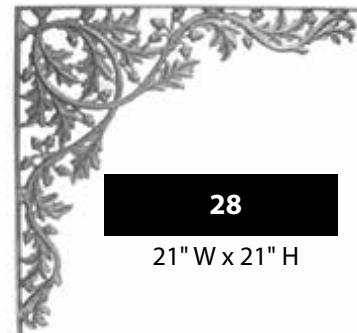
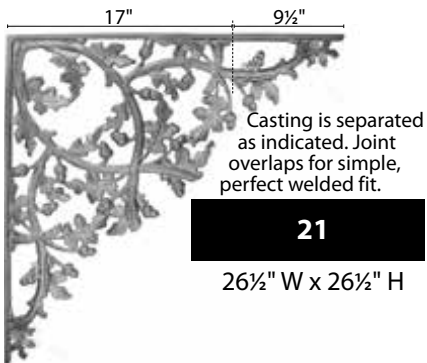
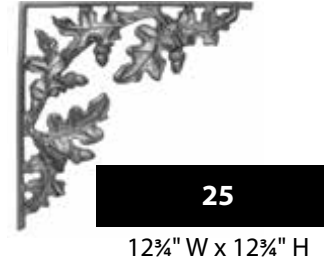
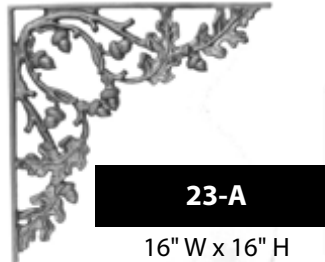
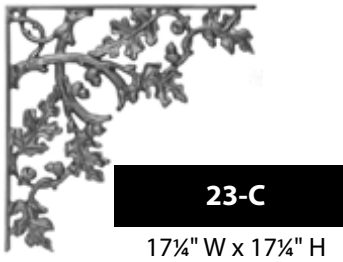
12¼" W x 28¾" H
rose and berry

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

OAK

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



1310	1315	9021	22-B	23	222	22
9¾" W x 33¾" H	7½" W x 33¾" H	7¼" W x 33¾" H	7½" W x 26¼" H	11½" W x 28" H	7¾" W x 20½" H	8" W x 20¾" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

OAK

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



29-A

17½" W x 4½" H



24

20¼" W x 2½" H



27-B

22¾" W x 4¼" H



27-A

23" W x 4¼" H



25-A (SBO)

25½" W x 6½" H



8659

9¼" W x 33½" H



1305

7½" W x 33" H



29

8" W x 27¼" H



L-411

12¼" W x 16¼" H



26-A (SBO)

8½" W x 12" H



L-422

8¼" W x 11½" H
continuous
design panel



26

8½" W x 11" H
starter panel for
continuous design



222-A

9" W x 15" H



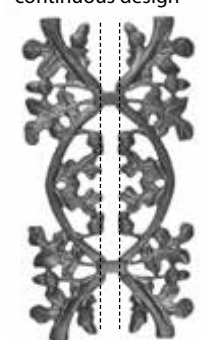
22-A (SBO)

8" W x 23" H



L-423

8¼" W x 20½" H
continuous
design panel



39-LAW

8" W x 15½" H
Fits over 1/2" sq.



222-AXL

8½" W x 27" H



24-A (SBO)

11½" W x 26" H



L-424

12" W x 27¼" H



9923

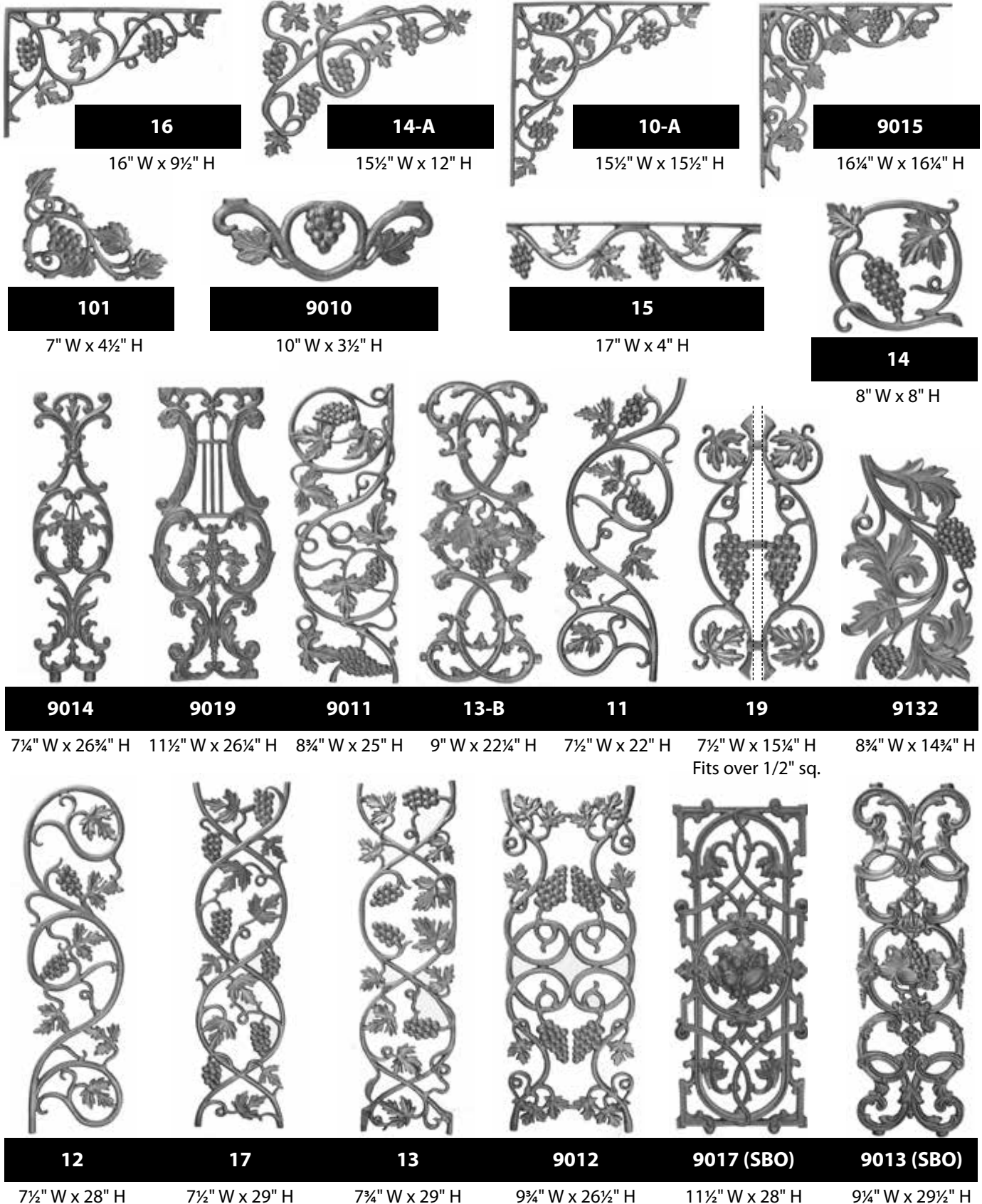
9¼" W x 27" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

VINEYARD

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.

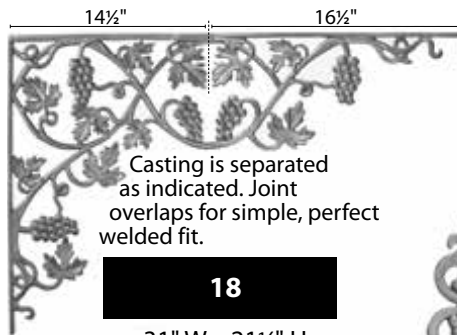


ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

VINEYARD

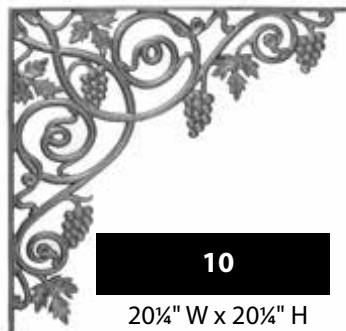
(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



Casting is separated as indicated. Joint overlaps for simple, perfect welded fit.

18

31" W x 21 1/4" H



10

20 1/4" W x 20 1/4" H



14-XL

20" Ø



15-A

26" W x 6" H



15-X

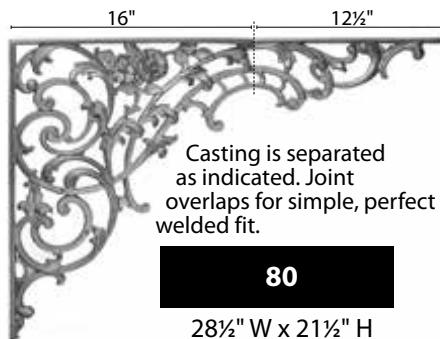
21 1/2" W x 4 1/4" H



9018

27 1/2" W x 6" H

BIRD OF PARADISE



Casting is separated as indicated. Joint overlaps for simple, perfect welded fit.

80

28 1/2" W x 21 1/2" H



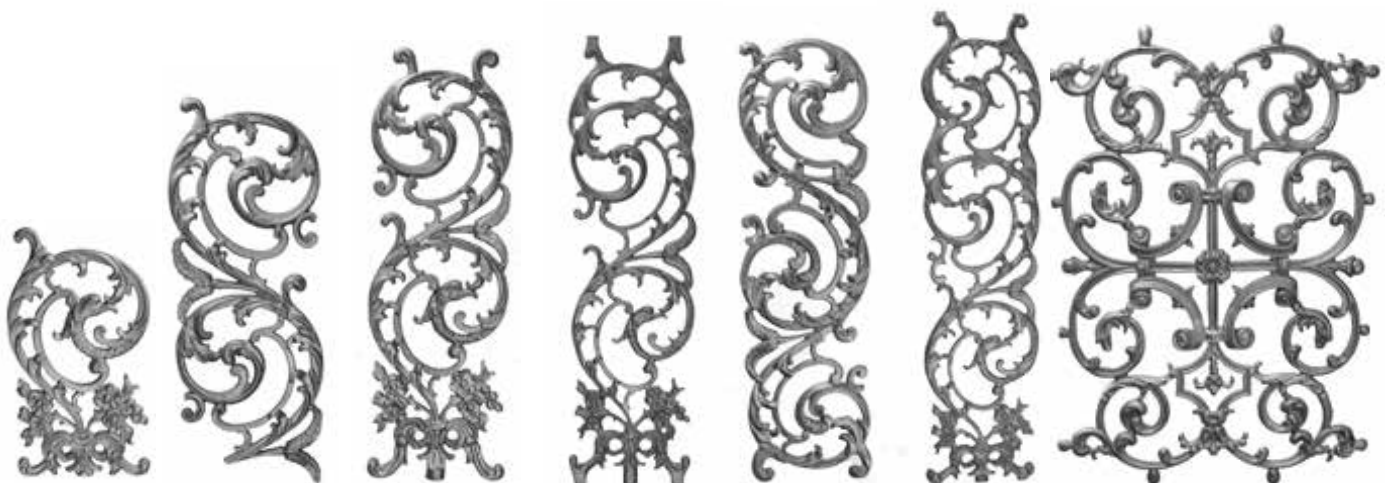
80-A

24 1/4" W x 12" H



9066

23" W x 8 1/4" H



81

82

85

1325

9085

1327

6317 (SBO)

8 1/2" W x 15 1/2" H

8 1/2" W x 22 1/2" H

8 1/2" W x 25" H

7 3/4" W x 28 1/2" H

8 1/2" W x 30" H

8" W x 33 1/4" H

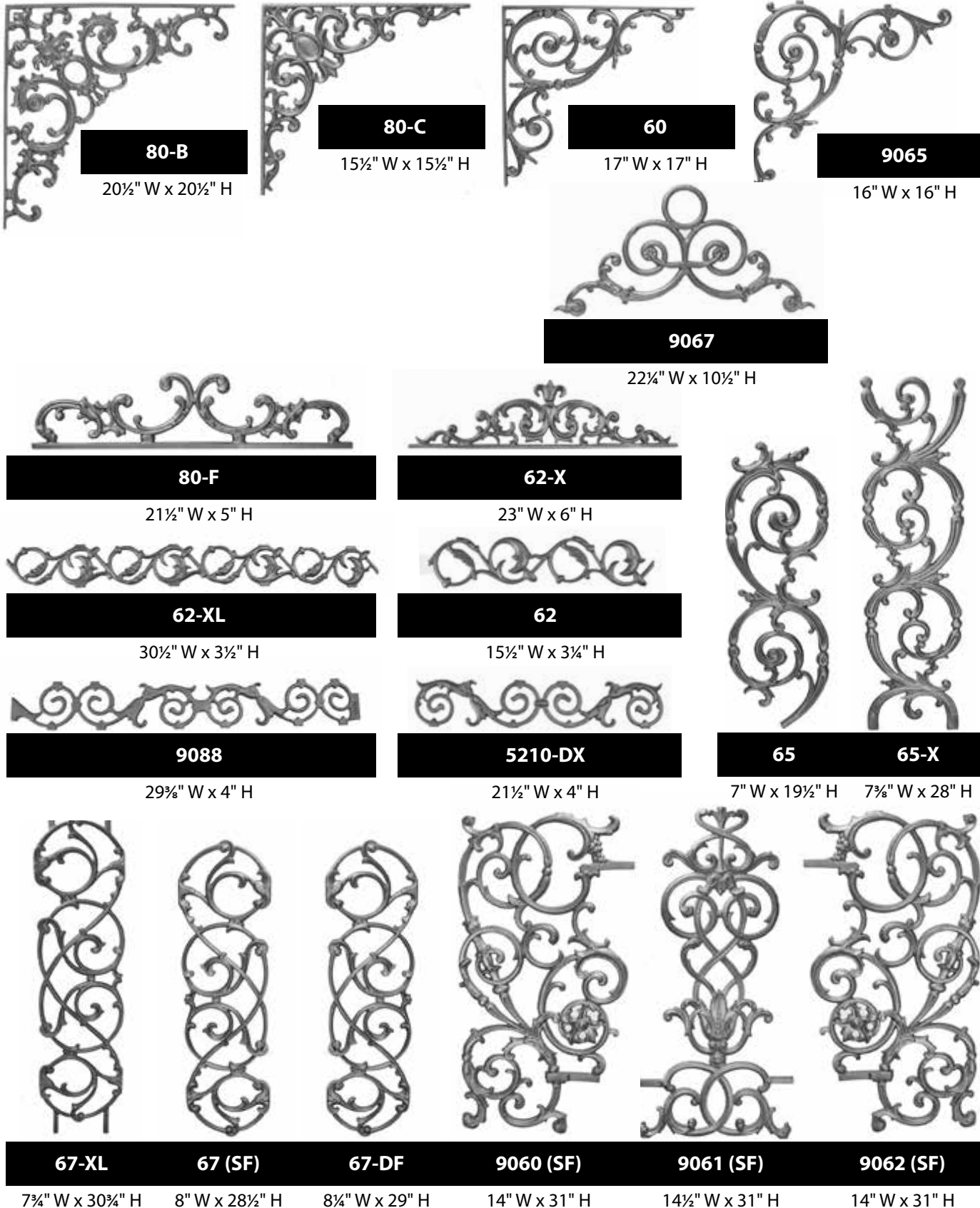
21 3/4" W x 30 3/8" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

PONTALBA

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

IVY LEAF

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



852

17 $\frac{3}{4}$ " W x 14 $\frac{1}{4}$ " H



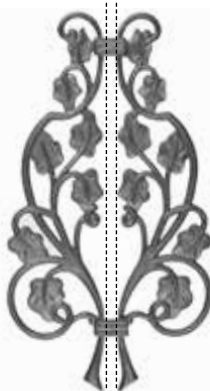
852-XS

12 $\frac{1}{2}$ " W x 7 $\frac{1}{4}$ " H



850

19" W x 4 $\frac{3}{4}$ " H



858

8 $\frac{1}{2}$ " W x 15 $\frac{3}{4}$ " H
Fits over 1/2" sq.



854

8" W x 19 $\frac{1}{4}$ " H



856

8" W x 31" H



8661

8 $\frac{3}{4}$ " W x 33 $\frac{1}{4}$ " H

MORNING GLORY



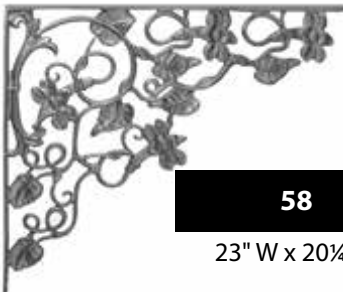
59

29" W x 10 $\frac{3}{4}$ " H



56

16 $\frac{1}{4}$ " W x 17" H



58

23" W x 20 $\frac{1}{4}$ " H



52

9 $\frac{1}{2}$ " Ø



54

9 $\frac{1}{2}$ " W x 28 $\frac{1}{2}$ " H



55

6 $\frac{1}{2}$ " W x 31 $\frac{1}{2}$ " H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

PASSION FLOWER

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.



96-B (SBO)

21¼" W x 21¼" H



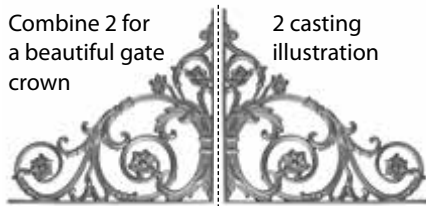
9092

30" W x 10¼" H



96-D (SBO)

19½" W x 4¾" H

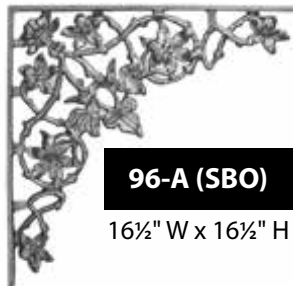


Combine 2 for
a beautiful gate
crown

2 casting
illustration

50

18" W x 17½" H



96-A (SBO)

16½" W x 16½" H



96 (SBO)

8½" W x 19¼" H



96-C (SBO)

12" W x 27¼" H



9091

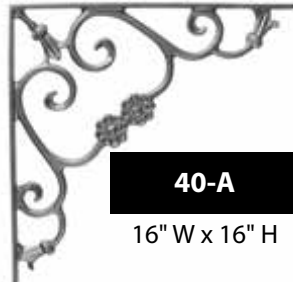
5" W x 28½" H

BELL FLOWER



40

17¼" W x 9½" H



40-A

16" W x 16" H



44

6¼" W x 31½" H



42

7" W x 16½" H



46

7¼" W x 6¼" H

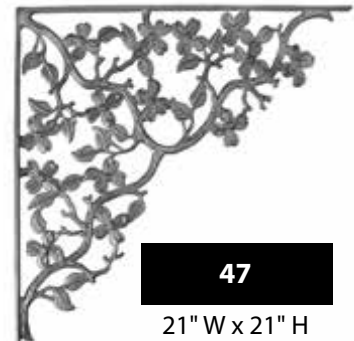
Corner
rosette

DOGWOOD



41

17½" W x 8" H



47

21" W x 21" H



45-A

7½" W x 26¼" H



45

8¼" W x 19" H



43

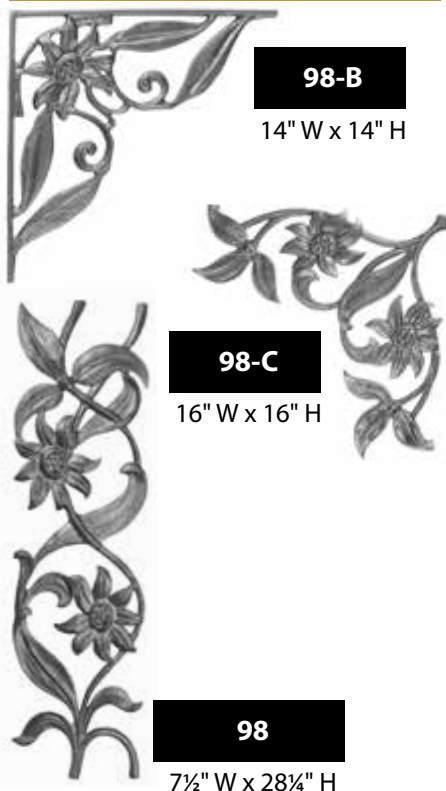
8" W x 18½" H

ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CASTINGS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.

SUNFLOWER



BIRD & LEAF



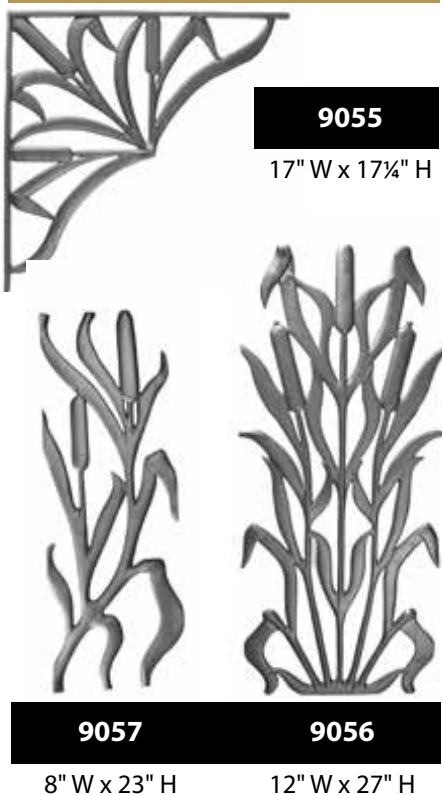
BANANA LEAF



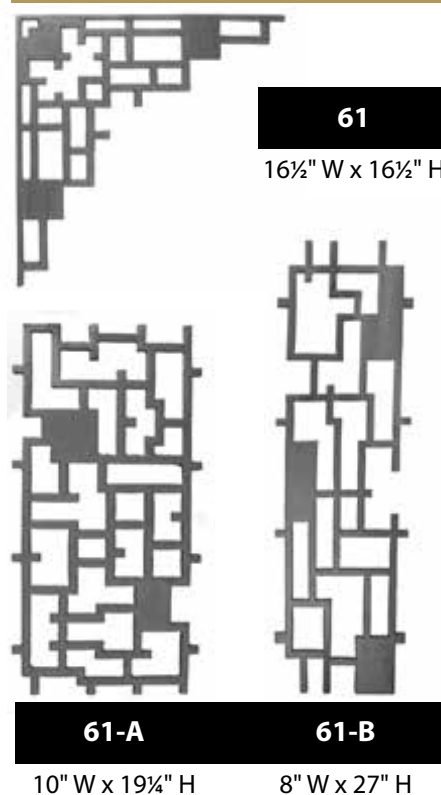
PINECONE



CATTAIL



CONTEMPORARY LATTICE



ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL IRON CROWNS AND TOP SCROLLS

(SBO)=Side backed out (concave on back) (SF)=Single faced (no design on back)
All castings double faced unless otherwise specified.

CAST IRON CROWNS



9027

28" W x 4½" H

9020

21" W x 5" H

9123 (SF)

10½" W x 6" H

9120 (SF)

12¾" W x 4¼" H



9988

33¾" W x 10¼" H

9084 (SF)

22¾" W x 7" H

680 (SF)

21¾" W x 10" H



9127 (SF)

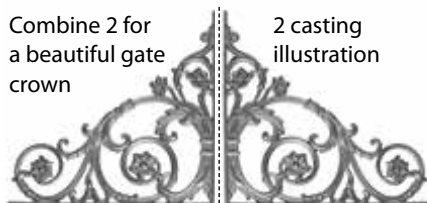
28¾" W x 4" H

7214

30¾" W x 11½" H

7217

32¾" W x 10¼" H



50

18" W x 17½" H



9018

27½" W x 6" H

FORGED STEEL TOP SCROLLS



116/D/1

50¹³/₃₂" W x 17²³/₃₂" H
matl. size ¾" x ¼"

1281/4

30" W x 10¼" H
matl. size ⅝" x ⅝"



116/E/3

31½" W x 11¹³/₁₆" H
matl. size 1³/₁₆" x ⅝"

GTP11

38¾" W x 11¹¹/₁₆" H
matl. size ½" x ¼"

GF1

35⁵/₁₆" W x 6¾" H
1" sq. solid hammered edge bar

ALL DIMENSIONS ARE APPROXIMATE.

TOP SCROLL PANELS



QC-904

29-1/2" W x 9" H, matl. size 3/4" x 1/4"



QC-903

31-1/2" W x 9" H, matl. size 3/4" x 1/4"



QC-905

43" W x 12" H, matl. size 3/4" x 1/4"



13-87

39-3/8" W x 12-19/32" H, matl. size 5/8" sq.



GTP17

34-1/16" W x 12-3/16" H, matl. size 1/2" x 1/4"



GD003

28-11/32" W x 23-3/64" H, matl. size 5/8" x 5/16"



696/1

36-1/4" W x 11-1/32" H, matl. size 5/8" x 5/16"

ALL DIMENSIONS ARE APPROXIMATE.

GATE FRAME ENDS AND SHAPED GATE FRAME TOPS

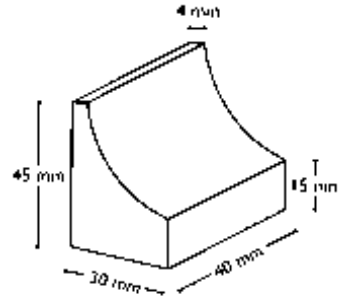


FRAME ENDS IN PLAIN FLAT BAR

Approx. 8" long available in the following sizes.

- 7/22** 1-1/4" x 3/8"
- 7/21** 1-1/2" x 3/8"
- 7/62** 2" x 3/8"

BLOCKS FOR CORNERS OF GATES



7/23A for 1-1/2" x 1-1/2" (40 x 40 mm) frames (illustrated)

7/23B for 1-1/4" x 1-1/4" (30 x 30 mm) frames

7/23C for 2" x 2" (50 x 50 mm) frames



7/21 forged scroll
1-1/2" x 3/8"

7/23A solid or
box frame
1-1/2" x 1-1/2"
(40 x 40 mm)

LOCK PLATES



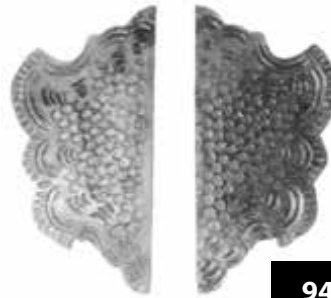
12-49/S

6-19/64" W x 10-5/8" H
3/16" thick



12-49/D

6-19/64" W x 10-5/8" H
3/16" thick



Reversible lock plate
5-15/16" W x 11-7/16" H
3/16" thick

Sold Individually

94/1

LONG SWEPT ARCH



8/11B

1-9/16" x 3/8", Plain Flat Bar
17-23/32 Rise
70-7/8" Long

SHORT SWEPT ARCH



8/13C

1-3/16" x 3/8", Plain Flat Bar
8-7/8" Rise
39-3/8" Long

SHADOW RAIL TOP ARCH

NOTE: Rolled on the edge. Use 2 arches, one in the front and one in back with uprights in between.



8/15C

1" x 3/8", Plain Flat Bar
17-23/32 Rise
70-7/8" Long

ALL DIMENSIONS ARE APPROXIMATE.

READYMADE GATES BY RIKFER



Korinna Estate Gate 18-2 (please specify width when ordering)

Width: 11'5" **Height:** 5'7" at side **Height:** 7'6" at center

Width: 13' **Height:** 5'7" at side **Height:** 7'6" at center

Korinna Pedestrian Gate 18-2-1

Width: 47" **Height:** 5'7" at side

Height: 6'8" at center



Verona Estate Gate 18-3 (please specify width when ordering)

Width: 11'5" **Height:** 5'4" at side **Height:** 6'4" at center

Width: 12'3" **Height:** 5'4" at side **Height:** 6'4" at center

Width: 13' **Height:** 5'4" at side **Height:** 6'4" at center

Verona Pedestrian Gate 18-3-1

Width: 44" **Height:** 5'4" at side

Height: 5'8" at center

ALL DIMENSIONS ARE APPROXIMATE.

READYMADE GATES BY RIKFER



Genoa Estate Gate 18-6 (please specify width when ordering)

Width: 11'5" **Height:** 5'7" at side **Height:** 8'4" at center
Width: 12'3" **Height:** 5'7" at side **Height:** 8'4" at center
Width: 13' **Height:** 5'7" at side **Height:** 8'4" at center

Genoa Pedestrian Gate 18-6-1

Width: 44" **Height:** 5'7" at side
Height: 6'5" at center



Trieste Estate Gate 18-15 (please specify width when ordering)

Width: 11'5" **Height:** 5'5" at side **Height:** 7' at center
Width: 12'3" **Height:** 5'5" at side **Height:** 7' at center
Width: 13' **Height:** 5'5" at side **Height:** 7' at center

Trieste Pedestrian Gate 18-15-1

Width: 44" **Height:** 5'5" at side
Height: 6' at center

ALL DIMENSIONS ARE APPROXIMATE.

READYMADE GATES BY RIKFER



Flora Estate Gate 18-16 (please specify width when ordering)

Width: 11'5" **Height:** 6'4" at side **Height:** 8' at center

Width: 12'3" **Height:** 6'4" at side **Height:** 8' at center

Flora Pedestrian Gate 18-16-1

Width: 44" **Height:** 6'4" at side

Height: 6'9" at center



Centaur Estate Gate 18-21 (please specify width when ordering)

Width: 11'5" **Height:** 5'5" at side **Height:** 7' at center

Width: 12'3" **Height:** 5'5" at side **Height:** 7' at center

Width: 13' **Height:** 5'5" at side **Height:** 7' at center

Centaur Pedestrian Gate 18-21-1

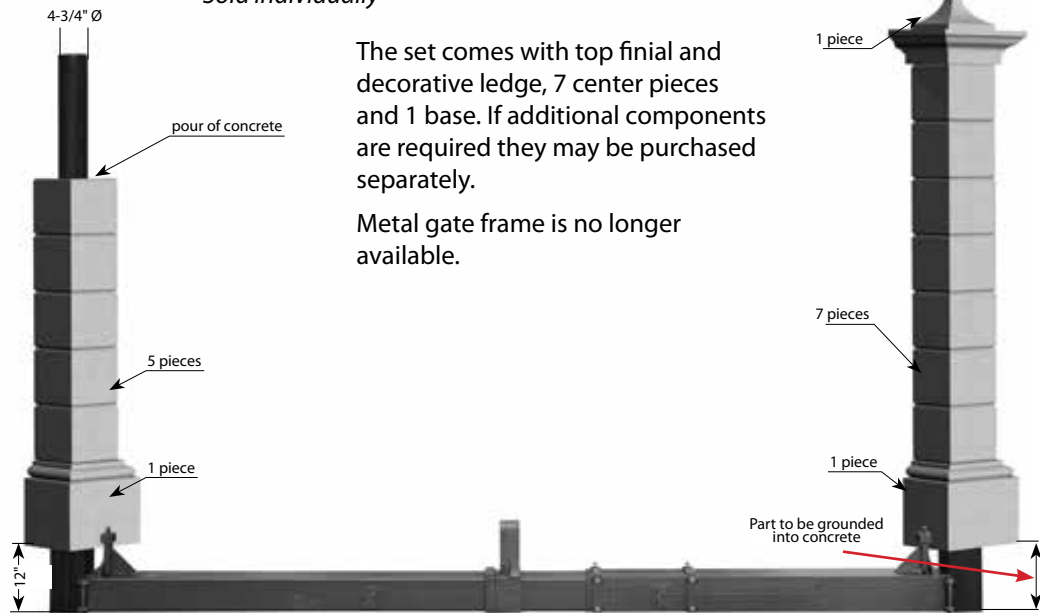
Width: 44" **Height:** 5'5"

ALL DIMENSIONS ARE APPROXIMATE.

READYMADE GATES BY RIKFER

Granite Columns– Item 16-24

Sold individually

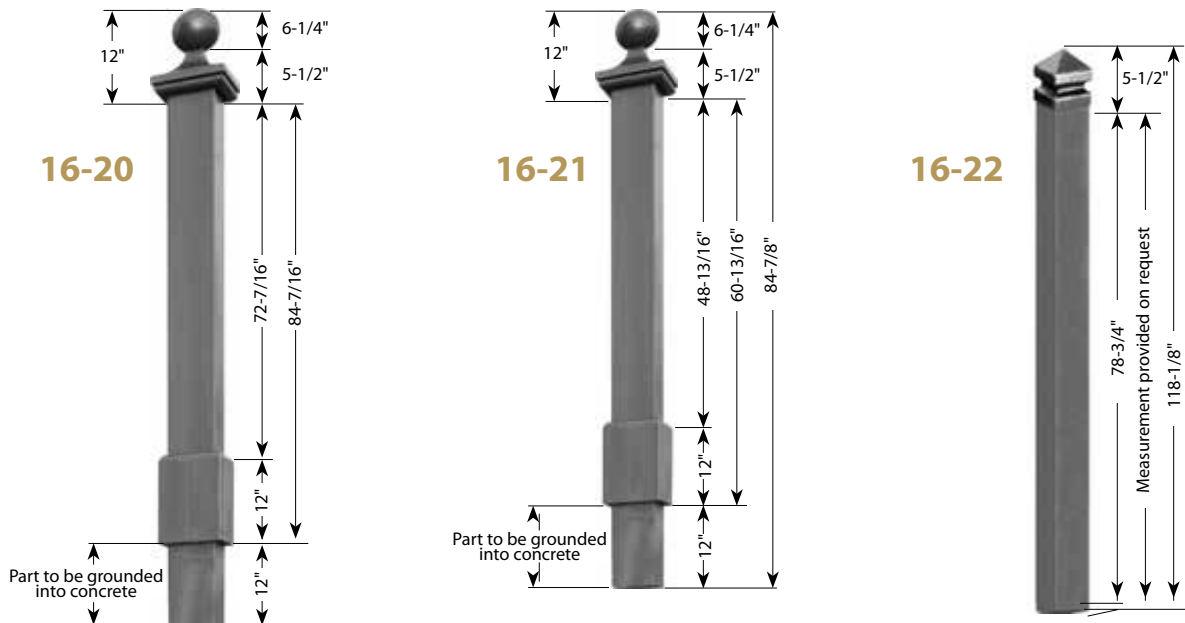


The set comes with top finial and decorative ledge, 7 center pieces and 1 base. If additional components are required they may be purchased separately.

Metal gate frame is no longer available.

Hot Dip Galvanized Steel Columns

Sold individually



Hinges are included with the gate.

This is the top clamp-hinge with greaser, plate and adjustable nut.



Pivot Hinge: This is the pivot with square base that is welded into the gate frame as shown in picture.



This is the bottom pivot hinge assembly.



ALL DIMENSIONS ARE APPROXIMATE.

FORGED PANELS FOR GATE DESIGN 18-2



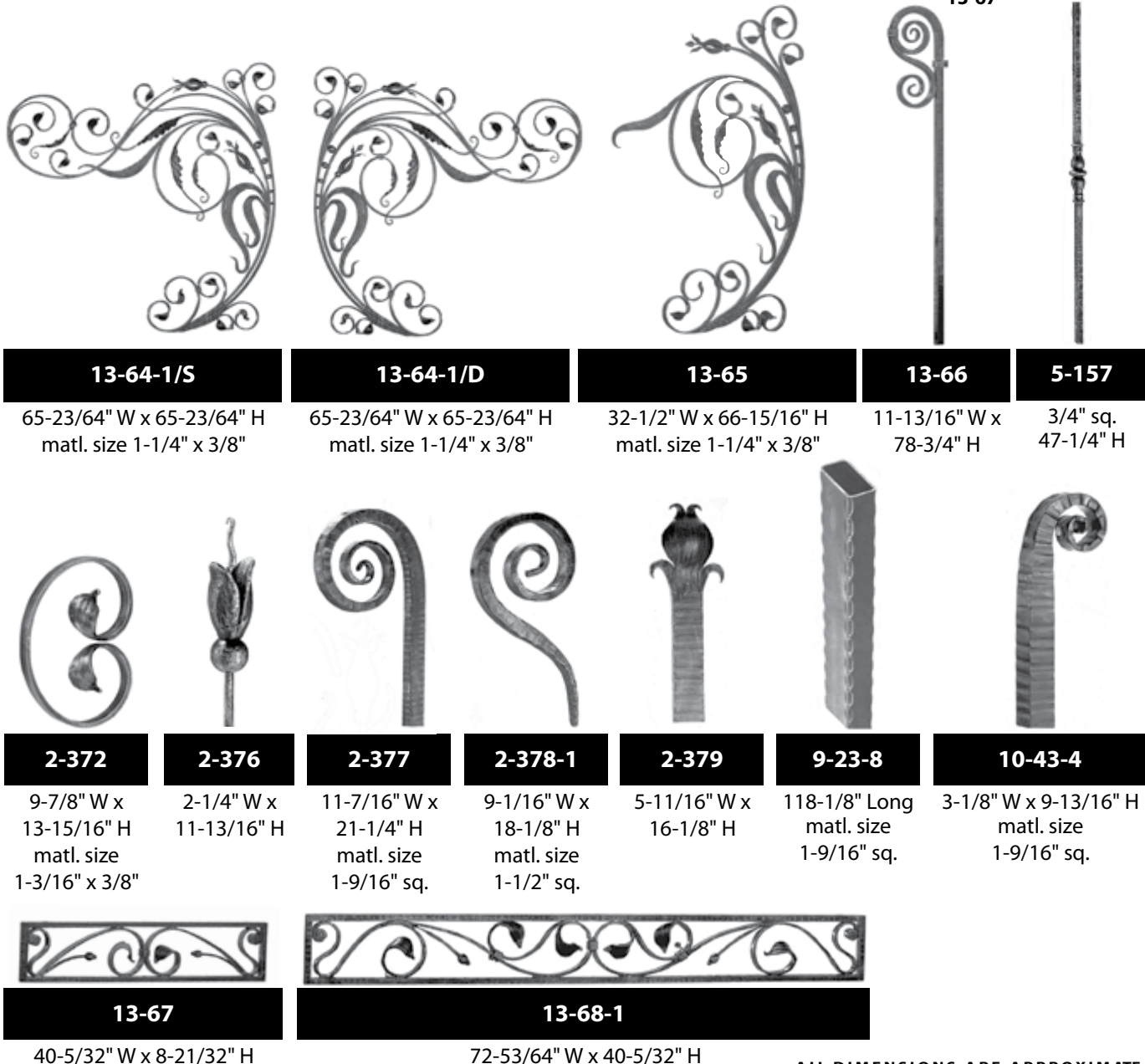
DESIGN: 18-2

COMPONENTS USED FOR DRIVEWAY GATE:

13-64-1/S
13-64-1/D
2-379
2-372
2-376
5-157
2-377
2-378-1
9-23-8
13-68-1

COMPONENTS USED FOR WALKWAY GATE:

13-65
9-23-8
10-43-4
2-377
2-378-1
13-67



ALL DIMENSIONS ARE APPROXIMATE.

FORGED PANELS FOR GATE DESIGN 18-6



DESIGN: 18-6	COMPONENTS USED FOR DRIVEWAY GATE:	COMPONENTS USED FOR WALKWAY GATE:
	13-57/S	13-62
	13-57/D	6-228
	6-227	2-263-1
	2-263-1	



13-57/S

78-3/4" W x 39-3/4" H
matl. sizes 5/8" sq., 5/8" x 3/8",
1-3/8" Ø

13-57/D

78-47/64" W x 39-49/64" H



13-62

47-1/4" W x 11-13/16" H



2-263-1

4-1/8" W x 9-41/64" H



6-227

12-19/32" W x 44-7/8" H
matl. size 5/8" x 3/8"



6-228

4-59/64" W x 44-7/8" H
matl. size 5/8" x 3/8"

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM RAILINGS

- 212** Handrail & Fittings
- 213** Handrail, Tubing & Plain Bar
- 214** Pipe Fittings
- 215** Tubular Balusters
- 216-217** Newel Posts
- 218** Balusters & Posts from Grande Forge
- 219** Balusters
- 220** Scroll Panels, Balusters & Twisted Bars
- 221-223** Forged Scroll Panels
- 224** Panels from Regency Railings
- 225** Leaves
- 226** Rosettes, Finials & Handrail Brackets
- 227** Infill & Greek Key Castings
- 228** Picket Castings, Circles, Cages & Balls
- 229** Scrolls & Split Shoes
- 230** Cover Plates & Flanges
- 231** Shoes & Collars
- 232** Ball Tops & Post Caps



ALUMINUM HANDRAIL MOLDING AND ACCESSORIES



ALH-WOOD

ALH-WOOD -
Wood style
Aluminum Handrail
2-1/2" W x 1-1/2" H

20 ft. long



ALH-WOOD-CH

ALH-WOOD-CH - Bottom Rail
for ALH-WOOD Handrail
2-1/4" W x 1-1/2" H

ALUMINUM CHANNEL

		USE WITH
C11218-AL	1" x 1/2" x 1/8"	H1248-AL
C1141218-AL	1-1/4" x 1/2" x 1/8"	H1252-AL
C1121218-AL	1-1/2" x 1/2" x 1/8"	H1244-AL

ALUMINUM HANDRAIL

H1248-AL	1-3/4" W
H1252-AL	2" W
H1244-AL	2-1/4" W



Works with
Scrolls &
Fittings
below

20 ft. long



LATERAL SCROLLS AND FITTINGS

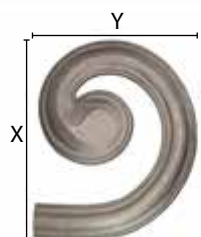
Use these scrolls and fittings to match handrail molding (shown above.)

Choose from three sizes.

A-Lateral Scroll



Left
H1248AL-AL
X=11 1/4" Y=8 1/2"
H1252AL-AL
X=11 1/4" Y=9 1/2"
H1244AL-AL
X=12 1/2" Y=11 1/4"



Right
H1248AR-AL
X=11 1/4" Y=8 1/2"
H1252AR-AL
X=11 1/4" Y=9 1/2"
H1244AR-AL
X=12 1/2" Y=11 1/4"

B-Lateral Channel



Left
H1248BL-AL
X=10 1/2" Y=7 3/4"
H1252BL-AL
X=10 1/2" Y=8 1/2"
H1244BL-AL
X=11 3/4" Y=9"



Right
H1248BR-AL
X=10 1/2" Y=7 3/4"
H1252BR-AL
X=10 1/2" Y=8 1/2"
H1244BR-AL
X=11 3/4" Y=9"

P-Straight Lamb's Tongue



H1248P-AL
X=4 1/2" Y=5 1/4"
H1252P-AL
X=4 1/2" Y=5 1/4"
H1244P-AL
X=4 1/2" Y=5 3/4"

V-Volutes

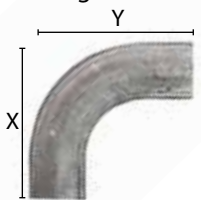


H1248V-AL
X=2" Y=5"
H1252V-AL
X=2" Y=5 1/4"
H1244V-AL
X=2 1/4" Y=5 1/4"

K-Corner Bend

KK-Channel Corner Bend

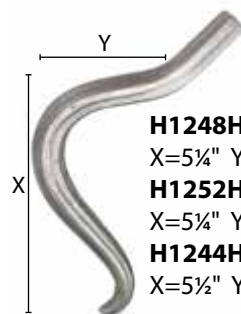
May also be used as a wall return - by trimming one leg - or combine two for a 180° turn.



H1248K-AL
X=5 1/4" Y=5 1/4"
H1252K-AL
X=5 3/4" Y=5 1/2"
H1244K-AL
X=6" Y=6 1/2"

H1248KK-AL
X=5" Y=5"
H1252KK-AL
X=5 1/2" Y=5 1/4"
H1244KK-AL
X=6" Y=6"

H-Bevel Lamb's Tongue



H1248H-AL
X=5 1/4" Y=3 1/2"
H1252H-AL
X=5 1/4" Y=3 3/4"
H1244H-AL
X=5 1/2" Y=4"

E-Square Terminal



H1248E-AL
X=3 1/4" Y=1 3/4"
H1252E-AL
X=3 1/4" Y=2"
H1244E-AL
X=3 1/2" Y=2 1/4"

The fittings may not be a perfect match.

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM HANDRAIL, TUBING AND PLAIN BAR

ALUMINUM FLAT, CONVEX AND HANDRAIL MOLDING



772/6
1-9/16" W x 5/16" H
10' long



1447/10
1-7/8" W x 9/16" H
10' long



810/B/15/ALL
2-1/8" W x 3/4" H
20' long

EDGE HAMMERED TUBING

Sold in 20 foot lengths



1871/1
3/4" sq.
1871/2
1" sq.
1871/4
1-9/16" sq.
1374/15/AL
2" sq. (only available
in 10' lengths)

ALUMINUM SQUARE TUBING

Sold in 24 foot lengths
Wall thickness 1/8"
6063 Alloy



4/60-AL - 5/8" square
4/54-AL - 3/4" square
4/55-AL - 1" square
4/56-AL - 1-1/4" square
4/57-AL - 1-1/2" square
4/58-AL - 2" square
4/62-AL - 2-1/2" square
Other sizes available upon request

ROUNDED HANDRAIL MOLDING

Sold in 20 foot lengths

H7431

2-9/16" wide
1-13/16" high
Alloy 6063-T6
1/8" thick



ALUMINUM SQUARE BAR

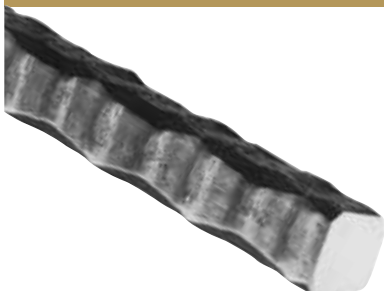
6063 Alloy



4/44-AL - 1/2" square 20FT
4/45-AL - 5/8" square 20FT
4/46-AL - 3/4" square 20FT
4/47-AL - 1" square 20FT
4/48-AL - 1-1/4" square 12FT, 6061 alloy

Other sizes available upon request

HAMMERED BAR



118/A/1/AL
1/2" sq.
10' Long

COLLAR MATERIAL

772/3

9/16" x 5/32".
9'10" Long



ALL DIMENSIONS ARE APPROXIMATE.

ELBOWS

These elbows are precision mandrel bent parts - without seams - except as noted with an *.

90° Elbow

1-5/8" internal radius

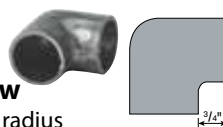


PIPE SIZE	OD	WALL THICKNESS	ALUMINUM	SEAMED ELBOW
1-1/4"	1.66"	.140"	4444	290*
1-1/2"	1.90"	.145"	4474	362*

ALLOY: Aluminum: 3003 *SEAMED elbows: 1" internal radius

90° Elbow

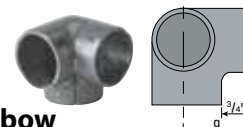
1/8" inside radius



PIPE SIZE	TUBE OD	ALUMINUM
1-1/4"	1.66"	806*
1-1/2"	1.90"	824*

ALLOY: Aluminum: 3003

Side Outlet Elbow



PIPE SIZE	TUBE OD	A	ALUMINUM
1-1/4"	1.66"	1-9/16"	842*
1-1/2"	1.90"	1-11/16"	843*

ALLOY: Aluminum: 3003

180° Elbow with Two 2" Tangents

2" inside radius, trimmed



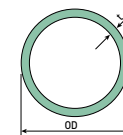
PIPE SIZE	OD	WALL THICKNESS	ALUMINUM
1-1/4"	1.66"	.140"	293-6
1-1/2"	1.90"	.145"	365-6

ALLOYS: Aluminum: 3003 Seamed Elbows, 6063 Pipe Elbows

PIPE

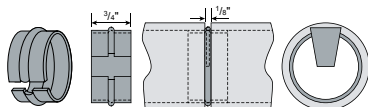
Aluminum Pipe

Alloy 6063, 20' Lengths, Mill Finish



PIPE SIZE	SCH.	OD	ID	T	LB/FT	ALUMINUM
1-1/4"	40	1.66"	1.38"	.140"	.786	P490
1-1/2"	40	1.90"	1.61"	.145"	.940	P540

WEDGE-LOCK WELDING CONNECTORS



Wedge-Lock Welding Connectors for Pipe and Round Tubing

PIPE SIZE	SCH.	TUBE OD	WALL	ALUMINUM
1-1/4"	40	1.66"	.140"	1024
1-1/2"	40	1.90"	.145"	1034

INTERNAL SLEEVES

Internal Sleeve

May be used with Aluminum or Stainless Steel. Ribbed outer surface.



PIPE SIZE	SCH.	TUBE OD	TUBE ID	LENGTH	EXTRUDED ALUMINUM
1-1/4"	40	1.66"	1.38"	4"	IR70E-7
1-1/2"	40	1.90"	1.62"	5"	SA517

FLANGES



Plain Flange

PIPE SIZE	OD	ALUMINUM
1-1/4"	1.66"	1630
1-1/2"	1.90"	1640



Flange with Four Holes

PIPE SIZE	OD	ALUMINUM
1-1/4"	1.66"	1633
1-1/2"	1.90"	1643



Heavy Base Plain Flange with Set Screw*

PIPE SIZE	OD	ALUMINUM
1-1/4"	1.66"	1469
1-1/2"	1.90"	1477

* 1/4"-20 set screw - not for structural use.



Snap-On Cover Flange Base

4-3/8" diameter base has four clear mounting holes for 3/8" bolts.

PIPE SIZE	OD	COVER DIAM.	THICK.	3003 ALUMINUM
1-1/4"	1.66"	4-3/8"	.25"	2066B
1-1/2"	1.90"	4-3/8"	.25"	2076B

* Thickness = .188".



Snap-On Cover Canopy Flange

4-1/2" diameter, 18 gauge. Cover has clearance for 3/8" bolt heads. This canopy flange drops into place. Use epoxy or silicone to affix to heavy duty weld flange.

PIPE SIZE	OD	COVER DIAM.	HT.	3003 ALUMINUM
1-1/4"	1.66"	4-1/2"	1"	2066
1-1/2"	1.90"	4-1/2"	1"	2076

END CAPS

See page 44 for dimensions.



Type A Machined Drive-On End Cap for Schedule 40 Pipe, Alloy 6063 Aluminum

Deburr inside of pipe to give chamfered caps an easy start.

PIPE SIZE	MILL FINISH ALUMINUM
1-1/4"	3231AM
1-1/2"	3232AM

Type E Flat Machined Drive-On Cap

For schedule 40 pipe size only. 6063T52 Aluminum



PIPE SIZE	MILL FINISH ALUMINUM
1-1/4"	3291M
1-1/2"	3292M

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM TUBULAR BALUSTERS

All balusters are 14 gauge (.06") thick



STEEL



150206AL-1 1/2	150206AL-1	151605AL-1 1/2	151605AL-1	151612AL-1 1/2	151612AL-1	151612ST-1
1-5/8" sq. 39-1/2" H Tubular Post	1" sq. 35-1/2" H Tubular Baluster	1-5/8" sq. 39-1/2" H Tubular Post	1" sq. 35-1/2" H Tubular Baluster	1-5/8" sq. 39-1/2" H Tubular Post	1" sq. 35-1/2" H Tubular Baluster	1" sq. 35-1/2" H Tubular Baluster Steel



151618AL-1 1/2

1-5/8" sq., 39-1/2" H
Tubular Post

151618AL-1

1" sq., 35-1/2" H
Tubular Baluster



1-1/4" Ø
35" H
Round End
Tubular
Baluster

CB-AL-1 1/4



ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE ALUMINUM NEWEL POSTS

Shown: 768/10

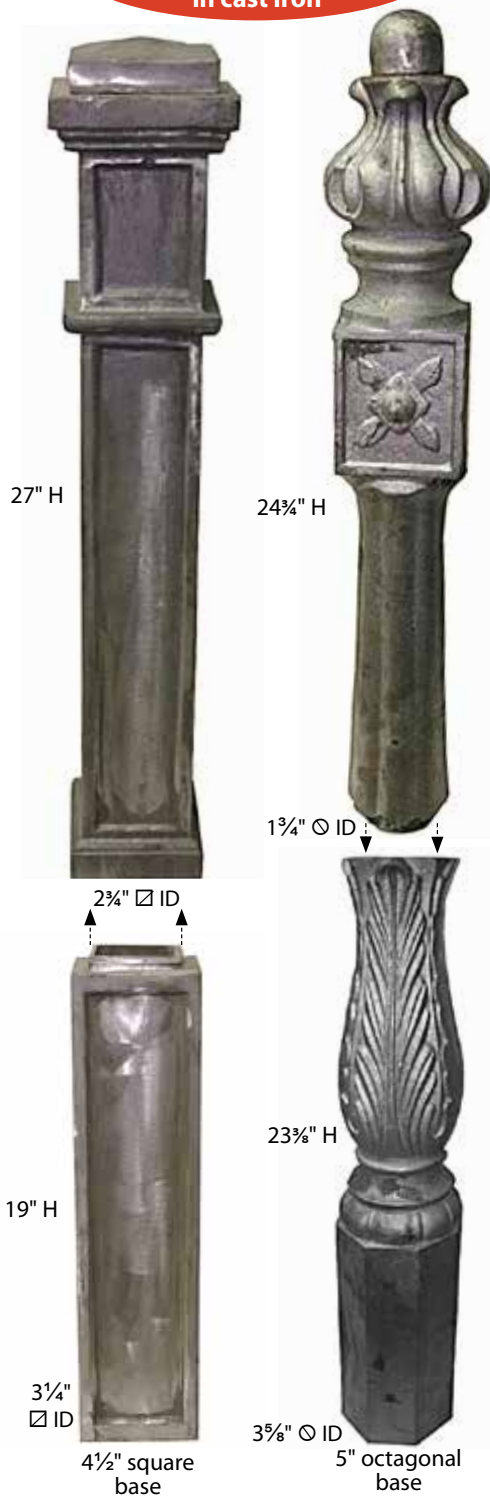


768/10	1448/1	17/3-AL	113/1/25/S/ALL	1775/12/S/AL	10/6A
1" sq. 47-1/4" H	1-3/16" dia. 47" H	1" sq. 45" H	1" sq. 47-1/4" H	1-3/16" sq. 47-1/4" H	1-1/4" sq. 45" H

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE ALUMINUM NEWEL POSTS

9113-X-AL and
9115-X-AL also available
in cast iron



VICTORIAN

9113-X-AL

4 1/2" W
46" H

RAPHAEL

9115-X-AL

5" octagonal base
48-1/8" H



2156

1-1/2" sq.
52" H
Marine Grade



Aluminum base
shoe for item 2156



2156-SHOE

1-1/2" sq.
3-5/8" W x 1-3/4" H

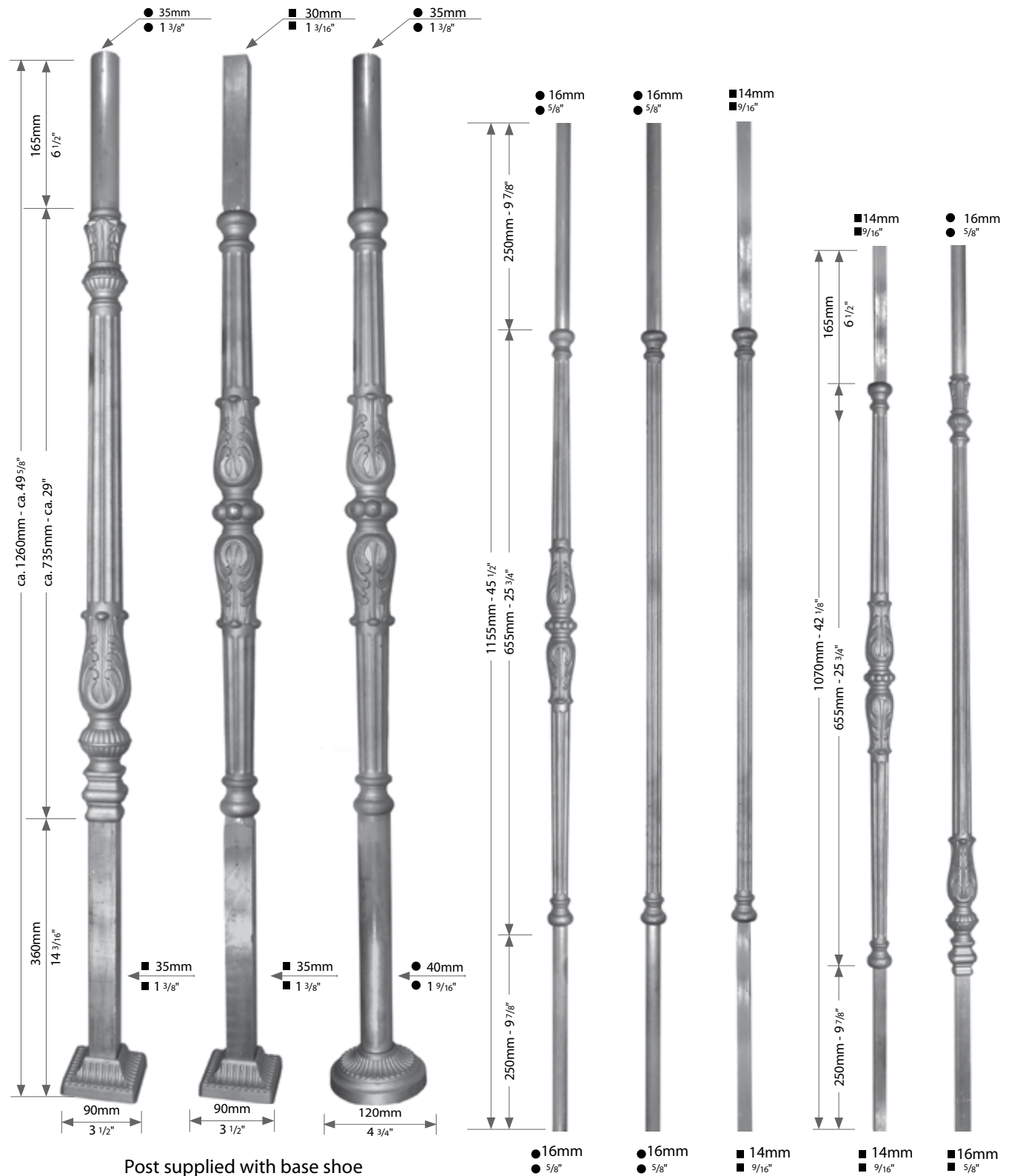


ALUMINUM
RAILINGS

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM POSTS & BALUSTERS BY GRANDE FORGE

These decorative posts and balusters from Grande Forge mimic the style of the Cast Iron Series. This collection is fully weldable and can be painted.



ALUP555

ALUP333

ALUP111

ALUB115

ALUB915

ALUB933

ALUB133

ALUB515

ALL DIMENSIONS ARE APPROXIMATE.

DECORATIVE ALUMINUM BALUSTERS



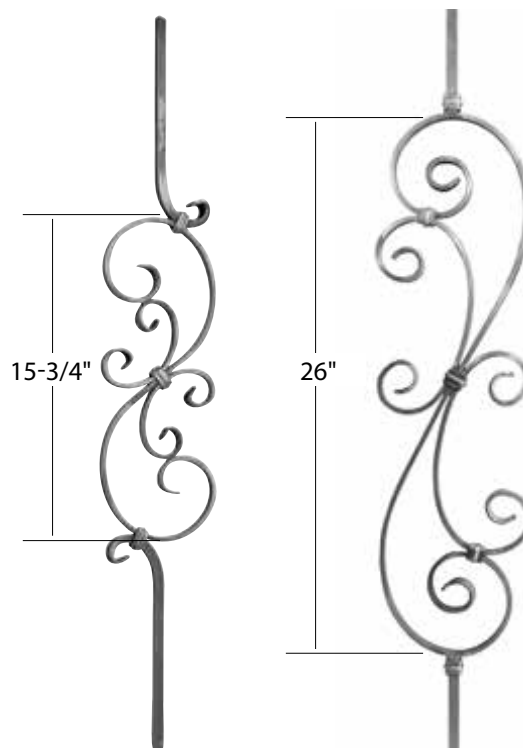
48/6/ALL	48/7/ALL	1440/1	1440/2	769/9	769/10	768/4	768/5
9/16" sq. 35-7/16" H	9/16" sq. 35-7/16" H	5/8" sq. 35-1/2" H	5/8" sq. 35-1/2" H	9/16" sq. 39-1/2" H	9/16" sq. 39-1/2" H	9/16" sq. 39-1/2" H	9/16" sq. 39-1/2" H



1869/7	1869/6	1446/3	1446/4	1446/3/S	134/10/ALL	134/2/ALL
9/16" sq. 39-1/2" H	9/16" sq. 39-1/2" H	1/2" sq. 39-1/2" H	1/2" sq. 39-1/2" H	1/2" sq. 39-1/2" H	1/2" sq. 39-1/2" H	1/2" sq. 39-1/2" H

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM SCROLL PANELS, BALUSTERS & TWISTED BARS



B4000-AL

1/2" sq. matl.
5-7/8" W x 39-1/2" H

B4001-AL

1/2" sq. matl.
7-1/16" W x 39-3/8" H

BALCONY BALUSTERS



769/3

matl. 1⁹/₁₆" x 5⁵/₁₆"
39-3/8" H

1444/9/S

5/8" sq.
39-1/2" H

768/6

9/16" sq.
39-1/2" H

1783/5/AL

1/2" sq.
39-1/2" H

TWISTED BAR



769/7

9/16" sq.
39-1/2" H

769/8

9/16" sq.
39-1/2" H

1444/11

5/8" sq.
39-1/2" H

1444/12

5/8" sq.
39-1/2" H

10/6A

1-1/4" sq.
45" H

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM FORGED SCROLL PANELS



Shown: 767/1



770/1

1/2" x 1/4" matl.
6 5/8" W x 9 5/8" H

This scroll can be used in panel
767/1 to make it look like panel
1671/3/ALL



767/1

1/2" X 1/4" matl.
13-3/4" W x 34-1/4" H



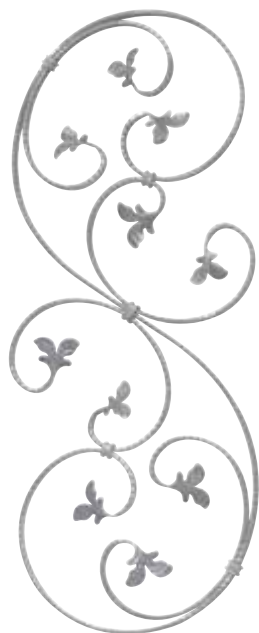
1038/1/ALL

9/16" sq. matl.
20-5/64" W x 42-33/64" H



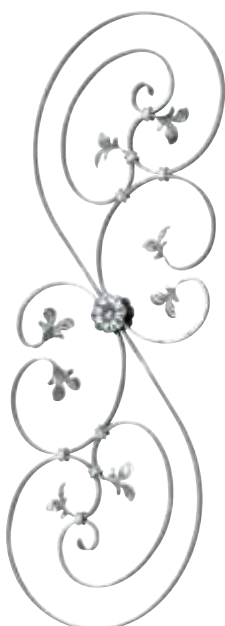
1438/1

9/16 sq. matl.
14-9/16" W x 35-7/16" H



1671/3/ALL

1/2" X 1/4" matl.
13-3/4" W x 34-1/4" H



1670/1/ALL

1/2" X 1/4" matl.
14-3/16" W x 39-1/2" H



1046/1/ALL

1/2" sq. matl.
9-7/8" W x 35-7/16" H



1435/3

3/4" X 1/4" matl.
13" W x 33" H



511/1/AL

1/2" sq. matl.
Hammered edges
4-15/16" W x 35-7/16" H

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM FORGED SCROLL PANELS



480/1/S/ALL

9/16" Sq. matl.
26" W x 26" H
Hammered Edge



26/C/1/ALL

9/16" Sq. matl.
17" W x 20-1/2" H
Floral element on one side only.



1867/1

1/2" X 1/4" matl.
13" Ø



1867/3

1/2" X 1/4" matl.
10-1/4" Ø



1435/2

3/4" X 1/4" matl.
43-5/16" W x 16-17/32" H



Shown:
767/2



GD61/1/ALL

1/2" sq. matl.
16-7/8" W x 39-1/2" H



1043/1/ALL

1/2" sq. matl.
8-1/4" W x 40-1/2" H



1869/1

9/16" Ø matl.
14-9/16" W x 35-7/16" H



767/2

3/4" x 1/4" matl.
9-1/4" W x 28-3/8" H



1435/5

3/4" x 1/4" matl.
24-13/32" W x 10-15/64" H

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM FORGED SCROLL PANELS



60/4/ALL

9/16 sq. matl.
4-3/4" W x 39-1/2" H



GD58/3/ALL

1/2" sq. matl.
4-3/4" W x 39-1/2" H



1869/10

9/16" sq. matl.
39-1/2" H



1090/3/ALL

1/2" sq. matl.
3-9/16" W x 39-1/2" H



768/9

9/16" sq. matl.
8-1/4" W x 39-1/2" H



768/7

9/16" sq. matl.
4-5/16" W x 39-1/2" H



769/1

9/16" sq. matl.
9-1/4" W x 39-1/2" H



769/5

9/16" sq. matl.
7-1/16" W x 39-1/2" H



769/6

9/16" sq. matl.
11-13/16" W x 35-7/16" H



768/8

9/16 sq. matl.
8-7/8" W x 39-1/2" H



49/3/S8

9/16 sq. matl.
5-7/16" W x 39-1/2" H

ALL DIMENSIONS ARE APPROXIMATE.

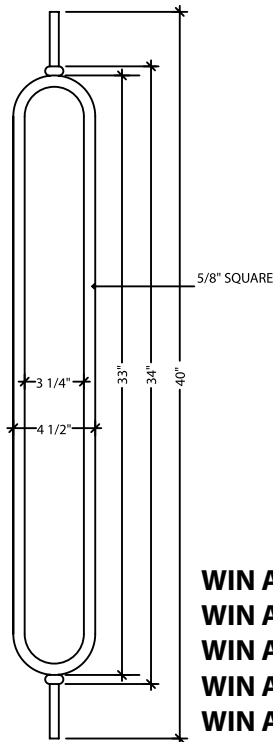
WINDSOR PANELS

Windsor I hoops are 5/8" square bar and the center bar of piece C & D is 3/8" round.

Windsor I is sold in sets and includes one hoop, two collars, two fleur de lis, two threaded rods, and one center medallion.

SEE
PAGE
109 FOR
DESIGNS

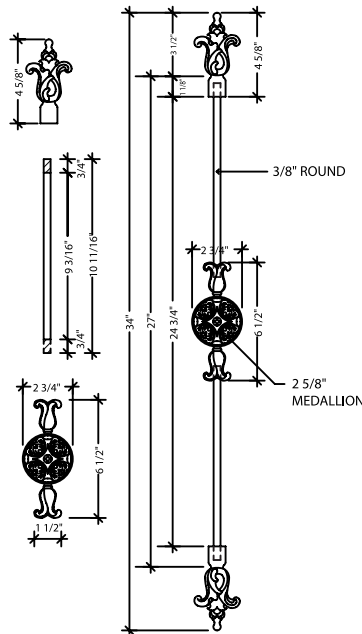
PIECE A
IS SUPPLIED WITH A
STRAIGHT OR ANGLED
COLLAR. PLEASE
CHOOSE ITEM FOR YOUR
APPLICATION.



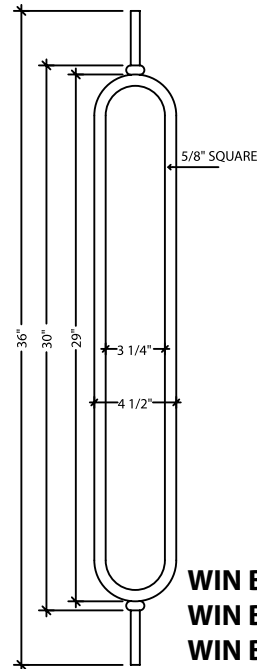
WIN A1AC-0 For straight applications
WIN A1AC-24 Fits angles 21° to 27°
WIN A1AC-31 Fits angles 28° to 34°
WIN A1AC-39 Fits angles 35° to 42°
WIN A1AC-46 Fits angles 43° to 49°

WIN A1A

PIECE C
USE WITH PIECE A



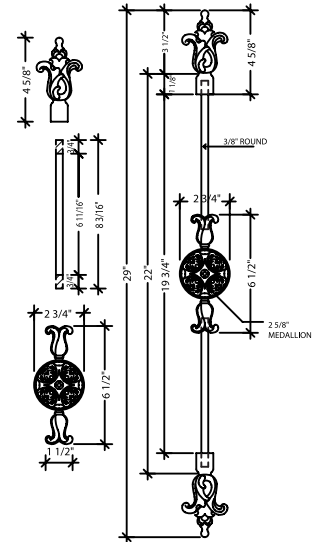
PIECE B
IS SUPPLIED WITH A
STRAIGHT OR ANGLED
COLLAR. PLEASE
CHOOSE ITEM FOR YOUR
APPLICATION.



WIN B1AD-0 For straight applications
WIN B1AD-24 Fits angles 21° to 27°
WIN B1AD-31 Fits angles 28° to 34°
WIN B1AD-39 Fits angles 35° to 42°
WIN B1AD-46 Fits angles 43° to 49°

WIN B1A

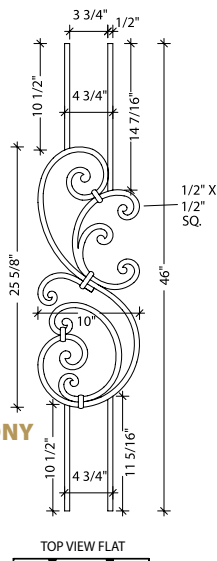
PIECE D
USE WITH PIECE B



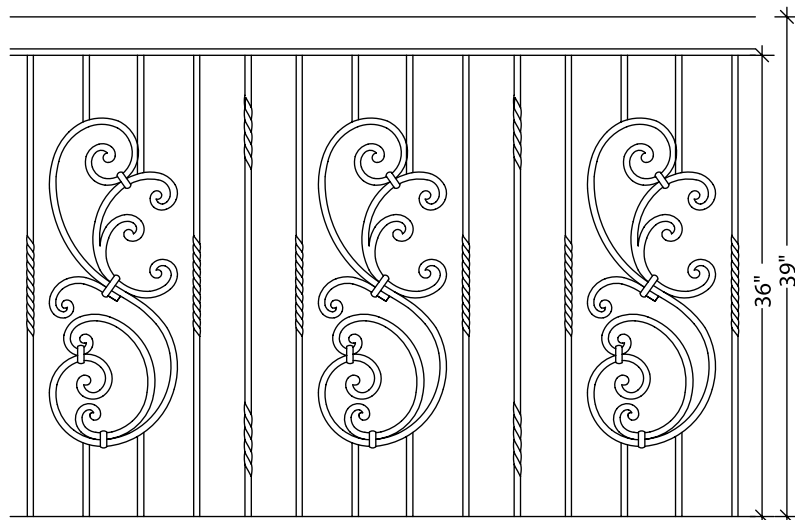
TUSCANY PANELS

Tuscany aluminum panels are 1/2" square bar.

**FITS LEVEL BALCONY
AND ALL ANGLES
UP TO 48°**



SPVA1



ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM LEAVES

LEAVES - 1/8" THICK

					
771/1	771/2	771/4	771/5	1454/7	1454/8
1-9/16" W x 4-5/16" H	1-9/16" W x 4-5/16" H	2-3/4" W x 2-3/8" H	2-3/4" W x 2-3/8" H	3-1/2" W x 2-9/16" H	3-1/2" W x 2-9/16" H
					
1450/3	1450/7	1453/4	1452/3	1452/4	
2" W x 7-1/16" H	3-1/8" W x 3-1/8" H	3-1/32" W x 9-7/16" H	3-1/8" W x 6-5/16" H	3-1/8" W x 6-5/16" H	

LEAVES - 1/8" THICK X 1/2" Ø

						
1451/1	1451/2	1454/9	1454/10	1454/1	1454/3	1454/4
4-3/4" W x 8-1/4" H	4-3/4" W x 8-1/4" H	4-3/4" W x 4-5/16" H	4-3/4" W x 4-5/16" H	8-5/8" W x 4-1/2" H	8-5/8" W x 4-1/2" H	9-7/8" W x 3-1/8" H

LEAVES

		
69/19-AL	69/18-AL	69/50-AL
6" W x 9-1/2" H	6" W x 9-1/2" H	3-1/2" W x 9" H, approx. 1" thick

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM ROSETTES, FINIALS & HANDRAIL BRACKETS

ROSETTES



116/A/3/A

3-3/4" Ø



771/3

2-9/16" Ø



1454/6

4-15/16" Ø



1454/5

4-1/8" Ø



681-AL

4" Ø



1448/5

3-1/2" Ø

FINIALS



Die cast Aluminum

Part no.	Fits over	Size
AL649	1/2" sq.	2" W x 3-7/8" H
AL649H	5/8" sq.	2" W x 3-7/8" H
AL649YO	3/4" sq.	2-3/4" W x 5" H
AL649Z	1" sq.	3-1/4" W x 6-1/8" H



Die cast Aluminum

Part no.	Fits over	Size
AL9X	1/2" sq.	1-1/8" W x 3-7/8" H
AL9H	5/8" sq.	1-1/8" W x 3-7/8" H
AL9XS34	3/4" sq.	1-15/16" W x 3-13/16" H
AL9Z	1" sq.	1-3/4" W x 8" H



Sand Cast Aluminum

Part no.	Fits over	Size
AL215D-12	1/2" sq.	2-1/4" W x 4-3/8" H
AL215D-34	3/4" sq.	2-1/4" W x 4-3/8" H



Sand Cast Aluminum

Part no.	Fits over	Size
656-AL	1/2" sq.	3-1/4" W x 5-1/8" H
656H-AL	5/8" sq.	3-1/4" W x 5-1/8" H
656Y-AL	3/4" sq.	3-1/4" W x 5-1/8" H



Sand Cast Aluminum

Part no.	Fits over	Size
8832-AL	1/2" sq.	2-5/8" W x 4-5/8" H
8832H-AL	5/8" sq.	3" W x 5" H
8832Y-AL	3/4" sq.	3-5/8" W x 6-1/8" H
8832Z-AL	1" sq.	3-5/8" W x 6-1/8" H

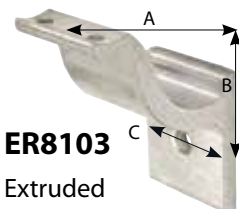


673/3/ALL

1/4" Ø matl.
5 7/8" H

HANDRAIL BRACKETS

These handrail brackets offer a universal saddle that will accommodate round or flat material



ER8103

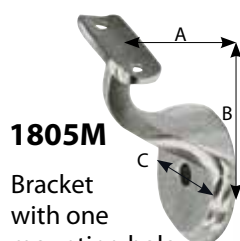
Extruded handrail bracket square base

Dimensions:

A = 2-1/2"

B = 2-5/8"

C = 2"



1805M

Bracket with one mounting hole

Dimensions:

A = 2-1/2"

B = 2-15/16"

C = 2-3/4"



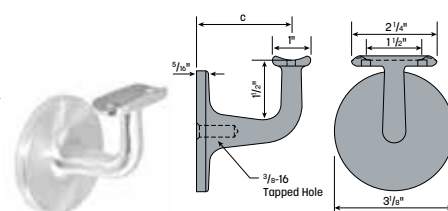
1003-AL

2-5/8" W x 2-7/8" H
1" Long, 3/16" Thick
3/8" Ø hole



1002-AL

1" W x 2" H
Extends 5/8" x 7/8"
Large Slot 1/4" x 7/8"
Small Slot 1/4" x 1/2"



Bracket with one 3/8-16 tapped hole. Saddle Holes are clear for 1/4" screws.

C SATIN ALUMINUM

2-1/2" **4592**

3-1/4" **4582**

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM INFILL & GREEK KEY CASTINGS

DECORATIVE INFILL CASTINGS



60-445

22-3/4" W x 5" H, 5/16" sq. material



60-M14

31-1/4" W x 5" H, 9/16" sq. material



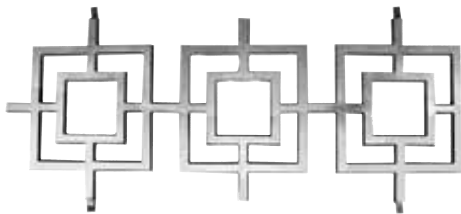
60-M11

30-7/8" W x 4" H, 3/16" sq. material



60-L1

27-1/4" W x 4-1/2" H, 1/2"-5/8" sq. material



CE03-700

9-1/2" W x 23-1/8" H, 3/8" sq. material



CE709F

4-1/8" W x 13-2" H, 1/4" x 1/2" thick material



Shown:
60-M14



Shown: 60-445

GREEK KEY CASTINGS



Greek Key Scroll
4" W x 3 3/4" H, 5/8" thick
GKS-AL



Angled Greek Key
5 3/4" W x 2 5/8" H, 5/8" thick
GKA-AL



Greek Key Pattern
7 5/8" W x 6 5/8" H, 3/4" thick
GKP-AL



Curved Greek Key
3 3/4" W x 2 1/2" H, 5/8" thick
GKC-AL



Heavy Rosette
6" W x 3 3/8" H, 5/8" thick
The back is SBO (side backed out) and measures 3/4" to 15/16" wide and is 1/4" deep.
GKR-AL

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM PICKET CASTINGS, CIRCLES, CAGES & BALLS

These aluminum picket castings are single faced. Most come with weld tabs.



CE2-12
CE2-58
CE2-34

7-1/8" W x 16-1/2" H
For 1/2", 5/8"
or 3/4" sq.



CE3-12
CE3-58
CE3-34

6-3/4" W x 12-7/8" H
For 1/2", 5/8"
or 3/4" sq.



CE12-12

6-3/4" W x 12-5/8" H
Fits over 1/2" sq.



CE245-12
CE245-58
CE245-34

6-1/2" W x 16" H



LA275-12
LA275-58
LA275-34

5-5/8" W x 14-1/2" H
For 1/2", 5/8"
or 3/4" sq.



CE13-12

6-5/8" W x 8-1/4" H
Fits over 1/2" sq.



145HAL

5-7/8" W x 7-1/4" H
Fits over 5/8" sq.



CE03-039-12
CE03-039-58

6-3/4" W x 18-1/2" H
For 1/2", 5/8" sq.



CE244-12
CE244-58
CE244-34

5-1/2" W x 6-5/8" H
For 1/2", 5/8"
or 3/4" sq.



679AL-12
679AL-58
679AL-34

4" W x 3-3/4" H
For 1/2", 5/8"
or 3/4" sq.



Collar winds all around insert

AL7836

7-5/8" W x 5-3/4" H
Fits over 3/4" sq. picket

CIRCLES

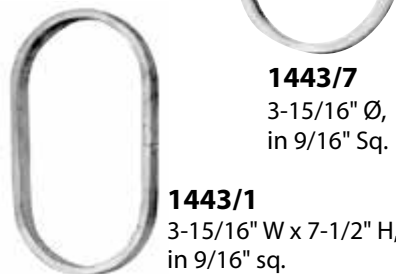


88/33-AL - 3" Ø
88/34-AL - 3-1/2" Ø
88/5-AL - 4" Ø

Rolled 1/2" sq.



88/2-AL
4" Ø, in 1/2" x 1/4"



1443/7
3-15/16" Ø,
in 9/16" Sq.

1443/1
3-15/16" W x 7-1/2" H,
in 9/16" sq.

CAGES



772/8 9/16" sq.
2-3/8" W
5-1/8" H

772/9 1" sq
3-3/4" W
7-1/16" H

1443/13 5/8" sq.
2-31/32" W
5-7/8" H

SOLID ALUMINUM BALLS

Sand Cast



AB34 3/4"
AB100 1"
AB112 1-1/2"
AB200 2"
AB212 2-1/2"
AB300 3"

ALL DIMENSIONS ARE APPROXIMATE.

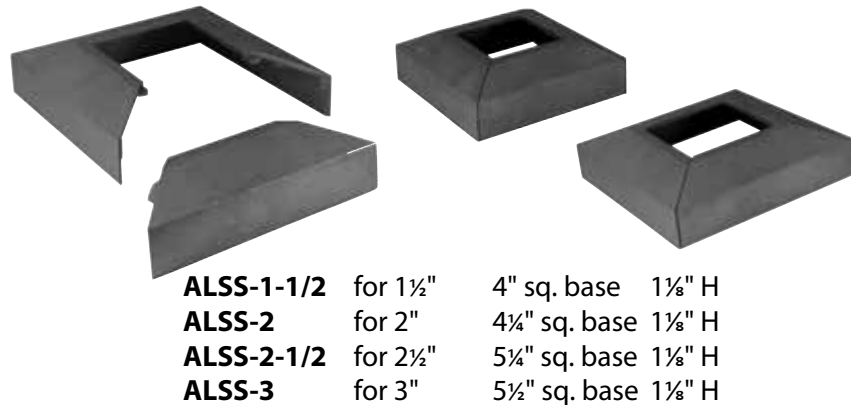
ALUMINUM SCROLLS & SPLIT SHOES

SCROLLS

						
770/5	770/4	1867/7	770/6	770/8	770/7	770/10
1/2" x 1/4" matl. 4 3/4" W x 14 3/16" H	1/2" x 1/4" matl. 4 3/4" W x 11 7/16" H	1/2" x 1/4" matl. 5 1/2" W x 8 15/32" H	1/2" x 1/4" matl. 4 3/8" W x 5 7/8" H	1/2" x 1/4" matl. 2 15/16" W x 4 3/4" H	1/2" x 1/4" matl. 2 15/16" W x 4 15/16" H	1/2" x 1/4" matl. 2 3/8" W x 4 1/2" H

SPLIT SHOES

DIE CAST ALUMINUM SPLIT SHOES-MARINE GRADE



ALSS-1-1/2	for 1 1/2"	4" sq. base	1 1/8" H
ALSS-2	for 2"	4 1/4" sq. base	1 1/8" H
ALSS-2-1/2	for 2 1/2"	5 1/4" sq. base	1 1/8" H
ALSS-3	for 3"	5 1/2" sq. base	1 1/8" H

Square Puzzle-Lock Split Flange

Covers an area of 4" x 4"



26436	for 1 1/2"	4 3/8" sq. base	3/4" H
26437	for 2"	4 3/8" sq. base	3/4" H

Puzzle-Lock Split Flange for Schedule 40 Pipe



26412	for 1 1/4" Ø (O.D. 1.66") pipe	4 3/8" Ø base	3/8" H
26413	for 1 1/2" Ø (O.D. 1.90") pipe	4 3/8" Ø base	3/8" H

CAST ALUMINUM SPLIT SHOES

245A-58	for 5/8"	1 11/16" sq. base	1 1/4" H
245A-34	for 3/4"	1 11/16" sq. base	1 3/8" H
245A-1	for 1"	2 1/2" sq. base	1 5/8" H
245A-114	for 1 1/4"	3" sq. base	1 3/4" H
245A-112	for 1 1/2"	3" sq. base	1 5/8" H
245A-2	for 2"	3 3/8" sq. base	2" H
245A-212	for 2 1/2"	4 1/2" sq. base	2 1/4" H
245A-3	for 3"	6 1/4" sq. base	2 5/8" H
245A-4	for 4"	7" sq. base	3" H



SIMSHOE-A PLASTIC SPLIT-COVER STYLE SHOE!

While traditional cover shoes must be on the post before the baseplate is welded to it, Simshoe™ allows you to put your shoes on last.

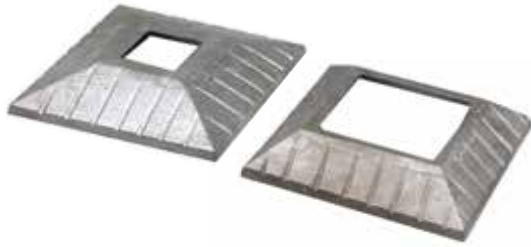


SS1-3	for 1"	3 9/16" sq. base	2" H
SS114-3	for 1 1/4"	3 9/16" sq. base	2" H
SS112-3	for 1 1/2"	3 9/16" sq. base	2" H
SS112-4	for 1 1/2"	4 3/4" sq. base	1 1/8" H
SS2-4	for 2"	4 3/4" sq. base	1 1/8" H

ALL DIMENSIONS ARE APPROXIMATE.

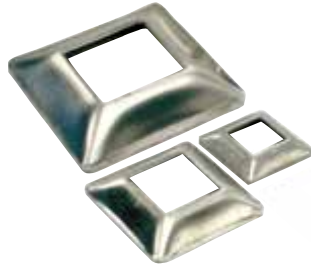
ALUMINUM COVER PLATES & FLANGES

CAST COVER PLATES



CP-1	for 1"	3¾" sq. base	¼" H
CP-114	for 1¼"	3¾" sq. base	¼" H
CP-112	for 1½"	3¾" sq. base	½ H
CP-2	for 2"	3¾" sq. base	½ H
CP-212	for 2½"	5" sq. base	1" H
CP-3	for 3"	5½" sq. base	1" H
CP-4	for 4"	6½" sq. base	1" H

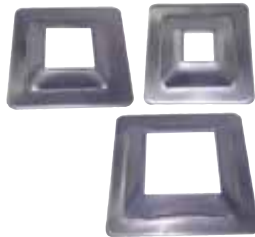
STAMPED COVER PLATES



8082	for 1¼"	3" sq. base	⅝" H	10 Ga.
8084	for 1½"	3" sq. base	⅝" H	10 Ga.
8086	for 2"	4" sq. base	1⅜" H	7 Ga.



AM-1	for 1"	3" sq. base	¼" H	16 Ga.
AM-1-1/4	for 1¼"	3" sq. base	¼" H	16 Ga.
AM-1-1/2	for 1½"	3" sq. base	¼" H	16 Ga.
AM-2	for 2"	4" sq. base	½" H	16 Ga.
AM-2-1/2	for 2½"	5" sq. base	½" H	16 Ga.



8042-NH	for 1"	3¾" sq. base	⅞" H	10 Ga.
8046-NH	for 1¼"	3¾" sq. base	⅞" H	10 Ga.
8048-NH	for 1½"	3¾" sq. base	⅞" H	10 Ga.
8052-NH	for 2"	5" sq. base	1" H	7 Ga.
8050-NH	for 2½"	5" sq. base	1" H	7 Ga.
8098-NH	for 3"	5" sq. base	⅝" H	7 Ga.



8042	for 1"	3¾" sq. base	⅞" H	10 Ga.
8046	for 1¼"	3¾" sq. base	⅞" H	10 Ga.
8048	for 1½"	3¾" sq. base	⅞" H	10 Ga.
8052	for 2"	5" sq. base	1" H	7 Ga.
8050	for 2½"	5" sq. base	1" H	7 Ga.

A simple, inexpensive finishing touch for anodized or powder coated rails. Slip on style (non-weldable).



**ALL "MR" SHOES
ARE 18 GAUGE**

MR-1/2	for ½"	2¼" sq. base	⅑/₁₆" H
MR-5/8	for ⅝"	2¼" sq. base	⅑/₁₆" H
MR-3/4	for ¾"	2¼" sq. base	⅑/₁₆" H
MR-1	for 1"	2⅝" sq. base	¼" H
MR-1-1/4	for 1¼"	3⅝" sq. base	1" H
MR-1-1/2	for 1½"	3¼" sq. base	1" H
MR-2	for 2"	4" sq. base	1" H
MR-2-1/2	for 2½"	5" sq. base	1" H

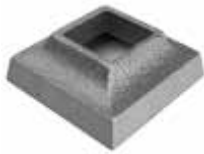
ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM SHOES & COLLARS

CAST ALUMINUM SHOES



- CAS-12** for ½" sq. 1¼" W x 1⅞" H
- CAS-58** for ⅝" sq. 1¼" W x 1⅞" H
- CAS-34** for ¾" sq. 1¼" W x 1⅞" H
- CAS-1** for 1" sq. 1¼" W x 1⅞" H
- CAS-114** for 1¼" sq. 2¾" W x 1½" H
- CAS-112** for 1½" sq. 3" W x 1¾" H



9502
for 1" sq.
2½" W x 1" H



AL-MM
for 1" sq.

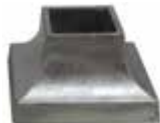
AL-LL
for 1" sq.



AL-RR
for 1¼" sq.



AL12
for 1½" sq.
3½" W x 2" H



AL22
for 2" sq.
4½" W x 2" H



ALSH1
for 1" 3⅝" sq. base 2⅞" H

ALSH114
for 1¼" 4" sq. base 2" H

ALSH112
for 1½" 4" sq. base 2" H

ALSH2
for 2" 4⅝" sq. base 1⅞" H

Marine Grade



2156-SHOE
1½" sq.
3⅝" W
1¾" H

DIE CAST COLLARS

MARINE GRADE



- 683-AL** for 1/2" 1-1/2" W x 1-7/8" H
- 683H-AL** for 5/8" 1-3/4" W x 1-7/8" H
- 683Y-AL** for 3/4" 2" W x 1-7/8" H
- 683Z-AL** for 1" 2-1/2" W x 2" H



Shown:
Collar - 683H-AL
Infill Casting - 60-M14



With Stainless Steel Set-screw

- EA68312** for 1/2" 1-1/2" W x 1-7/8" H
- EA68358** for 5/8" 1-7/8" W x 1-7/8" H
- EA68334** for 3/4" 2" W x 1-7/8" H
- EA6831** for 1" 2-3/8" W x 2-1/4" H

ALL DIMENSIONS ARE APPROXIMATE.

ALUMINUM BALL & POST CAPS

BALL & PINEAPPLE CAPS



Die Cast

AL118S - 2" Sq. 2-5/16" W x 3-7/16" H

AL121S - 2-1/2" Sq. 2-3/4" W x 4" H

Sand Cast

AL120D - 3" Sq. 4-1/2" H

AL119D - 4" Sq. 5-1/4" H



Die Cast

AL118P - 2" Sq.
2-1/2" W x 4-3/4" H

AL121P - 2-1/2" Sq.
3-1/8" W x 5" H

Die Cast

AL108 - 1" Sq. 1-5/16" W x 2-1/8" H

AL109 - 1-1/4" Sq. 1-9/16" W x 2-1/2" H

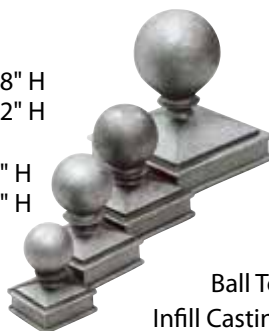
AL110 - 1-1/2" Sq. 1-7/8" W x 3" H

AL118 - 2" Sq. 2-5/8" W x 3-3/4" H

AL119 - 4" Sq. 4-3/4" W x 5-3/4" H

AL121 - 2-1/2" Sq. 3" W x 4" H

AL120 - 3" Sq. 3-3/4" W x 5" H



Shown:

Ball Top - AL121

Infill Casting - 60-445



POST CAPS



Die Cast

AL112P* For 1-1/2" Sq. 1-3/4" W x 5/8" H

AL212P* For 2-1/2" Sq. 2-3/4" W x 1-1/8" H

AL3P* For 3" Sq. 3-1/4" W x 1-1/8" H

AL4P For 4" Sq. 4-1/4" W x 1-1/2" H

*MARINE GRADE



Pressed Aluminum Post Cap - 18 gauge

APC-0058	for 5/8"	.34" H
APC-0075	for 3/4"	.41" H
APC-0100	for 1"	.48" H
APC-0125	for 1-1/4"	.56" H
APC-0150	for 1-1/2"	.65" H
APC-0200	for 2"	.88" H
APC-0250	for 2-1/2"	.97" H
APC-0300	for 3"	1.43" H
APC-0400	for 4"	1.58" H
APC-0600	for 6"	2.02" H
APC-0800	for 8"	2.78" H



Die Cast

AL806 For 1-1/2" Sq. 2" W x 7/8" H

AL807 For 2" Sq. 2-5/8" W x 1" H

AL813 For 2-1/2" Sq. 2-7/8" W x 1-1/2" H

AL808 For 3" Sq. 3-1/2" W x 1-1/2" H



Shown:

Post Cap - AL808

Tubular Baluster - 150206AL-1

Sand Cast

Weld-On Pyramid Post Caps



AL142D For 1-1/2" sq. 1-13/16" W x 1" H

AL143D For 2" sq. 2-1/4" W x 1-1/2" H

AL147D For 2-1/2" sq. 2-9/16" W x 1-1/2" H

AL144D For 3" sq. 3-1/4" W x 2-1/2" H

AL145D For 4" sq. 4" W x 1-9/16" H



Pressed Aluminum Flat Top Post Cap - 18 gauge

APC-620100	for 1"	.33" H
APC-620125	for 1-1/4"	.37" H
APC-620150	for 1-1/2"	.39" H
APC-620200	for 2"	.50" H
APC-620250	for 2-1/2"	.54" H
APC-620300	for 3"	.58" H
APC-620400	for 4"	.85" H

ALL DIMENSIONS ARE APPROXIMATE.

STAINLESS & CABLE RAILING



- 234** Cable Rail Infill Options
- 235-236** Cable Rail FAQs
- 237-242** Feeney CableRail
- 243-256** Ultra-tec Cable Rail
- 258-260** Easy Glass® Smart
- 261-263** Easy Glass® Slim
- 264-267** Easy Glass® Edge Protection
- 268-271** PanelGrip 2
- 272-274** Easy ALU
- 275** Easy Glass® View
- 276-281** Glass Clamps
- 282-284** Glass Adapters
- 285-293** INOX Railing Systems
- 294-295** Woodinox Railing System
- 296-301** LED Railing System
- 302-304** 1-1/2" & 2" Railing System
- 305-306** Handrail Brackets
- 307** Hinges & Locks for Glass
- 308** Maintenance Accessories

CABLE RAIL INFILL OPTIONS

We offer two cable rail infill systems - Feeney and Ultra-Tec - the industry leaders. Between them they have a wide range of cable sizes and fittings for practically every application.

Both Feeney and Ultra-Tec offer high quality 316 stainless steel cable that is affordable and low maintenance. Both work with either wood or metal post applications. The installation and fittings required for these systems do vary so take the time to understand each one. Choosing the correct system will be beneficial to the client and yourself.

feeney® CABLE·RAIL®

- Visible fittings and end caps allow for a more industrial appearance
- Versatile CableRail Kits for quick and easy installation
- Works well with square, round and flat posts
- Needs end caps
- Beveled washers required for stair runs



ULTRA-TEC® CABLE RAILING

- Availability of concealed fittings for a sleeker look
- Cable assembly packages with option for bulk cable and swaged fittings
- Generally used for square and round posts
- End caps not required
- Beveled washers not required for most applications



CABLE RAIL FAQs

What is the spacing between lines of cable?

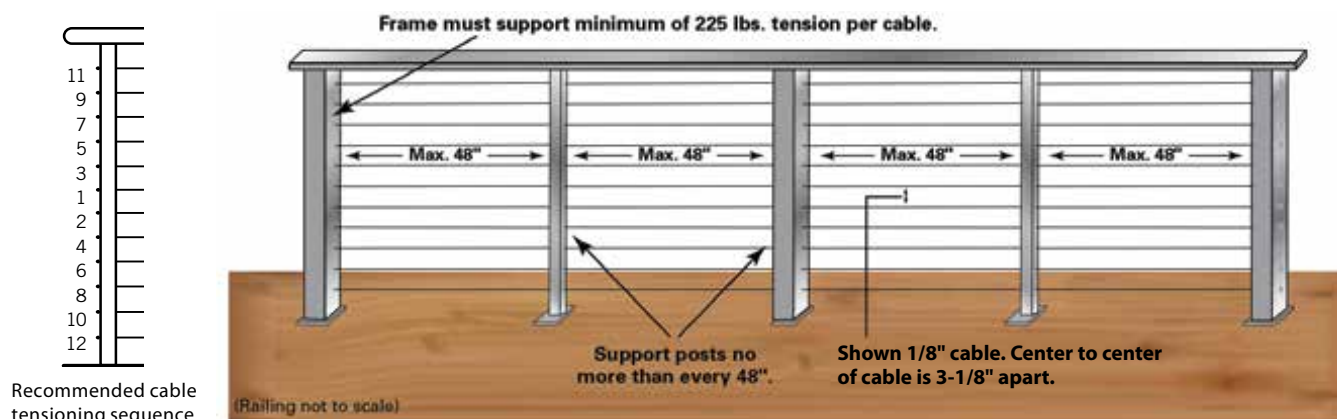
The recommended cable spacing should be no more than 3-inches apart. As the cable is not rigid, the flex in the cable must be accounted for, and not exceed the 4-inch sphere limit as set by the International Building Code.

What is the maximum spacing between intermediate posts?

Posts and intermediate posts and pickets should be spaced no more than 48-inches apart to minimize any deflection that may occur if the cables are forced apart.

What is the recommended tension on each cable run?

Properly installed cables typically have a tension in excess of 225 lbs per cable. Be sure that your railing frame is designed and built strong enough to support these loads. Tensioning tools are available (pages 242 and 256) to assist with this portion of the installation.



What are the recommended hole sizes to drill?

Drill holes in the posts depend on the cable size and type of fitting. See tables:

feeney® CABLE·RAIL

ULTRA-TEC®
CABLE RAILING

METAL POSTS				WOOD POSTS			
Cable Size	Threaded Term. Post	Intermediate Posts	Quick-Connect Post	Cable Size	Threaded Term. Post	Intermediate Posts	Quick-Connect Post
1/8"	5/16"	1/4"	3/8"	1/8"	5/16"	1/4"	3/8"
3/16"	3/8"	1/4"	9/16"	3/16"	3/8"	1/4"	9/16"
1/4"	7/16"	5/16"	9/16"				

If desired, Quick-Connect™ SS posts may be through drilled at 5/16" and then counter-bored with the recommended Quick-Connect™ SS drill to countersink the fitting.

If desired, Quick-Connect™ SS posts may be through drilled at 1/4" and then counter-bored with the recommended Quick-Connect™ SS drill to countersink the fitting.

Invisiware® Receiver
Part numbers:
R-6-12 through R-6-82
Pull-Lock®
Part numbers:
PUL-4-12/PUL-6-12 through
PUL-4-3.030/PUL-6-3.030
Cable Dia.: 1/8" and 3/16"
Drill 2 places

(TUBE)

Invisiware® Radius Ferrule
part number RF-4
Cable Dia.: 1/8"
*see note if using grommets

*see note

Invisiware® Radius Ferrule
part number RF-6
Cable Dia.: 3/16"
*see note if using grommets

*see note

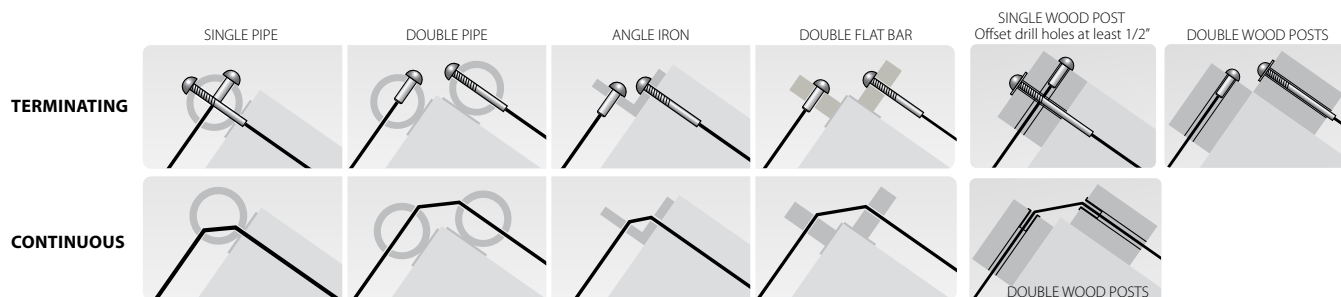
*Note: If grommets are being used, hole through which cable passes should be drilled as follows: RF-4 and RF-6 = 1/4" (.25")

What is the maximum length of a single run of cable?

Straight runs of cable (no turns/stairs) should not exceed 70 feet. Runs with corner bends (2 bends at most) should not exceed 40 feet. Depending on the number of turns the cable run has, you may consider a tensioning fitting on both ends.

How do I handle the transition at the corners?

In general, we recommend using two posts at every corner. This helps minimize the tension on the cables and also allows for all the lines of the cable to be on the same vertical spacing. A single post is possible but then you have to offset the cable lines by at least 1/2". Below are some illustrations on how to handle the corners.



What tools do I need to install cable rail?

You don't need any special tools for installation, however we offer a few installation accessories on page 242 for Feeney and page 256 for Ultra-tec.

What wall thickness for posts?

Metal and wood railing frames need to be designed and built strong enough to support the tension of properly installed cables, which is a load in excess of 225 lbs per cable.

Metal Posts:

Minimum size for all corner and end posts: Flat Bar (2" wide x 1" thick), Angle Iron (2" wide x 1/2" thick), Extra Strong Pipe (1-1/2" ID, 1-7/8" OD), Square Tube (2" wide x 1/4" wall thickness), all other posts should be sized as required for cap rail support strength or to meet local building code.

Wood Posts:

Minimum size for all corner and end posts: 3-1/2" wide x 5-1/2" thick (4x6 wood), all other posts should be sized as required for cap rail support strength or to meet local building code.

How do I maintain cable rail?

Cables are made from high quality 316-grade (marine grade) stainless steel for superior weather durability, high strength, and low maintenance. Outdoor cable installations are subject to airborne contaminants, humidity, coastal exposure (salt, sand), and periodic maintenance is recommended. Periodic cleaning of the cables will ensure many years of service. It is also important to periodically inspect the cables for proper cable tension, and re-tension as necessary.

Properly maintained stainless steel provides excellent luster, strength, and durability. Stainless steel cable is not rust or stain proof. When stainless comes in contact with chloride salts, sulfides, or other rusting metals, it can discolor or even rust and corrode. Never leave stainless in contact with iron, steel, or other metals.

Cables can be cleaned with soap and warm water using a non-abrasive pad or rag to keep them clean and free of salt and other contaminants. Specialized stainless steel cleaners and polishers can be found on page 308.

Please note that since building codes vary by State, County, and City, our recommendations may not comply with code requirements in all areas. Always consult with your local building department before starting your cable rail project.

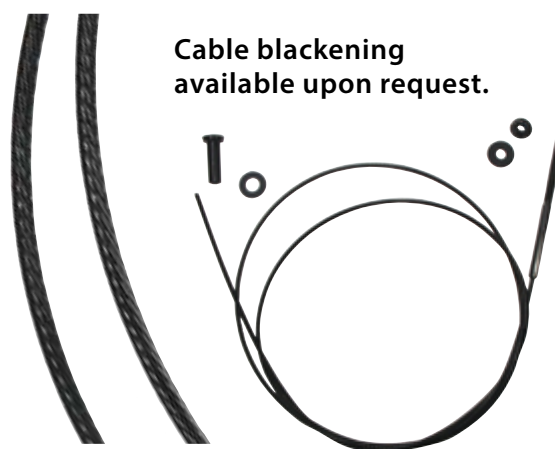
CableRail Kits for Metal and Wood Applications



Assembly shown is for metal applications.

Each kit includes the selected length of type 316 stainless steel cable with a Threaded Terminal fitting pre-attached to one end, one stainless steel Quick-Connect SS fitting, two nylon flat washers, and one stainless steel Snug-Grip washer-nut.

Select a preferred end cap style to cover, protect, and finish each end. End caps sold separately; see accessories section.



Cable blackening available upon request.

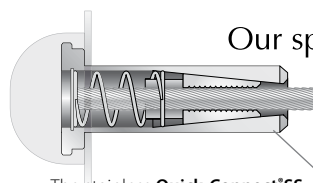


CABLERAIL BY feeney®

Attractive ■ Versatile ■ Durable



Easy-to-install, prefabricated CableRail Kits are an attractive, budget-friendly, and low-maintenance alternative to commonly used metal and wood picket infill. The Kits use high-strength, weather-tough type 316 stainless steel cable and come in a wide range of standard lengths that can be quickly trimmed to size in the field. Each kit includes special, easy-to-use Threaded Terminal and Quick-Connect®SS end fittings that remain concealed in your end posts. The result: an extremely durable, virtually invisible railing infill that leaves the view open and unimpaired.

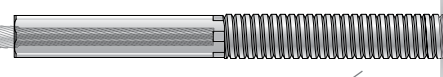


The stainless **Quick-Connect®SS** fitting is attached to the cable in the field without special tools. One-way jaws allow the cable to easily slide through the fitting in one direction but automatically grab and lock-on when the cable is released. Just slip it on, pull the cable tight, cut off the excess, and finish with an End Cap. Size: 3/8" O.D. x 1-1/4" Length

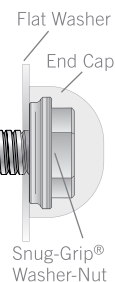
Our special end fittings make cable installations quicker & easier than ever.

Our most popular cable is 1/8" diameter, 1x19 construction, type 316 stainless steel for strength, durability, and weather protection. Cables come in standard assembly lengths from 5 feet to 70 feet.

Snug-Grip® Washer-Nut and Flat Washers are all included. **Colored and Stainless End Caps** are also available to cover, protect, and finish both ends (caps sold separately).



The stainless **Threaded Terminal** fitting is fastened (swaged) to one end of the cable at the factory. Attach it to an end post using a special Snug-Grip® Washer-Nut and spin the nut to adjust final tension in the line. Finish with an End Cap.
Size: 1/4" O.D. x 4-1/4" Length (for metal frames)



CHECK THE CABLE-RAIL ADVANTAGES

- ☐ Attractive, affordable, and very low maintenance.
- ☐ Invisible appearance will not impair views.
- ☐ Made from strong and weather-tough type 316 stainless steel cable.
- ☐ Can be used on new or existing wood or metal railing frames.
- ☐ Simple, fast, do-it-yourself installation using prefabricated assemblies.
- ☐ Special easy-to-use fittings are hidden in the end posts.
- ☐ Made from over 70% recycled materials.
- ☐ Versatile uses: railings, trellises, fences, exterior, interior, residential, commercial.

10 YEAR WARRANTY

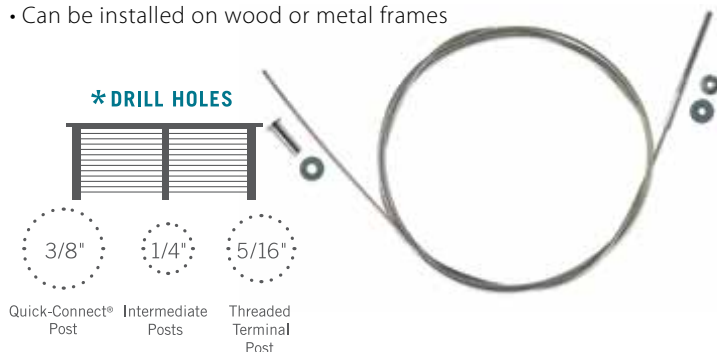
Feeney, Inc. warrants that all CableRail stainless steel cable and connectors shall be free from defects in material and workmanship under normal use, conditions, installation, and maintenance in accordance with product specifications for ten years from date of purchase. The complete text of this warranty is available upon request.

ALL DIMENSIONS ARE APPROXIMATE.

CableRail Kits

1/8" Standard Kit

- Our most popular and cost effective cable option
- Perfect for all residential and light commercial projects
- Can be installed on wood or metal frames



metal posts

ASSEMBLY LENGTHS	MODEL*
5'	6205-pkg
10'	6210-pkg
15'	6215-pkg
20'	6220-pkg
25'	6225-pkg
30'	6230-pkg
35'	6235-pkg
40'	6240-pkg
45'	6245-pkg
50'	6250-pkg
55'	6255-pkg
60'	6260-pkg
65'	6265-pkg
70'	6270-pkg

*With 4 1/4" terminal for metal posts

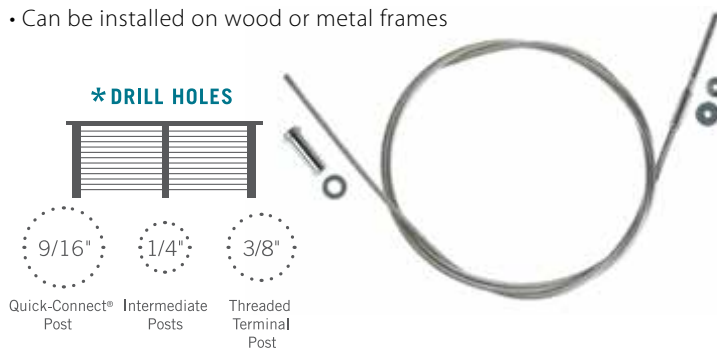
wood posts

ASSEMBLY LENGTHS	MODEL*
5'	6305-pkg
10'	6310-pkg
15'	6315-pkg
20'	6320-pkg
25'	6325-pkg
30'	6330-pkg
35'	6335-pkg
40'	6340-pkg
45'	6345-pkg
50'	6350-pkg
55'	6355-pkg
60'	6360-pkg
65'	6365-pkg
70'	6370-pkg

*With 7 1/2" terminal for wood posts

3/16" Standard Kit

- Extra durable option for commercial and residential settings
- Can be installed on wood or metal frames



ASSEMBLY LENGTHS	MODEL*
5'	6705-pkg
10'	6710-pkg
15'	6715-pkg
20'	6720-pkg
25'	6725-pkg
30'	6730-pkg
35'	6735-pkg
40'	6740-pkg
45'	6745-pkg
50'	6750-pkg
55'	6755-pkg
60'	6760-pkg
65'	6765-pkg
70'	6770-pkg

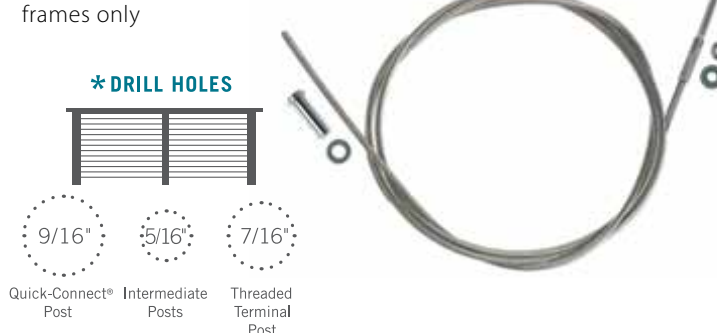
*With 4 1/4" terminal for metal posts

ASSEMBLY LENGTHS	MODEL*
5'	6805-pkg
10'	6810-pkg
15'	6815-pkg
20'	6820-pkg
25'	6825-pkg
30'	6830-pkg
35'	6835-pkg
40'	6840-pkg
45'	6845-pkg
50'	6850-pkg
55'	6855-pkg
60'	6860-pkg
65'	6865-pkg
70'	6870-pkg

*With 7 1/2" terminal for wood posts

1/4" Standard Kit

- Largest, most durable option for high-traffic, high-wear commercial locations
- Also for railing designs where the "look" of a larger cable is desired
- Recommended for metal railing frames only



ASSEMBLY LENGTHS	MODEL*
5'	6905-pkg
10'	6910-pkg
15'	6915-pkg
20'	6920-pkg
25'	6925-pkg
30'	6930-pkg
35'	6935-pkg
40'	6940-pkg
45'	6945-pkg
50'	6950-pkg
55'	6955-pkg
60'	6960-pkg
65'	6965-pkg
70'	6970-pkg

*With 4 1/4" terminal for metal posts



CableRail Kits are designed to be used on your own wood or metal frames in either interior or exterior settings.

ALL DIMENSIONS ARE APPROXIMATE.

Cable accessories for metal and wood applications

STAINLESS PROTECTOR SLEEVES (wood posts only)

For protecting corner and stairway transition posts from cable abrasion. Sold 10 per package

3210-pkg 1/4"OD x 7/8"long,
(fits 1/4" diameter drill holes)



STAINLESS BEVELED WASHERS

For providing a flat bearing surface when attaching fittings at angled stair terminations.



For 1/8" Cable

Sold 4 per package.

3799-pkg For 1/8" Threaded Terminal (3/4"OD x 9/32"ID)

3792-pkg For 1/8" Quick-Connect®SS (3/4"OD x 3/8"ID)

For 3/16" Cable

Sold 4 per package.

3799-pkg For 3/16" Threaded Terminal (3/4"OD x 9/32"ID)

Sold Individually

3798 For 3/16" Quick-Connect®SS (3/4" OD x 9/16" ID)

For 1/4" Cable

Sold 4 per package.

3792-pkg For 1/4" Threaded Terminal (3/4"OD x 3/8"ID)

Sold Individually

3798 For 1/4" Quick-Connect®SS (3/4" OD x 9/16" ID)

RUBBER GROMMET FOR 1/8" CABLE

An optional accessory that will add a finished detail to holes in tubular metal intermediate posts.

- For use with 1/8" dia. cable only
- Fits 1/4" diameter drill holes



For 1/8" Cable

3213 1/4" OD x 3/16" groove, 7/16" flange

ISOLATION BUSHINGS

For eliminating direct contact of dissimilar metals to minimize electrolysis when attaching cables and fittings to metal posts in areas with salt air or similar harsh elements.



Part # Used On

Size

Hole Ø

For 1/8" Cable

1100	1/8" Quick-Connect®SS	3/8" ID x 15/32" OD, 11/16" flange	15/32"
1101	1/8" Cable	3/16" ID x 1/4" OD, 3/8" flange	1/4"
1102	1/8" Threaded Terminal	1/4" ID x 5/16" OD, 1/2" flange	5/16"

For 3/16" Cable

1103	3/16" Quick-Connect®SS	35/64" ID x 5/8" OD, 55/64" flange	5/8"
1102	3/16" Cable	1/4" ID x 5/16" OD, 1/2" flange	5/16"
1100	3/16" Threaded Terminal	3/8" ID x 15/32" OD, 11/16" flange	15/32"

For 1/4" Cable

1103	1/4" Quick-Connect®SS	35/64" ID x 5/8" OD, 55/64" flange	5/8"
1104	1/4" Cable	9/32" ID x 23/64" OD, 19/32" flange	23/64"
1105	1/4" Threaded Terminal	7/16" ID x 17/32" OD, 3/4" flange	17/32"

STAINLESS END CAPS

Decorative option for covering and finishing QuickConnect®SS fittings and Snug-Grip® Washer Nuts. Sold 4 per package.

3372-pkg Dome Style, 3/4"OD x 3/8"H

3373-pkg Crown Style, 3/4"OD x 3/8"H

3374-pkg Chamfer Style, 3/4"OD x 3/8"H



DOMES

CROWN

CHAMFER

COLORED END CAPS (POLYETHYLENE) Decorative option for covering and finishing Quick-Connect®SS fittings and Snug-Grip® Washer Nuts.

Sold 10 per package.

7071-pkg Black, 3/4"OD x 3/8"H

7072-pkg White, 3/4"OD x 3/8"H

7073-pkg Brown, 3/4"OD x 3/8"H

7074-pkg Gray, 3/4"OD x 3/8"H



QUICK-CONNECT® RELEASE TOOL

For temporarily releasing the jaws of the Quick-Connect®SS fitting to remove or adjust the position. Reusable.

Sold 1 per package.

3128-pkg For 1/8" Quick-Connect®

3158-pkg For 3/16" Quick-Connect®



ALL DIMENSIONS ARE APPROXIMATE.

CABLERAIL CUSTOM ASSEMBLIES

Projects with special installation conditions or design considerations may require certain styles of cable and fittings not addressed by our CableRail Standard Cable Assemblies. To fulfill those specific design and function needs, we offer an assortment of cables, turnbuckles, terminals, adjusters, and fixed ends for custom assemblies.

CABLE FITTINGS-There are two types of cable fittings

① TENSION ADJUSTMENT FITTINGS

- Includes Threaded Terminals, Turnbuckles, and Adjusters that are used to tighten the cable lines
- Tension is adjusted by tightening the nut on the Threaded Terminals, spinning the tubular body on the Turnbuckles, or rotating the bolt on the Adjusters
- Tension Adjustment fittings can be paired with either a Fixed End or another Tension Adjustment Fitting

② FIXED ENDS

- Non-adjustable end termination fittings, sometimes referred to as "dead ends"
- Have no tensioning capabilities
- Each Fixed End must be paired with at least one Tension Adjustment Fitting

Every cable assembly must have at least one Tension Adjustment Fitting.

Quick-Connect® Tension Adjustment Fittings

QUICK-CONNECT® THREADED TERMINAL

Inserts through a drill hole in the post and is secured and adjusted with a washer nut.

9904 For 1/8" Cable

9804 For 3/16" Cable



QUICK-CONNECT® SURFACE MOUNT TURNBUCKLE

Attaches to the face of a wall or post using screws or bolts.

9902 For 1/8" Cable



QUICK-CONNECT® LAG SWIVEL TURNBUCKLE

Screws into the face of a wood post using a hanger bolt with lag thread (included). Tension adjusted by spinning the special swiveling turnbuckle body.

9910DL For 1/8" Cable

9810 For 3/16" Cable



QUICK-CONNECT® PIVOT SWIVEL TURNBUCKLE

Screws into the face of a wood post or wall using a hanger bolt with lag thread (included). Tension adjusted by spinning the special swiveling turnbuckle body. 180° pivoting allows for angled stair terminations.

9916DL For 1/8" Cable

9816 For 3/16" Cable



Quick-Connect® Fixed End Fittings

THE ORIGINAL QUICK-CONNECT®SS

Fits into a hole drilled in end post, and the lip rests against the outside post face.

3146 For 1/8" Cable

3147 For 3/16" Cable

3148 For 1/4" Cable



QUICK-CONNECT® FIXED SURFACE MOUNT

Attaches to the face of a wall or post using screws or bolts.

9903 For 1/8" Cable

9803 For 3/16" Cable



QUICK-CONNECT® LAG

Combines a lag thread hanger bolt with a Quick-Connect® Body. Screws into the face of a wood post. Can be paired with any Tension Adjustment Fitting.

9905DL For 1/8" Cable

9805 For 3/16" Cable



QUICK-CONNECT® PIVOT

Screws into the face of a wood post or wall using a hanger bolt with lag thread (included). 180° pivoting allows for angled stair terminations.

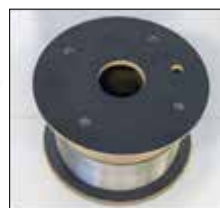
9915DL For 1/8" Cable

9815 For 3/16" Cable



1x19 CONSTRUCTION CABLES

19 individual wires twisted into a single, semi-flexible strand. Excellent for railings, fences, and trellises with straight runs or slight bends.



1/8" CABLE	PART NO.	3/16" CABLE	PART NO.
PER FOOT*	4AS2	PER FOOT*	6AS2
100FT	4AS2-100FT	100FT	6AS2-100FT
500FT	4AS2-500FT	500FT	6AS2-500FT

**spooling fee will apply*

Cable accessories for metal and wood applications

CABLERAIL TENSIONING TOOL

Tensioning Tool includes the 1/8-in. diameter cable adapter head. Sold 1 per package
6005-pkg

TENSIONING TOOL ADAPTER

5071 For 3/16" and 1/4" cable

TENSION GAUGE

Designed for use on applications using 1/8, 3/16, and 1/4 inch sized cables with 1x19 construction. Sold 1 per package
6004-pkg

CABLE LACING NEEDLE

For quickly lacing cable ends through posts without snagging. 4-1/2" long. Reusable.
Sold 1 per package.
3221-pkg For 1/8" cable
3222-pkg For 3/16" cable
3223-pkg For 1/4" cable

QUICK-CONNECT® RELEASE TOOL

For temporarily releasing the jaws of the Quick-Connect®SS fitting to remove or adjust the position. Reusable.
Sold 1 per package.
3128-pkg For 1/8" Quick-Connect®
3158-pkg For 3/16" Quick-Connect®

ALUMINUM INTERMEDIATE PICKETS-WOOD FRAMES ONLY

These pickets are a time-saving vertical spacer option for CableRail installations with wood frames. They are low-maintenance and maintain correct cable spacing.

- Pre-drilled for 1/8" cables at 3" spacing
- Slotted holes in stair pickets accommodate 20-45 degree slope
- Field trimmed to fit railings up to 42" high
- Includes base plates and screws.

Sold 1 per package.

7648-SLV-PKG Level rail picket, 3/4" sq., 44" long, Silver

7649-SLV-PKG Stair rail picket, 3/4" sq., 46" long, Silver

CABLE CUTTERS

For shearing excess cable. Sold 1 per package.
2972-pkg

For cable up to 1/8", 8" long, coated handles, hardened jaws

2971 For cable up to 1/4", 13" long, coated handles, hardened jaws

FEENEY STEELRENEWAL™ + STEELPROTECT™ COMBO

Stainless Steel Cleaner and Protectant Combination Pack. Sold 1 kit per package
Kit contains:

- 1 Bottle Feeney SteelRenewal™ cleaner (100 ml.)
- 1 Bottle Feeney SteelProtect™ protectant (100 ml.)
- Applicator brush for cleaner
- Applicator sponge for protectant
- Protection gloves

5064-pkg

VISIT OUR WEBSITE:

archirondesign.com/feeneycablerail

to download installation instructions and to view customer projects.



Cable Railing Infill for Metal and Wood Posts

Ultra-Tec, the ultimate cable railing infill, offers concealed hardware which allows for unobstructive views and easy installation. Ultra-Tec is available in pre-cut cable lengths or spools of cable for larger jobs.



Cable blackening
available upon
request.

OPTION 1: CABLE ON A SPOOL, SWAGE-ON FITTINGS, SWAGER RENTAL KIT

For larger cable installations consider spooled bulk cable, swage-on fittings and a swager rental kit. Choose your cable size and feet required, fixed end and tensioning end fittings.

Step 1: Choose **cable size** and feet required

Ultra-Tec[®] recommends using 1x19 Type 316 stainless steel L/H lay strand (or cable) for railing infill because of its strength, for its diameter, its resistance to corrosion, and its compatibility with stainless steel hardware. Choose from 1/8" and 3/16" diameters.

1/4", 5/16" and 3/8" cable is also available.



1/8" CABLE	PART NO.
PER FOOT*	4AS2
100FT	4AS2-100FT
500FT	4AS2-500FT
3/16" CABLE	PART NO.
PER FOOT*	6AS2
100FT	6AS2-100FT
500FT	6AS2-500FT

**spooling fee will apply*

Step 2: Choose **Swaged Tensioning** Fitting

See page 246 for Metal

See page 250 for Wood

Step 3: Choose **Swaged Non-Tensioning** Fitting

See page 247 for Metal

See page 251 for Wood

Step 4: Choose a **Swager** Rental Kit

See page 256

Step 5: Choose **Accessories**

See page 254-256

Scan the QR Code to view a video which demonstrates swaging studs onto cable and installing Invisiware[®] Receivers in metal posts.



OPTION 2: CUT-TO-LENGTH CABLES WITH ONE FACTORY-SWAGED FITTING AND ONE SWAGELESS END READY FOR A NON-TENSIONING FITTING

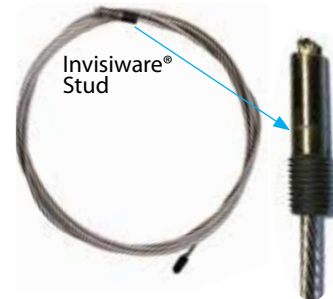
Step 1: Choose a cable assembly

Each cable length is provided with an Invisiware® Stud and a washer. Choose a receiver to hold the Invisiware® Stud and a non-tensioning fitting for the opposite end of the cable run, that fits your tubing size and you will be ready to install.

For metal and wood posts. Available in 1/8" and 3/16"

1/8" CABLE LENGTHS	MODEL
5'	4AS2-S4-5FT
10'	4AS2-S4-10FT
15'	4AS2-S4-15FT
20'	4AS2-S4-20FT
25'	4AS2-S4-25FT
30'	4AS2-S4-30FT
40'	4AS2-S4-40FT
50'	4AS2-S4-50FT
60'	4AS2-S4-60FT
70'	4AS2-S4-70FT

3/16" CABLE LENGTHS	MODEL
5'	6AS2-S6-5FT
10'	6AS2-S6-10FT
15'	6AS2-S6-15FT
20'	6AS2-S6-20FT
25'	6AS2-S6-25FT
30'	6AS2-S6-30FT
40'	6AS2-S6-40FT
50'	6AS2-S6-50FT
60'	6AS2-S6-60FT
70'	6AS2-S6-70FT



Step 2: Choose Swageless Tensioning Fitting

See page 248 for Metal

See page 252 for Wood

Step 3: Choose Swageless Non-Tensioning Fitting

See page 249 for Metal

See page 253 for Wood

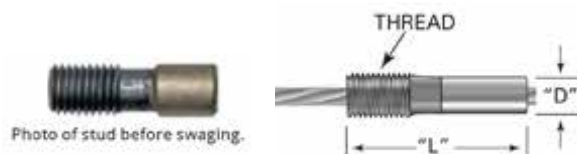
Step 4: Choose Accessories

See page 254-256

SWAGED TENSIONING FITTINGS FOR METAL POSTS

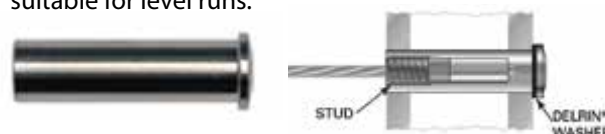


The **Invisiware® Stud** is swaged onto the end of the cable and used with the Invisiware® Receiver.



CABLE DIA.	ITEM NO.	THREAD	"L"	"D" DIAMETER AFTER SWAGED
1/8"	S-4	5/16-24	1.180"	.250"
3/16"	S-6	5/16-24	1.140"	.250"

The **Invisiware® Receiver** is to be used with the Invisiware® Stud. This combination is a concealed, swaged, tensioning, through-the-post-mounted fitting that is suitable for level runs.

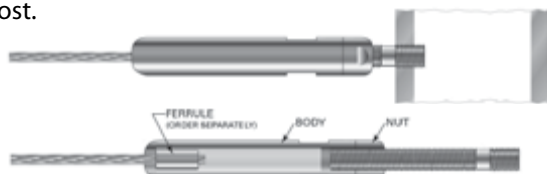


FRAMING OPTIONS FOR INVISIWARE® RECEIVER

CABLE DIA. FRAME OPTIONS	1/8" CABLE ITEM NO.	3/16" CABLE ITEM NO.	LENGTH
1-1/2" Tube* or 1-1/4" Pipe	R-6-12	R-6-12	1.56"
1-1/2" Pipe	R-6-22	R-6-22	1.81"
2" x 2" Tube*	R-6-32	R-6-32	2.03"
2" Pipe	R-6-42	R-6-42	2.30"
2-3/8" Tube*	R-6-72	R-6-72	2.405"
2-1/2" Tube*	R-6-82	R-6-82	2.53"
3" Tube*	R-6-52	R-6-52	3.03"
3-1/2" Tube*	R-6-62	R-6-62	3.5625"

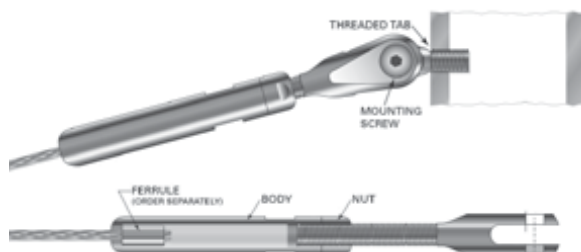
*ROUND OR SQUARE TUBE

Adjust-A-Body® w/Threaded Bolt can be used with any fitting on the opposite end of the run. The short thread of the threaded bolt portion of the fitting is secured into a pre-drilled and tapped hole in the end post.



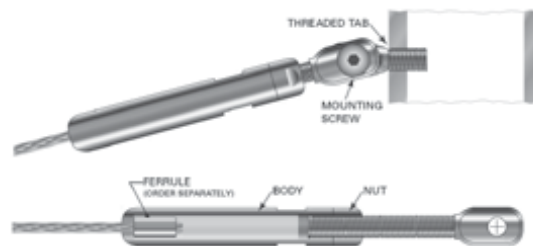
CABLE DIA.	ITEM NO.	USE WITH FERRULE
1/8"	A-JTB6	F-4
3/16"	A-JTB6	F-6

Adjust-A-Jaw® and Threaded Tab fitting attaches to the end post by installing a Threaded Tab into a pre-drilled and tapped hole in the end post and attaching the threaded jaw portion of the fitting to the threaded tab with a button head screw.



CABLE DIA.	ITEM NO.	USE WITH FERRULE	USE WITH SCREW	USE WITH TAB
1/8"	A-J62	F-4	SC-6	TT-6B
3/16"	A-J62	F-6	SC-6	TT-6B

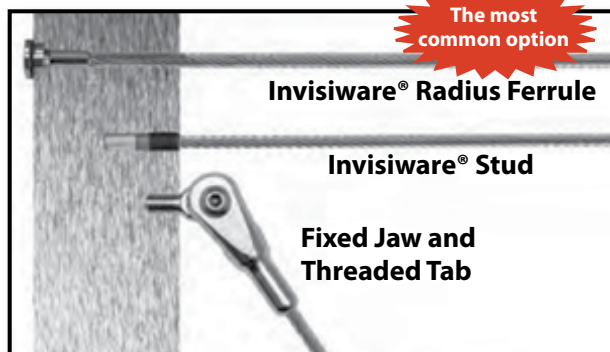
Adjust-A-Body® w/Threaded Eye and Threaded Tab fitting attaches to the end post by installing a Threaded Tab into a pre-drilled and tapped hole in the end post and attaching the threaded eye portion of the fitting to the threaded tab with a button head screw.



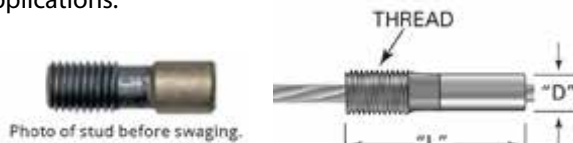
CABLE DIA.	ITEM NO.	USE WITH FERRULE	USE WITH SCREW	USE WITH TAB
1/8"	A-JTE6	F-4	SC-6	TT-6B
3/16"	A-JTE6	F-6	SC-6	TT-6B

Some fittings also available for 1/4", 5/16" and 3/8" dia. cable.

SWAGED NON-TENSIONING FITTINGS FOR METAL POSTS



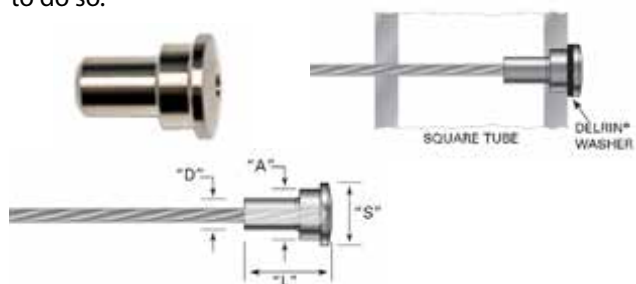
The **Invisiware® Stud** can be used as a non-tensioning end in level or pitched applications. It is swaged onto one end of the cable and threaded into a drilled and tapped hole in the face of the post. This fitting would typically be paired with an Invisiware® Receiver and Stud tensioning fitting on the opposite end. This method of using an Invisiware® Stud as a non-tensioning end is restricted to interior applications.



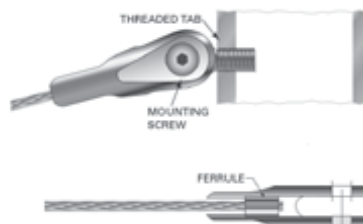
CABLE DIA.	ITEM NO.	THREAD	"L"	"D" DIAMETER AFTER SWAGED
1/8"	S-4	5/16-24	1.180"	.250"
3/16"	S-6	5/16-24	1.140"	.250"

The **Invisiware® Radius Ferrule** fitting has a head shaped to appear like the Invisiware® Receiver from the outside of the post (like the Invisiware® Receiver, the Invisiware® Radius Ferrule is concealed within the post). For these two reasons it is recommended to use the Invisiware® Radius Ferrule on one end of your cable run and an Invisiware® Receiver and Stud on the opposite end whenever practical to do so.

Fixed Jaw and Threaded Tab fitting attaches to the metal end post by installing a Threaded Tab into a pre-drilled and tapped hole in the end post and attaching the Fixed Jaw to the threaded tab with a button head screw. The cable is retained within the Fixed Jaw fitting by a ferrule swaged onto the end of the cable.



CABLE DIA.	ITEM NO.	"D" DIA. AFTER SWAGED	"L" LENGTH AFTER SWAGED	"S" HEAD DIA.	"A" SHOULDER DIA.
1/8"	RF-4	.250"	.750"	.537"	.437"
3/16"	RF-6	.250"	.750"	.537"	.437"



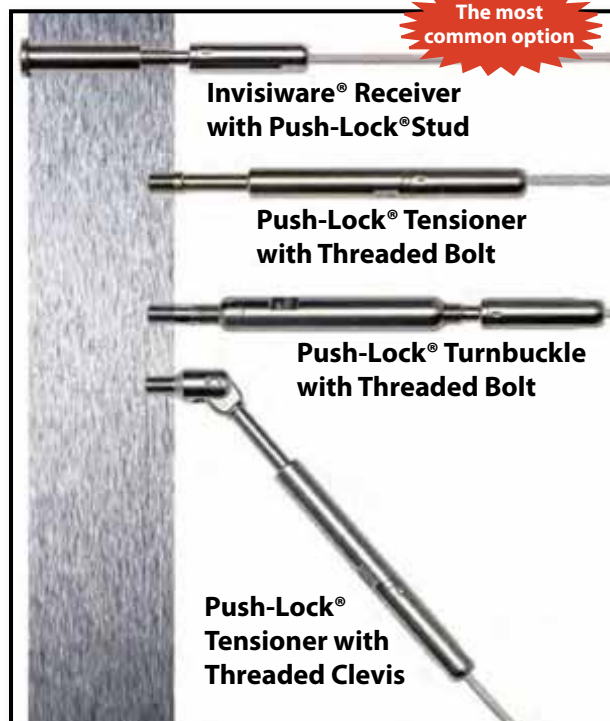
CABLE DIA.	ITEM NO.	USE WITH FERRULE	USE WITH SCREW	USE WITH TAB
1/8"	F-J62	F-4	SC-6	TT-6B
3/16"	F-J62	F-6	SC-6	TT-6B

Scan the QR Code to view a video which demonstrates swaging Ferrules onto Cable.



Some fittings also available for 1/4", 5/16" and 3/8" dia. cable.

SWAGELESS TENSIONING FITTINGS FOR METAL POSTS



Push-Lock® Tensioner w/Threaded Bolt fitting consists of two separate pieces: the threaded bolt and Push-Lock® tensioning body. The threaded bolt is installed into a pre-drilled and tapped hole in the end post. The cable attaches to the fitting via the Push-Lock® locking wedge system. The body threads onto the other end of the bolt, connecting the two pieces.



CABLE DIA.	ITEM NO.
1/8"	PL-SFC-MS-4
3/16"	PL-SFC-MS-6



CABLE DIA.	ITEM NO.
1/8"	PL-SFC-MP-4
3/16"	PL-SFC-MP-6

Push-Lock® Tensioner w/ Threaded Clevis fitting consists of two separate pieces: the articulating threaded bolt and Push-Lock® tensioning body. The threaded bolt is installed into a pre-drilled and tapped hole in the end post. The cable attaches to the body via the Push-Lock® locking wedge system. The machine thread of the articulating bolt threads into the body, connecting the two pieces.

Invisiware® Receiver with Push-Lock® Stud fitting requires that a minimum of 2-1/2" of clearance exists on the back side of the end post to install the Receiver into the post. The Receiver is furnished with a Delrin® washer that is installed between the shoulder of the fitting and the end post to protect the surface of the finish of the end post as tension is applied.



Push-Lock® Stud attaches manually with no special tools required. The cable attaches to the fitting via the Push-Lock® locking wedge system.

CABLE DIA.	SWAGELESS. PUSH-LOCK STUD
1/8"	PLST-4
3/16"	PLST-6



Choose an **Invisiware® Receiver** to be used with the Push-Lock® Stud.



FRAMING OPTIONS FOR INVISIWARE® RECEIVER

CABLE DIA. FRAME OPTIONS	1/8" CABLE ITEM NO.	3/16" CABLE ITEM NO.	LENGTH
2" Pipe	R-6-42	R-6-42	2.30"
2-3/8" Tube*	R-6-72	R-6-72	2.405"
2-1/2" Tube*	R-6-82	R-6-82	2.53"
3" Tube*	R-6-52	R-6-52	3.03"
3-1/2" Tube*	R-6-62	R-6-62	3.5625"

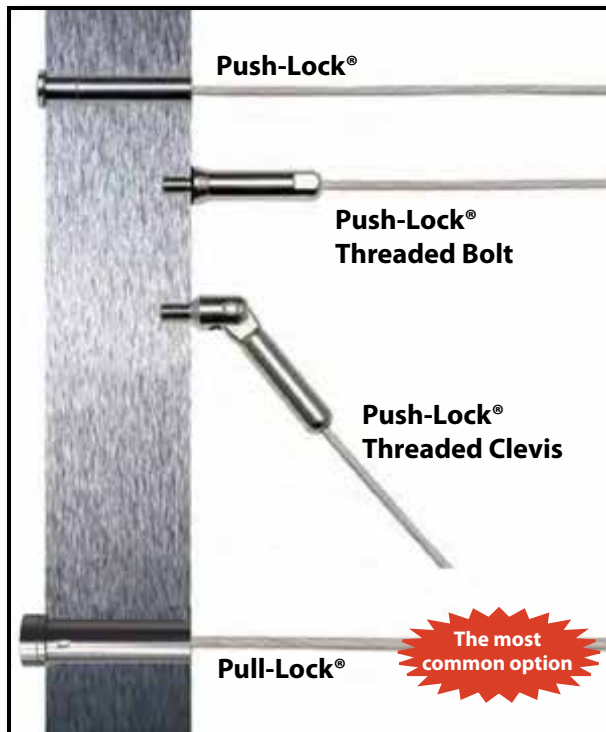
*ROUND OR SQUARE TUBE

Push-Lock® Turnbuckle w/Threaded Bolt fitting consists of four separate pieces: the threaded bolt, the body, the lock nut, and the Push-Lock® Stud. The short thread of the threaded bolt is secured into a pre-drilled and tapped hole in the face of the end post. The lock nut is installed all the way onto the exposed machine thread of the threaded bolt first, followed by the body. The Push-Lock® Stud threads into the body, and the cable attaches to the stud fitting via the Push-Lock® locking wedge system.

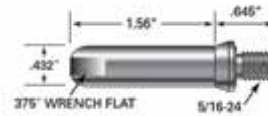


CABLE DIA.	ITEM NO.
1/8"	PL-TB-TB-4
3/16"	PL-TB-TB-6

SWAGELESS NON-TENSIONING FITTINGS FOR METAL POSTS



The Push-Lock® Threaded Bolt fitting is installed into a pre-drilled and tapped hole. This fitting is furnished with a Delrin® washer that is installed between the shoulder of the fitting and the end post to protect the surface of the end post.



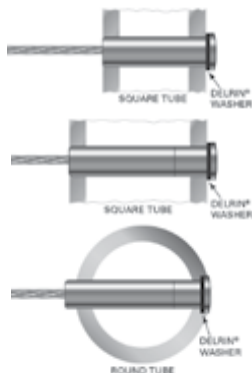
CABLE DIA.	ITEM NO.
1/8"	PL-FM-MS-4
3/16"	PL-FM-MS-6

The Push-Lock® Threaded Clevis fitting is installed into a pre-drilled and tapped hole in the end post. The cable attaches to the body via the Push-Lock® locking wedge system.



CABLE DIA.	ITEM NO.
1/8"	PL-CL-RP-4
3/16"	PL-CL-RP-6

The Push-Lock® fitting is installed into a pre-drilled hole in the end post. Using the Push-Lock® fitting requires enough clearance on the back side of the end post. The amount of clearance depends on the length of the Push-Lock® fitting chosen.



METAL FRAMING OPTIONS FOR PUSH-LOCK® FITTINGS

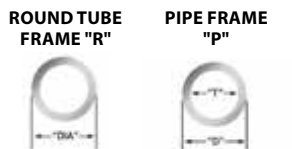
FRAME "F"	FRAME "R"	FRAME "P"	1/8" CABLE ITEM NO.	3/16" CABLE ITEM NO.	"L" LENGTH
1-1/2"	1-1/2"	1-1/4"	PL-4-12	PL-6-12	1.562"
2"	2"	1-1/2"+	PL-4-2.030	PL-6-2.030	2.030"
3"	3"	N/A	PL-4-3.030	PL-6-3.030	3.030"

† will protrude from cable side of post +/- 1/8"

POST PARAMETERS FOR PUSH-LOCK® & PULL-LOCK® FLAT SIDED FRAME "F"



** Push-Locks® & Pull-Locks® cannot be used with angle shapes or flat bar in pitch applications unless the post hole is drilled at the angle of the stair rake and a beveled washer is used.*

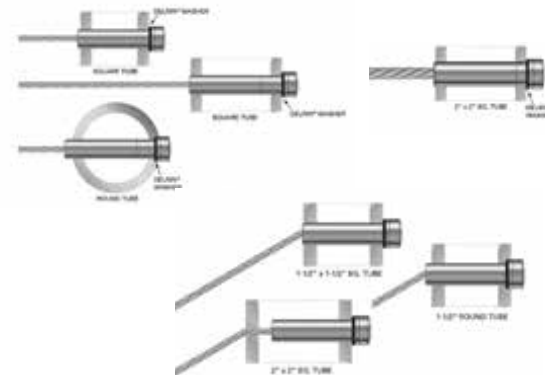


*T = Theor. I.D. (Pipe Size)

D = Outside diameter

SIZE	"T"	"D"
1-1/4"	1.25"	1.66"
1-1/2"	1.5	1.91"
2"	2.00"	2.375"

The Pull-Lock® fitting is installed into a pre-drilled hole in the end post. Using the Pull-Lock® fitting on level or pitched runs requires enough clearance on the back side of the end post to install the fitting through the back side of the post. That amount of clearance depends on the length of Pull-Lock® chosen.



METAL FRAMING OPTIONS FOR PULL-LOCK® FITTINGS

FRAME "F"	FRAME "R"	FRAME "P"	1/8" CABLE ITEM NO.	3/16" CABLE ITEM NO.	"L" LENGTH
1-1/2"	1-1/2"	1-1/4"	PUL-4-12	PUL-6-12	1.562"
N/A	N/A	1-1/2"	PUL-4-1.810	PUL-6-1.810	1.810"
2"	2"	N/A	PUL-4-2.030	PUL-6-2.030	2.030"
N/A	N/A	2"	PUL-4-2.300	PUL-6-2.300	2.300"
2-3/8"	2-3/8"	N/A	PUL-4-2.375	PUL-6-2.375	2.375"
3"	3"	N/A	PUL-4-3.030	PUL-6-3.030	3.030"
2-1/2"	2-1/2"	2-1/2"	PUL-4-2.530	PUL-6-2.530	2.530"
3-1/2"	3-1/2"	3"	PUL-4-3.030	PUL-6-3.030	3.030"

The most common option

Invisiware® Receiver with Invisiware® Stud

Adjust-A-Body® with Hanger Bolt

Adjust-A-Jaw® and Lag Eye

Adjust-A-Body® with Threaded Eye and Lag Eye

Photo of stud before swaging.

Technical drawing labels: THREAD, D, L

CABLE DIA.	ITEM NO.	
1/8"	R-6-62	
3/16"	R-6-62	

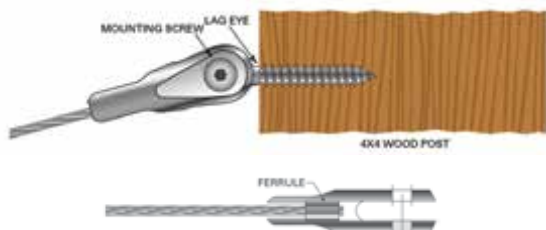
Technical drawing of a 1/2 inch open end wrench. The drawing shows the wrench with labels for its components: FERRULE (ORDER SEPARATELY), BODY, NUT, and a 1/2 inch thread. Dimensions are provided: overall length is 10 1/2 inches, body length is 3 1/2 inches, and the open end has a 1/2 inch opening. The closed end has a 1/2 inch thread and a 1/2 inch diameter. The wrench is shown in a side view with a cross-section of the handle.

**Some fittings also available for
1/4", 5/16" and 3/8" dia. cable.**

SWAGED NON-TENSIONING FITTINGS FOR WOOD POSTS



Fixed Jaw w/Lag Eye fitting attaches to the wood end post by installing a Lag Eye into a pre-drilled hole in the end post and attaching the Fixed Jaw to the lag eye with a button head screw. The cable is retained within the Fixed Jaw by a ferrule swaged onto the end of the cable.



CABLE DIA.	ITEM NO.	USE WITH FERRULE	USE WITH SCREW	USE WITH LAG EYE
1/8"	F-J62	F-4	SC-6	LE-6
3/16"	F-J62	F-6	SC-6	LE-6

The **Invisiware® Radius Ferrule** fitting has a head shaped to appear like the Invisiware® Receiver from the outside of the post (like the Invisiware® Receiver, the Invisiware® Radius Ferrule is concealed within the post). For these two reasons it is recommended to use the Invisiware® Radius Ferrule on one end of your cable run and an Invisiware® Receiver and Stud on the opposite end whenever practical to do so.

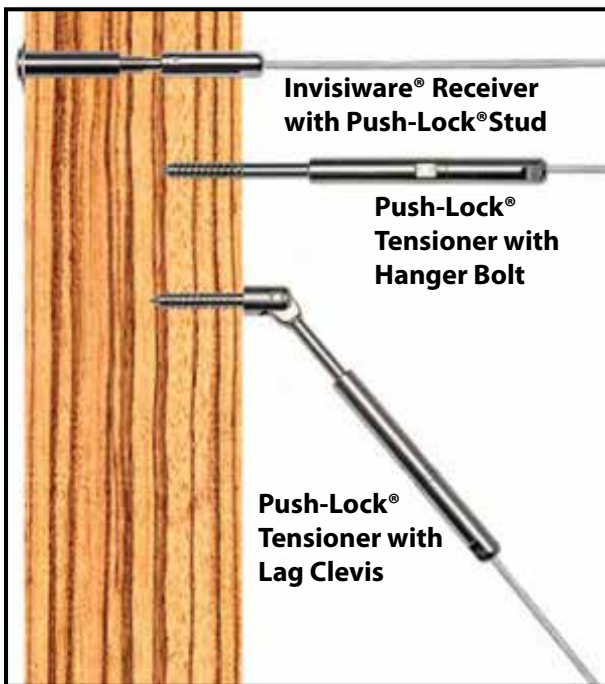


You can use this fitting on a pitched application by installing a post protector tube into the face of the post where the cable exits at an angle. The post protector tube protects the face of the post from abrasion and furrowing as the cable is tensioned. The post protector tube is sold separately.

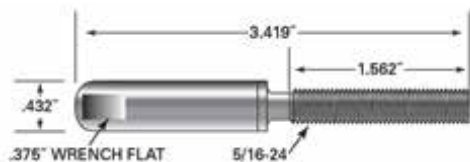
CS-TUBE
For 1/8" & 3/16"
Cable



SWAGELESS TENSIONING FITTINGS FOR WOOD POSTS

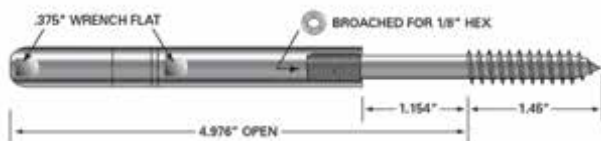


Push-Lock® Stud attaches manually with no special tools required. The cable attaches to the fitting via the Push-Lock® locking wedge system.



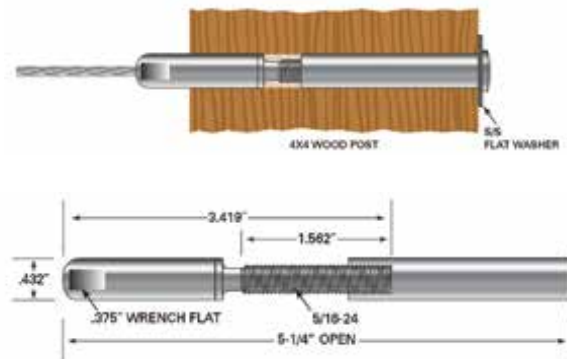
CABLE DIA.	ITEM NO.
1/8"	PLST-4
3/16"	PLST-6

Push-Lock® Tensioner w/Hanger Bolt fitting consists of two separate pieces: the hanger bolt and Push-Lock® tensioning body. The hanger bolt is driven into a pre-drilled hole in face of the wood end post. The cable attaches to the body via the Push-Lock® locking wedge system. The machine thread of the hanger bolt threads into the body, connecting the two pieces.

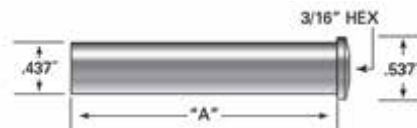


CABLE DIA.	ITEM NO.
1/8"	PL-SFC-WS-4
3/16"	PL-SFC-WS-6

Invisiware® Receiver with Push-Lock® Stud fitting requires that a minimum of 2-1/2" of clearance exists on the back side of the end post to install the Receiver into the post. It is recommended that a stainless steel flat washer between the fitting shoulder and the mating surface of your wood post. The cable attaches to the Push-Lock® Stud fitting via the Push-Lock® locking wedge system.



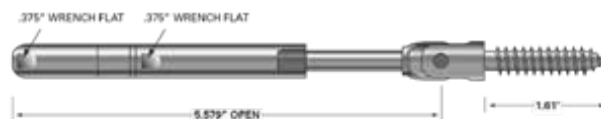
Choose an **Invisiware® Receiver** to be used with the Push-Lock® Stud.



POST SIZE OPTIONS FOR INVISIWARE® RECEIVER

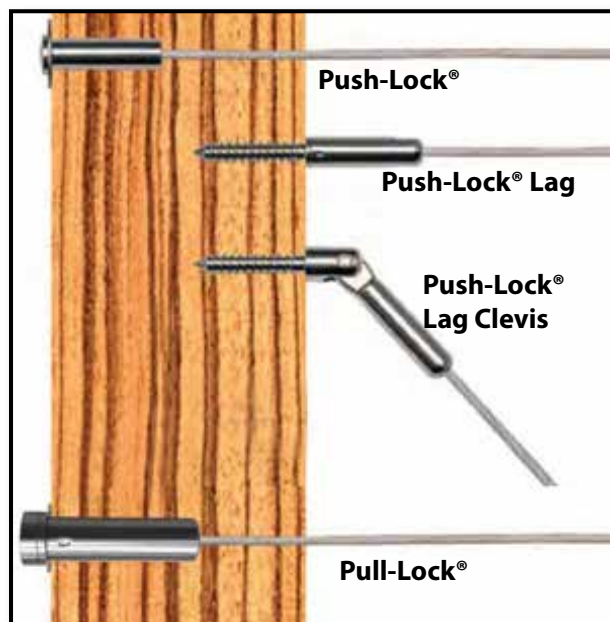
POST SIZE	ITEM NO.	LENGTH
4" x 4"	R-6-42	2.30"
4" x 6" or 6" x 6"	R-6-62	3.56"

Push-Lock® Tensioner w/Lag Clevis fitting consists of two separate pieces: the articulating lag and the Push-Lock® tensioning body. The lag is driven into a pre-drilled hole in the wood end post. The cable attaches to the body via the Push-Lock® locking wedge system. The machine thread of the articulating lag threads into the body, connecting the two pieces.

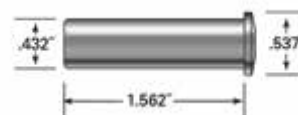


CABLE DIA.	ITEM NO.
1/8"	PL-SFC-WP-4-1
3/16"	PL-SFC-WP-6-1

SWAGELESS NON-TENSIONING FITTINGS FOR WOOD POSTS

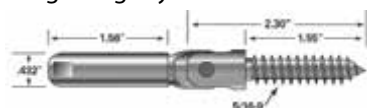


Push-Lock® fitting is installed into a pre-drilled hole in the end post. Using the Push-Lock® fitting on level runs requires that a minimum of 1-1/2" of clearance exists on the back side of the end post. It is also recommended that a stainless steel flat washer be installed between the shoulder of the fitting and the mating surface of the wood post. The cable attaches to the fitting via the Push-Lock® locking wedge system.



CABLE DIA.	ITEM NO.
1/8"	PL-4-12
3/16"	PL-6-12

Push-Lock® w/Lag Clevis fitting is installed into a pre-drilled hole in the wood end post. Drive the lag thread into the hole until the fitting shoulders on the post face. The cable attaches to the body via the Push-Lock® locking wedge system.



CABLE DIA.	ITEM NO.
1/8"	PL-LAG-CL-TE4-1
3/16"	PL-LAG-CL-TE6-1

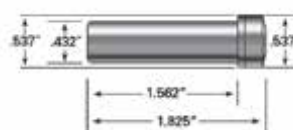
Push-Lock® Lag fitting is installed into a pre-drilled hole in the wood end post by rotating the fitting to drive the lag thread into the hole until the fitting shoulders on the post face. Because the wrench flat is at the back of the fitting, it can be used with sleeved posts as well. The cable attaches to the fitting via the Push-Lock® locking wedge system.



CABLE DIA.	ITEM NO.
1/8"	PL-LAG-4
3/16"	PL-LAG-6



Pull-Lock® fitting is installed into a pre-drilled hole in the end post. Using the Pull-Lock® fitting on level or pitched runs requires that a minimum of 1-1/2" of clearance exists on the back side of the end post. It is also recommended that a stainless steel flat washer be installed between the shoulder of the fitting and the mating surface of the wood post. The cable attaches to the fitting via the Push-Lock® locking wedge system.



CABLE DIA.	ITEM NO.
1/8"	PUL-4-12
3/16"	PUL-6-12

ACCOMPANYING FITTINGS FOR METAL POSTS

Invisiware® Threaded Tab for attaching an Adjust-A-Jaw® and Threaded Tab, Adjust-A-Body® with Threaded Eye and Threaded Tab, Fixed Jaw and Threaded Tab, Clip-On Fixed Jaw and Threaded Tab and Push-Lock® Threaded Eye and Threaded Tab.



CABLE DIA.	ITEM NO.
1/8" & 3/16"	TT-6B

Mounting Screw

Stainless steel socket-head screws for mounting an Adjust-A-Jaw® and Threaded Tab, Adjust-A-Body® with Threaded Eye and Threaded Tab, Fixed Jaw and Threaded Tab, Clip-On Fixed Jaw and Threaded Tab and Push-Lock® Threaded Eye and Threaded Tab.



CABLE DIA.	ITEM NO.	THREAD
1/8" & 3/16"	SC-6	1/4-28

The Ferrule is used for attaching the Adjust-A-Jaw® and Threaded Tab, Adjust-A-Body® with Threaded Bolt, Adjust-A-Body® with Threaded Eye and Threaded Tab, Fixed Jaw and Threaded Tab, Clip-On Fixed Jaw and Threaded Tab onto cable.

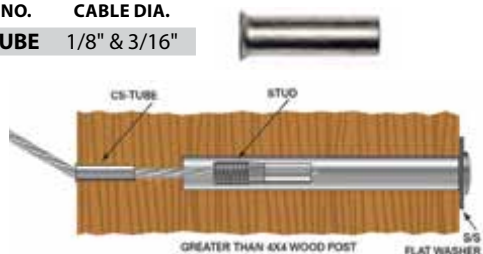


CABLE DIA.	ITEM NO.	AFTER SWAGED "D" DIA.	"L" LENGTH
1/8"	F-4	.25"	.61"
3/16"	F-6	.25"	.56"

ACCOMPANYING FITTINGS FOR WOOD POSTS

Stainless Steel Post Protector Tube will keep the cable from biting in the wood, the post protector tube is inserted into a wood post where the cable enters/exits the post at a angle.

ITEM NO.	CABLE DIA.
CS-TUBE	1/8" & 3/16"

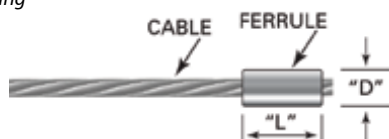


The Ferrule is used to retain an Adjust-A-Jaw®, Adjust-A-Body® or a Fixed Jaw onto cable.



Ferrule before swaging

CABLE DIA.	ITEM NO.	AFTER SWAGED "D" DIA.	"L" LENGTH
1/8"	F-4	.25"	.61"
3/16"	F-6	.25"	.56"

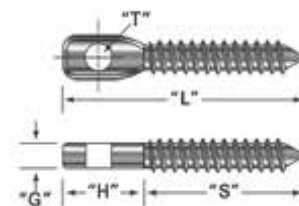


Stainless Steel Washer



ITEM NO.	WASHER O.D.	WASHER I.D.	CABLE DIA.
7/16SAE	59/64"	31/64"	1/8" & 3/16"

Lag Eye is a convenient, easy-to-install means for attaching an Adjust-A-Body® with Threaded Eye, Adjust-A-Jaw®, Fixed Jaw, or Push-Lock® with Threaded Eye to a wood post.



CABLE DIA.	ITEM NO.	"G"	"H"	"T"	"S"	"L"	MINIMUM TIMBER SIZE
1/8" & 3/16"	LE-6	.232"	.735"	.256"	1.50"	2.23"	4x4

Mounting Screw

Stainless steel socket-head screws for mounting an Adjust-A-Body® with Threaded Eye, Adjust-A-Jaw®, Fixed Jaw, or Push-Lock® with Threaded Eye.



CABLE DIA.	ITEM NO.	THREAD
1/8" & 3/16"	SC-6	1/4-28

OPTIONAL ACCESSORIES

Beveled Washers (for flat-sided frames only)

Made of stainless steel for use with Invisiware® Receivers, and Pull-Lock® fittings on stairways or slopes where you need to drill your end post holes at an angle.

PART NO.	CABLE DIA.	STAIR/SLOPE PITCH
BW32-6	1/8" / 3/16"	30°-33°
BW35-6	1/8" / 3/16"	34°-36°
BW38-6	1/8" / 3/16"	37°-39°



Isolation Bushing

ITEM: **B-687-562-437**

These bushings are placed over a fitting, such as the Receiver or Pull-Lock, before inserting into the post. By doing so the risk of bimetallic corrosion is reduced.



Stainless Steel Cleaner and Protectant

ITEM: **E-Z-CLEAN**

Dissolves minor corrosion, then leaves a protective coating that lasts for months. Includes an 8 oz. spray-on rust and stain remover and a 4 oz. bottle of protectant.



Stainless Steel Cable Brace

ITEM: **CB-34.5-SS-10**

1/4" x 1" x 36" high rails. Holes pre-drilled at 3-1/8" on center, 10 holes. For use between structural posts to keep cables code compliant on level runs. Weld to metal frames; use cable brace floor plates for attaching to wood. Type 316 Stainless Steel.



Stainless Steel Cable Brace Floor Plates

ITEM: **FLP-CBS**

For mounting cable braces to top or bottom rail or deck. 2-1/4" x 1-1/4" x 1/4" Type 316 Stainless Steel. Install with 1/4" flathead screw, purchased separately.



Cable Grommets

Sold in packages of 100



INTERMEDIATE POST MATERIAL (Not slotted for stairway)

CABLE DIA.	SCH. 40 PIPE 1-1/4", 1-1/2" AND 2"	SQUARE OR RECTANGULAR TUBE WITH .120 WALL	1/4" CABLE BRACE or SQUARE OR RECTANGULAR TUBE WITH .250 WALL	1/2" FLAT BAR
1/8" & 3/16"	G-C6-1	G-C6-2	G-C6-4	G-C6-.500

INTERMEDIATE POST MATERIAL SLOTTED FOR STAIRWAY PITCH UP TO 37°

CABLE DIA.	SCH. 40 PIPE 1-1/4", 1-1/2" AND 2"	SQUARE OR RECTANGULAR TUBE WITH .120 WALL	SQUARE OR RECTANGULAR TUBE WITH .250 WALL
1/8" & 3/16"	GI-C6-1	GI-C6-2	GI-C6-4

END POST MATERIAL USING RADIUS FERRULE, OR PULL-LOCK® FITTINGS*

CABLE DIA.	SCH. 40 PIPE 1-1/4", 1-1/2" AND 2"	SQUARE OR RECTANGULAR TUBE WITH .250 WALL
1/8" & 3/16"	G-C6-3	G-C6-4

* Cable grommets are not required for applications where the end fittings extend through both walls of post frames.



OPTIONAL ACCESSORIES

Swager Rentals

This Swager Rental Kit will be needed if you are wanting to cut and swage cables yourself in the field, we rent swager kits that come complete with the swager head, hydraulic pump, cable cutters, cable gripping pliers, and other tools to help ensure you have what you need to successfully complete your cable installation. The 650 kit comes with an electric pump; the 610 comes with a pump that requires a compressor. For the 610, you need to supply an air compressor to power the pump and the swager. Requirements are minimum 5.8 CFM at 90 psi and a minimum 20 gallon tank. Air pressure should be regulated to a minimum of 120 psi, not to exceed 140 psi.

ITEM: **610 Swager**
for 1/8" and 3/16"
cable only



ITEM: **650 Swager**
for all cable sizes



Cable Release

ITEM: **PL-KEY**

Releases cable from Push-Lock® and Pull-Lock® type fittings before cables are ensioned. For 1/8" cable only.



Cable Tension Gauge

ITEM: **PT-CR**

Check the tension on your cables with this easy to use gauge.



Cable Gripping Pliers

ITEM: **PLIERS**

Locking pliers with machined jaws to grip the cable as you are tensioning the cable. Keeps the cable from turning and prevents damage to the cable when cable is being tensioned.



Cable Cutters

For burr-free cutting of cable.

ITEM: **C-7**

To cut 1/8" cable

ITEM: **C-9**

To cut 3/16" or 1/4" cable



Cut-off Tool

ITEM: **CUT-OFF-KIT**

This tool is used to cut cable flush with the end of the Pull-Lock® fittings and to cut excess threads off stud-type tensioners. Includes mandrel and two cut-off wheels.



Pretensioner Tool

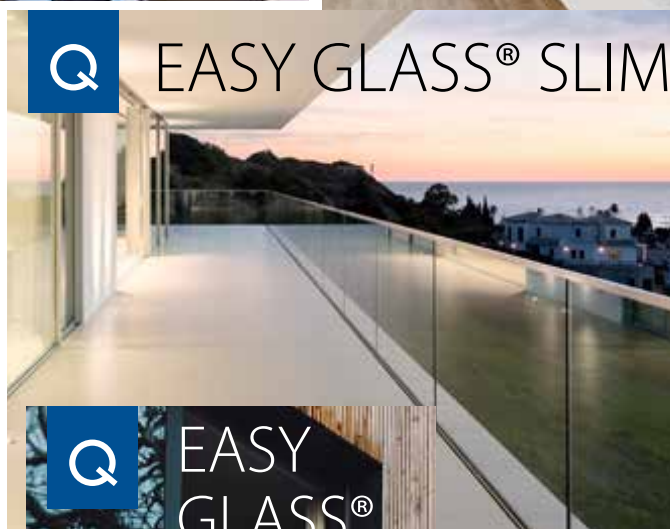
ITEM: **PRETENSIONER01**

Commercial Pre-Tensioner is recommended to be used when installing cable with lengths longer than 70' and threading through multiple posts. This tool allows you to pretension the cable at an intermediate post location. Use the gauge to guide the cable tension.



GLASS RAILING SYSTEMS

These modular railing systems offer ease of installation, customizable components and top and fascia mount options. In addition, they will provide an open and airy appeal to any office, residence, hotel or architectural space where a glass railing is required.





EASY GLASS® SMART

Incorporates the adjustable Q-disc System, a groundbreaking approach for aligning and securing glass.

Ease of installation for glass thicknesses of 1/2" – 1 1/16"

With the adjustable Q-disc® System for glass mounting and alignment, Smart lets you complete glass fixing, alignment or removal quickly and intuitively. In fact, these jobs can be finished faster than ever before. What an easy way to save time and money!

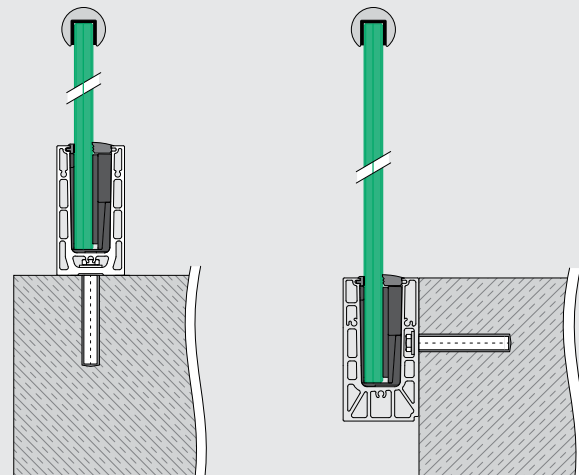
- Light and medium use for indoor or outdoor railings
- Symmetrical top-mount base shoe
- Minimal use of anchors
- Choice of fixing methods
- Optional aluminum shoe shims available for leveling uneven surfaces
- Can be combined with all Q-railing glass-mounted handrails, cap rails, U-profiles and edge protection

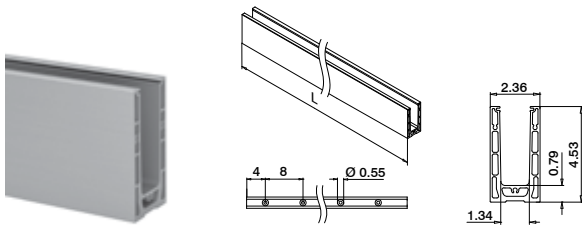
EASY GLASS® SMART VARIANTS

Smart Top mount

- Also for in-floor mounting (protective layer needs to be applied)
- Optional base shoe cladding

Also available for fascia mount.

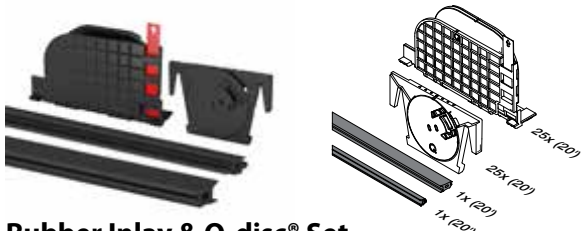




Aluminum Base Shoe, Top Mount

(connection pins included)

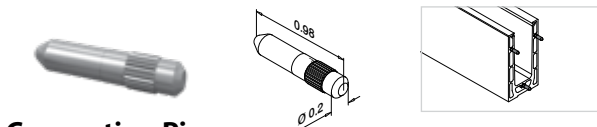
ITEM #	FINISH	LENGTH
16.6930.600.00	Mill	20'
16.6930.300.18	Brushed, anodized	10'
16.6930.600.18	Brushed, anodized	20'



Rubber Inlay & Q-disc® Set

ITEM #	GLASS TYPE	GLASS THICKNESS
19.6931.612.00	Monolithic	1/2"
19.6931.613.00	Laminated	1/2"
19.6931.614.00	Laminated	9/16"

Sold as a set for 20' of base shoe



Connection Pin

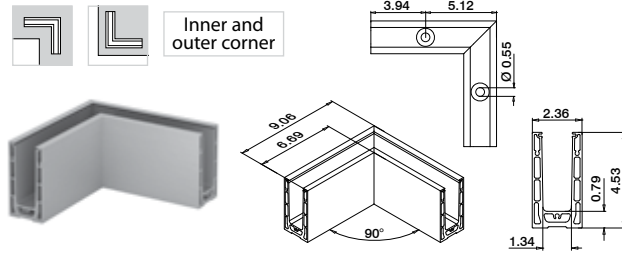
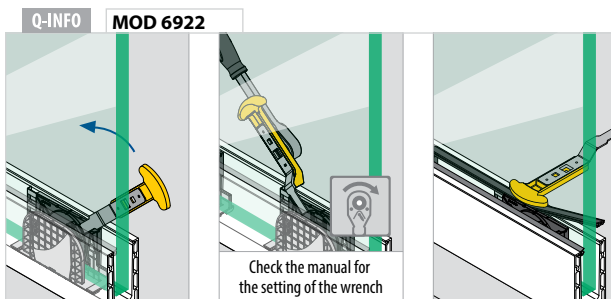
ITEM #
14.3005.000.00

3 pins per connection



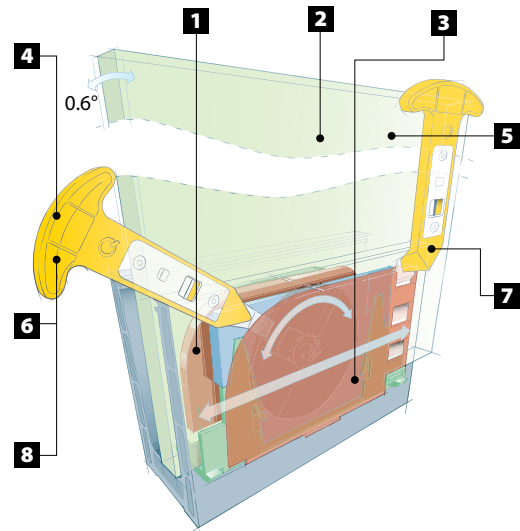
Q-disc® & Inlay Tool

ITEM #
19.6922.000.00

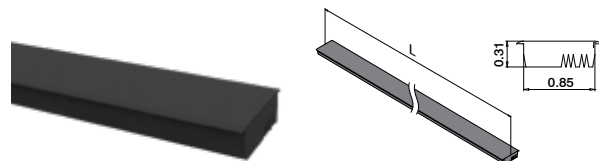


Aluminum Corner Connectors

ITEM #	FINISH
16.6313.030.00	Mill
16.6313.030.18	Brushed, anodized

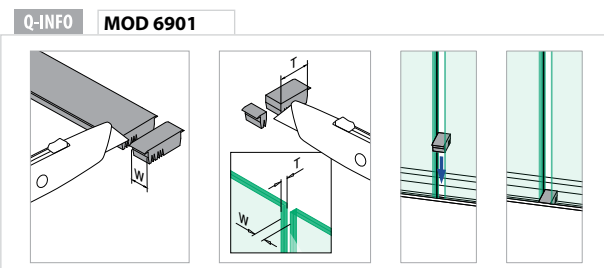


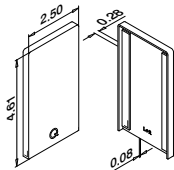
- 1-Put the inlay in the Easy Glass Smart base shoe
- 2- Position the glass panel
- 3- Insert the Q-disc between the glass and the inlay and click it tight
- 4-Connect the tool to the Q-disc and turn it clockwise to secure the infill
- 5- Check whether individual glass panels are in need of alignment
- 6- For any panel needing alignment, turn the Q-disc counterclockwise
- 7-To adjust the angle of the panel, use the tool to slide the inlay
- 8- Re-secure the Q-disc by turning it clockwise



Cover / Intermediate Rubber

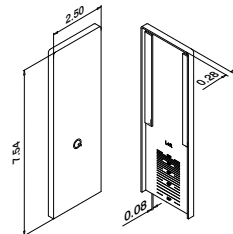
ITEM #	LENGTH
19.6901.001.00	8'2"





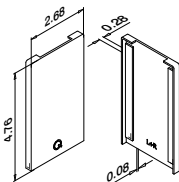
Aluminum End Fittings (applicable left and right)

ITEM #	FINISH
16.6734.030.00	Mill
16.6734.030.18	Brushed, anodized



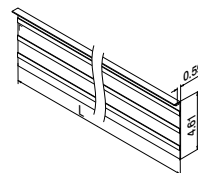
Aluminum End Fittings for Stairs (applicable left and right)

ITEM #	FINISH
16.6736.030.00	Mill
16.6736.030.18	Brushed, anodized



End Fitting for Cladding (applicable left and right)

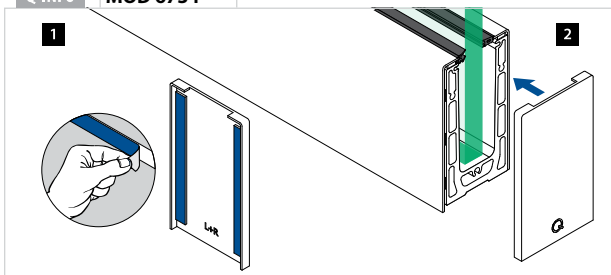
ITEM #	FINISH
10.6734.030.20	Zinc (stainless steel effect)



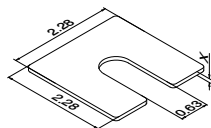
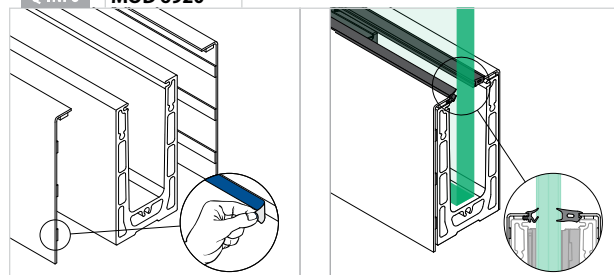
Stainless Steel Cladding

ITEM #	AISI	LENGTH
14.6920.330.12	316	10'

Q-INFO MOD 6734



Q-INFO MOD 6920

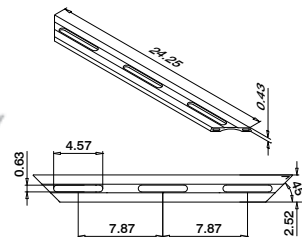
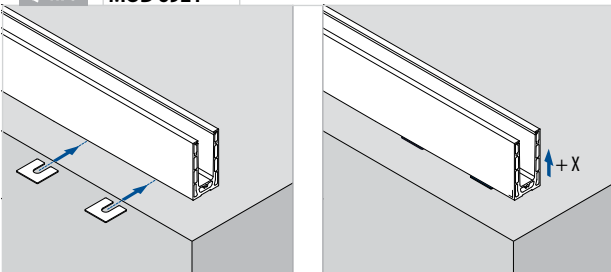


Shoe Shims

ITEM #	THICKNESS
19.6921.160.00	0.04" (1mm)
19.6921.260.00	0.08" (2mm)
19.6921.360.00	0.12" (3mm)

Sold 100/box

Q-INFO MOD 6921

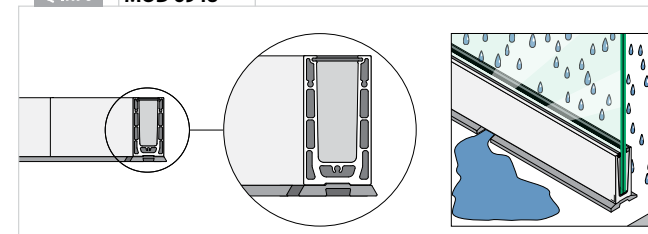


Drainage Profile

ITEM #	FINISH
16.6948.030.18	Brushed, anodized

Prevents water from collecting in the base shoe. These profiles can be spaced 3"-4" apart, but it is recommended they be spaced 1" apart for best water removal.

Q-INFO MOD 6948





EASY GLASS® SLIM

This minimalist base shoe is just 1.77" wide, which makes it light and easy to maneuver.

A true classic yet never out of style, Easy Glass® Slim is suitable for homes, offices or commercial areas. Thanks to its slender base shoe, this system provides an extremely elegant appearance.

This lightweight railing is also very cost-effective and ideal to work with on site!

- Light and medium use, including stairs
- Enjoy quick and easy glass fixing with the Safety Wedge System (wedges and rubber set)
- Can be combined with all Q-railing glass-mounted handrails, cap rails, U-profiles and edge protection

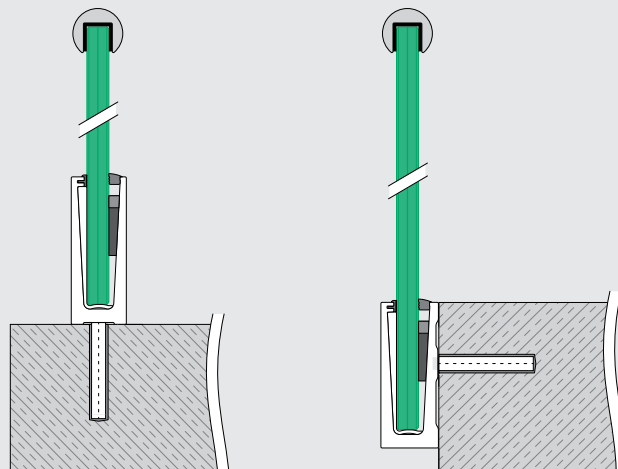
EASY GLASS® SLIM VARIANTS

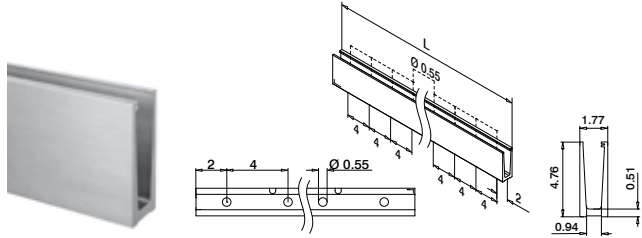
Slim

Top mount

- Also for in-floor mounting
- Optional base shoe cladding

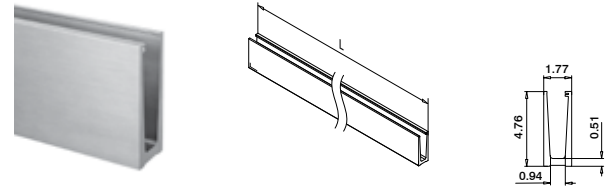
Also available for fascia mount.





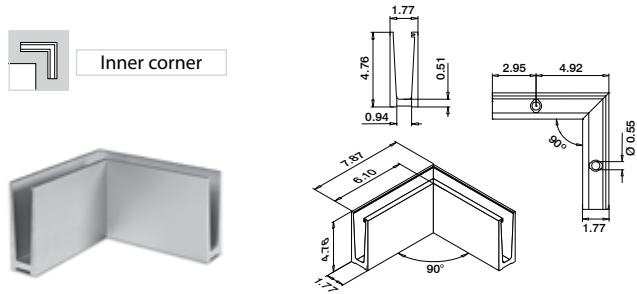
Aluminum Base Shoe, Top Mount (with holes)

ITEM #	FINISH	LENGTH
16.6904.300.18	Brushed, anodized	10'
16.6904.600.18	Brushed, anodized	20'



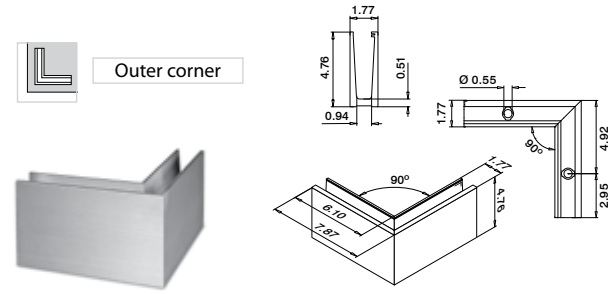
Aluminum Base Shoe, Top Mount (no holes)

ITEM #	FINISH	LENGTH
16.6914.300.00	Mill	10'



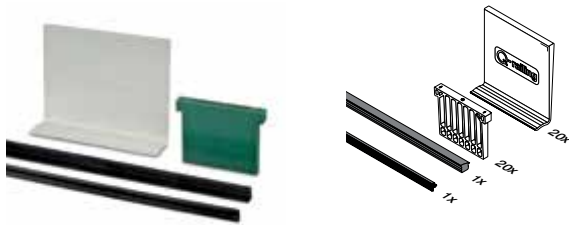
Aluminum Inner Base Shoe Corner

ITEM #	FINISH
16.6313.004.18	Brushed, anodized



Aluminum Outer Base Shoe Corner

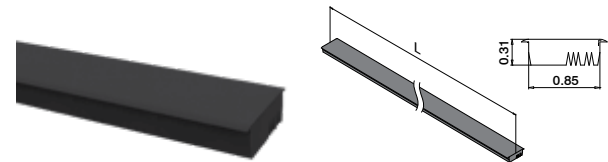
ITEM #	FINISH
16.6314.004.18	Brushed, anodized



Safety Wedge System Set

ITEM #	GLASS TYPE	GLASS THICKNESS
19.6904.912.00	Monolithic	1/2"
19.6904.913.00	Laminated	1/2"
19.6904.914.00	Laminated	9/16"

Sold as a set for 20' of base shoe



Cover / Intermediate Rubber

ITEM #	LENGTH
19.6901.001.00	8'2"

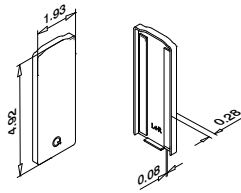
Multitool

ITEM #
19.6920.000.00

Q-INFO MOD 6920

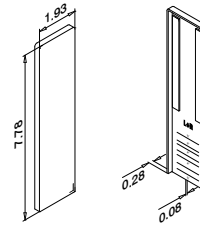


Assembly
information:
[q-railing.com/
q-r-slim](http://q-railing.com/q-r-slim)



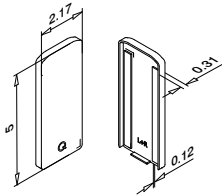
Aluminum End Fitting (applicable left and right)

ITEM #	FINISH
16.6734.004.18	Brushed, anodized



Aluminum End Fittings for Stairs (applicable left and right)

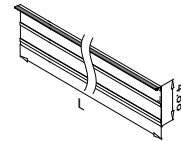
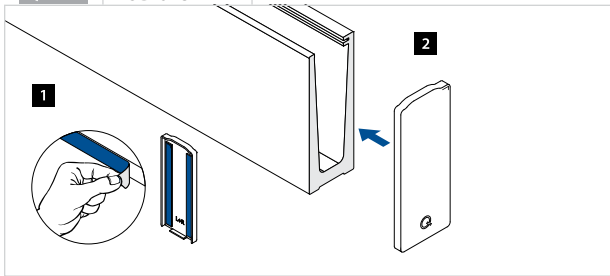
ITEM #	FINISH
16.6736.004.18	Brushed, anodized



End Fitting for Cladding (applicable left and right)

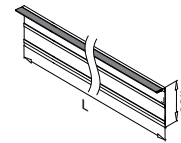
ITEM #	FINISH
10.6734.004.20	Zinc (stainless steel effect)

Q-INFO MOD 6734



Stainless Steel Pre-formed Cladding - Frontside

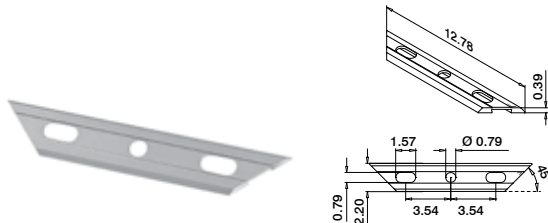
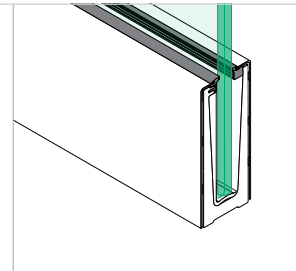
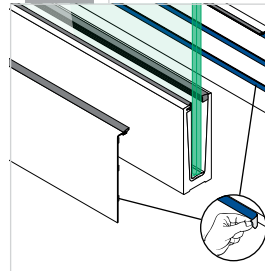
ITEM #	AISI	LENGTH
14.6920.504.12	316	16'4"



Stainless Steel Pre-formed Cladding - Backside

ITEM #	AISI	GLASS THICKNESS	LENGTH
14.6922.124.12	316	1/2"	16'4"
14.6922.134.12	316	1/2" - 9/16"	16'4"

Q-INFO MOD 6920 / 6922

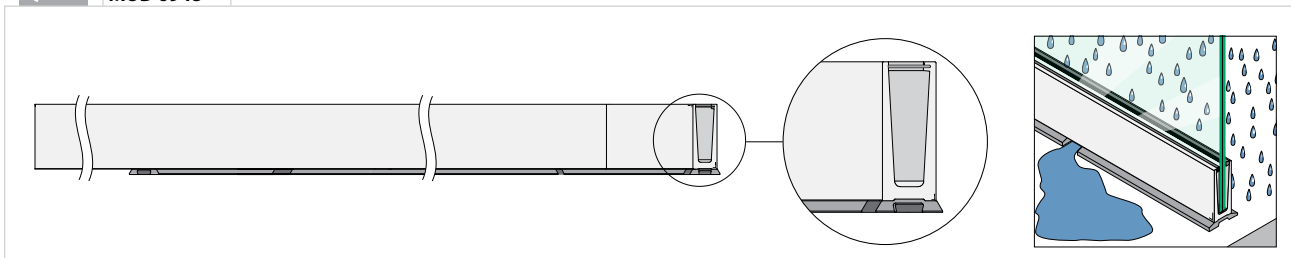


Aluminum Drainage Profile

ITEM #	FINISH
16.6948.004.18	Brushed, anodized

Prevents water from collecting in the base shoe. These profiles can be spaced 3"-4" apart, but it is recommended they be spaced 1" apart for best water removal.

Q-INFO MOD 6948



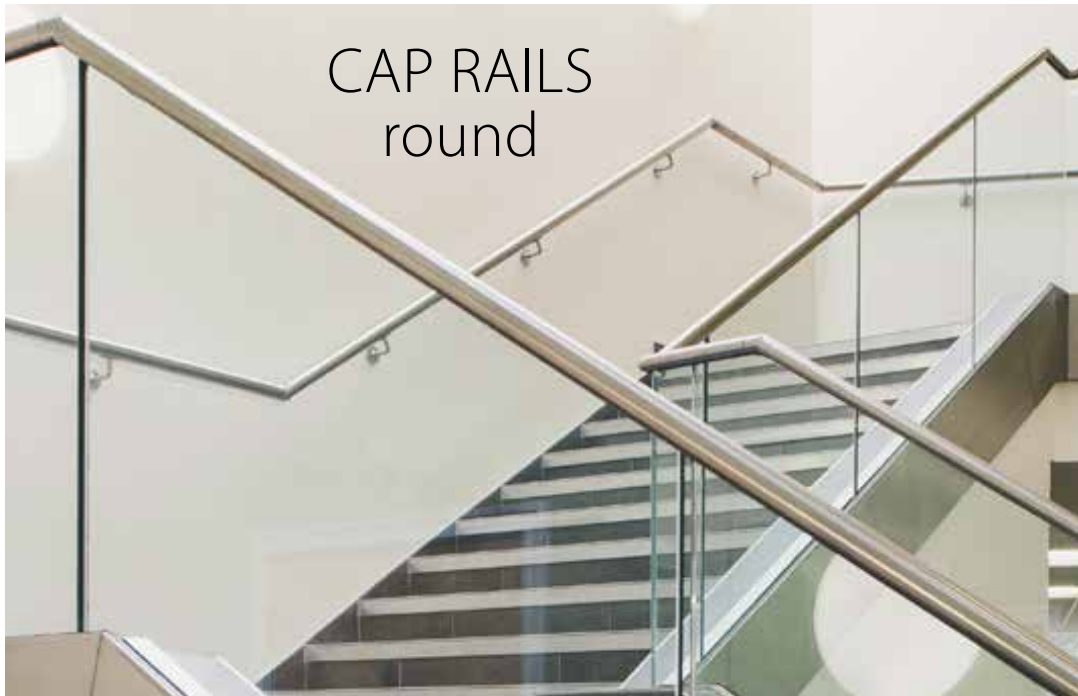


Choose from various edges or top rail based on your application.

EDGE
PROTECTION



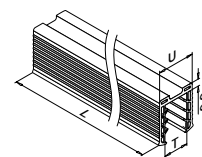
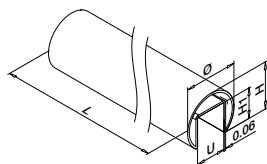
CAP RAILS
round



Q-railing EASY GLASS® CAP RAIL & CONNECTORS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

CAP RAIL



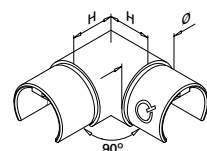
Easy Glass® Round Cap Rail

ITEM	AISI	Ø	U	H	H1	L
13.6925.042.12	304	1.66"	15/16"	1-15/32"	15/16"	8'2"
13.6920.042.12	304	1.66"	15/16"	1-15/32"	15/16"	16'4"
14.6920.042.12	316	1.66"	15/16"	1-15/32"	15/16"	16'4"
13.6925.048.12	304	1.9"	1-1/16"	1-2/3"	1-3/16"	8'2"
13.6920.048.12	304	1.9"	1-1/16"	1-2/3"	1-3/16"	16'4"
14.6920.048.12	316	1.9"	1-1/16"	1-2/3"	1-3/16"	16'4"

Rubber inlays for MOD 6920 / 6925

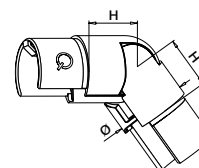
ITEM #	GLASS TYPE	Ø	U	GLASS THICKNESS	L
19.5042.211.00	Monolithic	1.66"	15/16"	1/2"	8'2"
19.5042.011.00	Monolithic	1.66"	15/16"	1/2"	16'4"
19.5042.211.00	Laminated	1.66"	15/16"	1/2"-9/16"	8'2"
19.5042.011.00	Laminated	1.66"	15/16"	1/2"-9/16"	16'4"
19.5048.011.00	Laminated	1.9"	1-1/16"	1/2"-9/16"	16'4"

CONNECTORS



Easy Glass® 90° Corner Connector

ITEM	AISI	Ø	H
13.6313.042.12	304	1.66" x 0.06"	1-3/16"
13.6313.048.12	304	1.9" x 0.06"	1-3/8"
14.6313.042.12	316	1.66" x 0.06"	1-3/16"
14.6313.048.12	316	1.9" x 0.06"	1-3/8"



Easy Glass® 25-55° Downward Pivotable Connector

ITEM	AISI	Ø	H
13.6302.042.12	304	1.66" x 0.06"	1-3/16"
13.6302.048.12	304	1.9" x 0.06"	1-3/8"
14.6302.042.12	316	1.66" x 0.06"	1-3/16"
14.6302.048.12	316	1.9" x 0.06"	1-3/8"

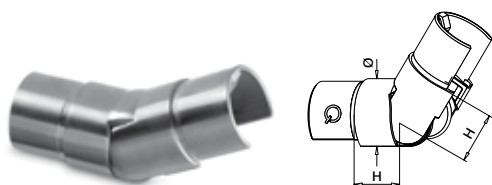


STAINLESS &
CABLE RAILING

Q-railing EASY GLASS® CONNECTORS & FITTINGS

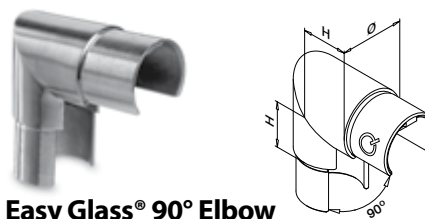
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

CONNECTORS



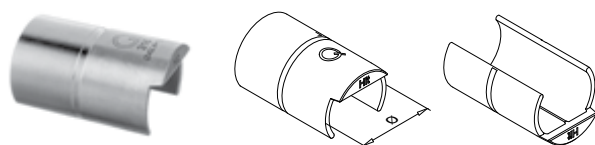
Easy Glass® 25-55° Upward Pivotal Connector

ITEM	AISI	Ø	H
13.6312.042.12	304	1.66" x 0.06"	1-3/16"
13.6312.048.12	304	1.9" x 0.06"	1-3/8"
14.6312.042.12	316	1.66" x 0.06"	1-3/16"
14.6312.048.12	316	1.9" x 0.06"	1-3/8"



Easy Glass® 90° Elbow

ITEM	AISI	Ø	H
13.6303.042.12	304	1.66" x 0.06"	1-3/16"
13.6303.048.12	304	1.9" x 0.06"	1-3/8"
14.6303.048.12	316	1.9" x 0.06"	1-3/8"



Easy Glass® Easy Hit® Cap Rail Connector

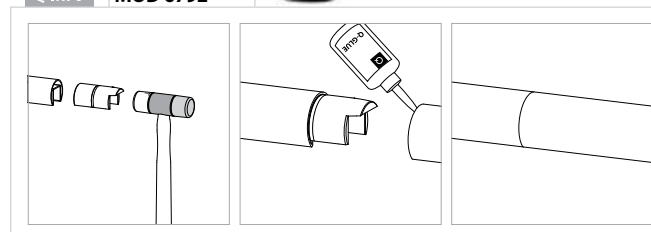
ITEM	AISI	Ø
13.6792.042.00	304	1.66" x 0.06"
13.6792.048.00	304	1.9" x 0.06"
14.6792.042.00	316	1.66" x 0.06"
14.6792.048.00	316	1.9" x 0.06"



19.1331.000.00
Q-glue®

Stainless steel high strength fixative. Consumption per bonding ca. 0.034 fl. oz.

Q-INFO MOD 6792



FITTINGS



Easy Glass® Flat End Cap

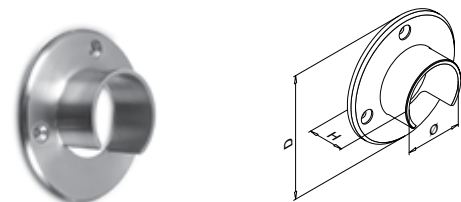
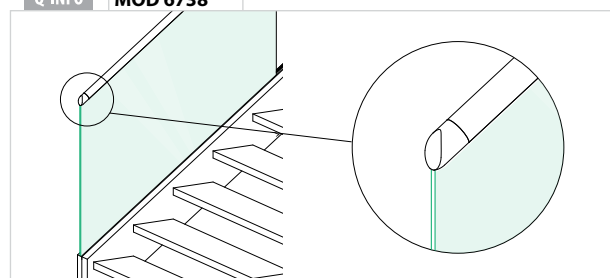
ITEM	AISI	Ø
13.6729.042.12	304	1.66" x 0.06"
13.6729.048.12	304	1.9" x 0.06"
14.6729.042.12	316	1.66" x 0.06"
14.6729.048.12	316	1.9" x 0.06"



Easy Glass® Angled End Cap for Stair Railings

ITEM	AISI	Ø	L
14.6738.042.12	316	1.66" x 0.06"	2-3/8"

Q-INFO MOD 6738

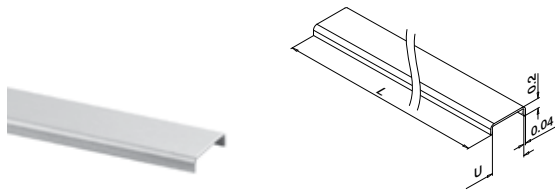


Easy Glass® Wall Flange

ITEM	AISI	Ø	D	H
13.6505.042.12	304	1.66"	3-35/64"	1-3/16"
13.6505.048.12	304	1.9"	3-27/32"	1-3/8"
14.6505.042.12	316	1.66"	3-35/64"	1-3/16"
14.6505.048.12	316	1.9"	3-27/32"	1-3/8"

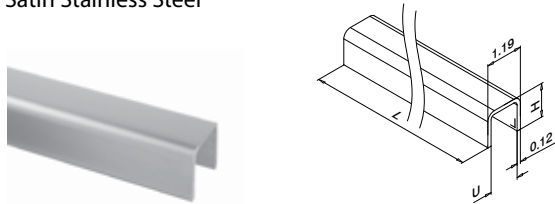
Q-railing EASY GLASS® EDGE PROTECTION

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish



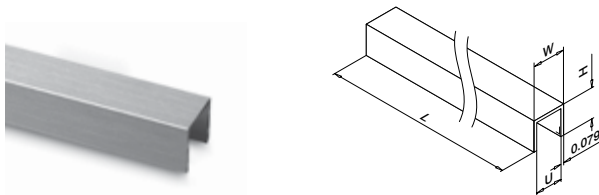
Easy Glass® Rectangular Glass Edge Protection

ITEM	AISI	U	GLASS	L
14.6940.114.12	316	9/16"	1/2"-9/16"	16'4"
Satin Stainless Steel				



Easy Glass® U-Profile Glass Edge Protection

ITEM	AISI	U	GLASS	W	H	L
14.6940.030.12	316	15/16"	5/16"-27/32"	1-3/16"	1-1/16"	16'4"
Satin Stainless Steel						



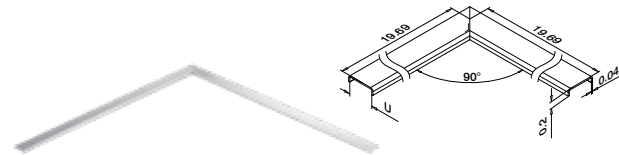
Easy Glass® U-Profile Glass Edge Protection

ITEM	U	GLASS	W	H	L
16.6940.013.18	17/32"	1/2"	11/16"	19/32"	16'4"
Brushed, anodized, aluminum					



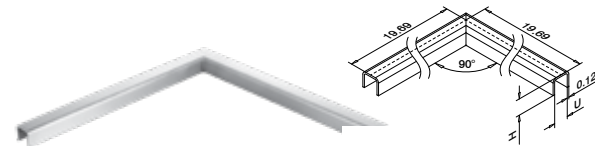
Rubber inlays for MOD 6940

ITEM #	GLASS TYPE	U	GLASS THICKNESS	L
19.5042.211.00	Monolithic	15/16"	1/2"	8'2"
19.5042.011.00	Monolithic	15/16"	1/2"	16'4"
19.5042.211.00	Laminated	15/16"	1/2"-9/16"	8'2"
19.5042.011.00	Laminated	15/16"	1/2"-9/16"	16'4"



Easy Glass® Rectangular Corner Glass Edge Protection

ITEM	AISI	U	GLASS
14.6340.114.12	316	9/16"	1/2"-9/16"
Satin Stainless Steel			



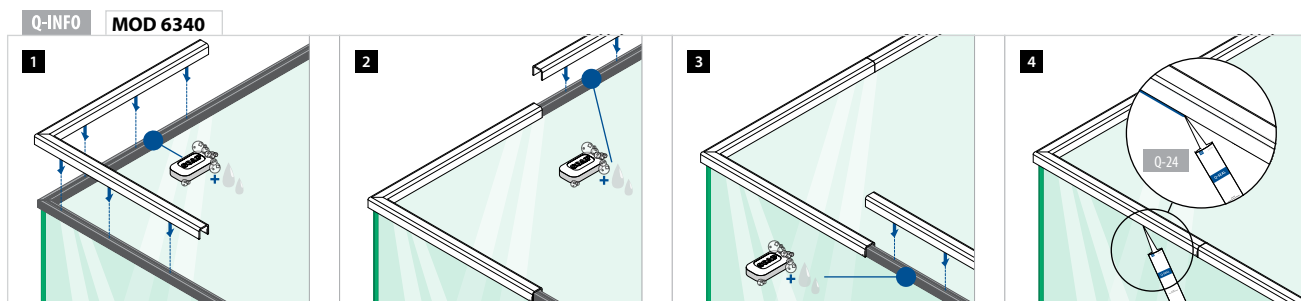
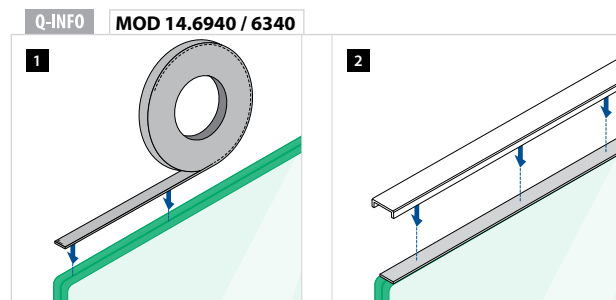
Easy Glass® U-Profile Corner Glass Edge Protection

ITEM	AISI	U	GLASS	H
14.6340.030.12	316	15/16"	5/16"-27/32"	1-1/16"
Satin Stainless Steel				



Double-sided Adhesive Tape

ITEM	W	L
19.1361.012.00	1/2"	108'



PanelGRIP[®] 2



PANELGRIP

The **Wagner PanelGrip System** utilizes a unique locking mechanism of high-strength Aluminum and PVC *isolators* combined with a specially designed Aluminum *Base Shoe Moulding*.

When assembled with tempered or laminated tempered glass of the appropriate size, **PanelGrip** enables the installer to fabricate a structural **Glass Railing System** with significant reductions in labor and freight costs over standard wet glaze options.

- **Reduce Labor Costs Up To 80% over Wet Glaze**

No sealing of *Base Shoe Moulding*, no *Setting Blocks*, no plumbing of glass, no multiple pours of cement, no waiting for cement to cure; no messy clean-up.

- **Reduce Freight Costs Up To 30%**

PanelGrip shoe is almost 30% lighter than standard *Base Shoe Moulding* yet meets structural load requirements for railings.

- **Broadest Grip Range In One Base Of Any Dry Glaze Option**

For Monolithic and Laminated Tempered Glass. Options available to work with any panel between 1/2" and 7/8" (12.7mm and 21.5mm).

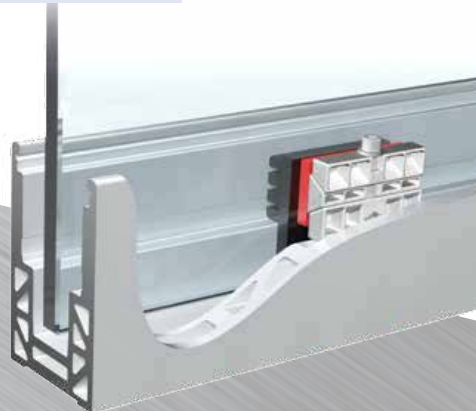
- **No Special Tools Required**

All you need is an Allen wrench for installation or removal.

- **No Mess**

No mixing and pouring of expansion cement.
No running of cement on incline.

The **PanelGrip System** was tested per ASTM E935, *Standard Test Methods for Performance of Permanent Railing Systems and Rails for Buildings*. This test report may be downloaded at panelgrip.com.



WAGNER

*The New Standard
in Glass Railing*

**Clearly the smart choice for
your next glass railing system**

PANELGRIP 2 GLASS RAILING SYSTEM

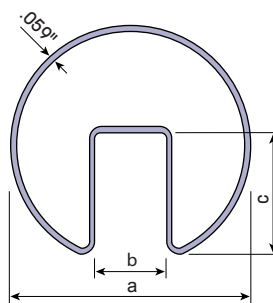
Roll Formed Top Rail

18' Lengths.

Type 316.

Mill, Satin or Bright Polished Finish.

These Stainless Steel sections have no visible seam and are suitable for bending.



Type 316 Stainless Steel

a	b	c	Finish	TOP RAIL	END CAP	INTERNAL SPLICE	HORIZONTAL MITER CORNER
1.50"	3/4"	1"	Satin	GR3152.4	GR3152E.4	GR315LS	GR3152MK.4
1.50"	3/4"	1"	Polished	GR3152.7	GR3152E.7	GR315LS	GR3152MK.7
1.66"	3/4"	1"	Satin	GR3168.4	GR3169E.4	GR3166S*	GR3168MK.4
1.66"	3/4"	1"	Polished	GR3168.7	GR3169E.7	GR3166S*	GR3168MK.7
1.66"	15/16"	15/16"	Satin	GR3169.4**	GR3169E.4	GR3169S	GR3169MK.4
1.90"	3/4"	1 1/4"	Satin	GR3192.4	GR3193E.4	GR3190S*	GR3192MK.4
1.90"	3/4"	1 1/4"	Polished	GR3192.7	GR3193E.7	GR3190S*	GR3192MK.7
1.90"	1 1/16"	1 3/16"	Satin	GR3193.4**	GR3193E.4	GR3193S	GR3193MK.4

* Aluminum for use with Stainless Steel.

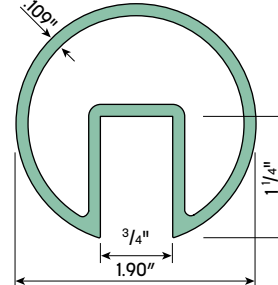
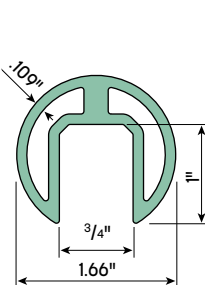
** For use with 1/2" or 3/4" monolithic or laminated glass. With 3/4" glass, secure in place with GR95CBC silicone.

Extruded Aluminum Top Rail

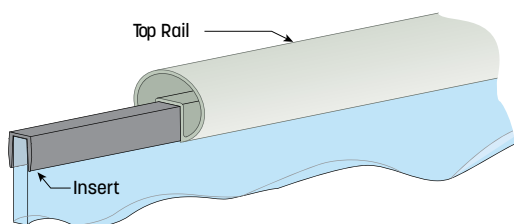
20' Lengths. Alloy 6063-T52

Suitable for Anodizing.

For use with glass up to 9/16" thick.



Finish	TOP RAIL	END CAP	INTERNAL SPLICE	HORIZONTAL MITER CORNER
Mill	GR2168	GR2168EM	GR2168S	GR2168MK
Satin Anodized	GR2168.4AN	GR2168EM.AN	GR2168S	GR2168MK.4AN
Mill	GR2190	GR2190EM	GR2190S	GR2190MK
Satin Anodized	GR2190.4AN	GR2190EM.AN	GR2190S	GR2190MK.4AN



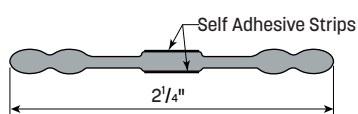
Placing metal **Top Rail** in direct contact with a glass edge is not recommended. Use **Silicone** or a **Protective Insert** as a buffer between the **Top Rail** selected and **Tempered Glass**.



Protective Insert

This new universal protective insert will work with a broad range of glass sizes and **Top Rail**. Attach to top of glass with adhesive strip provided then expose top adhesive strip prior to placing Slotted **Top Rail** over Insert which will fold sides into place. A silicone bead may be needed depending on glass/Top Rail dimensions.

Length	PVC
20'	GR9397-20
40'	GR9397-40
100'	GR9397-100
250'	GR9397



Sold flat in 20, 40, 100 or 250 foot coils. Folds into shape once Slotted Top Rail is put into place. Spray glass cleaner is suggested to simplify insertion.

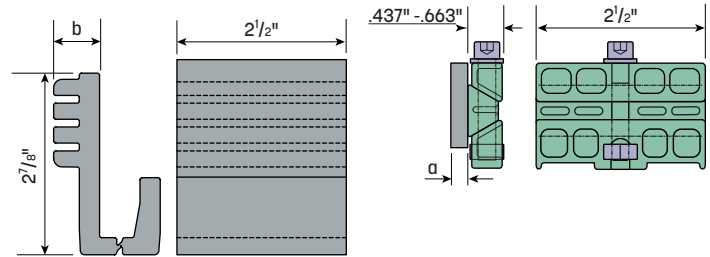
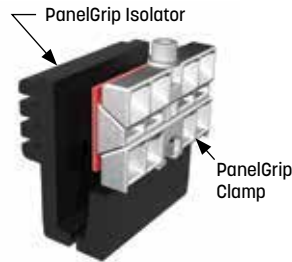
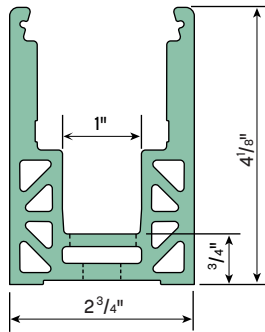


PANELGRIP 2 GLASS RAILING SYSTEM



Shoe Mechanism Kits

Kits include aluminum base shoe moulding and plastic isolators. The shoe moulding is supplied mill finish and has counterbored holes 12" on center.



KITS for .496" to .550" Glass

PG2472KIT10 - 10FT Shoe

PG2472KIT20 - 20FT Shoe



KITS for .642" to .726" Glass

PG2417KIT10 - 10FT Shoe

PG2417KIT20 - 20FT Shoe



KITS for .705" to .800" Glass

PG2475KIT10 - 10FT Shoe

PG2475KIT20 - 20FT Shoe



KITS for .785" to .874" Glass

PG2421KIT10 - 10FT Shoe

PG2421KIT20 - 20FT Shoe

Gasket - Black

For use with **Cladding** only.
1 1/8" Wide x 1/4" High.

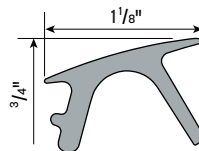
Peel back paper to reveal self-adhesive strip. Stick onto underside of **Cladding** before applying **Cladding** to **Base Shoe Moulding**. Accommodates all glass sizes.



	GLASS OVER .460"
Gasket 20'	GR9302-20
Gasket 40'	GR9302-40
Gasket 100'	GR9302-100
Gasket 500'	GR9302

Gasket - Black, for PanelGrip

For use without **Cladding**.



Gasket 20'	GR9355-20
Gasket 40'	GR9355-40
Gasket 100'	GR9355-100
Gasket 250'	GR9355

Cladding for Base Shoe Moulding - 10' Lengths

Recommended Attachment Options
Take care to properly align **Cladding** before pressing into place.

1. Apply two rows of **Tape** to the vertical face of the **Cladding** and apply a **Silicone** bead between the rows.
2. Apply two rows of **Tape** to the vertical face of the **Cladding**.
3. Apply **Silicone** to the vertical face of the **Cladding**. Use clamps to hold the **Cladding** in place until the **Silicone** cures.

Width	Height	SATIN ANODIZED ALUMINUM	SATIN STAINLESS TYPE 304	SATIN STAINLESS TYPE 316	POLISHED STAINLESS TYPE 304
2 1/8"	4 1/8"	GR2802.4AN	GR3802.4	GR3806.4	GR3802.7
2 1/8"	4 1/8"				
2 1/8"	4 1/8"				

Base Shoe Moulding End Caps - Formed from Sheet

	SATIN ALUMINUM	SATIN ANODIZED ALUMINUM	SATIN STAINLESS	POLISHED STAINLESS
Width	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Height	4 1/8"	4 1/8"	4 1/8"	4 1/8"
	GR2852E.4	GR2852E.4AN	GR3852E.4	GR3852E.7
	GR2876E.4		GR3876E.4	GR3876E.7

Base Shoe Moulding End Caps - Formed from Sheet

These **End Caps** are for use when **Base Shoe Moulding** uses **Cladding** and **Cladding Tape** results in widening the overall width of the base by 1/8" - 1/16" on each side.

	SATIN ALUMINUM	SATIN ANODIZED ALUMINUM	SATIN STAINLESS	POLISHED STAINLESS
Width	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Height	4 1/8"	4 1/8"	4 1/8"	4 1/8"
	GR2852EC.4	GR2852EC.4AN	GR3852EC.4	GR3852EC.7
	GR2876EC.4	GR2876EC.4AN	GR3876EC.4	GR3876EC.7

PANELGRIP 2 GLASS RAILING SYSTEM

PanelGrip Torque Wrench

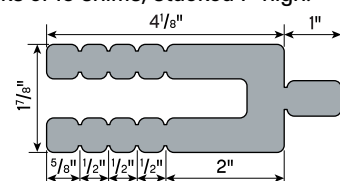
$\frac{3}{8}$ " Torque Wrench, $\frac{3}{8}$ " Drive,
20-200 in-lbf. For setting PanelGrip
mechanism into PanelGrip Base
Shoe Moulding.

PGTWRENCH



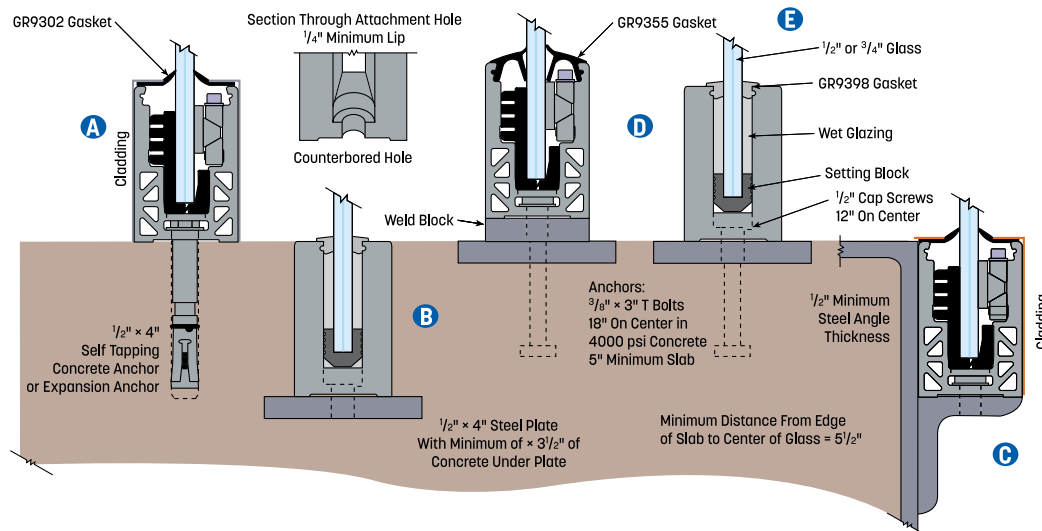
Stackable Shims - $\frac{5}{8}$ " Overall. $\frac{5}{8}$ " Slot Hole. 1,008/case

May be stacked as necessary.
Supplied by the case - 63 stacks of 16 shims, stacked 1" high.



Thickness	Stacks per Case	Shims per Stack	PLASTIC
$\frac{1}{16}$ "	63	16	GRGL16

SHOE MOULDING ATTACHMENT



Attachment of the **Aluminum Base Shoe Moulding** is critical to the success of any **Glass Railing** installation. These details depict six typical attachment methods. Other methods of attachment are possible but their integrity would need to be determined by the installer in cooperation with your own engineer. If you choose to mount to wood, consult with an engineer for proper reinforcement of the substrate.

PANELGRIP INSTALLATION

1. Plumbing PanelGrip Base Shoe Moulding

Before completing attachment of PanelGrip Base Shoe Moulding to substrate - take all necessary steps to assure that the mounted Shoe is adjusted such that the inside channel of the Shoe is plumb to $\pm \frac{1}{8}$ " at an extended height of 42". Spend the time required to plumb the Shoe to this tolerance since the glass will only be as plumb as the Shoe.

2. Clear the PanelGrip Base of All Debris.

3. Place Isolators

Place the PanelGrip Plastic Isolators into the Base Shoe Moulding. On inclines, a dab of silicone may be used to keep them in place while placing glass. Space Plastic Isolators a maximum of 14" on center with a maximum of 4" in from the left and right edges of each panel - 4 isolators per 4 foot panel.

4. Place Glass

Place the glass atop the Plastic Isolators in the Base Shoe Moulding.

Warning: With multi-panel Railings, do not line up the edge of a panel with the end of the Base Shoe Moulding - place the panels so that they span PanelGrip Base Shoe Moulding butt joints to assist in alignment.

5. Insert PanelGrip

Have someone hold the panel in place while you insert the Aluminum PanelGrip mechanism into place on the opposite side of the glass in alignment with the Plastic Isolators. Make sure that the plastic pad on the PanelGrip is facing the glass.

6. Tighten PanelGrip

Using a $\frac{3}{16}$ " hex head wrench or the PanelGrip Torque Wrench, tighten the Cap Screw on the PanelGrip mechanism. While tightening, the plastic pad will break away from the Aluminum as the unit expands.

7. Confirm Alignment and Tighten

Confirm alignment and make adjustments prior to final tightening which will compress and lock the panel into place.

Remember, PanelGrip is self-centering and self-plumbing. Make sure you have properly plumbed the Shoe as noted in Step 1.

Once you have confirmed position, use a $\frac{3}{16}$ " hex head wrench or our PGTWRENCH to make the PanelGrip Cap Screw snug-tight, then continue tightening to 10 ft-lbf (120 in-lbf) of torque. Repeat on all other PanelGrip mechanisms to secure the panel in position. DO NOT OVERTIGHTEN.

8. Insert Spacing Pads

Repeat with other lites of glass. Insert $\frac{1}{4}$ " Spacing Pads between glass panels to prevent glass-to-glass contact. Trim as required.

9. Seal top of shoe

Once glass is properly positioned, seal gap at the top of the PanelGrip Base Shoe Moulding using one of the two Gasket styles shown on page 108. Spray glass cleaner onto glass to facilitate insertion of gaskets.

- GR9302 is taped to the underside of the top lip of the Cladding.

- GR9355 is used without Cladding

Weep holes should be provided with exterior applications.

10. Removal of Glass

Should you need to remove a panel, this can be done simply by loosening the PanelGrip Cap Screw.



EASY ALU

Easy Alu offers you all the benefits of a high-grade aluminum railing with Q-railing quality built in, plus great looks. Its stylish modern design is stripped down, yet more than strong enough to create safe railings for balconies, terraces and atriums.

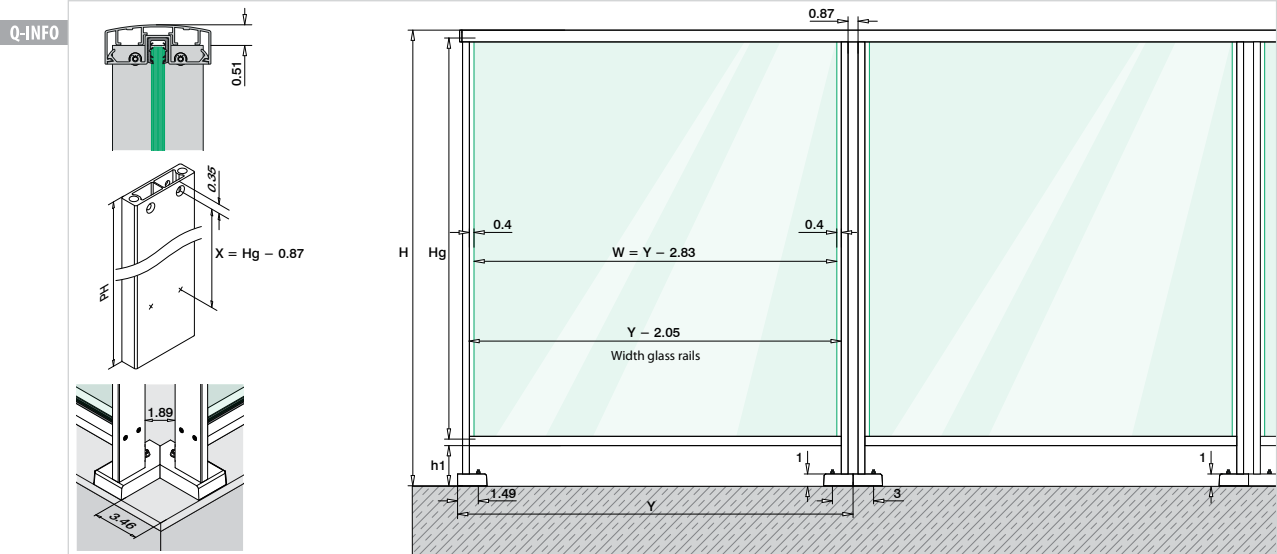
What sets this system apart?

Its attractive pricing, its great customization and prefabrication options and the fact that you can preassemble the components to complete railing sections in your own workshop.

- Light and medium use railings for indoor and outdoor settings
- Suitable for top and fascia mounting
- Speed up your railing job and order prefabricated components
- Available with brushed anodized, mill finish or powder-coating
- Leveling blocks for uneven floors - no need for additional shimming
- Glass Wing rubber for an easy and fast glass installation



GLASS CALCULATION



Calculation baluster post

Railing height (H) - 1.38" = baluster post height (Hp)

Railing height (H)	Baluster post height (Hp)
39-3/8"	38"
43-5/16"	42" (41-15/16")

Glass calculation

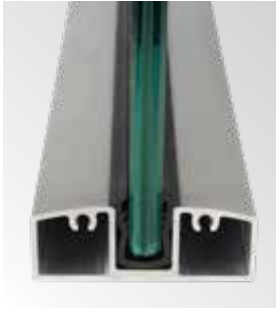
Glass width (W) = Y - 2.83"
Glass height (Hg) = railing height (H) - h1 - 0.47"

Distance drill holes in baluster post (X)

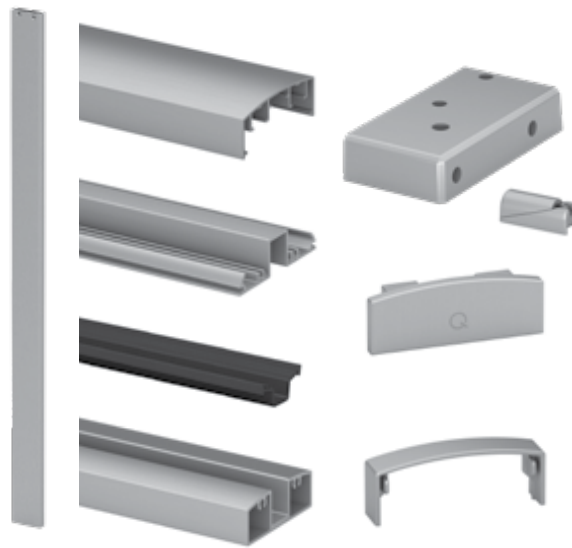
X = glass height (Hg) - 0.87"

Glass Wing rubbers

There is no glass rubber like Glass Wing. It is easy to place in the glass profile, where it stays 'open'. Allowing you to insert the glass quickly and with hardly any pressure. As soon as you insert the glass, the rubber hugs it tightly.



STANDARD SINGLE COMPONENTS



WE:

Send you the standard components.

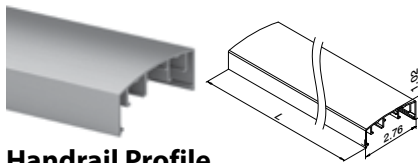
YOU:

Do the cutting, drilling and – if you wish – powder-coating.

Preassemble modules from the components.

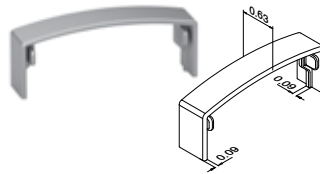
Position the modules on site and anchor them to the floor.

Click the handrail on top.



Handrail Profile

ITEM #	FINISH	LENGTH
16.5950.570.00	Mill	16'4"
16.5950.570.18	Brushed, anodized	16'4"



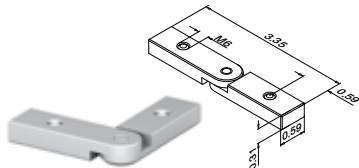
Cover Joint for Handrail

ITEM #	FINISH
24.5790.060.36	Aluminum RAL 9006, Plastic



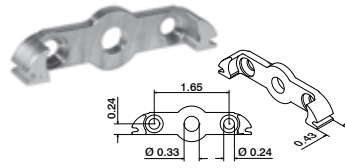
90° Corner Cover Joint for Handrail

ITEM #	FINISH
24.5313.060.36	Aluminum RAL 9006, Plastic



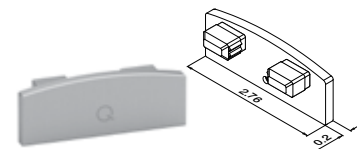
0-90° Handrail Connector

ITEM #	FINISH
16.5313.000.00	Mill



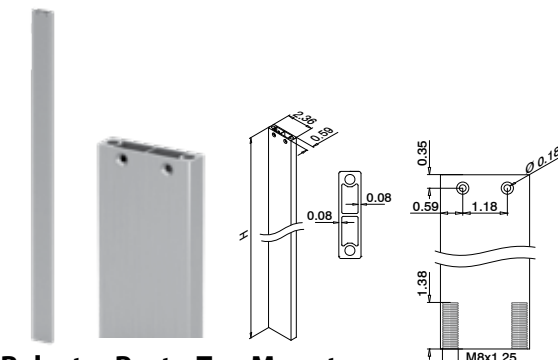
Wall Flange for Handrail

ITEM #	FINISH
16.5505.070.00	Mill



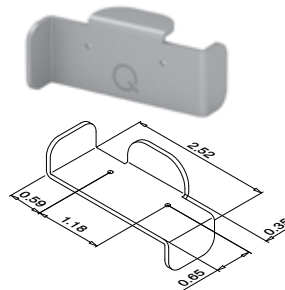
Easy Hit® Handrail End Cap

ITEM #	FINISH
16.5732.070.00	Mill
16.5732.070.18	Brushed, anodized



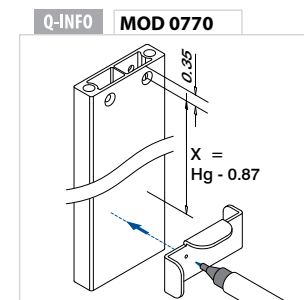
Baluster Posts, Top Mount

ITEM #	FINISH	HEIGHT
16.0560.097.00	Mill	38"
16.0560.107.00	Mill	42"
16.0560.097.18	Brushed, anodized	38"
16.0560.107.18	Brushed, anodized	42"

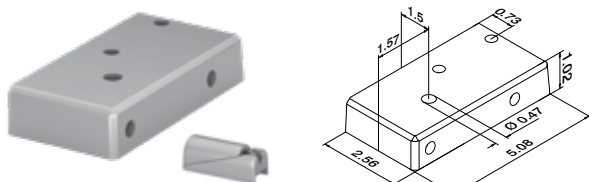


Drilling Template for Baluster Posts

ITEM #
19.0770.000.00



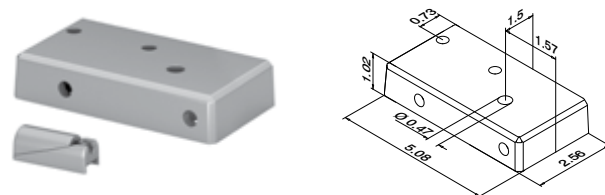
Q-railing EASY ALU - MODULAR ALUMINUM RAILING SYSTEM



Left Base Flange for Baluster Posts

ITEM #	FINISH
16.9026.061.00	Mill
16.9026.061.18	Brushed, anodized

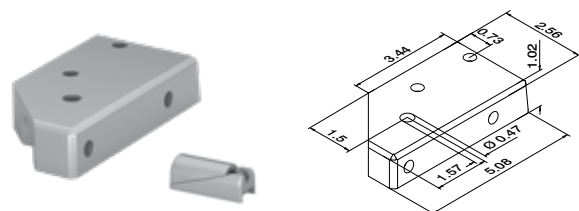
Leveling block included



Right Base Flange for Baluster Posts

ITEM #	FINISH
16.9027.061.00	Mill
16.9027.061.18	Brushed, anodized

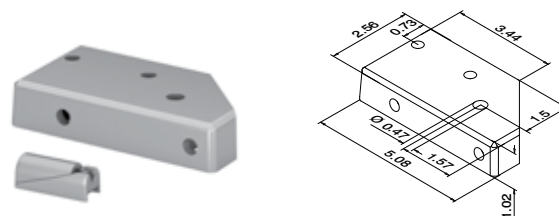
Leveling block included



Left Outer Corner Flange for Baluster Posts

ITEM #	FINISH
16.9026.961.00	Mill
16.9026.961.18	Brushed, anodized

Leveling block included



Right Outer Corner Flange for Baluster Posts

ITEM #	FINISH
16.9027.961.00	Mill
16.9027.961.18	Brushed, anodized

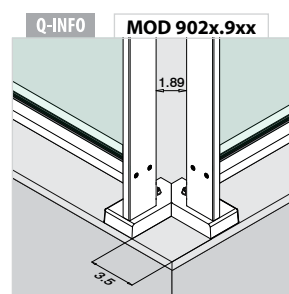
Leveling block included



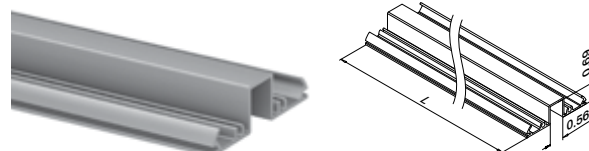
Leveling Block for Base Flanges, Top Mount

ITEM #	FINISH
16.9026.000.00	Mill

Can buy extras if needed.

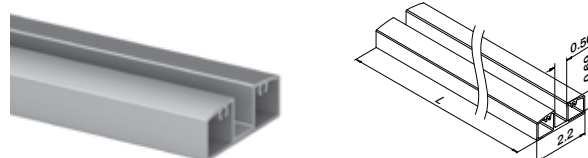


Assembly
information:
q-railing.com/q-r-alu



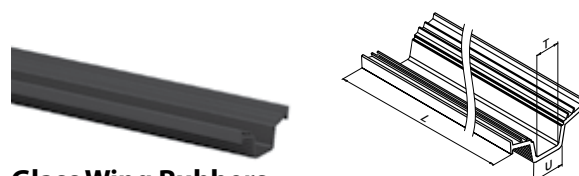
Glass Top Rail Profile

ITEM #	FINISH	LENGTH
16.5951.570.00	Mill	16'4"
16.5951.570.18	Brushed, anodized	16'4"



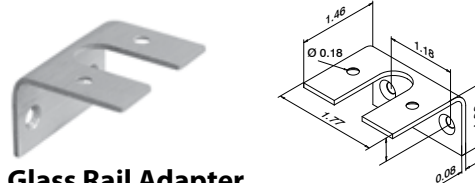
Glass Bottom & Mid Rail Profile

ITEM #	FINISH	LENGTH
16.5952.555.00	Mill	16'4"
16.5952.555.18	Brushed, anodized	16'4"



Glass Wing Rubbers

ITEM #	U	GLASS (T)	LENGTH
19.5059.008.00	.55"	5/16" - 5/16" Laminated	16'4"
19.5059.010.00	.55"	3/8" - 3/8" Laminated	16'4"



Glass Rail Adapter

ITEM #	FINISH
16.0770.000.00	Mill
16.0770.000.18	Brushed, anodized

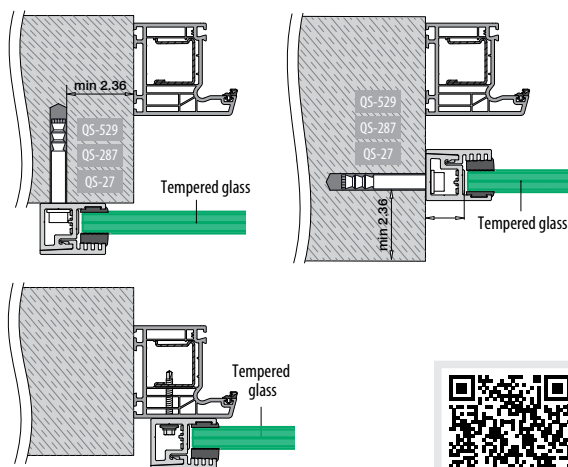
*These adapters are used to install mid-rails. Use 2 per vertical post.



EASY GLASS® VIEW

Easy Glass® View is an ultra-flexible Juliet balcony system that provides unrestricted views. Thanks to the vertical glass profiles, there's absolutely nothing that disrupts the view.

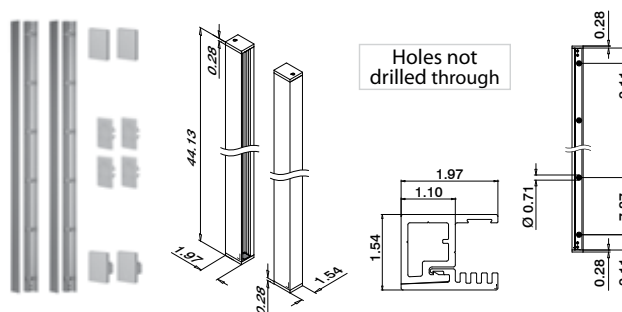
- Mounted with anchors or screws (depending on the substrate)
- Mounting in the reveal can be done from the inside
- Profiles and end caps can be powder coated
- Can be combined with all Q-railing glass-mounted cap rails, U-profiles and edge protection



Please refer to the respective certificates for specifications such as mounting details, glass dimensions and glass type (laminated glass / monolithic glass).



Assembly information:
q-railing.com/
qr-view



Easy Glass View Profile Set for Facade or Frame

ITEM

86.6923.100.18

Brushed, anodized aluminum

Set includes:

- 2 profiles for 43.3" tall glass
- 2 top end caps
- 2 bottom end caps
- 4 cover caps

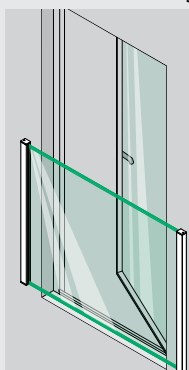
***Screws are available depending on substrate*

NOTE: 4 rubber inlays are needed per set

EASY GLASS® VIEW VARIANTS

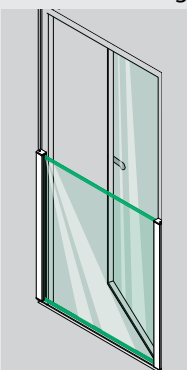
View

Facade mounting



View

Frame mounting



Rubber inlay sets for Profile Set

ITEM

19.6923.112.00

19.6923.119.00

19.6923.113.00

19.6923.114.00

19.6923.117.00

GLASS TYPE

Monolithic

Monolithic

Laminated

Laminated

Laminated

GLASS THICKNESS

1/2"

3/4"

1/2"

9/16"

5/8"

Sold 2/box



GLASS CLAMPS



GLASS CONNECTORS



HINGES & DOOR LOCKS



GLASS ADAPTERS



GLASS INFILL HOLDERS – GLASS THICKNESSES

			Monolithic					Laminated								
			Glass thickness					Glass thickness								
		PG.	1/4" (6 mm)	5/16" (8 mm)	3/8" (10 mm)	1/2" (12 mm)	3/4" (19 mm)	1/4" (6.76 mm)	5/16" (8.76 mm)	3/8" (10.76 mm)	1/2" (12.76 mm)	9/16" (13.52 mm)	5/8" (16.76 mm)	11/16" (17.52 mm)	26/32" (20.76 mm)	27/32" (21.52 mm)
Glass clamps	MOD 21	277	■	■	■			■	■							
	MOD 42	278	■	■	■	■		■	■	■	■					
	MOD 28	279	■	■	■	■			■	■	■					
	MOD 25	277	■	■	■	■		■	■	■	■					
Glass connectors	MOD 28	279	■	■	■	■			■	■	■					
	MOD 42	278	■	■	■	■		■	■	■	■					
	MOD 0742	278				■	■				■	■	■	■	■	■
Hinges and door locks	MOD 0281	307	■	■	■	■		■	■	■	■					
	MOD 0282	307	■	■	■	■		■	■	■	■					
Glass adapters	MOD 4752	282		■	■	■			■	■	■	■				
	MOD 4753	282		■	■	■			■	■	■	■				
	MOD 0750	282		■	■	■			■	■	■	■				
	MOD 0751	282		■	■	■			■	■	■	■				
	MOD 0754	283		■	■	■			■	■	■	■	■	■		
	MOD 0746 (Ø 1.18")	283	■	■	■	■		■	■	■	■	■	■	■		

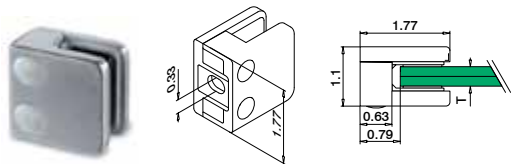
Q-railing GLASS CLAMPS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

GLASS CLAMPS

Rubber inlays and mounting screws are not included

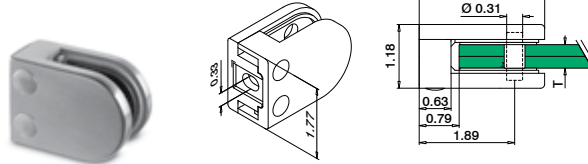
MOD 21 FOR GLASS 1/4" TO 3/8" THICK



Square Glass Clamps for Flat Surface - MOD 21

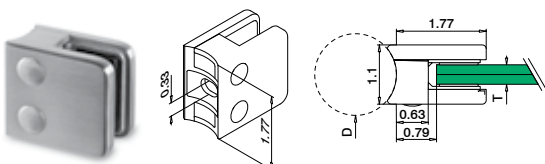
ITEM	AISI	FITS	Sold 4/box
13.2100.000.12	304	FLAT	
14.2100.000.12	316	FLAT	

MOD 25 FOR GLASS 1/4" TO 1/2" THICK



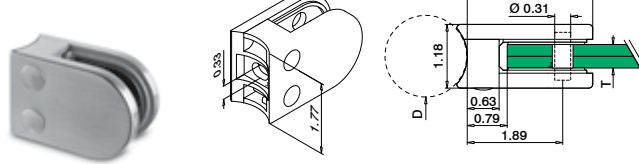
Rounded Glass Clamps for Flat Surface - MOD 25

ITEM	AISI	FITS	Sold 4/box
13.2500.000.12	304	FLAT	
14.2500.000.12	316	FLAT	



Square Glass Clamps for Tube - MOD 21

ITEM	AISI	FITS	Sold 4/box
13.2100.038.12	304	1-1/2" Ø Tube	
14.2100.038.12	316	1-1/2" Ø Tube	



Rounded Glass Clamps for Tube - MOD 25

ITEM	AISI	FITS	Sold 4/box
13.2500.038.12	304	1-1/2" Ø Tube	
13.2500.048.12	304	1.9" Ø Tube	
14.2500.038.12	316	1-1/2" Ø Tube	
14.2500.048.12	316	1.9" Ø Tube	

Rubber inlays for MOD 21

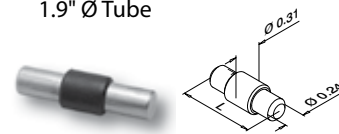
ITEM #	GLASS TYPE	GLASS THICKNESS	Sold 8/box
19.5002.006.00	Monolithic	1/4" (6mm)	
19.5002.008.00	Monolithic	5/16" (8mm)	
19.5002.010.00	Monolithic	3/8" (10mm)	
19.5002.007.00	Laminated	1/4" (6.76mm)	
19.5002.009.00	Laminated	5/16" (8.76mm)	



2 inlays
per clamp

Security Pin

ITEM #	L	Sold 4/box
19.5015.025.00	63/64" (25mm)	



Rubber inlays for MOD 25

ITEM #	GLASS TYPE	GLASS THICKNESS	Sold 8/box
19.5009.006.00	Monolithic	1/4" (6mm)	
19.5009.008.00	Monolithic	5/16" (8mm)	
19.5009.010.00	Monolithic	3/8" (10mm)	
19.5009.012.00	Monolithic	1/2" (12mm)	
19.5009.007.00	Laminated	1/4" (6.76mm)	
19.5009.009.00	Laminated	5/16" (8.76mm)	
19.5009.011.00	Laminated	3/8" (10.76mm)	
19.5009.013.00	Laminated	1/2" (12.76mm)	



2 inlays
per clip

Mounting Screw for MOD 21 & MOD 25

5/16-18 x 3/4" socket head cap screw, type 316 stainless steel

ITEM #	TAP SIZE	SOLD EACH
94.0680.820.14S	5/16-18 3A	SOLD 50/BOX
94.0680.820.14	5/16-18 3A	SOLD 50/BOX

One per clamp



19.0601.000.00 Q-cleaner

Stainless steel anti-static cleaning spray, concentrated, without propellant



19.0602.000.00 Q-protector

Protection spray for stainless steel and aluminum



19.0610.000.00 Q-ultra-clean

Chemical stainless steel cleaner to remove heavy dirt and rust stains. Q-ultra-clean rebuilds/strengthens the passive layer of the stainless steel.

ALL DIMENSIONS ARE APPROXIMATE.

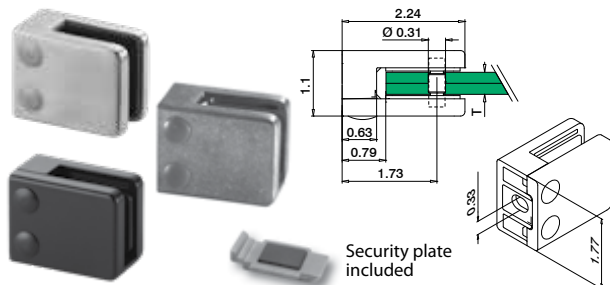
Q-railing GLASS CLAMPS & CONNECTORS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

GLASS CLAMPS & CONNECTORS

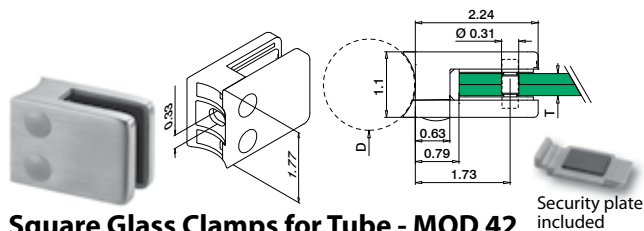
Rubber inlays and mounting screws are not included

MOD 42 FOR GLASS 1/4" TO 1/2" THICK



Square Glass Clamps for Flat Surface - MOD 42

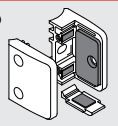
ITEM	AISI	FITS	Sold 4/box
13.4200.000.12	304	Satin Stainless	FLAT
10.4200.000.31	Zinc	Black RAL 9005	FLAT
10.4200.000.00	Zinc	Zinc	FLAT
14.4200.000.12	316	Satin Stainless	FLAT



Square Glass Clamps for Tube - MOD 42

ITEM	AISI	FITS	Sold 4/box
13.4200.038.12	304	1-1/2" Ø Tube	
13.4200.048.12	304	1.9" Ø Tube	
14.4200.038.12	316	1-1/2" Ø Tube	
14.4200.048.12	316	1.9" Ø Tube	

Insert the security plate into the glass clamp instead of using a security pin. Your costs are reduced because holes in the glass are not required.



2 inlays per clamp

4 inlays for glass to glass clamps

Rubber inlays for MOD 42

ITEM #	GLASS TYPE	GLASS THICKNESS	Sold 8/box
19.5003.006.00	Monolithic	1/4" (6mm)	
19.5003.008.00	Monolithic	5/16" (8mm)	
19.5003.010.00	Monolithic	3/8" (10mm)	
19.5003.012.00	Monolithic	1/2" (12mm)	
19.5003.007.00	Laminated	1/4" (6.76mm)	
19.5003.009.00	Laminated	5/16" (8.76mm)	
19.5003.011.00	Laminated	3/8" (10.76mm)	
19.5003.013.00	Laminated	1/2" (12.76mm)	

Mounting Screw for MOD 42

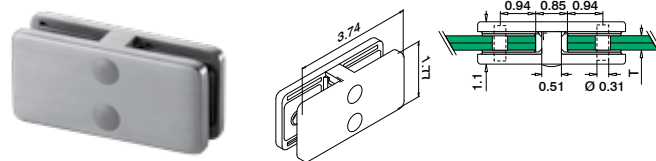
5/16-18 x 3/4" socket head cap screw, type 316 stainless steel

ITEM #	TAP SIZE	SOLD EACH
94.0680.820.14S	5/16-18 3A	SOLD EACH
94.0680.820.14	5/16-18 3A	SOLD 50/BOX

One per clamp

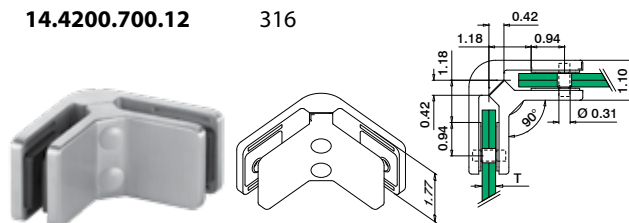


ALL DIMENSIONS ARE APPROXIMATE.



Square Glass to Glass Clamps - MOD 42

ITEM	AISI	Sold 2/box
13.4200.700.12	304	
14.4200.700.12	316	

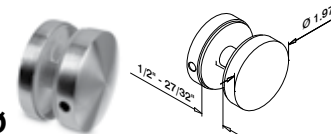


Square 90° Glass to Glass Clamps - MOD 42

ITEM	AISI	Sold 2/box
13.4200.900.12	304	
14.4200.900.12	316	

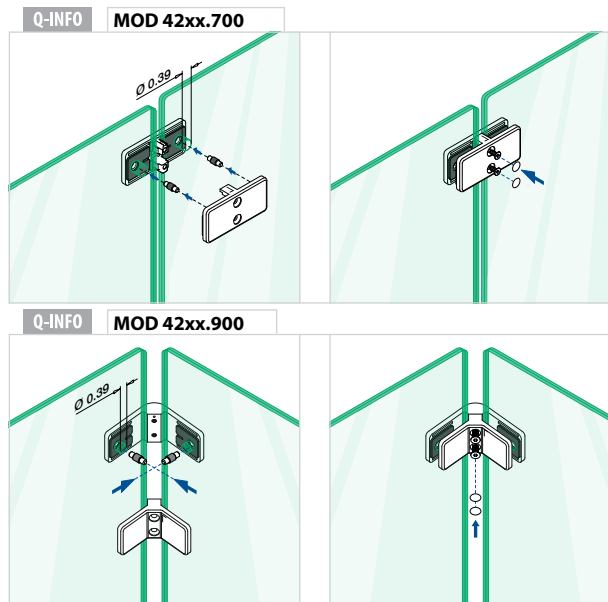
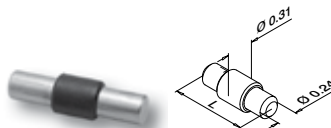
Glass Connector 1.97" Ø

ITEM	AISI	C-SPANNER	Sold 2/box
14.0742.050.12	316	Q-32	



Security Pin

ITEM #	Sold 4/box
19.5015.022.00	



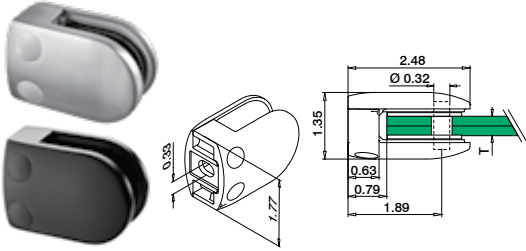
Q-railing GLASS CLAMPS & CONNECTORS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

GLASS CLAMPS & CONNECTORS

Rubber inlays and mounting screws are not included

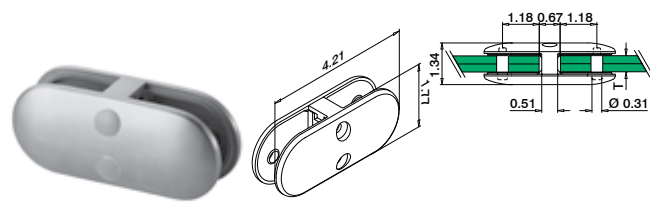
MOD 28 FOR GLASS 1/4" TO 1/2" THICK



Rounded Glass Clamps for Flat Surface - MOD 28

ITEM	AISI	FITS	
13.2800.000.12	304	Satin Stainless	FLAT
10.2800.000.31	Zinc	Black RAL 9005	FLAT
14.2800.000.12	316	Satin Stainless	FLAT

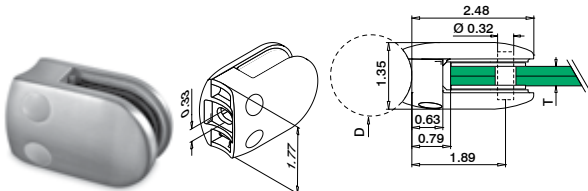
Sold 4/box



Rounded Glass to Glass Clamps - MOD 28

ITEM	AISI
13.2800.700.12	304
14.2800.700.12	316

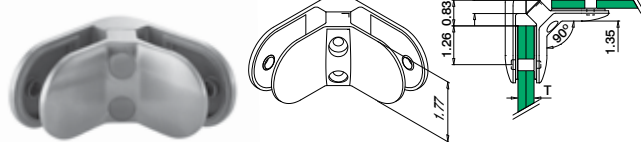
Sold 2/box



Rounded Glass Clamps for Tube - MOD 28

ITEM	AISI	FITS	
13.2800.048.12	304	1.9" Ø Tube	
14.2800.048.12	316	1.9" Ø Tube	

Sold 4/box



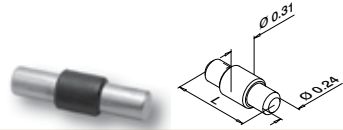
Rounded 90° Glass to Glass Clamps - MOD 28

ITEM	AISI
13.2800.900.12	304
14.2800.900.12	316

Sold 2/box

Security Pin - MOD 28

ITEM #	
19.5015.022.00	Sold 4/box

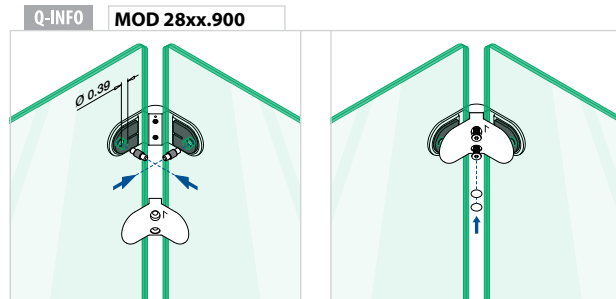
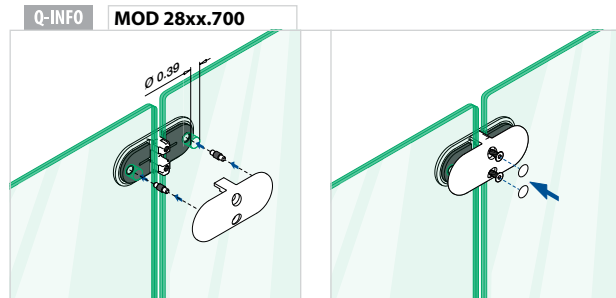


2 inlays
per clamp
4 inlays for
glass to glass
clamps

Rubber inlays for MOD 28

ITEM #	GLASS TYPE	GLASS THICKNESS	
19.5001.006.00	Monolithic	1/4" (6mm)	
19.5001.008.00	Monolithic	5/16" (8mm)	
19.5001.010.00	Monolithic	3/8" (10mm)	
19.5001.012.00	Monolithic	1/2" (12mm)	
19.5001.009.00	Laminated	5/16" (8.76mm)	
19.5001.011.00	Laminated	3/8" (10.76mm)	
19.5001.013.00	Laminated	1/2" (12.76mm)	

Sold 8/box

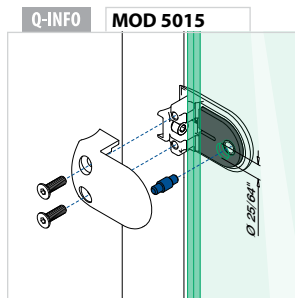


Mounting Screw for MOD 28

5/16-18 x 3/4" socket head cap screw, type 316 stainless steel

ITEM #	TAP SIZE	
94.0680.820.145	5/16-18 3A	SOLD EACH
94.0680.820.14	5/16-18 3A	SOLD 50/BOX

One per clamp



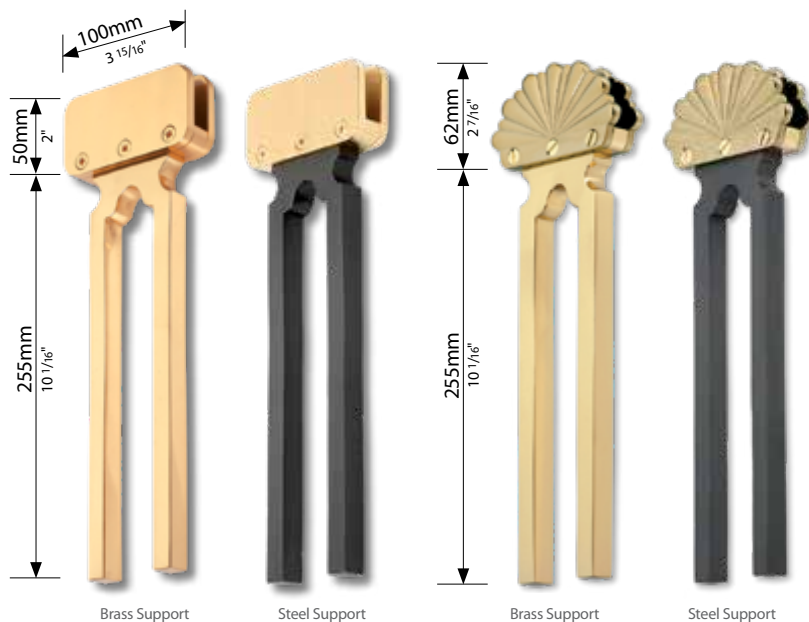
ALL DIMENSIONS ARE APPROXIMATE.

BRASS GLASS CLIPS

Grande Forge plain or chased brass glass clips with support.

Maximum 1/2" glass.

Recommended for use with base collars CSL648 and CSL403.



■ 14x16 mm 9/16 x 5/8"	GC1050L	GC1050	GC8250L	GC8250
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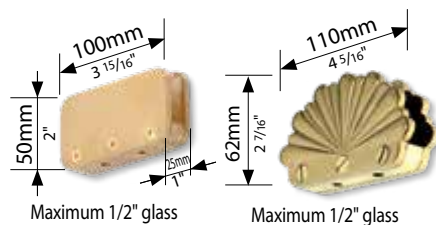
CSL648

3-15/16" wide x 1-15/16" deep
for 5/8" sq.



CSL403

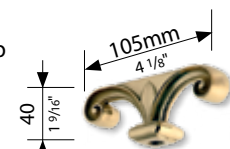
2-3/8" wide x 1-7/8" deep
for 5/8" sq.



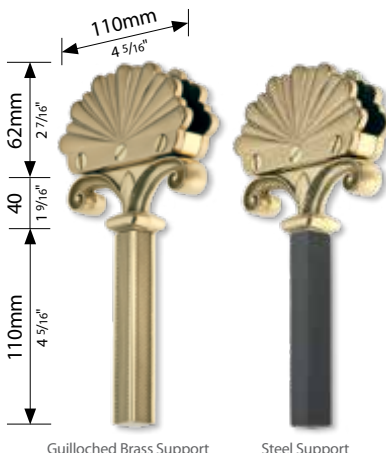
GC8050

GC8150

Base for
glass clip
GC8050
and
GC8150.



■ 16 mm 5/8"	GC8450
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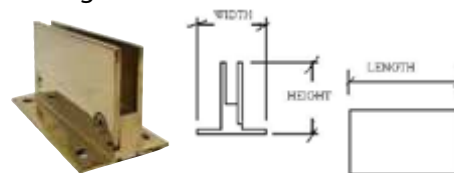
Guilloché Brass Support

Steel Support

■ 16 mm 5/8"	GC8350	GC8550
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Our solid brass glass clips are used to create booth dividers and guard rails and can accommodate 1/4"-3/8" glass.



AC065 Clip for 1/4" Glass

ITEM #	W	H	L
AC065	1-5/16"	1-3/8"	2-5/8"



AC062 Clip for 1/4"- 3/8" Glass

ITEM #	W	H	L
AC062C Center	9/16"	1-3/8"	2-5/8"
AC062R Right	9/16"	1-3/8"	2-5/8"
AC062L Left	9/16"	1-3/8"	2-5/8"

ALL DIMENSIONS ARE APPROXIMATE.

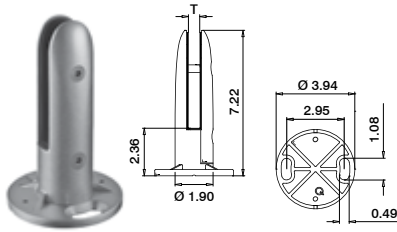
Q-railing BASE GLASS CLAMPS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

BASE GLASS CLAMPS

Rubber inlays and mounting screws are not included

BASE CLAMPS FOR GLASS 1/2" THICK



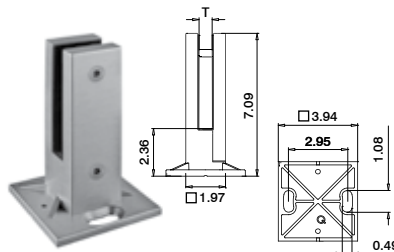
**Rounded Base Glass Clamp
MOD 61**

ITEM 14.6100.000.12 AISI 316 **Sold 1/box**

Mounting Screw for MOD 61 & MOD 62

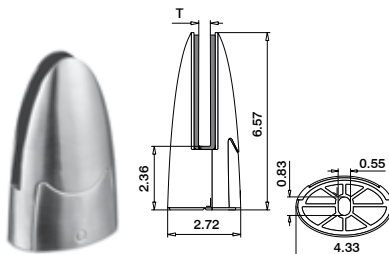
Concrete Anchor Screw w/Hex Head (QS-519),
4-59/64" Long, 316 Stainless Steel

ITEM #
19.4212.150.145 SOLD EACH
19.4212.150.14 SOLD 25/BOX



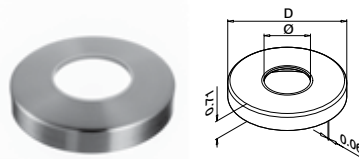
**Square Base Glass Clamp
MOD 62**

ITEM 14.6200.000.12 AISI 316 **Sold 1/box**



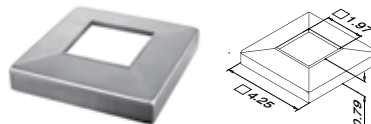
**Modern Base Glass Clamp
MOD 6000**

ITEM 14.6000.000.12 AISI 316 **Sold 1/box**



Cover Flange for MOD 61

ITEM 14.0512.048.12 AISI 316 D 4.13"



Cover Flange for MOD 62

ITEM 14.4511.050.12 AISI 316



2 inlays
per clamp

Sold 2/box

Rubber inlays for MOD 61

ITEM #	GLASS TYPE	GLASS THICKNESS
19.5063.012.00	Monolithic	1/2" (12mm)
19.5063.013.00	Laminated	1/2" (12.76mm)



2 inlays
per clamp

Sold 2/box

Rubber inlays for MOD 62

ITEM #	GLASS TYPE	GLASS THICKNESS
19.5064.012.00	Monolithic	1/2" (12mm)
19.5064.013.00	Laminated	1/2" (12.76mm)

Mounting Screw for MOD 6000

Concrete Anchor Screw w/Nut (QS-60),
M12, 6-11/16" Long, 316 Stainless Steel

ITEM #
19.4012.225.145 SOLD EACH
19.4012.225.14 SOLD 10/BOX

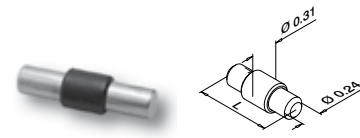


2 inlays
per clamp

Sold 2/box

Rubber inlays for MOD 6000

ITEM #	GLASS TYPE	GLASS THICKNESS
19.5062.012.00	Monolithic	1/2" (12mm)
19.5062.013.00	Laminated	1/2" (12.76mm)



Security Pin for MOD 6000

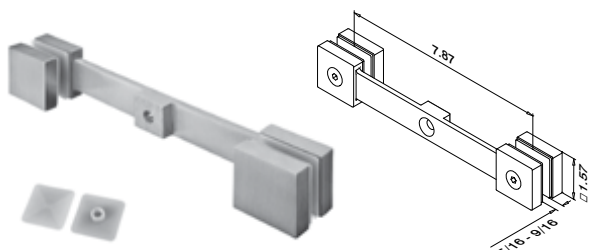
ITEM 19.5015.030.00 L 1-3/16" **Sold 4/box**

ALL DIMENSIONS ARE APPROXIMATE.

Q-railing POST MOUNTED GLASS ADAPTERS

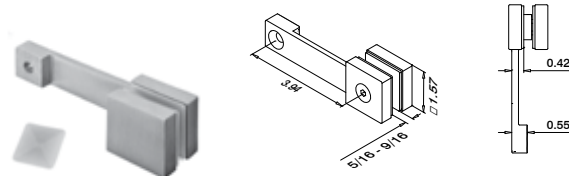
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

POST MOUNTED GLASS ADAPTERS



Square Spider Glass Adapter - Double

ITEM	AISI	GLASS	Sold 2/box
14.4752.000.12	316	5/16"-9/16"	



Square Spider Glass Adapter - Single

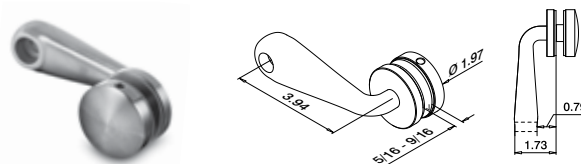
ITEM	AISI	GLASS	Sold 2/box
14.4753.000.12	316	5/16"-9/16"	

Don't forget to choose an accompanying post connector.



Round Spider Glass Adapter - Double

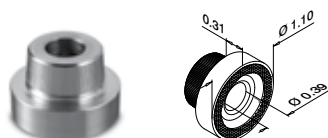
ITEM	AISI	GLASS	Sold 2/box
13.0750.000.12	304	5/16"-9/16"	
14.0750.000.12	316	5/16"-9/16"	



Round Spider Glass Adapter - Single

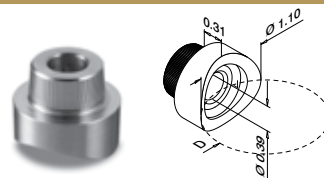
ITEM	AISI	GLASS	Sold 2/box
13.0751.000.12	304	5/16"-9/16"	
14.0751.000.12	316	5/16"-9/16"	

POST CONNECTORS FOR ROUND SPIDER GLASS ADAPTERS



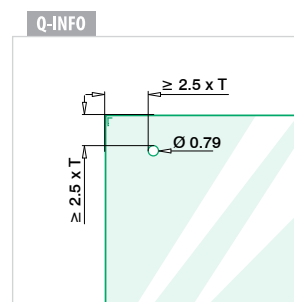
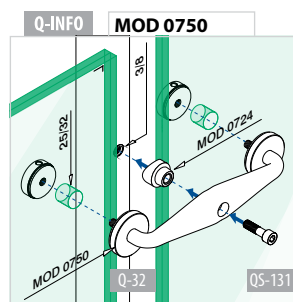
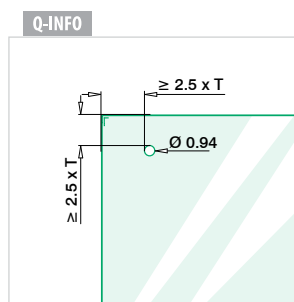
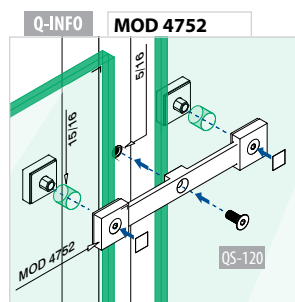
Connector for Flat Post

ITEM	AISI	Sold 2/box
13.0724.000.12	304	
14.0724.000.12	316	



Connector for Round Post

ITEM	AISI	FITS	Sold 2/box
13.0724.038.12	304	1-1/2" Tube	
13.0724.048.12	304	1.9" Tube	
14.0724.038.12	304	1-1/2" Tube	
14.0724.048.12	304	1.9" Tube	

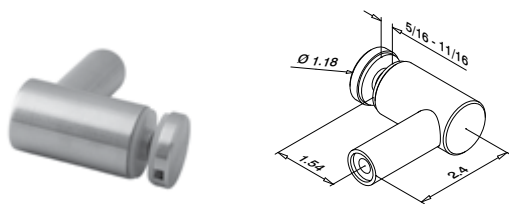


ALL DIMENSIONS ARE APPROXIMATE.

Q-railing POST MOUNTED GLASS ADAPTERS

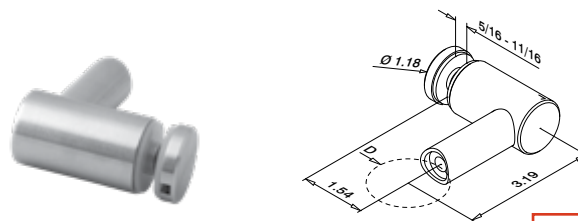
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

POST MOUNTED GLASS ADAPTERS



Spider Adapter, Flat Surface to Glass

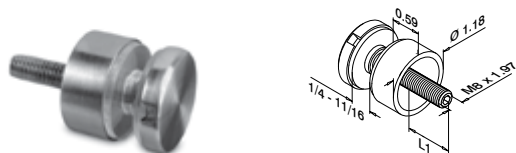
ITEM	AISI	GLASS	Sold 4/box
14.0754.000.12	316	5/16"-11/16"	



Spider Adapter, Round Post to Glass

Sold 4/box

ITEM	AISI	GLASS	FITS
14.0754.038.12	316	5/16"-11/16"	1-1/2" Ø Tube
14.0754.048.12	316	5/16"-11/16"	1.9" Ø Tube



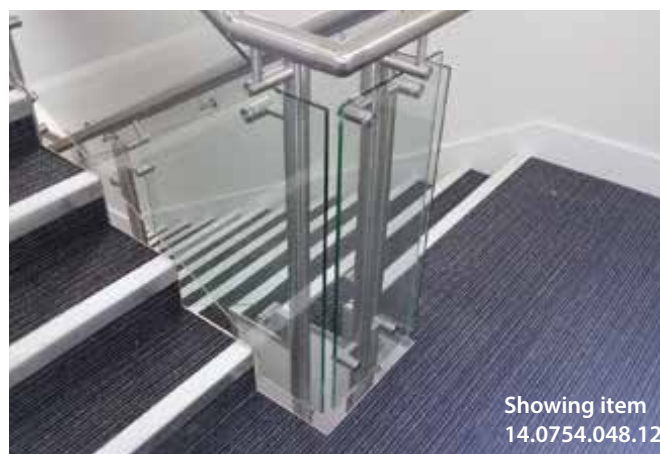
Glass Adapter, Flat Surface to Glass

ITEM	AISI	GLASS	Sold 4/box
14.0746.000.12	316	1/4"-11/16"	

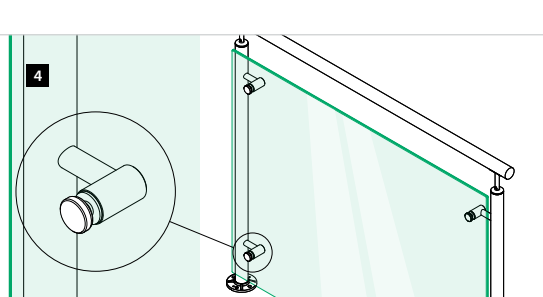
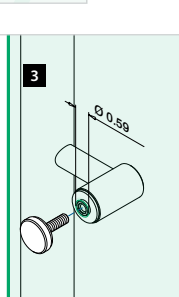
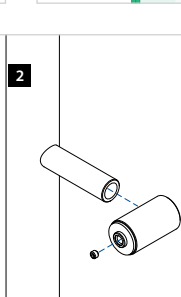
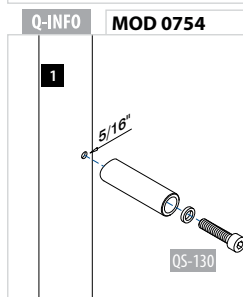
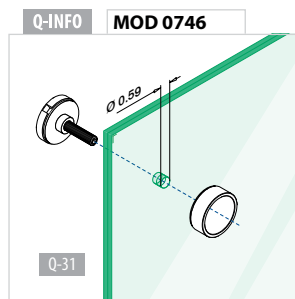
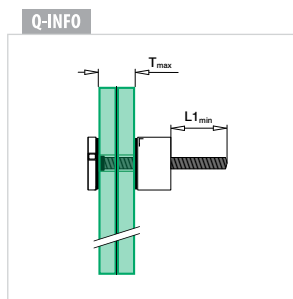


Glass Adapter, Flat Surface to Glass

ITEM	AISI	Sold 4/box
14.0740.000.12	316	



STAINLESS &
CABLE RAILING

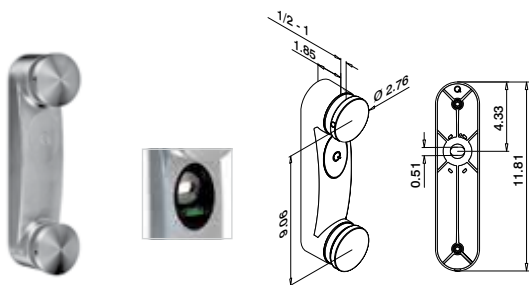


ALL DIMENSIONS ARE APPROXIMATE.

Q-railing FASCIA MOUNTED GLASS ADAPTERS

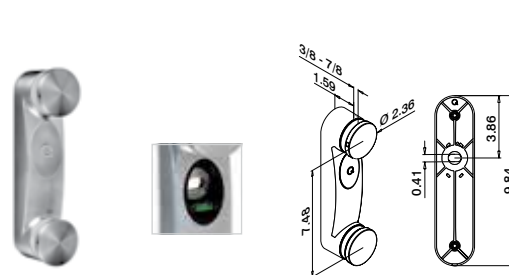
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

FASCIA MOUNTED GLASS ADAPTERS FOR LIGHT & MEDIUM USE



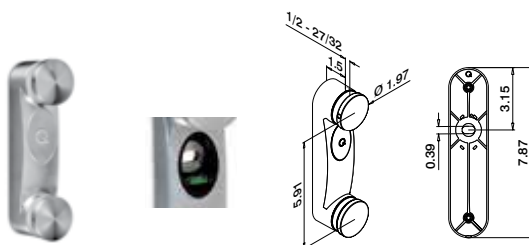
11¹³/₁₆" Tall Easy Glass® Flat to Glass Adapter

ITEM	AISI	C-SPANNER	Sold 1/box
13.0760.000.12	304	Q-51	



9⁷/₈" Tall Easy Glass® Flat to Glass Adapter

ITEM	AISI	C-SPANNER	Sold 1/box
14.0761.000.12	316	Q-33	



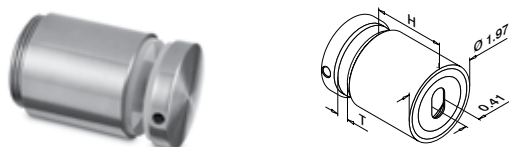
7⁷/₈" Tall Easy Glass® Flat to Glass Adapter

ITEM	AISI	C-SPANNER	Sold 1/box
13.0762.000.12	304	Q-32	
14.0762.000.12	316	Q-32	



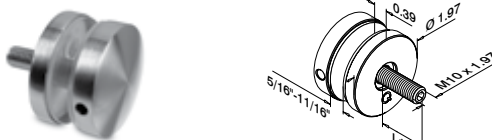
C-spanner

ITEM	C-SPANNER	FOR Ø
19.0702.050.00	Q-32	1-3/4" - 2"
19.0702.060.00	Q-33	2-1/4" - 2-1/2"
19.0702.070.00	Q-51	2-2/3" - 3"



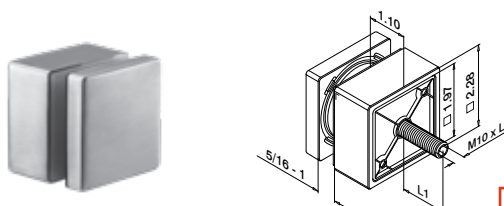
Easy Glass® Glass Adapter, Fascia Mount, Adjustable, Round, 1.97" Ø

ITEM	AISI	H	GLASS	C-SPANNER
13.0749.400.12	304	1-9/16"	5/16"-1"	Q-32
14.0749.400.12	316	1-9/16"	5/16"-1"	Q-32



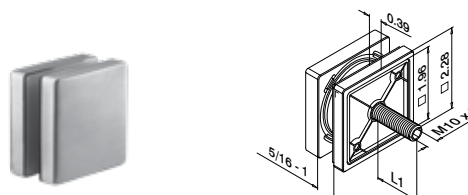
Easy Glass® Glass Adapter, Fascia Mount, Round, 1.97" Ø

ITEM	AISI	L1	GLASS	C-SPANNER
13.0747.000.12	304	3/8"-13/16"	5/16"-11/16"	Q-32
14.0747.000.12	316	3/8"-13/16"	5/16"-11/16"	Q-32



Easy Glass® Glass Adapters, Fascia Mount, Square

ITEM	AISI	L	L1	GLASS
14.4747.300.12	316	3-1/8"	1/2" - 1-1/4"	5/16" - 1"



Easy Glass® Glass Adapters, Fascia Mount, Square

ITEM	AISI	L	L1	GLASS
14.4747.000.12	316	2-3/8"	1/2" - 1-1/4"	5/16" - 1"

ALL DIMENSIONS ARE APPROXIMATE.



STAINLESS STEEL RAILING SYSTEMS



This modular system allows for flexibility of part selection and ease of installation vs. comparable welded systems.

Available in 304 and 316 grade for interior or exterior applications in a satin finish.

Three infill options available: solid stainless rods, CableRail or glass.



AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | All items in Satin stainless #4 finish

ROUND NEWEL POSTS FOR 1-2/3" Ø X 5/64" TUBING

Stainless Steel Newel Post
Satin finish, with grain 240, complete with welded flange.

AISI 304	AISI 316	H
E0042	E0042316	39-3/8"
E0040	E0040316	47-1/4"

Stainless Steel Newel Post
Satin finish, with grain 240, complete with lateral flange.

AISI 304	AISI 316	H
E00450	E00450316	47-1/4"

Stainless Steel Newel Post
Satin finish, with grain 240, complete with round bar supports and wall anchor mounting plate.
Post has nine bar holders and bar is 1/2" diameter.
Y: 4" H: 47-1/4"

AISI 304	AISI 316
EL2421209	EL4421209

Stainless Steel Newel Post
Satin finish, with grain 240, complete with round bar supports, mounting plate and flange canopy.
Post has nine bar holders and bar is 1/2" diameter.
Y: 4" H: 39-3/8"

AISI 304	AISI 316
EM2421209	EM4421209

Stainless Steel Newel Post
Satin finish, with grain 240, complete with fixed handrail support for corners, round bar supports for corners, mounting plate and flange canopy.
Post has nine bar holders and bar is 1/2" diameter.
Y: 4" H: 39-3/8"

AISI 304	AISI 316
EM242120990	EM442120990

Stainless Steel Newel Post
Satin finish, with grain 240, complete with 4 glass clamps with 90° angles, mounting plate and flange canopy.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21404200
Y: 25-3/16" H: 39-3/8"

AISI 304	AISI 316
EP24204P	EP44204P

Stainless Steel Newel Post
Satin finish, with grain 240, complete with 4 glass clamps, mounting plate and flange canopy.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21404200
Y: 25-3/16" H: 39-3/8"

AISI 304	AISI 316
EP24204P90	EP44204P90

Stainless Steel Newel Post
Satin finish, with grain 240, complete with 2 glass clamps, mounting plate and flange canopy.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21404200
Y: 25-3/16" H: 39-3/8"

AISI 304	AISI 316
EP24202P	EP44202P

ALL DIMENSIONS ARE APPROXIMATE.

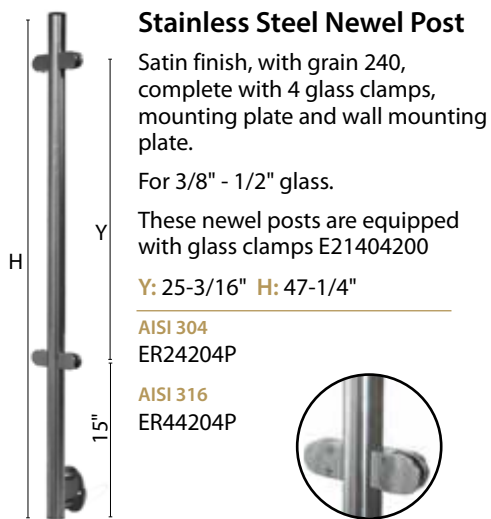
IAM DESIGN RAILING SYSTEM - NEWEL POSTS

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

ROUND NEWEL POSTS FOR 1-2/3" Ø X 5/64" TUBING

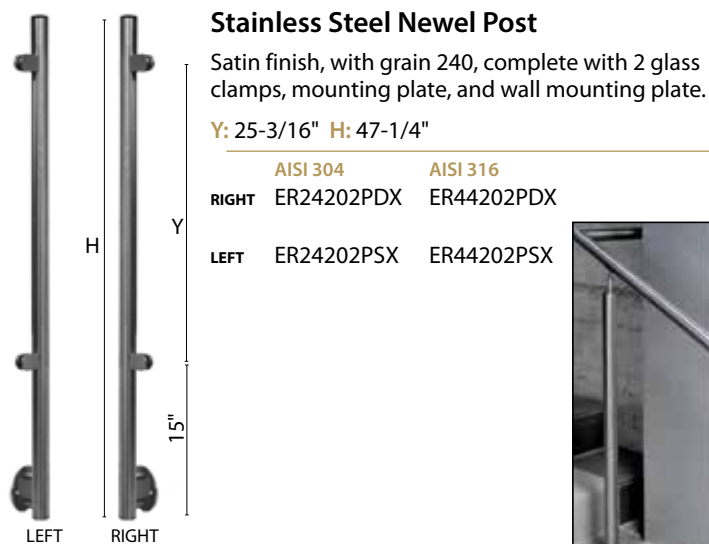
Stainless Steel Newel Post
Satin finish, with grain 240, complete with 4 glass clamps, mounting plate and wall mounting plate.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21404200
Y: 25-3/16" H: 47-1/4"

AISI 304	
ER24204P	
AISI 316	
ER44204P	



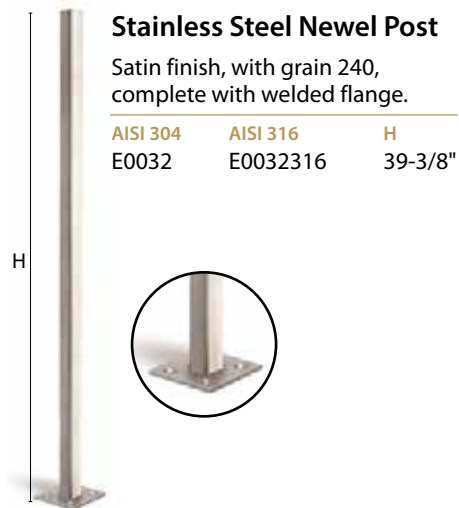
Stainless Steel Newel Post
Satin finish, with grain 240, complete with 2 glass clamps, mounting plate, and wall mounting plate.
Y: 25-3/16" H: 47-1/4"

	AISI 304	AISI 316
RIGHT	ER24202PDX	ER44202PDX
LEFT	ER24202PSX	ER44202PSX



SQUARE NEWEL POSTS FOR 1-9/16" X 1-9/16" X 5/64" TUBING

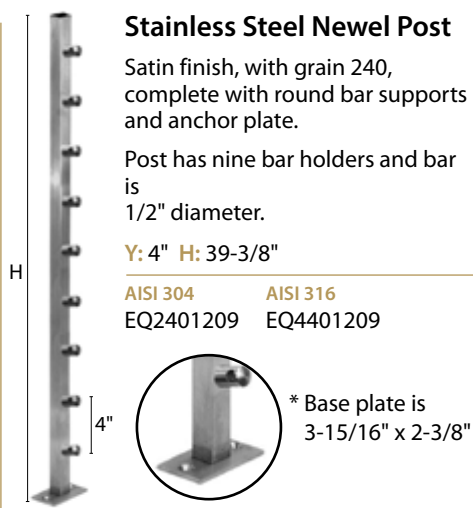
Stainless Steel Newel Post
Satin finish, with grain 240, complete with welded flange.
AISI 304 E0032 **AISI 316** E0032316 **H** 39-3/8"



Stainless Steel Newel Post
Satin finish, with grain 240, complete with round bar supports and anchor plate.
Post has nine bar holders and bar is 1/2" diameter.
Y: 4" H: 39-3/8"

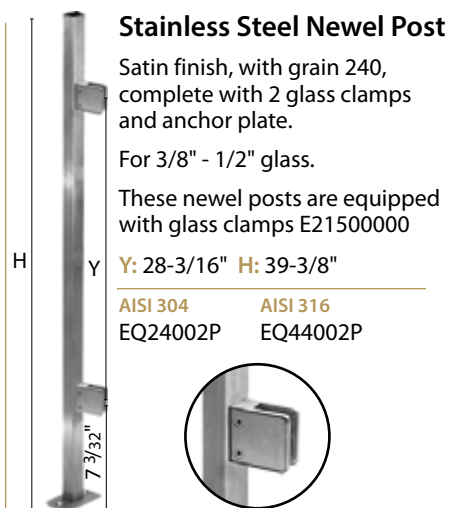
AISI 304	AISI 316
EQ2401209	EQ4401209

* Base plate is 3-15/16" x 2-3/8"



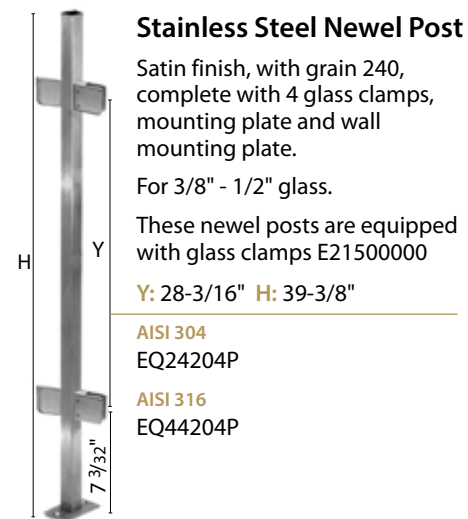
Stainless Steel Newel Post
Satin finish, with grain 240, complete with 2 glass clamps and anchor plate.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21500000
Y: 28-3/16" H: 39-3/8"

AISI 304	AISI 316
EQ24002P	EQ44002P



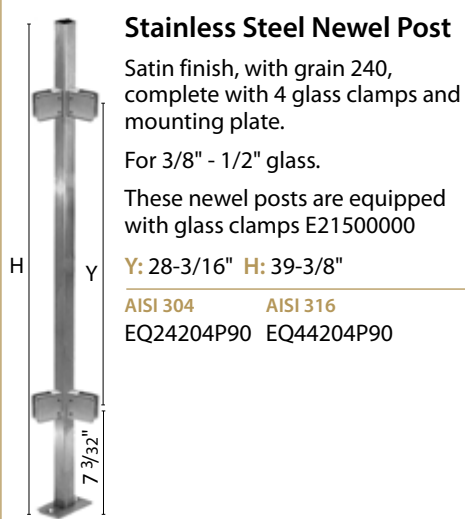
Stainless Steel Newel Post
Satin finish, with grain 240, complete with 4 glass clamps, mounting plate and wall mounting plate.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21500000
Y: 28-3/16" H: 39-3/8"

AISI 304	
EQ24204P	
AISI 316	
EQ44204P	



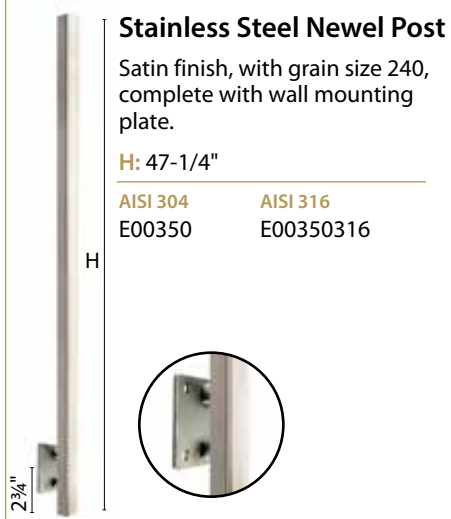
Stainless Steel Newel Post
Satin finish, with grain 240, complete with 4 glass clamps and mounting plate.
For 3/8" - 1/2" glass.
These newel posts are equipped with glass clamps E21500000
Y: 28-3/16" H: 39-3/8"

AISI 304	AISI 316
EQ24204P90	EQ44204P90



Stainless Steel Newel Post
Satin finish, with grain size 240, complete with wall mounting plate.
H: 47-1/4"

AISI 304	AISI 316
E00350	E00350316



ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN RAILING SYSTEM - FITTINGS FOR ROUND POSTS

AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish



TUBING AND BAR



Stainless Steel Tubing 1-2/3" Ø x 5/64"

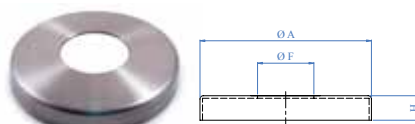
ITEM #	AISI	LENGTH
E001	304	9'10"
E001/6000	304	19'8"
E4801	316	9'10"
E4801/6000	316	19'8"



Stainless Steel 1/2" Ø Round Bar

ITEM #	AISI	LENGTH
E005	304	9'10"
E005/6000	304	19'8"
E4851	316	9'10"
E4851/6000	316	19'8"

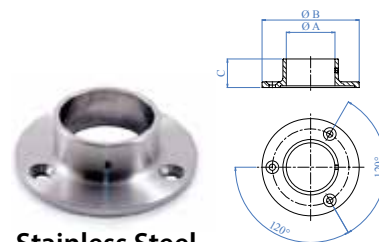
FLOOR & WALL FLANGES FOR 1-2/3" Ø X 5/64" TUBING



Stainless Steel Flange Canopy

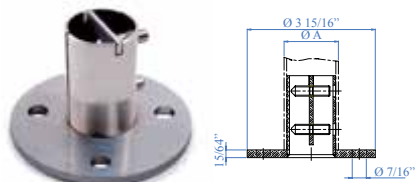
A: 4-9/64 F: 1-11/16" Ø H: 19/32"

ITEM #	AISI
E020	304
E4072	316



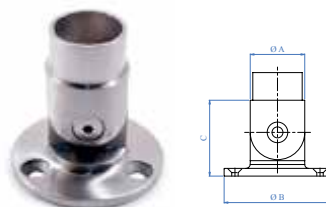
Stainless Steel Anchorage for Tube

ITEM #	AISI	B	C
E456	316	3-15/16"	1"



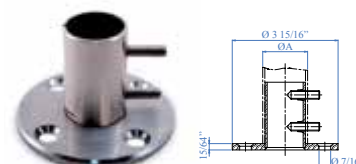
**Stainless Steel Anchorage
3-15/16" Ø x 15/64" - 3 Holes 7/16" Ø**

ITEM #	AISI
E403	316



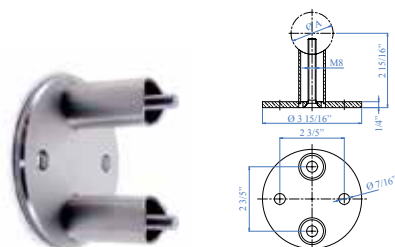
**Stainless Steel Anchorage
Adjustable Tube Holder**

ITEM #	AISI	B	C
E4483	316	3-17/64"	2-23/64"



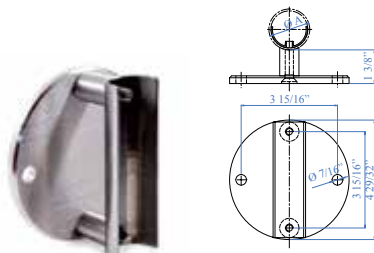
**Stainless Steel Disc
3-15/16" Ø x 15/64" -
4 Holes 7/16" Ø**

ITEM #	AISI
E0213	304
E0213316	316



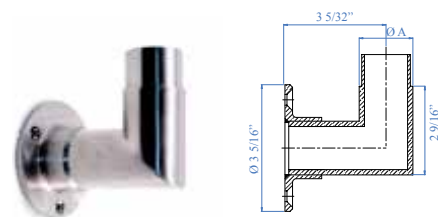
**Stainless Steel Anchorage
3-15/16" Ø x 15/64"**

ITEM #	AISI
E400/304	304



**Stainless Steel Lateral Anchorage
4-15/16" Ø x 5/16"**

ITEM #	AISI
E111	304
E111316	316



**Stainless Steel Tube Curved Elbow
3-5/16" Ø**

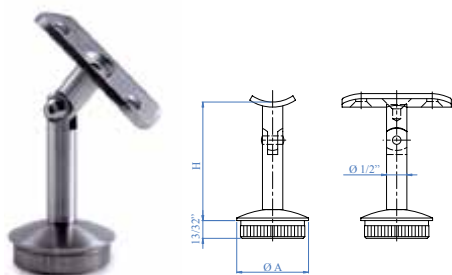
ITEM #	AISI
E4566	316

ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN RAILING SYSTEM - HANDRAIL SUPPORTS

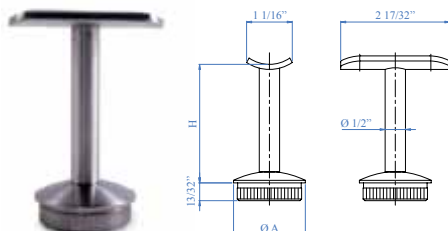
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

HANDRAIL SUPPORTS



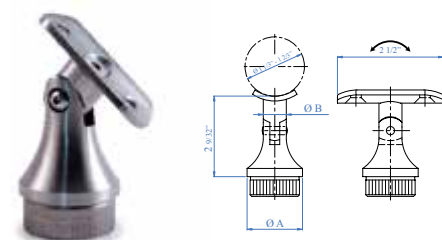
Stainless Steel Handrail Support
2-61/64" x 1/2" Ø, Pivotal

ITEM #	AISI	HANDRAIL
E030/S	303	1-2/3" Ø tube
E030/S316	316	1-2/3" Ø tube



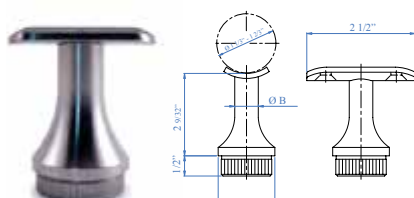
Stainless Steel Handrail Support
2-61/64" x 1/2" Ø, Rigid

ITEM #	AISI	HANDRAIL
E031/S1	303	1-2/3" Ø tube
E031/S1316	316	1-2/3" Ø tube



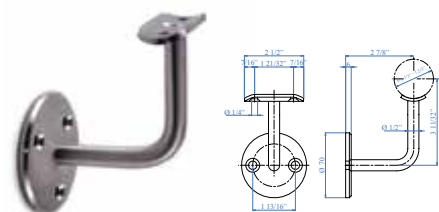
Stainless Steel Handrail Support
2-9/32" x 3/4" Ø, Pivotal

ITEM #	AISI	HANDRAIL
E0104	303	1-2/3" Ø tube
E0104316	316	1-2/3" Ø tube



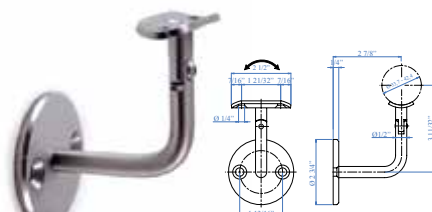
Stainless Steel Handrail Support
2-9/32" x 3/4" Ø, Rigid

ITEM #	AISI	HANDRAIL
E0102	303	1-2/3" Ø tube
E0102316	316	1-2/3" Ø tube



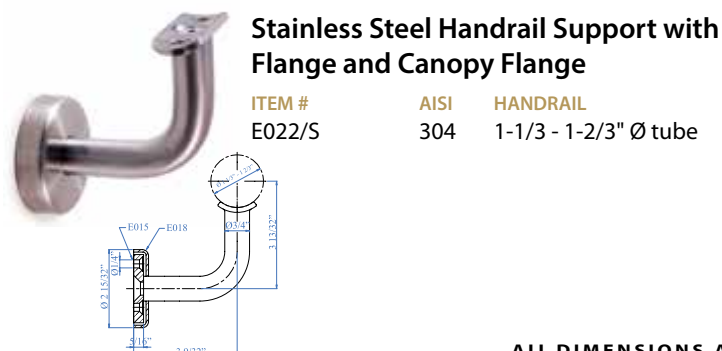
Stainless Steel Handrail Support
2-61/64" x 2-61/64", 1/2" Ø, Rigid,
with Mounting Plate

ITEM #	AISI	HANDRAIL
E0223	304	1-2/3" Ø tube
E0223316	316	1-2/3" Ø tube



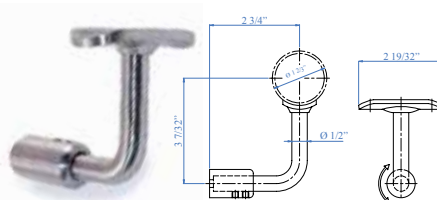
Stainless Steel Handrail Support
2-61/64" x 2-61/64", 1/2" Ø,
Pivotal, with Mounting Plate

ITEM #	AISI	HANDRAIL
E02231	304	1-2/3" Ø tube
E02231316	316	1-2/3" Ø tube



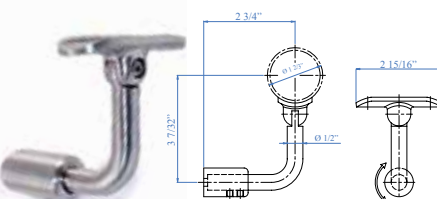
**Stainless Steel Handrail Support with
Flange and Canopy Flange**

ITEM #	AISI	HANDRAIL
E022/S	304	1-1/3" - 1-2/3" Ø tube



**Stainless Steel Handrail Support
for Lateral Fastening, Stiff**

ITEM #	AISI	HANDRAIL
E4583/424	316	1-2/3" Ø tube
E4583	316	Flat



**Stainless Steel Handrail Support
for Lateral Fastening, Pivotal**

ITEM #	AISI	HANDRAIL
E4584/424	316	1-2/3" Ø tube
E4584	316	Flat

ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN RAILING SYSTEM - FITTINGS FOR ROUND POSTS

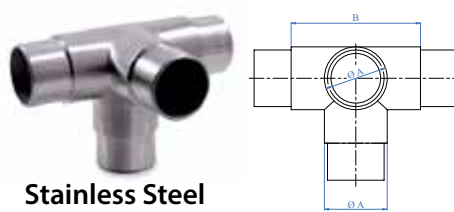
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

FITTINGS FOR 1-2/3" Ø X 5/64" TUBING



**Stainless Steel
3-Way Corner Fitting**

ITEM #	AISI	B
E203	316	2-3/4"



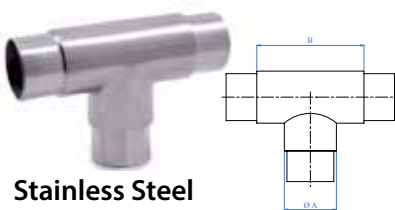
**Stainless Steel
4-Way Corner Fitting**

ITEM #	AISI	B
E2035	316	3-1/2"



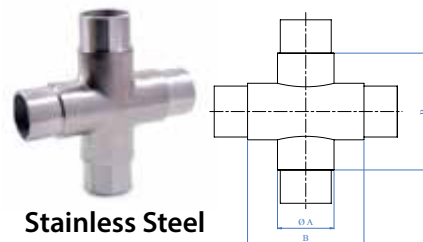
**Stainless Steel
90 degree Elbow**

ITEM #	AISI	A
E450	316	2-9/16"



**Stainless Steel
3-Way Flush "T" Fitting**

ITEM #	AISI	B
E453	316	3-7/16"



**Stainless Steel
4-Way Cross Fitting**

ITEM #	AISI	B
E2045	316	3-7/16"



**Stainless Steel
Articulated Elbow**

ITEM #	AISI
E4471	316



**Stainless Steel
90 degree Elbow**

ITEM #	AISI	A
E451	316	2-33/64"



**Stainless Steel
Pivotal Connector Fitting**

ITEM #	AISI
E446	316



**Stainless Steel
45 degree Angle Elbow**

ITEM #	AISI	A
E2015	316	2"



**Stainless Steel
Connector Fitting**

ITEM #	AISI
E455	316



ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN RAILING SYSTEM - ACCESSORIES FOR ROUND POSTS

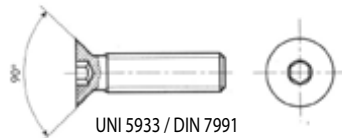
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

ACCESSORIES FOR 1-2/3" Ø X 5/64" TUBING



**Stainless Steel
Bar Holder with 1/2" Ø Hole**

ITEM #	AISI	A
E0069	303	1-2/3"
E4042	316	1-2/3"
E00692	303	Flat Face



**Stainless Steel Hexagon Socket
Countersunk Flat Head Screw
with Tread M5 x 1"**

ITEM #	AISI
E0385	304
E0385316	316

*Use one each with
E0069, E4042 or E00692



**Stainless Steel
1" Sphere with 1/2" Ø Hole**

ITEM #	AISI
E0127	303
E4308	316



**Stainless Steel
Rounded End Cap**

ITEM #	AISI
E4141	316



**Stainless Steel
Rounded End Cap**

ITEM #	AISI
E0119	303



**Stainless Steel
Semispherical End Cap**

ITEM #	AISI	H
E01112	303	3/4"



**Stainless Steel
Flat End Cap**

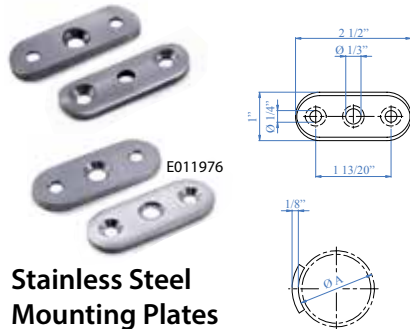
ITEM #	AISI
E4100	316



**Stainless Steel
Flat End Cap**

ITEM #	AISI
E01151	303

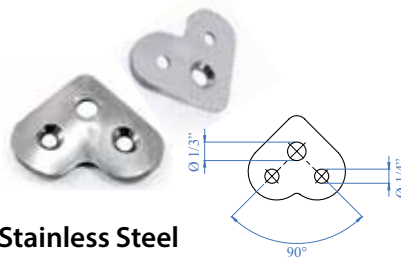
E01197 & E01197316



**Stainless Steel
Mounting Plates**

ITEM #	AISI	A
E01197	304	1-2/3" Ø
E01197316	316	1-1/3" Ø - 1-2/3" Ø
E011976	304	Flat Face

*Use two each of E0385



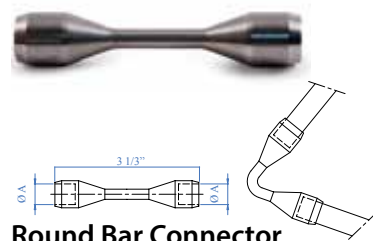
**Stainless Steel
90 degree Anchorage**

ITEM #	AISI	FORTUBE
E011971	304	1-1/3" - 1-2/3" Ø
E011970	304	Flat Face
E011971316	316	1-1/3" - 1-2/3" Ø



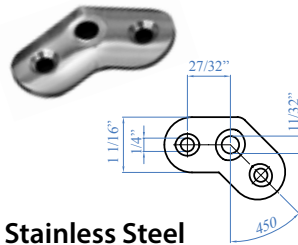
**Stainless Steel
Terminal End**

ITEM #	AISI
E452	316



Round Bar Connector

ITEM #	AISI	A
E00710	303	1/2" Ø
E00710316	316	1/2" Ø



**Stainless Steel
45 degree Mounting Plate**

ITEM #	AISI
E011974	304
E011974316	316

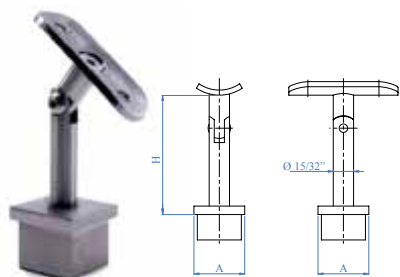
*Use two each of E0385



ALL DIMENSIONS ARE APPROXIMATE.

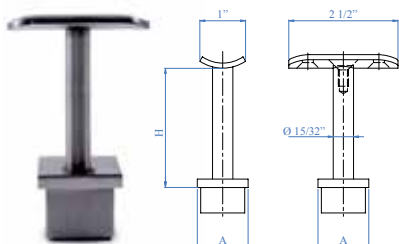
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

HANDRAIL SUPPORTS



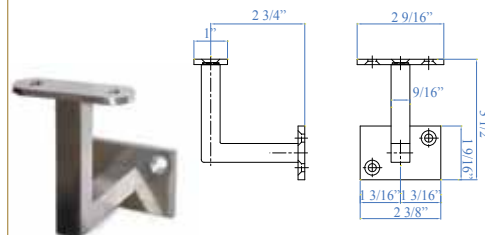
Stainless Steel Handrail Support
2-61/64" high, Pivotal

ITEM #	AISI	HANDRAIL
E037200	304	1-2/3" Ø tube
E037210	316	1-2/3" Ø tube



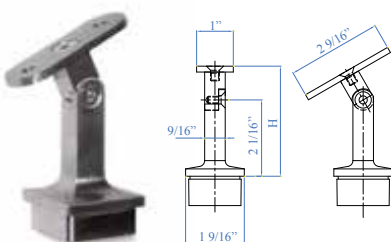
Stainless Steel Handrail Support
2-61/64" high, Rigid

ITEM #	AISI	HANDRAIL
E037600	304	1-2/3" Ø tube
E037610	316	1-2/3" Ø tube



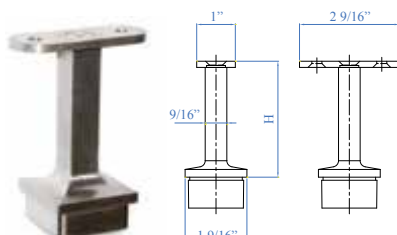
Stainless Steel Handrail Support, Rigid

ITEM #	AISI	HANDRAIL
E036300	304	Flat
E036400	304	1-2/3" Ø tube
E036310	316	Flat
E036410	316	1-2/3" Ø tube



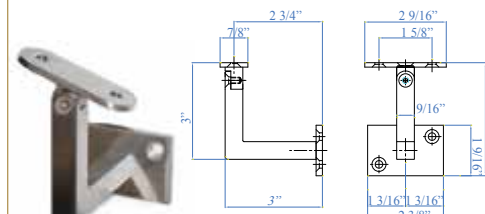
Stainless Steel Handrail Support
2-61/64" high, Pivotal

ITEM #	AISI	HANDRAIL
E037700	304	Flat
E037800	304	1-2/3" Ø tube
E037710	316	Flat
E037810	316	1-2/3" Ø tube



Stainless Steel Handrail Support
2-61/64" high, Rigid

ITEM #	AISI	HANDRAIL
E037300	304	Flat
E037400	304	1-2/3" Ø tube
E037310	316	Flat
E037410	316	1-2/3" Ø tube



Stainless Steel Handrail Support, Pivotal

ITEM #	AISI	HANDRAIL
E036500	304	Flat
E036600	304	1-2/3" Ø tube
E036510	316	Flat
E036610	316	1-2/3" Ø tube



ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN RAILING SYSTEM - FITTINGS FOR SQUARE POSTS

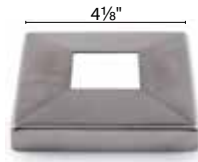
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

TUBING-BRACKETS-FLANGES AND FITTINGS FOR 1-9/16" X 1-9/16" X 5/64" TUBING



Stainless Steel Square Tubing
1-9/16" x 1-9/16" x 5/64"

ITEM #	AISI	LENGTH
E00204040	304	9'10"
E06204040	304	19'8"
E10204040	316	9'10"
E16204040	316	19'8"



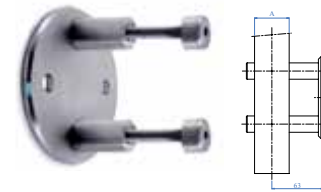
Stainless Steel Flange
with 1-39/64" Sq. Hole

ITEM #	AISI	Height
E02052316	316	19/32"



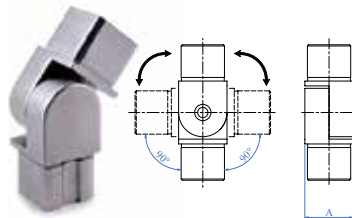
Stainless Steel Anchorage

ITEM #	AISI
E4701	316



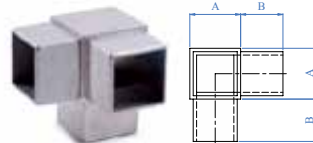
Stainless Steel Lateral Anchorage

ITEM #	AISI	A
E11440	304	Flat face



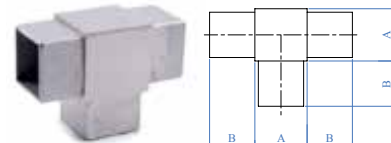
Stainless Steel Pivotal Connector Fitting

ITEM #	AISI
E4743	316



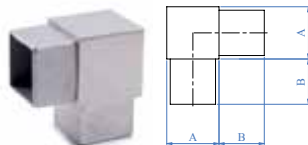
Stainless Steel 3-way Corner Fitting

ITEM #	AISI	B
E4723	316	1"



Stainless Steel 3-Way Flush "T" Fitting

ITEM #	AISI	B
E4733	316	1"



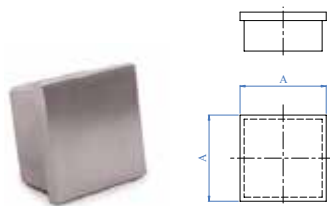
Stainless Steel Elbow Fitting

ITEM #	AISI	B
E4713	316	1"



Stainless Steel Connector Fitting

ITEM #	AISI
E4760	316



Stainless Steel Cap

ITEM #	AISI
E4230	316



ALL DIMENSIONS ARE APPROXIMATE.

AISI 303/304: Use for interior applications | All items in Satin stainless #4 finish

WOODEN HANDRAIL - 1-3/4" Ø



Unpainted Handrail

ITEM #	
E690/G	Wooden handrail 6'5" long
E690/3000/G	Wooden handrail 10' long



Beech Handrail

ITEM #	
E690	Wooden handrail 6'5" long
E690/3000	Wooden handrail 10' long

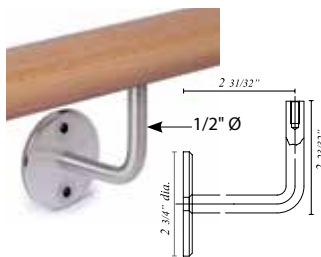


Wengè Handrail

Wengè is a large, straight tree of Central and West Africa, valued for its hard dark wood

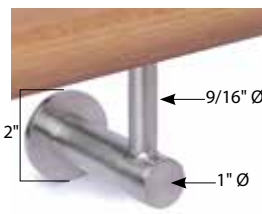
ITEM #	
E692	Wooden handrail 6'5" long
E692/3000	Wooden handrail 10' long

ACCESSORIES



Handrail Support

ITEM #	AISI
E0224	304



Handrail Support

ITEM #	AISI
E4586	304



Handrail Connector

ITEM #	AISI	Dia.
E603	304	1-25/32"



"T" Handrail Connector

ITEM #	AISI	Dia.
E602	304	1-25/32"



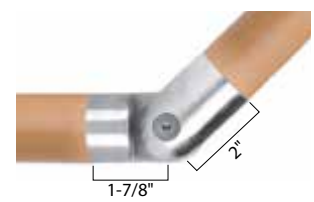
90° Curved Connector

ITEM #	AISI	Dia.
E600	304	1-25/32"



90° Angle Connector

ITEM #	AISI	Dia.
E601	304	1-25/32"



Pivotable Connector

ITEM #	AISI	Dia.
E605	304	1-25/32"



Wall Flange

ITEM #	AISI	Hole Dia.
E6080	304	1-3/4"



Rounded End Cap

ITEM #	AISI	Dia.
E4260	304	1-25/32"



Flat End Cap

ITEM #	AISI	Dia.
E4265	304	1-25/32"

ALL DIMENSIONS ARE APPROXIMATE.

AISI 303/304: Use for interior applications | All items in Satin stainless #4 finish

PRE-ASSEMBLED HANDRAIL



Pre-assembled handrail

ITEM #	AISI	COMPONENTS	LENGTH
E695/1	304	E690, E4265 (2pcs), E4586 (2 pcs)	78-3/4"

Pre-assembled handrail ready to be installed.
Our handrails are made of wood 1 3/4" dia., (6.5 feet) long and protected with a transparent varnish.

The set includes the following:

- 1 wood handrail 1 3/4" dia., (6.5 feet) long
- 2 or 3 screw in nuts M6 DIN 7965
- 2 or 3 handrail supports (E4586 or E0224)
- 2 end caps (E4265 or E4260)

INSTALLATION ACCESSORIES



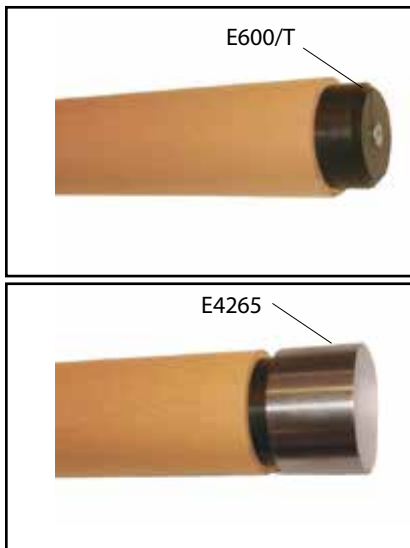
Plastic Support

ITEM #	MATERIAL	DESCRIPTION
E600/T	Plastic	Plastic supports for end caps and fittings (screw included)



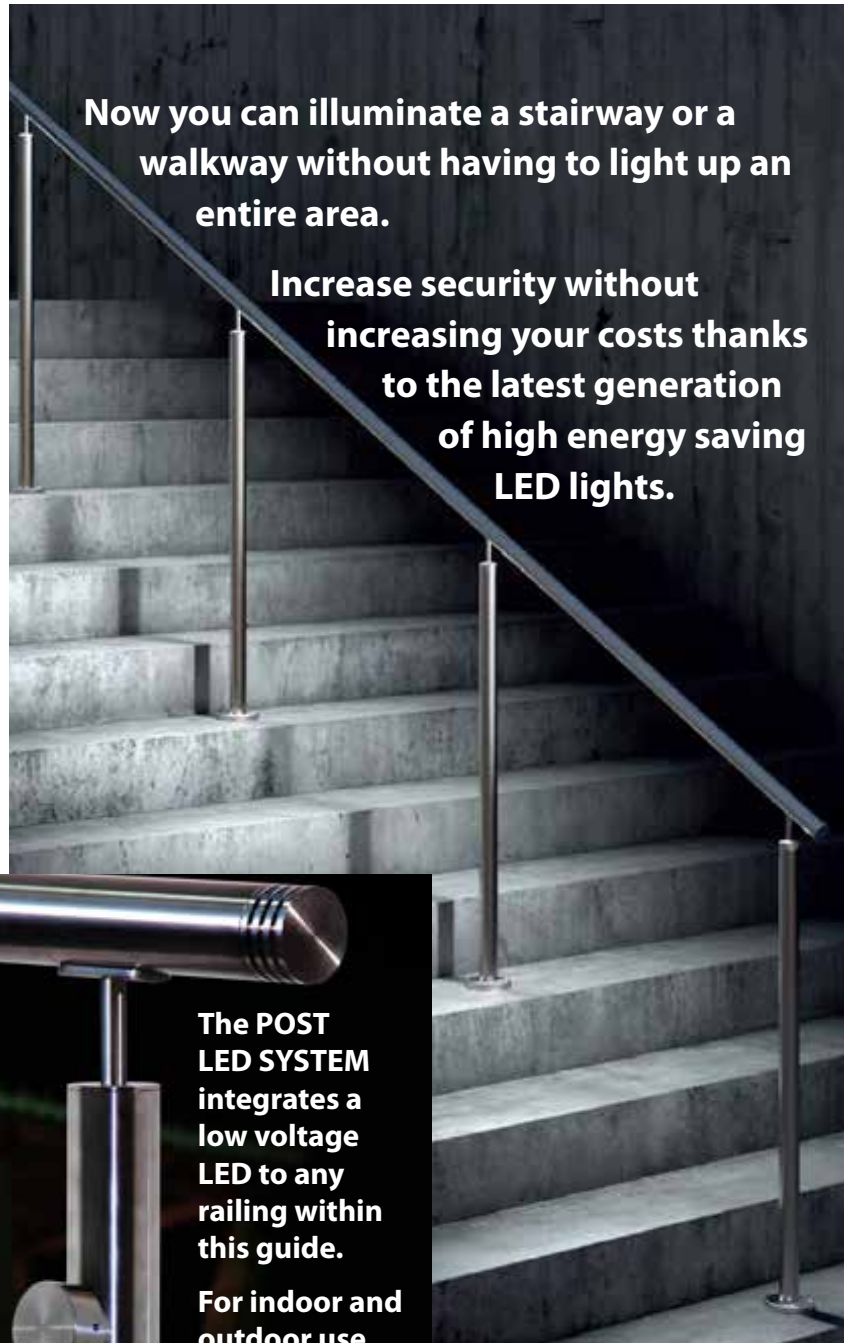
Drill Gauge

ITEM #	MATERIAL	DESCRIPTION
E600/D	Aluminum	Drill-gauge for wooden handrails



ALL DIMENSIONS ARE APPROXIMATE.

STAINLESS STEEL RAILING LED SYSTEM



Now you can illuminate a stairway or a walkway without having to light up an entire area.

Increase security without increasing your costs thanks to the latest generation of high energy saving LED lights.



The POST LED SYSTEM integrates a low voltage LED to any railing within this guide.

For indoor and outdoor use.

IAM_{DESIGN} LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

CONNECTORS



ITEM #
ELED0002

To connect the LED strip to the feeder



ITEM #
ELED0003

To join two LED strips linearly



ITEM #
ELED0004

To join two LED strips by a 5-7/8" flexible cable



ITEM #
ELED0009

To join two LED strips with a 90° elbow



ITEM #
ELED0005

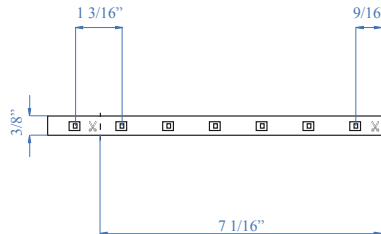
To be used at each installation. Protects the end of the strip not connected

FEEDERS



ITEM #	DIMENSION	INPUT	OUTPUT	POWER
ELED0100	7-15/32" X 2-1/32" X 1-7/16"	100-240VAC 2.2 A 50/60HZ	+24V 4.2 A	100W - Runs up to 88-1/2'
ELED0110	6-3/8" X 1-21/32" X 1-1/4"	100-240VAC 1.2 A 50/60HZ	+24V 2.5 A	60W - Runs up to 52-1/2'
ELED0120	5-13/16" X 1-9/16" X 1-3/16"	100-240VAC 1.1 A 50/60HZ	+24V 1.5 A	35W - Runs up to 29-1/2'
ELED0130	7-1/2" X 1-3/16" X 25/32"	200-240VAC 0.3 A 50/60HZ	+24V .75 A	18W - Runs up to 13'

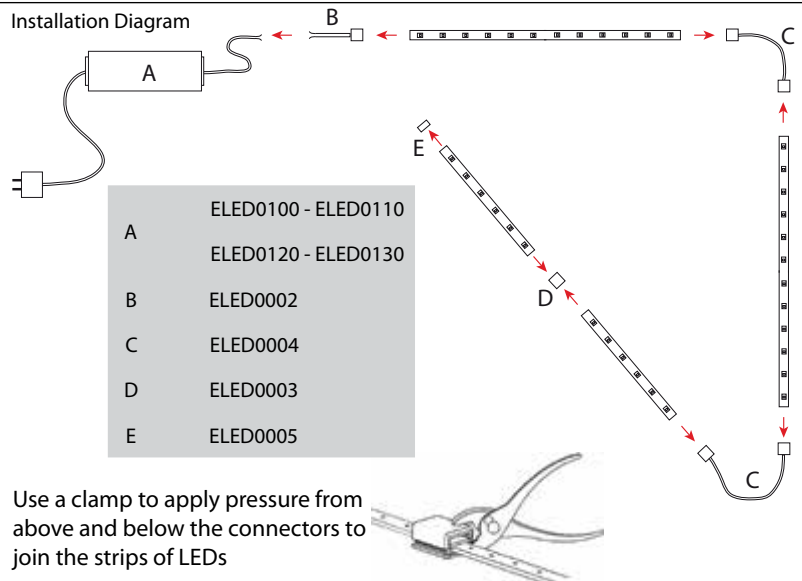
LED STRIP



ITEM #
ELED0020

Revolutionary LED Strip:

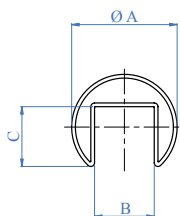
- Totally waterproof underwater
- Ultra-bright (180 lumens)
- Ultra-thin, flexible, easy to install and cut, virtually indestructible
- Every 7-1/16" you'll find marks where you can cut the ribbon.
- Sold by the foot. Maximum length 65'



ALL DIMENSIONS ARE APPROXIMATE.

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

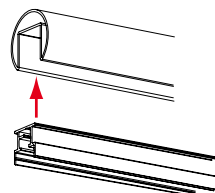
HANDRAIL



ITEM #	AISI	TUBE A	B	C
E1000424	304	1-2/3" dia.	15/16"	15/16"
E1100424	316	1-2/3" dia.	15/16"	15/16"

Steel handrail specifically designed for the LED Railing System.
Sold in 19'8" lengths.

SUPPORTING LED SYSTEM COMPONENTS



ITEM #
ELED0014

Profile to be applied to the slotted tube for the sliding of the LED strips.
78-3/4" long. Supplied white.



ITEM #
ELED0012

Transparent PVC gasket for the LED covering. To be applied to item ELED0014. 6'6-3/4" long.

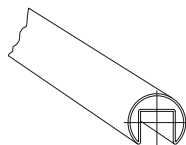


ITEM #
E1999892

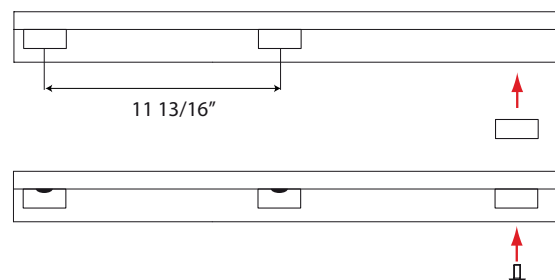
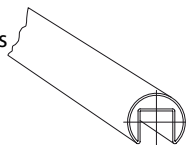
Double sided adhesive tape.
Coil length: 108' 3" long
Dimension: 19/32" - 1/16"

INSTALLATION INSTRUCTIONS

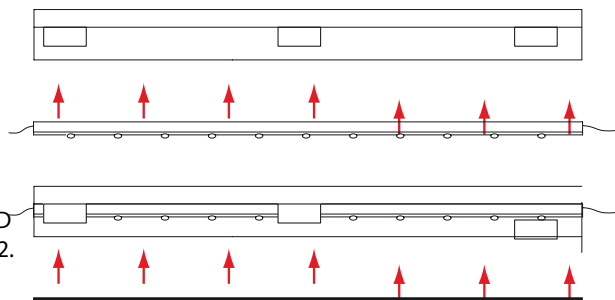
- 1a** Apply the item ELED0014 inside the slotted tube using item E1999892, double sided tape. Place the locking brackets at a maximum distance of 11-13/16".



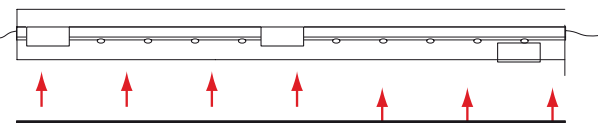
- 1b** For a more secure fixing you can use the M3 screws directly anchored to the slotted handrail. It is recommended that a pre-drilled hole be made before using the M3 screw.



- 2** Apply the LED lights to the bracket with slight pressure.



- 3** Close the profile with the LED transparent gasket ELED0012.



ALL DIMENSIONS ARE APPROXIMATE.

IAM DESIGN LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

POSTS

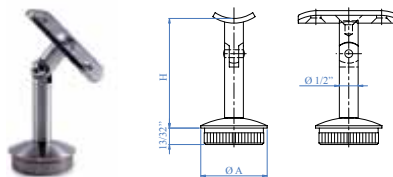
Stainless Steel Newel Post

Satin finish, with grain 240, complete with welded flange.

AISI 304	AISI 316	H
E0042	E0042316	39-3/8"
E0040	E0040316	47-1/4"

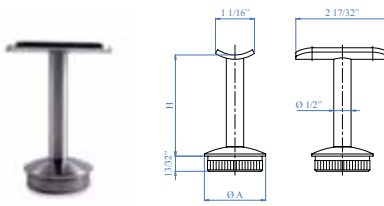


SUPPORT BRACKETS



Pivotable Support Bracket for Round Tubing

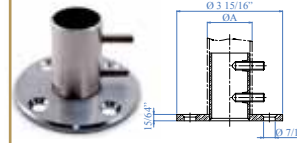
ITEM #	AISI	HANDRAIL
E030/S	303	1-2/3" Ø tube
E030/S316	316	1-2/3" Ø tube



Rigid Support Bracket for Round Tubing

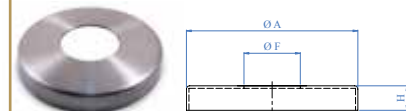
ITEM #	AISI	HANDRAIL
E031/S1	303	1-2/3" Ø tube
E031/S1316	316	1-2/3" Ø tube

FLANGES



Floor Anchorage

ITEM #	AISI
E0213	304
E0213316	316



Stainless Steel Flange Canopy

A: 4-9/64" F: 1-11/16" Ø H: 19/32"

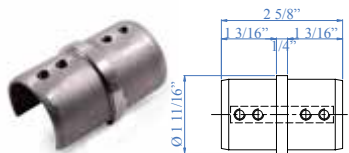
ITEM #	AISI
E020	304
E4072	316

TUBING

Stainless Steel Tubing 1-2/3" Ø x 5/64"

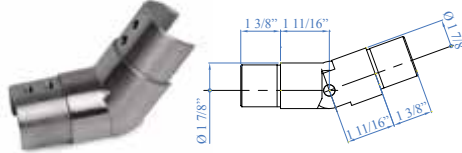
ITEM #	AISI	LENGTH
E001	304	9'10"
E001/6000	304	19'8"
E4801	316	9'10"
E4801/6000	316	19'8"

CONNECTORS



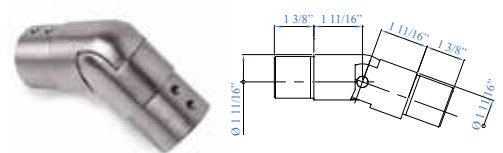
Connector

ITEM #	AISI	FORTUBE
E1200200	304	1-2/3" Ø x 1/16"
E1200100	316	1-2/3" Ø x 1/16"



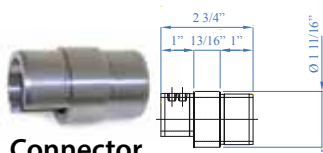
Upward Pivotable Connector, 25-55°

ITEM #	AISI	FORTUBE
E1510100	316	1-2/3" Ø x 1/16"



Downward Pivotable Connector, 25-55°

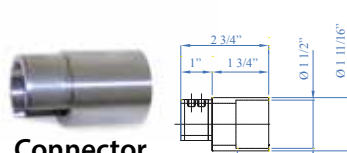
ITEM #	AISI	FORTUBE
E1520100	316	1-2/3" Ø x 1/16"



Connector

ITEM #	AISI
E1200120	316

To join the slotted tube to a normal tube 1-2/3" Ø



Connector

ITEM #	AISI
E1200130	316

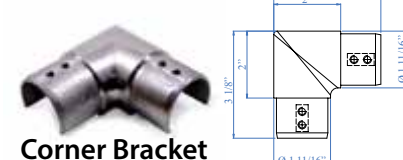
To join the slotted tube to item E450



Stainless Steel Connector Fitting

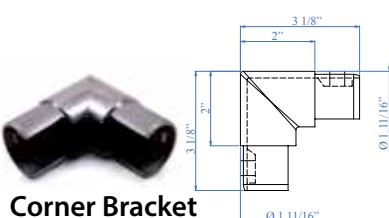
ITEM #	AISI
E455	316

Use with E001 or E4801



Corner Bracket

ITEM #	AISI	FORTUBE
E1400200	304	1-2/3" Ø x 1/16"
E1400100	316	1-2/3" Ø x 1/16"



Corner Bracket

ITEM #	AISI	FORTUBE
E1500200	304	1-2/3" Ø x 1/16"
E1500100	316	1-2/3" Ø x 1/16"



Stainless Steel 90 degree Elbow

ITEM #	AISI	A
E450	316	2-9/16"

Use with E001 or E4801



Stainless Steel 90 degree Elbow

ITEM #	AISI	A
E451	316	2-9/16"

Use with E001 or E4801



Stainless Steel Pivotable Connector Fitting

ITEM #	AISI
E446	316

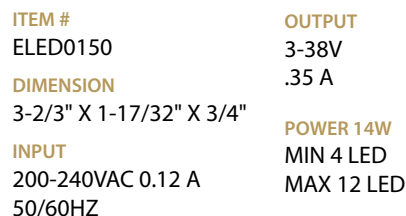
Use with E001 or E4801

ALL DIMENSIONS ARE APPROXIMATE.

POST LIGHTS



FEEDER



Support Bracket for LED Handrail

Support Bracket for LED Handrail

A close-up photograph of a metal railing joint. A vertical metal post is connected to a horizontal rail using a large, dark-colored bolt and a matching nut. The railing has a brushed metal finish. The background shows a wooden ceiling structure.

Cable Lead

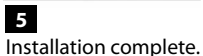
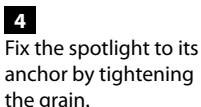
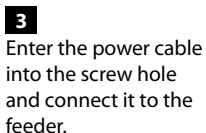
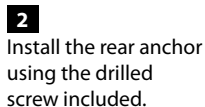
Anchorage for Handrail

END CAPS

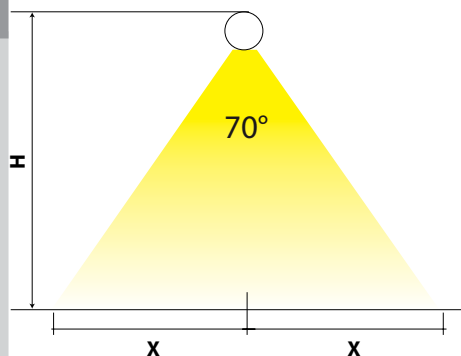


ITEM #	AISI	FORTUPE	ITEM #	AISI
E1100200	304	1-2/3" Ø x 1/16"	E01151	303
E1100100	316	1-2/3" Ø x 1/16"		

1 Drill and thread M8.



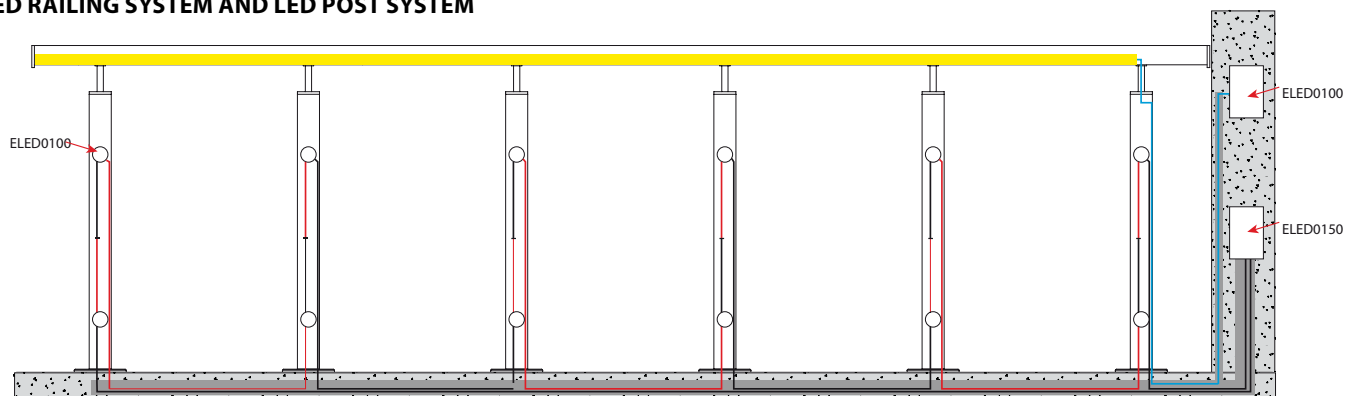
H	X
47 1/4"	33 1/16"
43 1/4"	30 5/16"
39 1/2"	27 9/16"
35 7/16"	24 25/32"
31 1/2"	22 1/16"
27 9/16"	19 9/32"
23 5/8"	16 17/32"
19 11/16"	13 25/32"
5 3/4"	11 1/32"
11 13/16"	8 1/4"
7 7/8"	5 1/2"



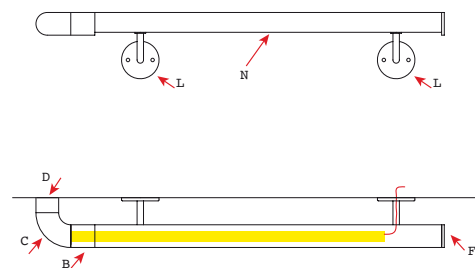
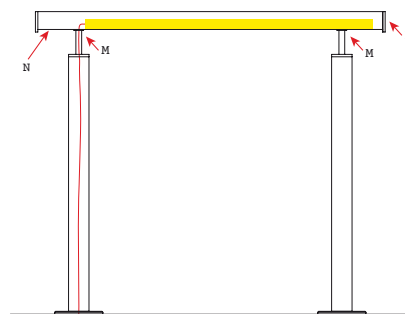
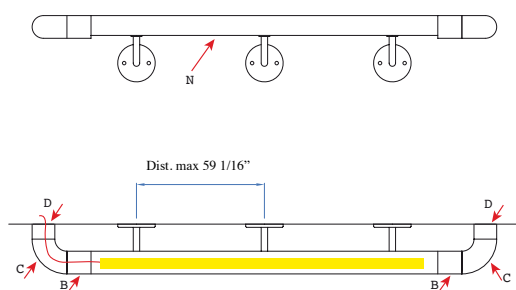
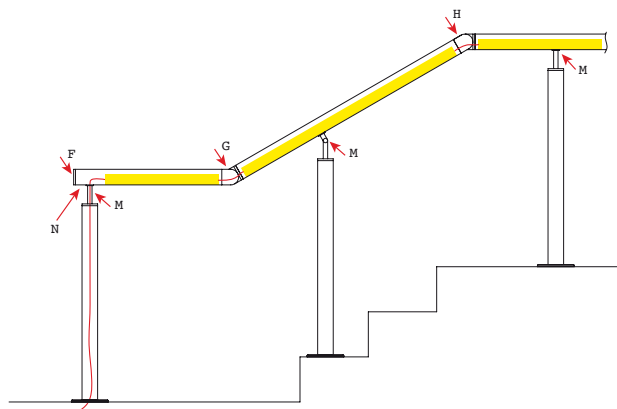
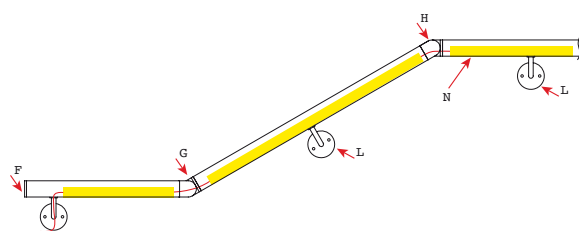
300

IAM_{DESIGN} LED SYSTEM FOR STAINLESS STEEL RAILING

EXAMPLE LED RAILING SYSTEM AND LED POST SYSTEM



EXAMPLES LED RAILING SYSTEM



PART KEY

	ELED0001
A	E1200120
B	E1200130
C	E450
D	E1100120
E	E0213
F	E1100100
G	E1510100
H	E1520100
I	E1200100
L	E1530100
M	E1540100
N	E1000424 - E1100424

1½" & 2" STAINLESS STEEL RAILING SYSTEM

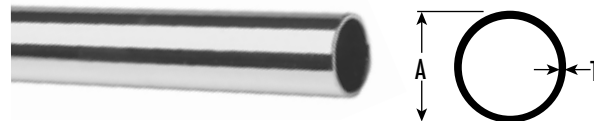
FITTINGS ARE AVAILABLE IN A **304 SS 40-POLISHED** • **304 SS 44-SATIN** • **316 SS 47-POLISHED** • **316 SS 49-SATIN** FINISH

1-1/2" AND 2" TUBING



Satin Stainless Steel Round Tubing

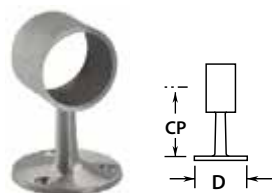
Catalog #	A(in.)	T(in.)	Lb./Ft.	Mill Ft.
44-A110	1-1/2	.050	.832	20
44-A120	2	.050	1.080	20



Polished Stainless Steel Round Tubing

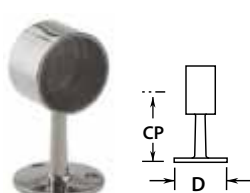
Catalog #	A(in.)	T(in.)	Lb./Ft.	Mill Ft.
40-A110	1-1/2	.050	.832	20
40-A120	2	.050	1.080	20

POST BRACKETS



342 Flush Center Post

ITEM #	TUBING	CP	D
40-342/1-1/2	1-1/2"	2-7/16"	2-5/16"
44-342/1-1/2	1-1/2"	2-7/16"	2-5/16"



340 Flush End Post

ITEM #	TUBING	CP	D
40-340/1-1/2	1-1/2"	2-7/16"	2-5/16"
44-340/1-1/2	1-1/2"	2-7/16"	2-5/16"



348 Low Saddle Post

ITEM #	TUBING	CP	D
49-348/1-1/2	1-1/2"	3-7/8"	3"
49-348/2	2"	3-7/8"	3"



348L Tall Saddle Post

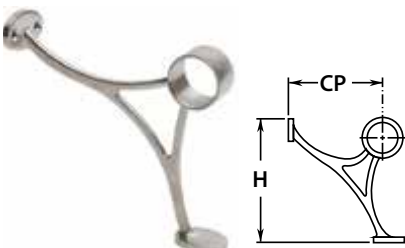
ITEM #	TUBING	CP	D
49-348L/1-1/2	1-1/2"	6-1/8"	3"
49-348L/2	2"	6-1/4"	3"



Steel Sleeve for Round Tubing, 12FT

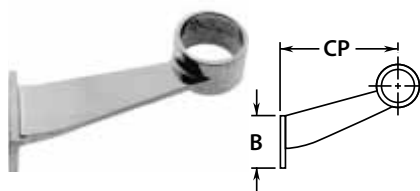
Catalog #	Use with Tubing	Lb./Ft.
20-A110SL	A110	1.328
20-A120SL	A120	1.922

FOOTRAIL BRACKETS



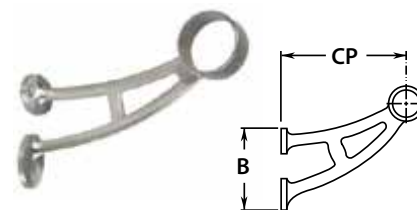
400 Combination Bracket

ITEM #	TUBING	CP	H
40-400/1-1/2	1-1/2"	6-7/16"	6-5/8"
44-400/1-1/2	1-1/2"	6-7/16"	6-5/8"
40-400/2	2"	6-1/8"	7"
44-400/2	2"	6-1/8"	7"



406 Contemporary Bracket

ITEM #	TUBING	CP	B
40-406/2	2"	6-1/16"	2-7/8"
44-406/2	2"	6-1/16"	2-7/8"



402 Bar Mount Bracket

ITEM #	TUBING	CP	B
40-402/1-1/2	1-1/2"	6-1/16"	4"
44-402/1-1/2	1-1/2"	6-1/16"	4"
40-402/2	2"	6-7/8"	4-1/4"
44-402/2	2"	6-7/8"	4-1/4"

* Bar Mount Bracket may be bolted from back side for additional strength.

ALL DIMENSIONS ARE APPROXIMATE.

1½" & 2" STAINLESS STEEL RAILING SYSTEM

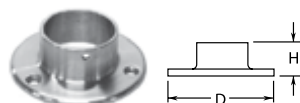
FITTINGS ARE AVAILABLE IN A **304 SS 40-POLISHED** • **304 SS 44-SATIN** • **316 SS 47-POLISHED** • **316 SS 49-SATIN** FINISH

FLANGES AND MOUNTING



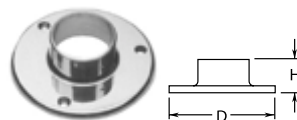
510 Wall Flange

ITEM #	TUBING	D	H
44-510/1-1/2	1-1/2"	3"	1-1/4"



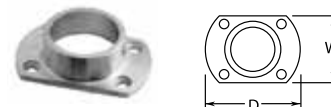
530 Wall Flange

ITEM #	TUBING	D	H
47-530/2	2"	4"	1-1/4"
49-530/2			



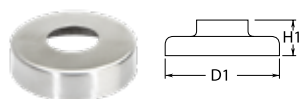
532 Floor Flange

ITEM #	TUBING	D	H
40-532/2	2"	5"	1-3/8"
44-532/2			



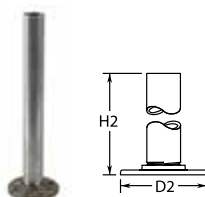
511/531 Cut Flange

ITEM #	TUBING	D	W
40-511/1-1/2	1-1/2"	3"	2"
44-511/1-1/2			
40-531/2	2"	4"	2-1/2"
44-531/2			



540 Canopy

ITEM #	TUBING	D-1	H-1
49-540/1-1/2	1-1/2"	4"	1-1/4"
49-540/2	2"	5"	1-1/2"



541 Steel Flange

ITEM #	TUBING	D-2	H-2
20-541/1-1/2	1-1/2"	3-1/2"	1-3/8"
20-541/2	2"	4-1/2"	1-1/2"



545 Floor Socket w/Cap

ITEM #	TUBING	D	H
40-545/2	2"	4-7/8"	4-1/2"
44-545/2			

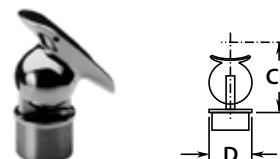


544 Floor Socket w/Cap

ITEM #	TUBING	D	H
40-544/2	2"	2-3/4"	4-1/2"
44-544/2			



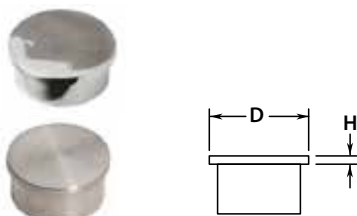
SADDLE



821 Ball Adjustable Saddle

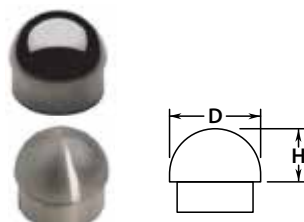
ITEM #	TUBING	D	CP
40-821/2	2"	2"	2-7/8"
44-821/2	2"	2"	2-7/8"

END CAPS



600* Flush End Cap

ITEM #	TUBING	D	H
40-600/1-1/2	1-1/2"	1-1/2"	1/8"
44-600/1-1/2			
40-600/2	2"	2"	1/8"
44-600/2			



602 Half Ball End Cap

ITEM #	TUBING	D	H
40-602/1-1/2	1-1/2"	1-1/2"	3/4"
44-602/1-1/2			
40-602/2	2"	2"	1"
44-602/2			



608 Wall Return

ITEM #	TUBING	W	H
40-608/1-1/2	1-1/2"	3"	2-3/4"
44-608/1-1/2			
40-608/2	2"	3-1/4"	3"
44-608/2			

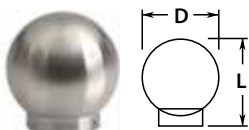
* Use with .050 tubing only.

ALL DIMENSIONS ARE APPROXIMATE.

1½" & 2" STAINLESS STEEL RAILING SYSTEM

FITTINGS ARE AVAILABLE IN A 304 SS 40-POLISHED • 304 SS 44-SATIN • 316 SS 47-POLISHED • 316 SS 49-SATIN FINISH

BALL FITTINGS



700 Ball Single Outlet

ITEM #	TUBING	D	L
40-700/1-1/2	1-1/2"	2-1/2"	2-3/4"
44-700/1-1/2			
40-700/2	2"	3-1/4"	3-3/8"
44-700/2			



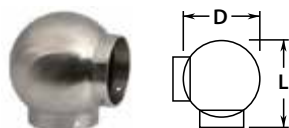
705 Ball Side Outlet Tee

ITEM #	TUBING	D	L
40-705/1-1/2	1-1/2"	2-1/2"	2-3/4"
44-705/1-1/2			
40-705/2	2"	3-1/4"	3-3/8"
44-705/2			



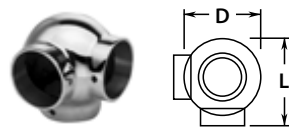
706 Ball Cross

ITEM #	TUBING	D	L
40-706/1-1/2	1-1/2"	2-1/2"	3"
44-706/1-1/2			
40-706/2	2"	3-1/4"	3-1/2"
44-706/2			



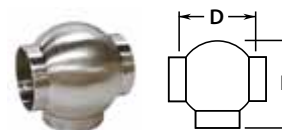
702 Ball Ell

ITEM #	TUBING	D	L
40-702/1-1/2	1-1/2"	2-1/2"	2-3/4"
44-702/1-1/2			
40-702/2	2"	3-1/4"	3-1/4"
44-702/2			



703 Ball Side Outlet Ell

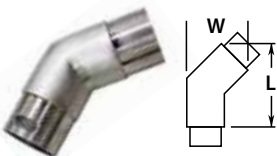
ITEM #	TUBING	D	L
40-703/1-1/2	1-1/2"	2-1/2"	2-3/4"
44-703/1-1/2			
40-703/2	2"	3-1/4"	3-5/8"
44-703/2			



704 Ball Tee

ITEM #	TUBING	D	L
40-704/1-1/2	1-1/2"	2-1/2"	2-3/4"
44-704/1-1/2			
40-704/2	2"	3-1/4"	3-3/8"
44-704/2			

FLUSH FITTINGS



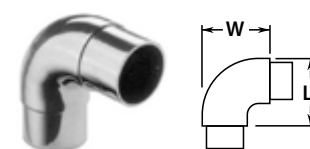
730 Flush 135° Angle

ITEM #	TUBING	W	L
40-730/1-1/2	1-1/2"	2-15/16"	3"
44-730/1-1/2			
40-730/2	2"	2-7/8"	3-3/8"
44-730/2			



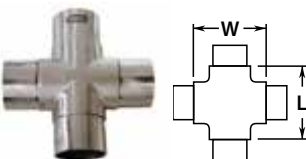
730A Flush 147° Angle

ITEM #	TUBING	W	L
40-730A/1-1/2	1-1/2"	2-1/4"	3-1/4"
44-730A/1-1/2			



731 Flush Radius Ell

ITEM #	TUBING	W	L
40-731/1-1/2	1-1/2"	2-7/8"	2-7/8"
44-731/1-1/2			
40-731/2	2"	3"	3"
44-731/2			



736 Flush Cross

ITEM #	TUBING	W	L
40-736/1-1/2	1-1/2"	3"	3"
44-736/1-1/2			
40-736/2	2"	3"	3"
44-736/2			



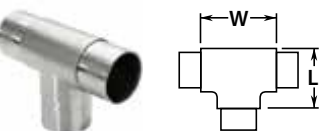
732 Flush Ell

ITEM #	TUBING	W	L
40-732/1-1/2	1-1/2"	2"	2"
44-732/1-1/2			
40-732/2	2"	2-1/2"	2-1/2"
44-732/2			



733 Flush Side Outlet Ell

ITEM #	TUBING	W	L
40-733/1-1/2	1-1/2"	2-1/4"	2"
44-733/1-1/2			
40-733/2	2"	2-1/2"	2-1/4"
44-733/2			



734

Flush Tee

ITEM #
40-734/1-1/2
44-734/1-1/2

TUBING	W	L
1-1/2"	3"	2-1/4"

ITEM #
40-734/2
44-734/2

TUBING	W	L
2"	3"	2-1/2"

ALL DIMENSIONS ARE APPROXIMATE.

GLASS MOUNT HANDRAIL BRACKETS



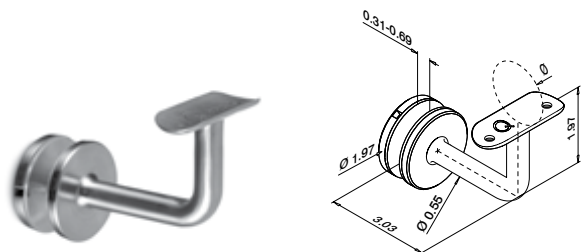
304 Glass Mount Handrail Bracket

ITEM #	TUBING	CP	D
40-304/1-1/2	1-1/2"	2-5/8"	2-1/2"
44-304/1-1/2	1-1/2"	2-5/8"	2-1/2"
40-304/2	2"	2-5/8"	2-1/2"
44-304/2	2"	2-5/8"	2-1/2"



308GM Glass Mount Rail Bracket

ITEM #	TUBING	CP	D
49-308GM/1-1/2	1-1/2"	2-7/8"	3"
49-308GM/2	2"	2-7/8"	3"

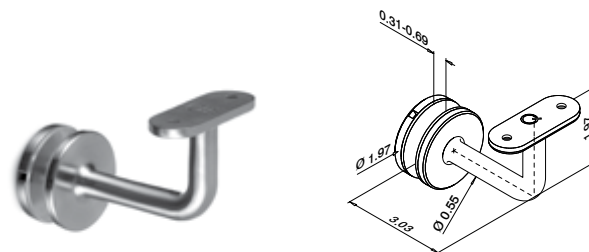


Glass Mount Handrail Bracket for Round Tube

ITEM	AISI	GLASS	FITS
13.0117.038.12	304	5/16"-11/16"	1-1/2" Tube
13.0117.048.12	304	5/16"-11/16"	1.9" Tube
14.0117.038.12	316	5/16"-11/16"	1-1/2" Tube
14.0117.048.12	316	5/16"-11/16"	1.9" Tube

Screws to mount tubing to bracket (50/BOX)

94.0511.516.14

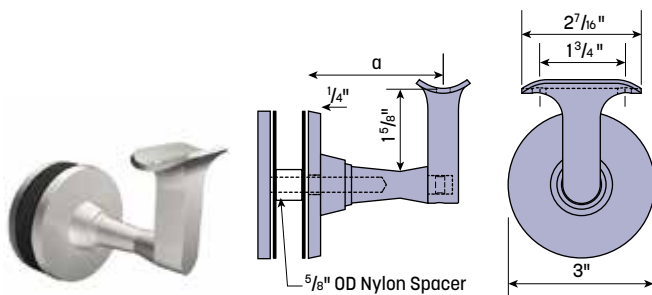


Glass Mount Handrail Bracket for Square Tube

ITEM	AISI	GLASS
13.0117.000.12	304	5/16"-11/16"
14.0117.000.12	316	5/16"-11/16"

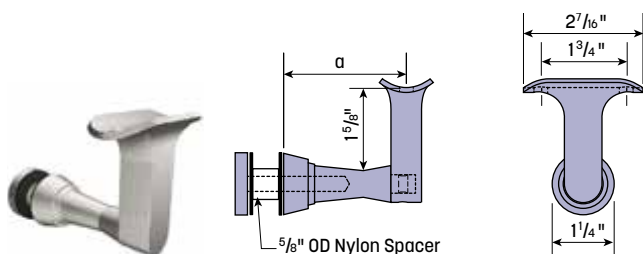
Screws to mount tubing to bracket (50/BOX)

94.0670.520.14



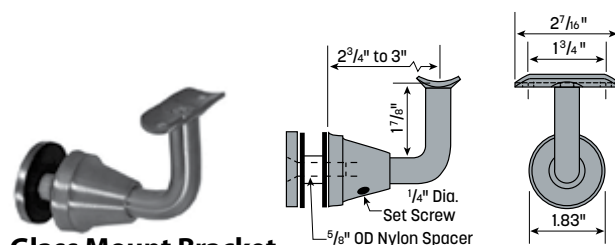
Glass Mount Bracket

ITEM	A	AISI	GLASS
GB3250	2-3/4"	316	1/2" - 3/4"
GB3300	3-1/2"	316	1/2" - 3/4"



Glass Mount Handrail Bracket

ITEM	A	AISI	GLASS
GB3270	2-1/2"	316	1/2" - 3/4"
GB3370	3-1/4"	316	1/2" - 3/4"



Glass Mount Bracket

Bracket arm is provided to allow 2-3/4" to 3" to center of Handrail. Cut as needed for shorter centerline projections.

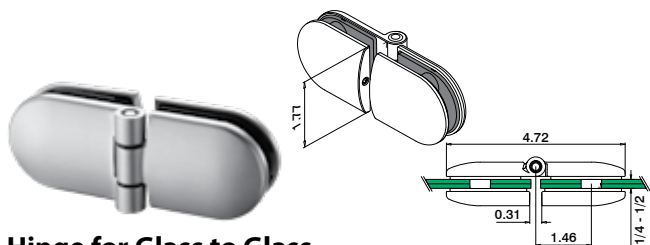
ITEM	AISI	GLASS
GB4387	304	1/2"

ALL DIMENSIONS ARE APPROXIMATE.

Q-railing HINGES & LOCKS FOR GLASS

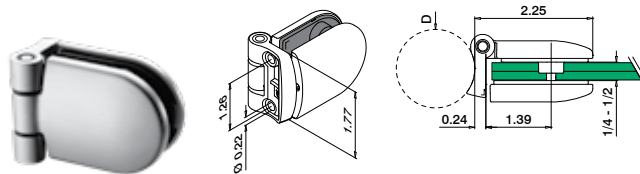
AISI 303/304: Use for interior applications | AISI316: Use for exterior applications | All items in Satin stainless #4 finish

HINGES



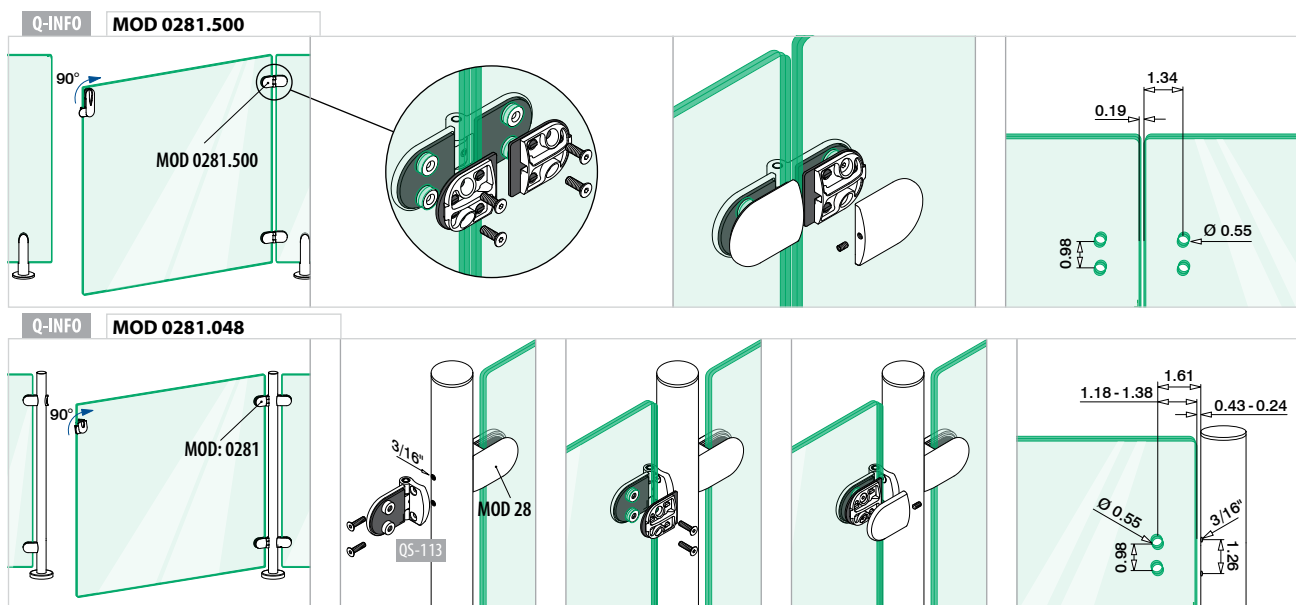
Hinge for Glass to Glass

ITEM	AISI	GLASS	Sold 2/box
14.0281.500.12	316	1/4"-1/2"	

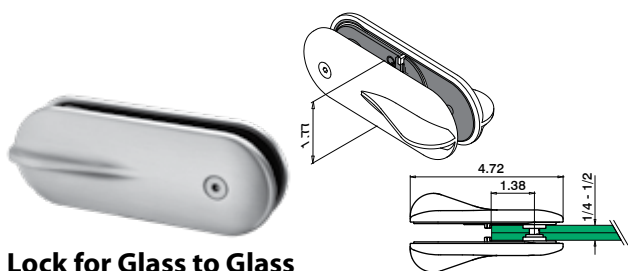


Hinge for Post to Glass

ITEM	AISI	GLASS	FITS	Sold 2/box
14.0281.048.12	316	1/4"-1/2"	1.9" Ø Tube	

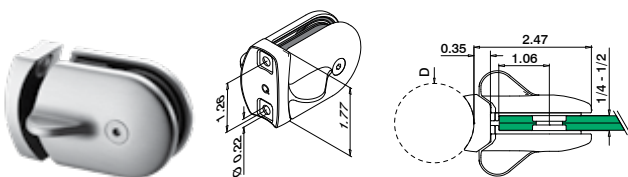
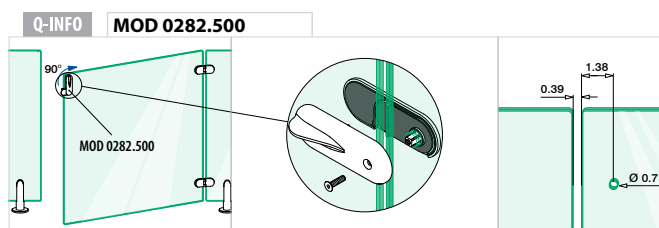


LOCKS



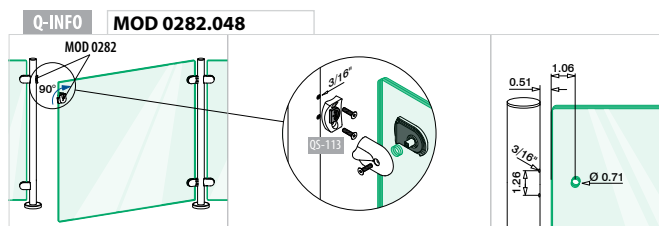
Lock for Glass to Glass

ITEM	AISI	GLASS	Sold 1/box
14.0282.500.12	316	1/4"-1/2"	



Lock for Post to Glass

ITEM	AISI	GLASS	FITS	Sold 1/box
14.0282.048.12	316	1/4"-1/2"	1.9" Ø Tube	



ALL DIMENSIONS ARE APPROXIMATE.

STAINLESS STEEL MAINTENANCE ACCESSORIES

PRIMER AND ADHESIVE



LB-00211 Loctite Metal Primer, .88 oz

Loctite Primer is recommended for a faster cure time when bonding stainless steel components.



19.1331.000.00 Q-glue®

Stainless steel high strength fixative. Consumption per bonding ca. 0.034 fl. oz.



LB-00201 Loctite Metal Adhesive, 1.10 oz

A strong structural adhesive for joining metal components. Originally designed to work specifically with brass components, this adhesive provides a cohesive bond within minutes. When working with stainless steel, expect a longer cure-time, anywhere from a few hours to overnight. If a faster cure-time is desired, use the Loctite 7649 Primer to bond stainless steel components in minutes. Loctite Metal Adhesive will simplify your project assembly while achieving a professional look.

CLEANERS AND POLISHES



19.0601.000.00 Q-cleaner

Stainless steel anti-static cleaning spray, concentrated, without propellant



19.0610.000.00 Q-ultra-clean

Chemical stainless steel cleaner to remove heavy dirt and rust stains. Q-ultra-clean rebuilds/strengthens the passive layer of the stainless steel.



LB-00202 Lavi Metal Polish

For use with mirror-finished surfaces. Developed especially for high-shine or polished finishes.

Lavi Metal Polish instantly removes years of residue, rust, tarnish and oxidation from all polished-finish metals. Lavi Metal Polish applies a superstrong anti-tarnish corrosion inhibitor and imparts a long-lasting protective shine to all your metal surfaces. While it works on all metals, it is best-suited for a high-shine or polished finish. This polish is designed to remove scratches and may alter the appearance of a satin-finished or brushed metal product.

- Use on polished brass and polished stainless steel
- Easy, just wipe-on & wipe-off
- Cleans, polishes and protects
- Anti-tarnish protection
- Fresh lavender scent

PROTECTORS AND SEALERS



19.0602.000.00 Q-protector

Protection spray for stainless steel and aluminum.



Ever Clear is a clear, air drying two part urethane coating designed to provide the best and strongest protection for most surfaces and finishes. See page 338 for more information.

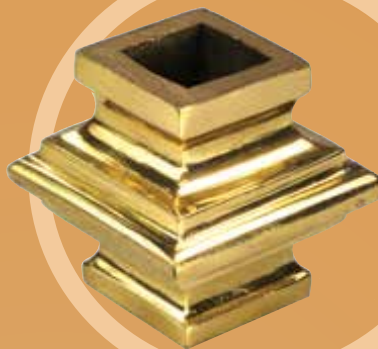


Clear Guard is a clear, durable, air drying lacquer that results in a hard, fast drying, and tarnish resistant film. See page 337 for more information.

SSB Presto Black for Stainless Steel

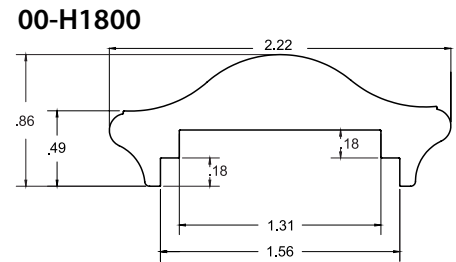
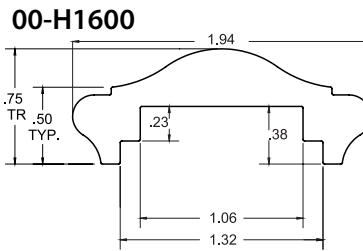
This patina can be used to blacken/darken stainless steel handrail, fittings and cable rail infill. See page 332 for more information.

BRASS RAILINGS



- 310** Brass Railing System
- 311** Ready-to-Install Brass Handrail
- 312** Tubing Sleeves & Extrusions
- 313** Handrail Brackets & Post Brackets
- 314** Footrail & Armrail Brackets
- 315** Flanges & Mounting
- 316** Endcaps, Finials & Accessories
- 317** Ball Fittings
- 318** Flush Fittings
- 319** Brass Glass Clips
- 320** Brass Railing Ornaments

BRASS RAILING SYSTEM



Solid Brass Handrail Cap Extrusion. Alloy C38500

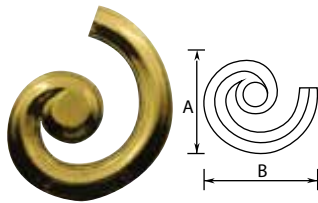
Catalog #	in.	Lb./Ft.	Mill Ft.
00-H1600	2	2.306	20
00-H1800	2-1/4	2.681	16

*Supplied mirror polished. Buff down to satin or mill finish.
Matching Fittings available for 00-H1600 and 00-H1800



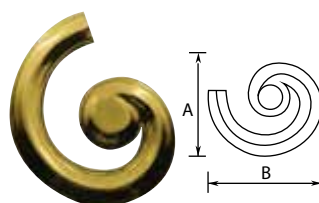
CJ Cover Joint

ITEM #
00-H1600CJ
00-H1800CJ



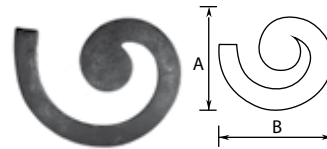
SL Left Lateral Scroll

ITEM #	A	B
00-H1600SL	8-1/2"	10-3/4"
00-H1800SL	9"	11-1/4"



SR Right Lateral Scroll

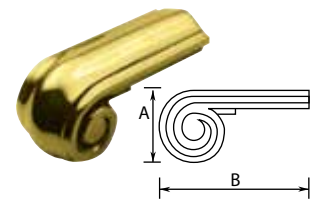
ITEM #	A	B
00-H1600SR	8-1/2"	10-3/4"
00-H1800SR	9"	11-1/4"



CH Solid Lateral Scroll*

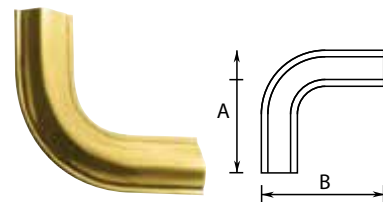
ITEM #	A	B
00-H1600CH	8"	10-1/8"
00-H1800CH	8-1/2"	10-1/2"

*For use under brass lateral scrolls.
Malleable iron.
Works with both left and right scrolls.



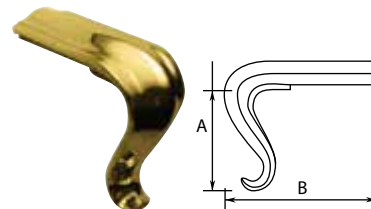
SE Volute

ITEM #	A	B
00-H1600SE	2-1/2"	5-1/4"
00-H1800SE		



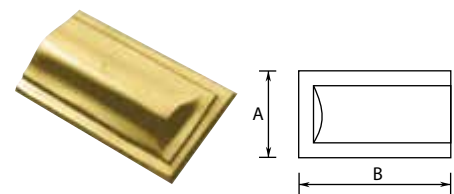
CB Corner Bend

ITEM #	A	B
00-H1600CB	5-3/4"	5-3/4"
00-H1800CB		



LT Lambs Tongue

ITEM #	A	B
00-H1600LT	4-1/2"	5-1/4"
00-H1800LT		



E Square Terminal End

ITEM #	A	B
00-H1600E	2"	3-5/8"
00-H1800E	2-1/4"	3-5/8"



TBL2

TBL6

TBL7

TBL3

TBL9

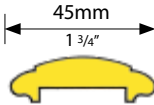
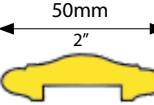
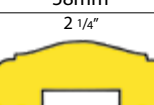
TBL10

TBL54

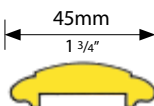
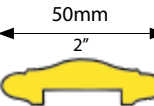
ALL DIMENSIONS ARE APPROXIMATE.

READY-TO-INSTALL BRASS HANDRAIL

This brass handrail by Grande Forge comes ready to install. It is available in three profiles ranging in width from 1-3/4" to 2-1/4" and four common handrail lengths. Choose from a volute or square terminal end.

Handrail Profile	Item Number	Length
	MC-L1-45-1000	39-3/8" (1000mm)
	MC-L1-45-1500	58-5/8" (1500mm)
	MC-L1-45-2000	78" (2000mm)
	MC-L1-45-3000	9'10" (3000mm)
	MC-L1-50-1000	39-3/8" (1000mm)
	MC-L1-50-1500	58-5/8" (1500mm)
	MC-L1-50-2000	78" (2000mm)
	MC-L1-50-3000	9'10" (3000mm)
	MC-L1-60-1000	39-3/8" (1000mm)
	MC-L1-60-1500	58-5/8" (1500mm)
	MC-L1-60-2000	78" (2000mm)
	MC-L1-60-3000	9'10" (3000mm)



Handrail Profile	Item Number	Length
	MC-L2-45-1000	39-3/8" (1000mm)
	MC-L2-45-1500	58-5/8" (1500mm)
	MC-L2-45-2000	78" (2000mm)
	MC-L2-45-3000	9'10" (3000mm)
	MC-L2-50-1000	39-3/8" (1000mm)
	MC-L2-50-1500	58-5/8" (1500mm)
	MC-L2-50-2000	78" (2000mm)
	MC-L2-50-3000	9'10" (3000mm)
	MC-L2-60-1000	39-3/8" (1000mm)
	MC-L2-60-1500	58-5/8" (1500mm)
	MC-L2-60-2000	78" (2000mm)
	MC-L2-60-3000	9'10" (3000mm)

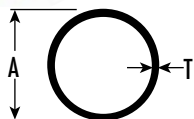


ALL DIMENSIONS ARE APPROXIMATE.

TUBING, SLEEVES AND EXTRUSIONS



Solid Brass Round Tubing



Catalog #	A(in.)	T(in.)	Lb./Ft.	Mill Ft.
00-A100	1	.050	.541	12
00-A110	1-1/2	.050	.832	16
00-A120	2	.050	1.080	16

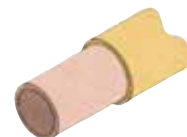
Polished finish.

The 1-1/2" and 2" tubing is stocked in 16 foot lengths.

Other sizes are available in 4 foot increments up to 16 feet.

Please note that the 1" brass tubing is NOT STOCKED, but available in 4ft, 8ft, 12ft and 16ft lengths.

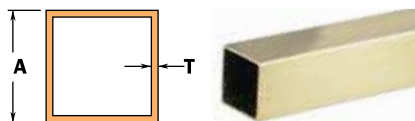
Steel Sleeve for Round Tubing



Catalog #	Use with Tubing	Lb./Ft.	Mill Ft.
20-A100SL	A100	.563	12
20-A110SL	A110	1.328	12
20-A120SL	A120	1.922	12

Also available. Please call with your requirements.

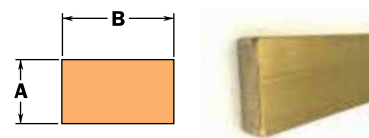
Brass Square Tubing



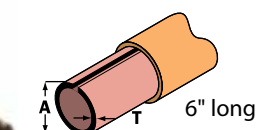
Brass Rod



Brass Bar

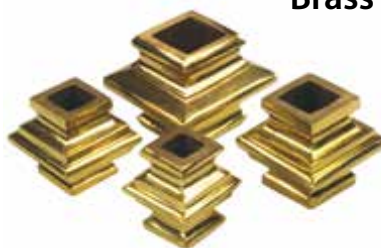


Splice for Round Tubing



ITEM #	A	T
00-830/1	1"	.050
00-830/1-1/2	1-1/2"	.050
00-830/2	2"	.050

Brass Collars



- 683BR** - 2" x 1-3/4", fits over 1/2" sq.
- 683H-BR** - 2" x 1-7/8", fits over 5/8" sq.
- 683Y-BR** - 2" x 2", fits over 3/4" sq.
- 683Z-BR** - 2-1/2" x 2-1/2", fits over 1" sq.

LB-00202

Lavi Metal Polish



For use with mirror-finished surfaces. Developed especially for high-shine or polished finishes.

Lavi Metal Polish instantly removes years of residue, rust, tarnish and oxidation from all polished-finish metals. Lavi Metal Polish applies a superstrong anti-tarnish corrosion inhibitor and imparts a long-lasting protective shine to all your metal surfaces. While it works on all metals, it is best-suited for a high-shine or polished finish. This polish is designed to remove scratches and may alter the appearance of a satin-finished or brushed metal product.

- Use on polished brass and polished stainless steel
- Easy, just wipe-on & wipe-off
- Cleans, polishes and protects
- Anti-tarnish protection
- Fresh lavender scent

LB-00201

Loctite Metal Adhesive, 1.10 oz



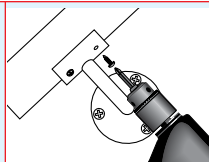
A strong structural adhesive for joining metal components. Originally designed to work specifically with brass components, this adhesive provides a cohesive bond within minutes. When working with stainless steel, expect a longer cure-time, anywhere from a few hours to overnight. If a faster cure-time is desired, use the Loctite 7649 Primer to bond stainless steel components in minutes. Loctite Metal Adhesive will simplify your project assembly while achieving a professional look.

ALL DIMENSIONS ARE APPROXIMATE.

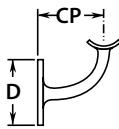
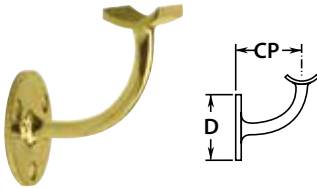
HANDRAIL BRACKETS AND POST BRACKETS

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.



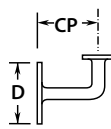
FITTINGS ARE SUPPLIED
WITH SELF-DRILLING /
SELF-TAPPING
HARDWARE



301 Standard Handrail Bracket

ITEM #	TUBING	CP	D
00-301/1-1/2	1-1/2"	2-1/2"	2-1/2"
00-301/2	2"	2-3/4"	2-1/2"

* 301 available with concealed mount.



310 Flat Handrail Bracket

ITEM #	CP	D
00-310	2-1/2"	2-3/8"

Steel Handrail Bracket with Polished & Lacquered Brass Rosette



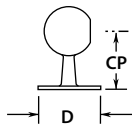
SML31

Backplate: 2-15/16" dia.
Bracket Arm: 5/8"
Clearance from wall: 3-3/8"



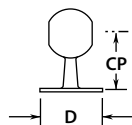
SML32

Backplate: 3-1/2" dia.
Bracket Arm: 9/16"
Clearance from wall: 3-3/8"



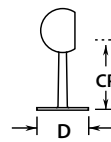
330 Ball End Post

ITEM #	TUBING	CP	D
00-330/1	1"	2-3/4"	2-1/4"
00-330/1-1/2	1-1/2"	2-3/4"	2-15/16"
00-330/2	2"	3"	3-3/8"



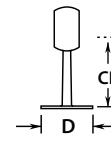
332 Ball Center Post

ITEM #	TUBING	CP	D
00-332/1	1"	2-3/4"	2-1/4"
00-332/1-1/2	1-1/2"	2-3/4"	2-15/16"
00-332/2	2"	3"	3-3/8"



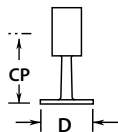
334 Ball End Post – 6" High

ITEM #	TUBING	CP	D
00-334/2	2"	5"	3-1/4"



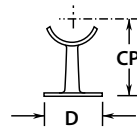
336 Ball Center Post – 6" High

ITEM #	TUBING	CP	D
00-336/2	2"	5"	3-1/4"



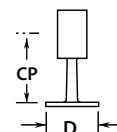
340 Flush End Post

ITEM #	TUBING	CP	D
00-340/1	1"	2-1/8"	1-3/4"
00-340/1-1/2	1-1/2"	2-7/16"	2-5/16"
00-340/2	2"	3-1/4"	2-1/2"



341 Saddle Post

ITEM #	TUBING	CP	D
00-341/1-1/2	1-1/2"	2-1/2"	2-1/4"



342 Flush Center Post

ITEM #	TUBING	CP	D
00-342/1	1"	2-1/8"	1-3/4"
00-342/1-1/2	1-1/2"	2-7/16"	2-5/16"
00-342/2	2"	3-1/4"	2-1/2"

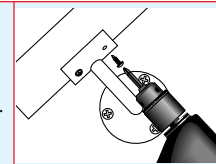
ALL DIMENSIONS ARE APPROXIMATE.

FOOTRAIL BRACKETS AND ARMRAIL BRACKETS

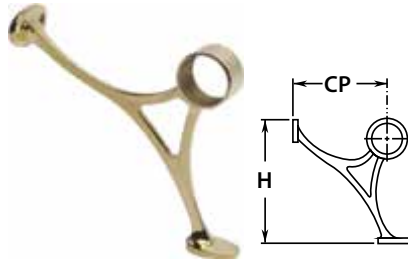
Footrails are traditional where bar-height seating is utilized. When heavy use is anticipated, steel inserts provide added strength (A110SL or A120SL). 4-foot spacing between brackets is recommended.

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.

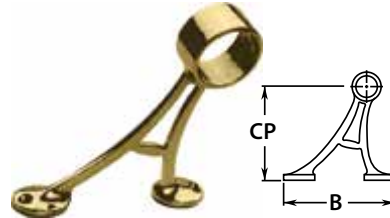


FITTINGS ARE SUPPLIED WITH SELF-DRILLING / SELF-TAPPING HARDWARE



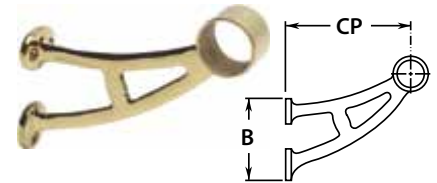
400 Combination Bracket

ITEM #	TUBING	CP	H
00-400/1-1/2	1-1/2"	6-7/16"	6-5/8"
00-400/2	2"	6-1/8"	7"



404 Floor Bracket

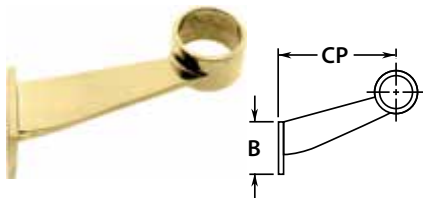
ITEM #	TUBING	CP	B
00-404/1-1/2	1-1/2"	6"	6-5/16"
00-404/2	2"	6-1/8"	6-11/16"



402 Bar Mount Bracket

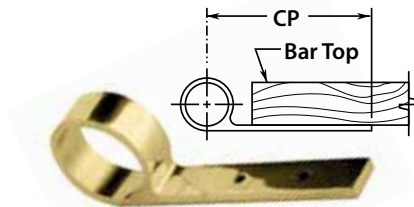
ITEM #	TUBING	CP	B
00-402/1-1/2	1-1/2"	6-1/16"	4"
00-402/2	2"	6-7/8"	4-1/4"

* Bar Mount Bracket may be bolted from back side for additional strength.



406 Contemporary Bracket

ITEM #	TUBING	CP	B
00-406/2	2"	6-1/16"	2-7/8"



450 Bar Armrail Bracket

ITEM #	TUBING	CP
00-450/1-1/2	1-1/2"	5-3/4"
00-450/2	2"	5-9/16"



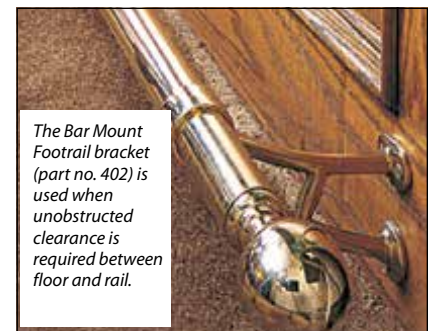
584 Elephant Footrail Bracket

ITEM #	TUBING	LENGTH	HEIGHT
584	2"	4-3/4"	3-1/2"



582 Griffin Footrail Bracket

ITEM #	TUBING	BASE	HEIGHT
582	2"	6-3/4"	9-1/4"



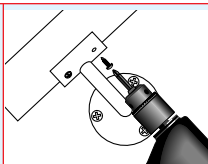
The Bar Mount Footrail bracket (part no. 402) is used when unobstructed clearance is required between floor and rail.

ALL DIMENSIONS ARE APPROXIMATE.

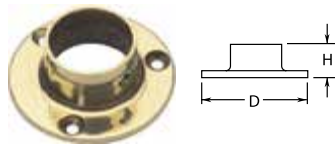
FLANGES AND MOUNTING

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.

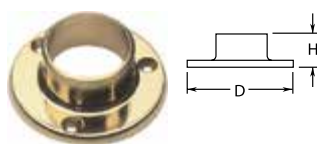


FITTINGS ARE SUPPLIED
WITH SELF-DRILLING /
SELF-TAPPING
HARDWARE



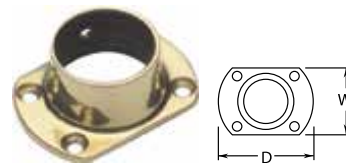
500 Wall Flange

ITEM #	TUBING	D	H
00-500/1	1"	2"	7/8"



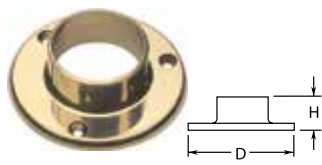
510 Wall Flange

ITEM #	TUBING	D	H
00-510/1-1/2	1-1/2"	3"	1-1/4"



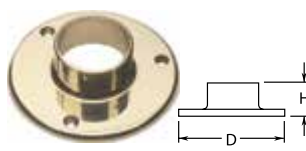
511/531 Cut Flange

ITEM #	TUBING	D	W
00-511/1-1/2	1-1/2"	3"	2"
00-531/2	2"	4"	2-1/2"



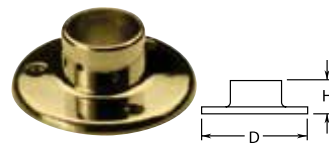
530 Wall Flange

ITEM #	TUBING	D	H
00-530/2	2"	4"	1-1/4"



532 Floor Flange

ITEM #	TUBING	D	H
00-532/2 2"	2"	5"	1-3/8"



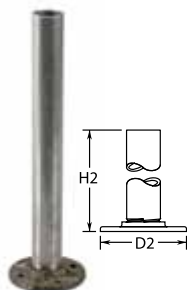
512 Floor Flange

ITEM #	TUBING	D	H
00-512/1-1/2	1-1/2"	4"	1-1/4"



540 Canopy

ITEM #	TUBING	D-1	H-1
00-540/1-1/2	1-1/2"	4"	1"
00-540/2	2"	5"	1"

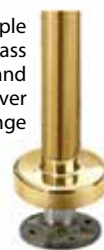


541 Steel Flange*

ITEM #	TUBING	D-2	H-2
20-541/1-1/2	1-1/2"	3-1/2"	1-3/8"
20-541/2	2"	4-1/2"	1-1/2"

*Use with 540 Canopy

Example
showing brass
tubing and
canopy over
steel flange



545 Floor Socket w/Cap

ITEM #	TUBING	D	H
00-545/2	2"	4-7/8"	4-1/2"

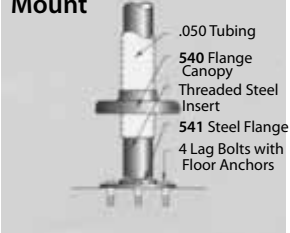
Mounting Solutions

Choose from our complete line of flanges
for various mounting solutions.

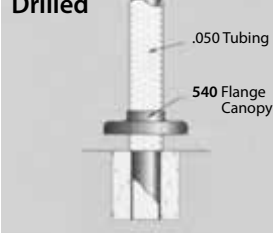
Surface Mount



Surface Mount



Core Drilled

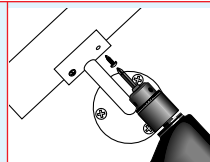


ALL DIMENSIONS ARE APPROXIMATE.

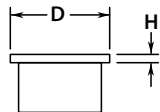
END CAPS, FINIALS AND ACCESSORIES

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.



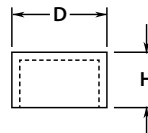
FITTINGS ARE SUPPLIED
WITH SELF-DRILLING /
SELF-TAPPING
HARDWARE



600* Flush End Cap

ITEM #	TUBING	D	H
00-600/1	1"	1"	1/8"
00-600/1-1/2	1-1/2"	1-1/2"	1/8"
00-600/2	2"	2"	1/8"

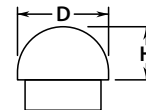
* Use with .050 tubing only.



600W* Outer End Cap

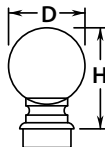
ITEM #	TUBING	D	H
00-600W/2	2"	2-1/8"	7/8"

* Ideal for use with wood rail.



602 Half Ball End Cap

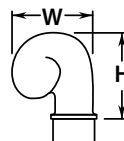
ITEM #	TUBING	D	H
00-602/1	1"	1"	1/2"
00-602/1-1/2	1-1/2"	1-1/2"	3/4"
00-602/2	2"	2"	1"



604 Ball Finial

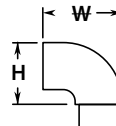
ITEM #	TUBING	D	H
00-604/1	1"	1-1/2"	2"
00-604/1-1/2	1-1/2"	2-5/8"	3-1/4"
00-604/2	2"	3-1/8"	4-1/2"

* Use with .050 tubing only.



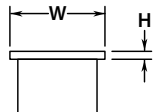
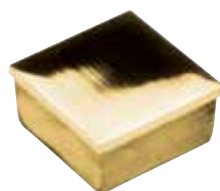
606 Scroll Finial

ITEM #	TUBING	W	H
00-606/1-1/2"	1-1/2"	2-3/4"	2-7/8"
00-606/2	2"	3-1/4"	2-1/2"



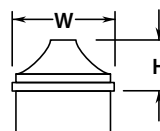
608 Wall Return

ITEM #	TUBING	W	H
00-608/1-1/2	1-1/2"	3"	2-3/4"
00-608/2	2"	3-1/4"	3"



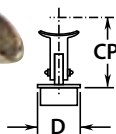
650 Flat Square End Cap

ITEM #	TUBING	W	H
00-650/2	2"	2"	1/4"



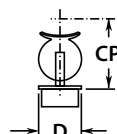
652 Conical Square End Cap

ITEM #	TUBING	W	H
00-652/1-1/2	1-1/2"	1-1/2"	3/4"
00-652/2	2"	2"	3/4"



820 Adjustable Saddle

ITEM #	TUBING	D	CP
00-820/1-1/2	1-1/2"	1-1/2"	2-7/8"
00-820/2	2"	2"	3-1/8"



821 Ball Adjustable Saddle

ITEM #	TUBING	D	CP
00-821/2	2"	2"	2-7/8"



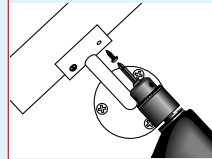
ALL DIMENSIONS ARE APPROXIMATE.

BALL FITTINGS

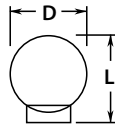
Our ball fittings are used when constructing railing in a traditional setting. The vertical posts should be made with a continuous tube (for strength) while the horizontals are cut and fit between posts.

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.

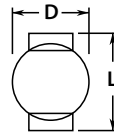


FITTINGS ARE SUPPLIED WITH SELF-DRILLING / SELF-TAPPING HARDWARE



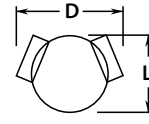
700 Ball Single Outlet

ITEM #	TUBING	D	L
00-700/1-1/2	1-1/2"	2-1/2"	2-3/4"
00-700/2	2"	3-1/4"	3-3/8"



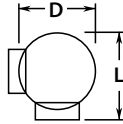
701 Ball Parallel Outlet

ITEM #	TUBING	D	L
00-701/1-1/2	1-1/2"	2-1/2"	2-7/8"
00-701/2	2"	3-1/4"	3-3/8"



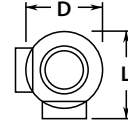
701A 135° Side Outlet

ITEM #	TUBING	D	L
00-701A/1-1/2	1-1/2"	3-1/4"	2-1/2"
00-701A/2	2"	5"	3-1/4"



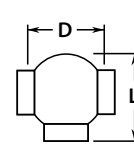
702 Ball Ell

ITEM #	TUBING	D	L
00-702/1	1"	2"	2-1/2"
00-702/1-1/2	1-1/2"	2-1/2"	2-3/4"
00-702/2	2"	3-1/4"	3-1/4"



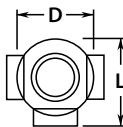
703 Ball Side Outlet Ell

ITEM #	TUBING	D	L
00-703/1	1"	2"	2-1/2"
00-703/1-1/2	1-1/2"	2-1/2"	2-3/4"
00-703/2	2"	3-1/4"	3-5/8"



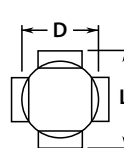
704 Ball Tee

ITEM #	TUBING	D	L
00-704/1	1"	2"	2-1/2"
00-704/1-1/2	1-1/2"	2-1/2"	2-3/4"
00-704/2	2"	3-1/4"	3-3/8"



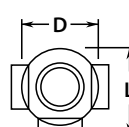
705 Ball Side Outlet Tee

ITEM #	TUBING	D	L
00-705/1	1"	2"	2-1/2"
00-705/1-1/2	1-1/2"	2-1/2"	2-3/4"
00-705/2	2"	3-1/4"	3-3/8"



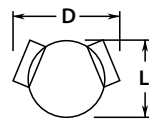
706 Ball Cross

ITEM #	TUBING	D	L
00-706/1-1/2	1-1/2"	2-1/2"	3"
00-706/2	2"	3-1/4"	3-1/2"



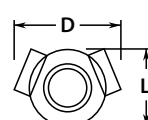
707 Side Outlet Cross

ITEM #	TUBING	D	L
00-707/1-1/2	1-1/2"	2-1/2"	2-3/4"



708 135° Side Outlet Ell

ITEM #	TUBING	D	L
00-708/1-1/2	1-1/2"	3-1/4"	2-1/2"
00-708/2	2"	4"	3-1/4"



709 135° Side Outlet Tee

ITEM #	TUBING	D	L
00-709/1-1/2	1-1/2"	3-1/4"	2-1/2"
00-709/2	2"	4"	3-1/4"



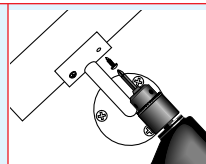
ALL DIMENSIONS ARE APPROXIMATE.

FLUSH FITTINGS

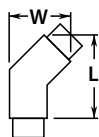
A streamlined look is achieved with the use of flush fittings. Our component options ensure simple assembly and flexibility to accommodate any project. Our line of flush fittings feature a 1" long sleeve for added strength and adhesive coverage.

NOTES:

- All fittings are supplied with necessary hardware for installation
- Mount brackets to stud in wall.
- Maximum spacing between brackets – 4 feet.
- Consult local codes for rail height and other requirements.



FITTINGS ARE SUPPLIED WITH SELF-DRILLING / SELF-TAPPING HARDWARE



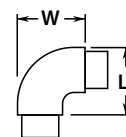
730 Flush 135° Angle

ITEM #	TUBING	W	L
00-730/1-1/2	1-1/2"	2-15/16"	3"
00-730/2	2"	2-7/8"	3-3/8"



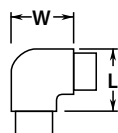
730A Flush 147° Angle

ITEM #	TUBING	W	L
00-730A/1-1/2	1-1/2"	2-1/4"	3-1/4"
00-730A/2	2"	2-3/4"	3-3/4"



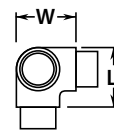
731 Flush Radius Ell

ITEM #	TUBING	W	L
00-731/1	1"	1-7/8"	1-7/8"
00-731/1-1/2	1-1/2"	2-7/8"	2-7/8"
00-731/2	2"	3"	3"



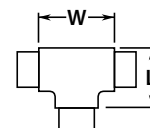
732 Flush Ell

ITEM #	TUBING	W	L
00-732/1-1/2	1-1/2"	2"	2"
00-732/2	2"	2-1/2"	2-1/2"



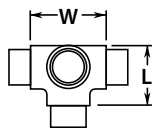
733 Flush Side Outlet Ell

ITEM #	TUBING	W	L
00-733/1-1/2	1-1/2"	2-1/4"	2"
00-733/2	2"	2-1/2"	2-1/4"



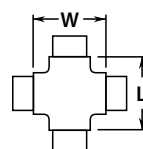
734 Flush Tee

ITEM #	TUBING	W	L
00-734/1-1/2	1-1/2"	3"	2-1/4"
00-734/2	2"	3"	2-1/2"



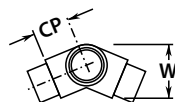
735 Flush Side Outlet Tee

ITEM #	TUBING	W	L
00-735/1-1/2	1-1/2"	3"	2-1/4"
00-735/2	2"	3"	2-1/2"



736 Flush Cross

ITEM #	TUBING	W	L
00-736/1-1/2	1-1/2"	3"	3"
00-736/2	2"	3"	3"



738 135° Side Outlet Ell

ITEM #	TUBING	W	CP
00-738/1-1/2	1-1/2"	2-1/4"	1-3/4"
00-738/2	2"	2-7/8"	2"



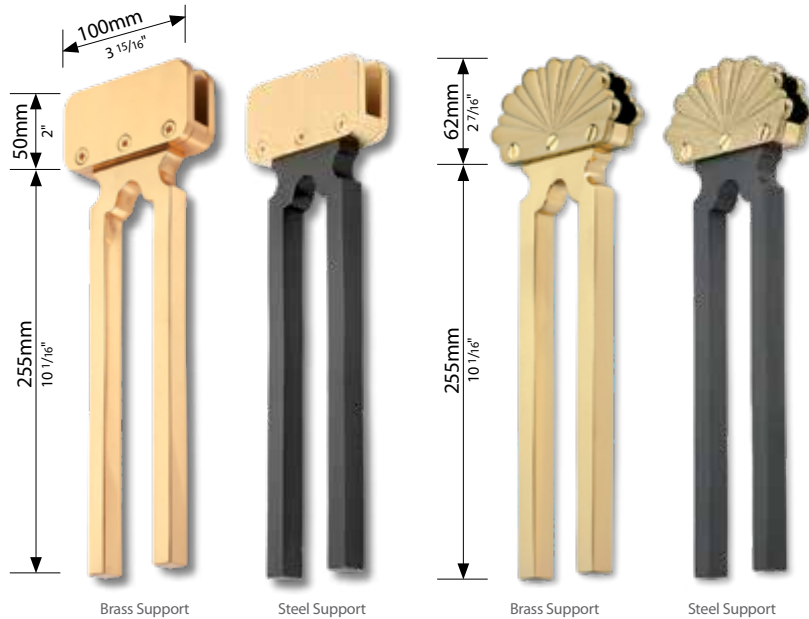
ALL DIMENSIONS ARE APPROXIMATE.

BRASS GLASS CLIPS

Grande Forge plain or chased brass glass clips with support.

Maximum 1/2" glass.

Recommended for use with base collars CSL648 and CSL403.



14x16 mm 9/16 x 5/8"	GC1050L	GC1050	GC8250L	GC8250
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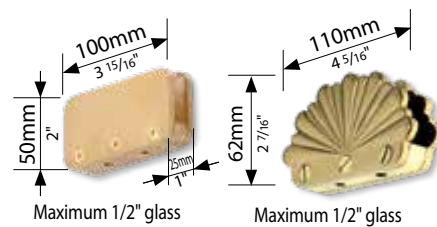
CSL648

3-15/16" wide x 1-15/16" deep
for 5/8" sq.



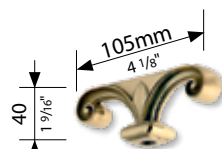
CSL403

2-3/8" wide x 1-7/8" deep
for 5/8" sq.

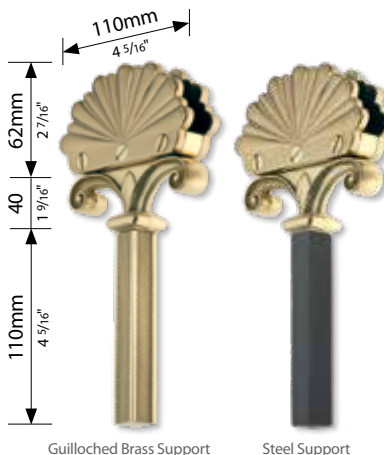


GC8050	GC8150
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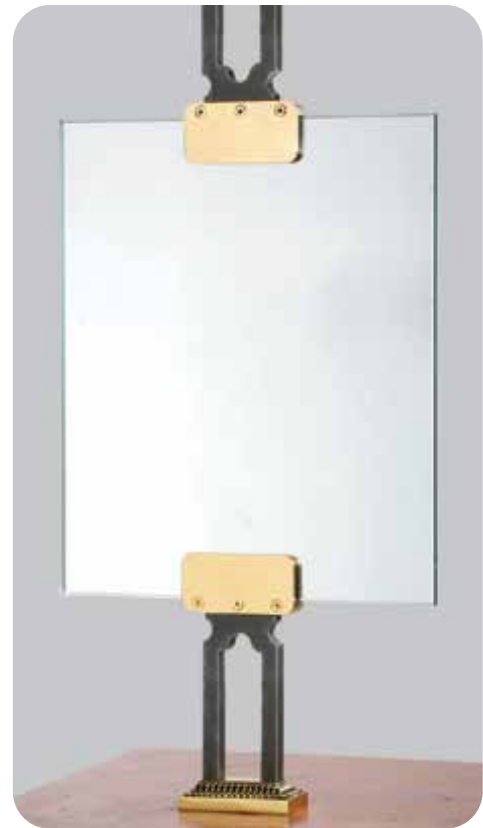
Base for
glass clip
GC8050
and
GC8150.



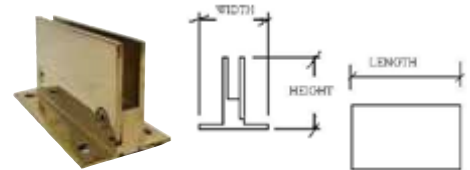
16 mm 5/8"	GC8450
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16 mm 5/8"	GC8350	GC8550
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Our solid brass glass clips are used to create booth dividers and guard rails and can accommodate 1/4"-3/8" glass.



AC065 Clip for 1/4" Glass

ITEM #	W	H	L
AC065	1-5/16"	1-3/8"	2-5/8"



AC062 Clip for 1/4" - 3/8" Glass

ITEM #	W	H	L
AC062C Center	9/16"	1-3/8"	2-5/8"
AC062R Right	9/16"	1-3/8"	2-5/8"
AC062L Left	9/16"	1-3/8"	2-5/8"

ALL DIMENSIONS ARE APPROXIMATE.

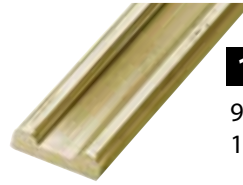
BRASS RAILING ORNAMENTS

BRASS COLLARS - MILL FINISH - 157-1/2" (4000mm) LONG



1464/13

9/16" (14mm) wide
11/64" (4.5mm) thick



1464/14

9/16" (14mm) wide
11/64" (4.5mm) thick

COLLARS

These decorative brass sleeves are polished and lacquered and come equipped with an M3 locking screw to allow for fast and easy mounting. Indoor use only.



ML141- 9/16" Ø
ML142- 5/8" Ø
5-1/2" H



ML61- 9/16" Ø
ML62- 5/8" Ø
2-3/8" H



ML31- 9/16" Ø
ML32- 5/8" Ø
1-3/8" H



ML25- 9/16" Ø
ML26- 5/8" Ø
7/8" H



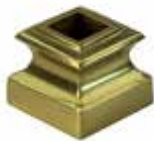
ML21- 9/16" Ø
ML22- 5/8" Ø
3/4" H



ML11- 9/16" Ø
ML12- 5/8" Ø
9/16" H

SEE PAGES
149-150
FOR MORE
COLLARS

BASE SHOES



BRS-12

1 1/16" x 1 1/4"
fits over 1/2"



CSL51

2-1/16" Ø
fits over 9/16"



CSL86

2-5/8" Ø
fits over 5/8"

SEE PAGES
152-153
FOR MORE
SHOES

ROSETTES



RL75

3" Ø



104/4

4-3/8" Ø
1/4" thick



TR006

3" Ø
3/8" thick

SEE PAGES
160-162
FOR MORE
ROSETTES

LEAVES



11-137-BR

2-5/8" W x 11-3/4" H, 10 gauge



2-3/4" W x 2-3/8" H
4mm thick

1463/14



1-9/16" W x 4-5/16" H
4mm thick

1463/17

SEE PAGE
171
FOR MORE
LEAVES

ALL DIMENSIONS ARE APPROXIMATE.

PAINT & PATINAS

- 322** Vinylast
- 323** Primers, Thinners, Patinas & Staygold
- 324** Aqualast
- 325** Rustresolve-Rust Converter
- 326-327** Gilders Paste
- 328** Sculpt Nouveau Patinas & Metal Finishes
- 329** Sculpt Nouveau FAQs
- 330** Metal Cleaner & Degreaser
- 331-332** Birchwood Patinas
- 332-333** Traditional Patinas
- 334** Universal Patina & Smart Stains
- 335** Patina Stains
- 336** Metal Coatings
- 337** Clear Guard & Smart Coat
- 338** Ever Clear
- 339** Metal Oil & Metal Wax
- 340** Solvent Thinner, Patina Gel & Prime-It



Sculpt Nouveau Patinas and Metal Finishes



VINYLAST™

High Performance Coatings for Ironwork

Benefits of Using VINYLAST™ Paints

- No primer necessary for interior or galvanized applications
- Fast drying and non-drip
- Excellent adhesion to hot dipped galvanizing
- Superior rust protection
- Suitable for aluminum and structural steel
- Chip resistant satin finish



All colors available in 11 oz. spray cans, 2.5 liter and 5 liter sizes. Smithy Black, Glossy Black and Dark Brown are available in 20 liters.

0001 Smithy Black
0001G Glossy Black

0002 Dark Brown

8022 Black Brown

0003 Graphite

6006 Grey Olive

7030 Stone Grey

Sparkle Silver

9006 Aluminum

3009 Red Oxide

1013 Pearl White

9010 Pure White

1021 Traffic Yellow

6005 Moss Green

6010 Grass Green

3000 Fire Red

FAQs About VINYLAST™ Paint



How is Vinylast™ better than regular paint?

Vinylast™ is high quality and does not require a primer, it does not drip and it dries fast unlike most other paints. It also offers better surface protection against rust. It has excellent adhesion even to hot dipped galvanized surfaces. And it gives a beautiful, chip resistant satin sheen finish.

Can I spray this paint?

Yes, the paint can be used in any conventional sprayer. It can also be used with Electrostatic and airless sprayers.

The paint is very thick. What thinner should I use?

Although any industrial grade thinner will work, we recommend using Xylene. Up to 15% thinner may be added in a conventional sprayer.

What is the coverage of Vinylast paint?

When thinned, a 5L container covers approximately 250 sq. ft.

Do I need to apply a primer?

Vinylast does not need a primer in order to adhere to the steel. If a primer is preferred, we recommend Fast Primer Zinc Phosphate.

Can I use Vinylast™ over galvanizing?

Absolutely. Although a top quality paint for using directly onto mild steel, Vinylast™ was specially developed to adhere to galvanized steelwork. Vinylast™ bonds extremely well to galvanizing without the requirement of any kind of primer or surface abrasion.

What if I have a non-galvanized surface for an exterior job?

Although we always recommend galvanizing for exterior work, Vinylast™ still offers a superior finish and more durability than most paints. A primer is not required but if preferred, we recommend Fast Primer Zinc Phosphate. Apply 2 to 3 coats of Vinylast™ in order to achieve the required film thickness.

Can I use Vinylast™ over Aluminum?

Yes, Vinylast™ works very well over aluminum. However, you may need an etch primer or a T-wash primer, or you may need to abrade especially for very smooth surfaces.

What kind of maintenance is required?

Vinylast™ is virtually a maintenance free finish which will last for many years, especially when applied over a galvanized surface. You can repaint over Vinylast™ painted work after cleaning it.

How does Vinylast™ compare to powder coating?

Vinylast™ looks better on good quality decorative ironwork than most powder finishes. Powder coating is also difficult to repair or touch up. It does not adhere well to galvanized products without surface preparation.

For MSDS Sheets and detailed product information see:

www.archirondesign.com/vinylast

VOC Content: 585 grams per liter. Please check local VOC requirements before using this product.

PLEASE ASK FOR DATA SHEETS AND READ THESE BEFORE USING OUR PAINTS. NOTE: Coverage figures provided are only approximate and we cannot be held responsible for any variation. Coverage figures depend on equipment, the operator, thickness applied and the design/type of the work being painted.



staygold

A long lasting gold paint used for highlighting railheads, rosettes and other features. For steel and aluminum. Thin with Xylene if necessary. **113/30 – 1 liter**

FAST PRIMER ZINC PHOSPHATE

A high quality, general purpose, conventional anti-corrosive primer containing zinc phosphate to help prevent rust. Recommended application by spraying but small areas can be brushed on. Coverage (approx.) 15 sq. meters per liter.

Item Number

Grey 2.5 liters	113/16
Grey 5 liters	113/17
Grey 20 liters	113/17-20L
Red Oxide 2.5 liters	113/19
Red Oxide 5 liters	113/20
Red Oxide 20 liters	113/20-20L

INDUSTRIAL THINNERS (XYLENE)

An all purpose thinner for use with Vinylast™, Fast Primer Zinc Phosphate, and Staygold.

	Item Number
1 liter	113/23
5 liters	113/24
25 liters	113/25

Patinas

Create Antique and Highlighted Finishes

Supplied in 375 ml tins.



112/6 Gold



112/7 Copper



112/8 Silver



112/11 Pale Blue



112/10 Pale Green



112/9 Green



Gold Patina on a White 9010 base coat always brings life to a fine piece of ironwork.



Our all time favorite is Smithy Black 0001, with Copper Patina.



This classic finish is Graphite 0003 Vinylast with Silver Patina highlights.

HELPING TO CREATE A HEALTHY ENVIRONMENT

AQUALAST™

Aqualast™, our greener paint option for ironwork, is water based, environmentally friendly and works as well as our original Vinylast paint.

- ☞ Minimal solvent content (Less than 2%)
- ☞ Thin and clean with water, not solvents
- ☞ Operator friendly
- ☞ Apply directly to galvanized steel
- ☞ Long lasting
- ☞ Low maintenance
- ☞ Professional quality finish

SUPPLIED IN:
1 LITER
2.5 LITER
5 LITER



AQUA0001
Smithy Black

AQUA0002
Dark Brown

AQUA0003
Graphite

AQUA9010
Pure White

Most exterior paints have a high solvent content of 50%+, which evaporates into the atmosphere. AQUALAST, however, has a minimal solvent content of less than 2%, offering huge benefits to the environment.

Water based coatings require well controlled environmental conditions to ensure adequate drying. We recommend that AQUALAST be applied in a suitable paint shop with good air movement, heat and the availability to maintain a temperature of above 55°F and relative humidity levels of below 70%, especially during the winter months.

COMPARISON

	Aqualast	Vinylast
VOC	Low	High
Clean up	Water	Xylene
Thinner	Water	Xylene
Goes over galvanizing	✓	✓
Fast Drying	Depends on Humidity	✓
No Primer Needed	✓	✓
Interior or Exterior Use	✓	✓

FAQs About AQUALAST™ Paint

How is Aqualast™ better than regular paint?

Aqualast™ is high quality and does not require a primer, it does not drip unlike most other paints. It also offers better surface protection against rust. It has excellent adhesion even to hot dipped galvanized surfaces. And it gives a beautiful, chip resistant satin sheen finish.

Can I spray this paint?

Yes, the paint can be used in any conventional sprayer. It can also be used with Electrostatic and airless sprayers. To thin you may use water.

Can I use Aqualast™ over galvanizing?

Absolutely. Although a top quality paint for using directly onto mild steel, Aqualast™ was specially developed to adhere to galvanized steelwork. Aqualast™ bonds extremely well to galvanizing without any kind of primer or surface abrasion required.

What if I have a non-galvanized surface for an exterior job?

Although we always recommend galvanizing for exterior work, Aqualast™ still offers a superior finish and more durability than most paints. A primer is not required but if preferred, we recommend our Fast Primer Zinc Phosphate. Apply 2 to 3 coats of Aqualast™ in order to achieve the required film thickness.

Can I use Aqualast™ over Aluminum?

Yes, Aqualast™ works very well over aluminum also. However, we recommend using an etch primer or a T-wash primer, or abrading the surface, especially for very smooth surfaces.

What kind of maintenance is required?

Aqualast™ is virtually a maintenance free finish which lasts for many years, especially when applied over a galvanized surface. You can repaint over Aqualast™ painted work after cleaning it.

How does Aqualast™ compare to powder coating?

Aqualast™ looks better on good quality decorative ironwork than most powder finishes. Powder coating is also difficult to repair or touch up. It does not adhere well to galvanized products without surface preparation.

Benefits of Using AQUALAST Paints

- No primer necessary
- Excellent adhesion to hot dipped galvanizing
- Superior rust protection
- Suitable for aluminum and structural steel
- Chip resistant satin finish

For an MSDS Sheet and detailed product information see:
www.archirondesign.com
VOC Content: 0 grams per liter.

RUSTRESOLVE - RUST CONVERTER

What does **RUSTRESOLVE** do?

The Eco-Friendly Way to Fight Rust

RUSTRESOLVE offers an easy and effective way to deal with existing rust without the need for sandblasting or hours of wire brushing. Simply wire brush off any flaking rust and apply **RUSTRESOLVE**. Within minutes, the rust will disappear and the surface will turn a bluish black color that you can paint over.

RUSTRESOLVE

- Is a complex mixture of vinyl acrylic copolymer and tannic acid for the treatment of corroded steel and iron surfaces.
- Is a strong, yet eco-friendly, zero VOC product that neutralizes the corrosion process. It then further protects the surface by forming a film with low permeability to water vapor and oxygen.
- Is self priming but for long term protection it is advisable to overcoat with a suitable water or solvent based midcoat or topcoat.
- One liter treats 8-9 square meters.
- Can be used in the following areas: Manufacturing, Agriculture, Automotive, Chemical, Marine, Heavy Engineering, Building and Construction, DIY, etc.



112/15 - 250ml

112/13 - 1 Liter

112/14 - 5 Liters

For more information visit www.archirondesign.com/rustresolve

Application

Surfaces should be wire brushed to remove loose rust and washed with water to remove soluble salts as they inhibit the conversion process. Surfaces should also be free of oil and grease.

RUSTRESOLVE has been designed for application by spray and brush. By airless spray a dry film thickness of up to 60 microns can be achieved without sagging. The addition of further water may be necessary for air assisted spraying. By brush application, a dry film thickness of 40 microns per coat is considered optimum.

RUSTRESOLVE can be applied over damp surfaces and dries quickly under suitable temperature and humidity conditions. Immediately after use, equipment should be washed in water to remove all traces of **RUSTRESOLVE**.

Drying Conditions

Temperature, humidity, air movement and film thickness all affect drying time. Under ideal conditions, a 100 micron wet film of **RUSTRESOLVE** will be dry to the touch in approximately 10 minutes at 68°F, whereas at 50°F and with little air movement, this time can be as long as 2 hours. **RUSTRESOLVE** should not be applied at temperatures below 50°F, or when there is risk of condensation or rain during this drying period.

Rusty Surface



After **RUSTRESOLVE** Application



Visit www.archirondesign.com/resource-center to download the MSDS sheet from our technical library.

GILDERS PASTE



Robyn Story Designs



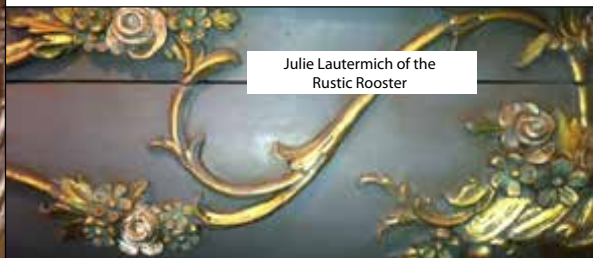
Grainger Metal Works
Nichols, SC



By Hammer By Hand



Frenchie Kitchen



Julie Lautermich of the
Rustic Rooster

Looking for a unique way to highlight or decorate your ironwork?

Gilders Paste™ is a collection of highly concentrated colorful metallic and colored wax based pastes that can be easily applied to a project. *Gilders Paste™* can be used to color and highlight features or produce a gilded finish.

Apply with finger, soft brush or cloth in rubbing motion or by letting your imagination determine the application medium to create a unique finish!

Gilders Paste™ can be layered one on top of the other or mixed together to create an endless finish and a color palette that won't fade.

Thin with small amounts of paint thinner to transform the highly concentrated *Gilders Paste™* into paint for your projects or artwork for a stained or washed appearance.

By lightly polishing with a soft cloth, our metallic *Gilders Paste™* will produce a gilded finish. Clean up with soap and warm water or paint thinner.

Thinning will more than double coverage.

Small, 30 ml (1 oz.),
covers over 30 sq. ft.



GILDERS PASTE



(Colors may vary slightly from printed medium)

Small, 30 ml (1 oz.), covers over 30 sq. ft.



Use Gilders Paste-on:

Picture Frames, Etched Glass, Furniture, Antique Restoration, Finials, Crafts, Embossed Molding, Miter Joints, Ornate Fretwork, Rope & Dental, Chair Railing, Curtain Rods, Ceramics, Gilding Restoration, Bisque Ware, Plaster, Home Décor Stenciling, Gessoed Surfaces, Stone, Paper, Wax, Leather, Textiles, Plastics, previously painted or any clean, dry surface.

SUGGESTIONS

Substrate surface should be dry and clean, free of dirt, oil, grease and scale.

Gilders Paste™ can be directly applied with your finger, sponge, paint - tooth - stencil brushes, cloth, rubber stamps etc... All colors can be thinned out to further extend, wash, stain or paint your project.

Blending *Gilders Paste™* is as easy as mixing two or more colors to match and touch up existing color schemes or to create a custom color.

Drying time varies depending on materials, thickness of application and substrate, approximately 30 - 60 minutes to the touch on dry, low porosity, debris free surfaces.

Lightly polishing metallic colors with a soft cloth, after 12 hours of drying, will produce a gilded finish.

Will accept an overcoat, such as UV solvent based stable clear lacquer, varnish, acrylic, or clear powder coating to achieve a uniform appearance where the *Gilders Paste™* was not used, or, to provide increased durability to areas where repeated.

TIPS & TECHNIQUES

For very smooth surfaces, such as gloss paint, plastic, ceramics and furniture, it is recommended to abrade the surfaces with 0000 grade steel wool or fine sandpaper or apply a recommended primer.

Layering substrates with a solid base color and then stenciling, sponging or wiping another color over base coat can produce unique affects and blends.

Polishing the base coat immediately after application with a dry cloth or slightly wetting it with a thinner will remove *Gilders Paste™* from the relief detail and highlight depressed details. Lightly brushing *Gilders Paste™* over the top will highlight the relief details without polishing.

Store above 55°F. Apply above 60°F. If *Gilders Paste™* becomes dry, add a little paint thinner or mineral spirits, mix, and you are ready to go.

WARNING:

COMBUSTIBLE. Do not store or use near open flame. KEEP OUT OF REACH OF CHILDREN. NOT FOR USE IN HEALTH CARE FACILITIES. For further health information contact a poison control center. Use in well ventilated area. Request a materials safety data sheet when using in manufacturing. Keep in the original container with the lid closed to prevent the product from drying out and store upside down. Use a small amount of paint thinner to soften. Avoid heat, sparks, flame and other ignition sources.

Sculpt Nouveau

Patinas and Metal Finishes



Scan this code for a general overview of Sculpt Nouveau products.



Throughout this section QR Codes are placed next to various products. Once scanned, a video will display demonstrating the application process of that product.

For those applications where a painted finish won't do or to achieve a natural finish on your metalwork project, use our range of Sculpt Nouveau patinas and metal finishes. There are typically **3 steps** to achieve a good finish:

STEP 1 - Clean the Metal use Metal Cleaner Degreaser

STEP 2 - Apply Patina (see material and choose your patina)

Traditional Patinas - All contain acids

Smart Stains and Patina Stains - Do not contain acids

Bronze Brass & Copper

CHOOSE:

Birchwood Technologies M38-Brown
Color achieved: Brown

Birchwood Technologies M24-Black
Color achieved: Black

Black Magic
Color achieved: Orange/Black on bonded material, brown/black on cleaned material

Deep Brown Patina
Color achieved: Dark brown to Black

Darkening Patina
Color achieved: Brown

Slate Black
Color achieved: Black or if burnished back with steel wool can be an antique brown

Japanese Brown
Color achieved: Golden

Tiffany Green
Color achieved: Green

Smart Stain-Brown
Color achieved: Brown

Smart Stain-Black
Color achieved: Black

Patina Stains-All Colors

IRON & STEEL

CHOOSE:

Birchwood Technologies PC-9 Presto Black
Color achieved: Black

Black Magic
Color achieved: Rich Black

Darkening Patina
Color achieved: Transparent Brown

Slate Black
Color achieved: Brownish Black

Zinc Grey (for zinc or galvanized steel)
Color achieved: Grey or Black

Japanese Brown
Color achieved: Brown

Deep Brown Patina
Color achieved: Black and Brown tones

Smart Stain-Brown
Color achieved: Brown

Smart Stain-Black
Color achieved: Black

Patina Stains-All Colors

ALUMINUM

CHOOSE:

Birchwood Technologies A-14 Black
Color achieved: Black

Slate Black
Color achieved: Deep Brown

Smart Stain-Brown
Color achieved: Brown

Smart Stain-Black
Color achieved: Black

Patina Stains-All Colors

STAINLESS STEEL

CHOOSE:

Slate Black
Color achieved: Red/Brown

Birchwood Technologies SSB Presto Black
Color achieved: Black

Smart Stain-Brown
Color achieved: Brown

Smart Stain-Black
Color achieved: Black

Patina Stains-All Colors

STEP 3 - Seal the surface to protect the finish

Clear Guard
Ever-Clear
Metal Oil

Metal Wax
Smart Coat

FAQS

What happens if the product freezes?

Nothing, just let the product thaw and mix well.

What is the shelf life of the products?

For the most part, there is no shelf life. Japanese Brown has a shelf life of one year if left unopened. Some other products such as the Metal Oil and Clear Coats (Matte) have to be stirred well because the ingredients settle.

What is the coverage per product?

Traditional Patinas cover approximately 200 sq. ft per gallon, except for the black patinas. They may only give 130 sq. ft. per gallon because they have to be reapplied to achieve a deep coloration.

Birchwood Casey Patinas will usually give double this coverage because they work better if they are diluted up to 50% with distilled water.

Clear Coats coverage is 250 sq. ft. per gallon for one coat. For the recommended 2 coats, the coverage will be 125 sq. ft.

Patina Stains will cover 200 sq. ft. per gallon undiluted. Since they are usually diluted, the square footage will depend on the dilution rate.

Waxes and Oil will cover approximately 400 sq. ft. per gallon.

What is cold patina?

A process of applying patina chemical solutions directly to the unheated surface of the metal. "Cold Patina" is a term used for applying patinas without heating the metal. The best room or air temperature for these patinas is between 65° and 75° F. Often they involve cycles of applications involving layers of patina. The three basic techniques of applying the patina are to use a brush, sponge, or spray bottle. There are also some very interesting ancient techniques where the metal object is buried in substances soaked with the patina or wrapped in cloth soaked with a patina. A characteristic of most cold patinas is that they are opaque.

What is hot patina?

This is the most widely used technique. The surface of the metal is heated with a torch to open its pores, usually to around 200° F. The patina chemical solutions are then applied with a brush or by spraying. As the metal cools, the patina is locked in. An easy test for the correct temperature is to sprinkle a few drops of distilled water from a spray bottle onto the hot metal surface. If the water sizzles it is the correct temperature. If the water runs off, the metal is too cold. If the water balls up, it is too hot. A characteristic of some hot patinas is that they are transparent. There are three ways the metal may be heated: 1) The most common method is using a propane torch with a 5-gallon propane bottle or using a torch with a gas/air mix used with an air compressor; 2) Using a hair dryer or a paint peeler; 3) Placing the object in the sun or oven.

How should I clean my metal?

Sculpt Nouveau Metal Cleaner is the best cleaner to use for degreasing purposes. Other than that, you can use Dawn dish soap, isopropyl alcohol, or denatured alcohol. Do not use acetone. As for abrading the surface, sandblasting is best for reaction and adhesion, followed by orbital sanding, and then scuffing with a scotch brite pad. The abrading method you choose can cause a traditional patina or clear finish to show characteristics of the method, such as scuff marks.

Why can't I use Acetone?

Acetone changed their formula for the EPA and since then, it leaves a residue behind that interferes with adhesion. This is true for clear coats, coatings and patinas.

How long should I leave my patina on before rinsing it?

The only patinas that need to be rinsed are the Birchwood and Traditional lines. Hot applied patinas, Traditional Green Patinas, and Traditional Blue Patinas do not get rinsed, such as Ferric Nitrate, Tiffany Green, and Original Blue. For all other Birchwood and Traditional Patinas, typical reaction time is 3-5 minutes before rinsing. That being said, the important thing to remember is to not let it dry on the surface unless the patina is meant to be applied that way, such as Light Green or Powder Blue.

My clear coat is foggy, my clear coat is milky, my clear coat is not adhering right, there is further oxidation under my clear coat?

All of these are common problems when moisture is trapped under the clear coat. This can happen after rinsing a Traditional Patina or on humid days. A good practice to implement is to warm the metal with a torch or heat gun prior to clear coating. This will remove the excess moisture. When the metal cools to room temperature you can clear coat it. Another cause could be if the patina was not neutralized as well as it needed to be. Say you are doing Black Magic on steel, as the patina reacts, it creates a film on the surface. This film needs to be removed with a microfiber towel or sponge.

How do I get a more uniform finish with a Traditional or Birchwood patina?

Either sandblast the metal prior to patination or you can use a scotch brite pad on the surface while the patina is reacting to the metal. The first coat will be light, but subsequent coats will come in darker and more uniform.

My Ever Clear sheen didn't come out correctly, what happened?

Ever Clear requires a mechanical mixing to correctly suspend the matting agent. This occurrence can happen if you only mix with a stir stick. Paddle mixers can be used on a drill to mix Ever Clear correctly.

How do I get the "oil rubbed bronze" look on steel?

The steel can be darkened first with Black Magic or PC9, then a brown and yellow Patina Stain applied over the top. Then sealed with Ever Clear.

A nice dark brown is formed by heating the metal first to 180°F to 220°F and applying Japanese Brown, then sealing it with Ever Clear.

Here are some videos:

The leaf video shows mainly yellow and brown, but it would look more like the dark oil rubbed bronze if there is a black base first.

The aluminum video shows the blackening process, Patina Stain and Yellow Dye-Oxide process. The same process will be used on steel, except instead of using A-14, either Black Magic or PC9 would be used to blacken the steel.



The surface of the material you are working on should be clean and free of any dirt or grease. When working with iron, steel or aluminum you may want to remove rust and fire scale. The best method for cleaning most materials is to sandblast. Different types of blasting material may be used in order to achieve the desired surface. Wire wheels or Scotch-Brite Pads are another method of cleaning.

Be careful not to leave any polishing compound on the surface. A good metal cleaner is a great way to get the surface ready to work on. Sometimes mild acids are used, but they can interfere with the patina process that comes later. Sculpt Nouveau's Metal Cleaner/Degreaser is a great metal cleaner. It works on both ferrous and non-ferrous metals.

SUR08ZMDD

8 oz. Metal Cleaner
and Degreaser

SUR32ZMDD

32 oz. Metal Cleaner
and Degreaser

SUR01GMDD

1 gallon Metal Cleaner
and Degreaser



Sculpt Nouveau's Metal Cleaner and Degreaser has been specially developed for the rapid and complete removal of rust, dirt, oil, and grease from most metal surfaces in preparation for finish applications.

This ready-to-use formula removes oxidation quickly and efficiently without leaving any residue or buildup that would prevent finish adhesion. Additionally, the Metal Cleaner and Degreaser contain corrosion inhibitors that protect the metal surface during cleaning.

The Metal Cleaner and Degreaser is not a polish and will remove the finish on polished and plated surfaces. It is available in 8 oz., 32 oz., and 1 gal. sizes. The 8 oz. and 32 oz. sizes include a spray top.

Instructions for Application on Bronze, Brass, and Copper:

- (1) Apply the cleaner with a brush, sponge or rag.
- (2) Let stand on the metal for approx. 5 minutes.
- (3) Rub with a green or gray Scotch-Brite pad.
- (4) Rinse with water.
- (5) Repeat if necessary.
- (6) Dry the surface.
- (7) Apply the desired finish to the metal surface.

Instructions for Application on Iron, Steel, and Aluminum:

- (1) Repeat the steps above, but dry quickly and thoroughly so that rust does not begin to form. Do not clean your metal until you are ready to apply the patina.
- (2) Apply your desired finish immediately to the clean metal. You must apply the patina as soon as possible and seal as soon as it is completely dry.

DO NOT USE ACETONE to clean your metal surface

The acetone leaves a residue on the surface which will interfere with the adhesion of the sealers and will alter the patina and/or cause it to not react properly.

There are two main categories of patina: 1) Those which contain acids; 2) Those which do not contain acids. This is important to know if you wish to patina iron, steel, or aluminum, as acids will cause rust or oxidation.

Types of Patinas that Sculpt Nouveau makes:

- **Traditional Patinas** - All contain acids
- **Smart Stains and Patina Stains** - Do not contain acids

Each type of patina is available in a range of colors. The colors may be mixed together within the group to form a different shade, except for the Traditional Patinas which may also be applied one over the other. The different types may be applied over each other or mottled around areas to make the patina more interesting.

Note: When layering the different patinas, it's best to apply those which contain acids first.

When working directly on metal, the most important factor in using Sculpt Nouveau's products successfully will be to have the surface of the metal clean. Sandblasting is the best way to achieve this. An orbital sander may be used on flat surfaces, although if this is not an option, Sculpt Nouveau Metal Cleaner is what we recommend.

When using a patina* from a group that does not contain acids, warming the metal is the best way to get them to adhere. Warming can be done by: (1) Putting the metal in the sun; (2) Using a heat gun or paint peeler; (3) Using a patina torch.

Sculpt Nouveau's patinas do not protect the metals from further natural changes once they have been applied. Also, most patinas will have a chalkiness, which will rub or rinse off. We recommend applying a clear sealer once the patina is finished.

*For Patina Stains, heat is not recommended. If the metal is too hot the patina may end up looking wrinkled.

Birchwood Technologies Patinas (cold application)

Birchwood Technologies makes different formulas for different metals. For bronze, brass and copper there are choices of brown or black applied by spray, brush or immersion. There are separate formulas for iron, steel and aluminum. Both liquid and gel formulas for M38, PC9 & M24.

The patina solution, being concentrated, is then diluted from 1 part distilled water to 1 part Birchwood Technologies to 3 parts of distilled water to 1 part Birchwood Technologies. Using the solution too strong will cause many problems.



Birchwood Technologies M38 (left) and M24 (right) Patina applied hot to copper

M-38 Brown (FOR BRONZE, BRASS & COPPER)

BIR08ZM38 / BIR08ZM38GEL

8 oz. Birchwood Technologies M38 Brown for Bronze, Brass, & Copper

BIR32ZM38 / BIR32ZM38GEL

32 oz. Birchwood Technologies M38 Brown for Bronze, Brass, & Copper

BIR01GM38 / BIR01GM38GEL

1 gallon Birchwood Technologies M38 Brown for Bronze, Brass, & Copper



M-24 Black (FOR BRONZE, BRASS & COPPER)

BIR08ZM24 / BIR08ZM24GEL

8 oz. Birchwood Technologies M24 Black for Bronze, Brass, & Copper

BIR32ZM24 / BIR32ZM24GEL

32 oz. Birchwood Technologies M24 Black for Bronze, Brass, & Copper

BIR01GM24 / BIR01GM24GEL

1 gallon Birchwood Technologies M24 Black for Bronze, Brass, & Copper



PC-9 Presto Black (FOR IRON AND STEEL ONLY)

BIR08ZPC9 / BIR08ZPC9GEL

8 oz. Birchwood Technologies PC9 Black Patina for Iron & Steel

BIR32ZPC9 / BIR32ZPC9GEL

32 oz. Birchwood Technologies PC9 Black Patina for Iron & Steel

BIR01GPC9 / BIR01GPC9GEL

1 gallon Birchwood Technologies PC9 Black Patina for Iron & Steel



A-14 Black (FOR ALUMINUM)

BIR08ZA14

8 oz. Birchwood Technologies A14 Black for Aluminum

BIR32ZA14

32 oz. Birchwood Technologies A14 Black for Aluminum

BIR01GA14

1 gallon Birchwood Technologies A14 Black for Aluminum



Birchwood Technologies Patinas (cold application)**SSB Presto Black for Stainless Steel (FOR STAINLESS STEEL)****BIR08ZSSB**

8 oz. Birchwood Technologies Presto Black for Stainless Steel

BIR32ZSSB

32 oz. Birchwood Technologies Presto Black for Stainless Steel

BIR01GSSB

1 gallon Birchwood Technologies Presto Black for Stainless Steel

*This stainless black patina will provide a more uniform, straight gray appearance.*Video presenting Presto
Stainless BlackBirchwood Presto
Stainless Black**Black Magic Traditional Patina (cold application)**

Black Magic Patina instantly creates a beautiful rich black patina on clean iron & steel. Rust will not occur immediately as with other darkening patinas. Water rinsing is a good neutralizer and will not cause rust. Rust will occur after 12 hours if a clear sealer is not applied.

Black Magic will darken bonded bronze, brass, and copper castings to an orange-black color. Black Magic creates a beautiful brown-black patina on cleaned bronze, brass, and copper.

TBK08ZMAG8 oz. Black Magic
Traditional Patina**TBK32ZMAG**32 oz. Black Magic
Traditional Patina**TBK01GMAG**1 gallon Black Magic
Traditional Patina*Black Magic Patina applied
cold to cold rolled steel, then
burnished with steel wool***Slate Black Traditional Patina (cold or hot application)**

Slate Black is a versatile and unique finish for use on iron, steel, stainless steel, aluminum, bronze, brass, or copper.

Applied hot, Slate Black will create a deep brown patina on aluminum and a red-green finish on stainless steel. On iron, steel, and nonferrous metals, Slate Black will form a black patina when applied cold.

Before applying this patina, sandblasting or sanding is required to clean the surface of oil, oxides, and residues. Slate Black may be applied as a spray or in an immersion process. Depending on the application method chosen, the results will range from a uniform solid color to a layered textured appearance. Slate Black Patina may be diluted up to 50% with distilled water depending on the desired strength of finish. The finish may be burnished wet or dry. Additional patinas can be layered over a Slate Black base. When dry, protect the finish with multiple coats of a clear sealer.

TBK08ZSLT8 oz. Slate Black
Traditional Patina**TBK32ZSLT**32 oz. Slate Black
Traditional Patina**TBK01GSLT**1 gallon Slate Black
Traditional Patina

© Sculpt Nouveau

Slate Black Patina applied
hot to aluminumSlate Black Patina applied
hot to stainless steel**Zinc Grey Traditional Patina (cold application)**

Zinc Grey Patina creates a grey or black patina on zinc or galvanized steel. The patina will be black and often mottled if applied at full strength. Dilution with distilled water is recommended for a smooth light grey finish. Layering the patina with multiple light coats will gradually darken the shade and allow you to control the uniformity of the finish. When dry, protect the finish with a clear sealer.

TBK08ZZNG8 oz. Zinc Grey
Traditional Patina**TBK32ZZNG**32 oz. Zinc Grey
Traditional Patina**TBK01GZNG**1 gallon Zinc Grey
Traditional Patina

Japanese Brown Traditional Patina (cold or hot application)

This patina may also be used on bronze, brass and copper but is mainly used on iron and steel. When applied to bronze, brass or copper, it will result in a golden color. When applied cold on iron and steel, a brown rust will form. When applied to heated steel, a dark chocolate brown will form. Clean the metal surface before application. If the metal is smooth it will be a shinier patina. If the metal surface is sandblasted it will look more like satin. Heat will darken the color as well as make it less mottled. Rinsing is not mandatory. If you don't rinse, leave the patina alone for 24 hours before applying a clear sealer. Do not use on aluminum, galvanized or stainless steel.

TBR08ZJBR

8 oz. Japanese Brown Traditional Patina

TBR32ZJBR

32 oz. Japanese Brown Traditional Patina

TBR01GJBR

1 gallon Japanese Brown Traditional Patina



Japanese Brown Patina applied hot to hot rolled steel



Traditional Darkening Patina (cold application)

Darkening patina is great for aging or darkening metals.

This patina may also be used on bronze, brass and copper. It creates a beautiful brown color. This patina is often diluted with distilled water; otherwise the patina will be very dark. For a nice transparent brown, it may also be applied on iron and steel. Apply a clear sealer or wax after the patina is dry.

TBR08ZDAR

8 oz. Traditional Darkening Patina

TBR32ZDAR

32 oz. Traditional Darkening Patina

TBR01GDAR

1 gallon Traditional Darkening Patina



Traditional Deep Brown Patina (cold application)

Deep Brown Patina creates a slow reacting brown finish on bronze, brass, and copper. On iron and steel, it will produce a quick dark brown patina with greys and blacks. On zinc, the finish is a fast developing yellow brown. It should not be used on stainless steel. Deep Brown Patina does not need to be diluted, but may be thinned with distilled water for lighter coats or colors. Additional coats will darken the patina.

TBR08ZDBR

8 oz. Traditional Deep Brown Patina

TBR32ZDBR

32 oz. Traditional Deep Brown Patina

TBR01GDBR

1 gallon Traditional Deep Brown Patina



Tiffany Green Traditional Patina (cold application)

This is a beautiful stable green. It is an old formula developed by Tiffany for Tiffany lamp bases. If it is overlapped or applied heavily it may "pop off" and will tend to go a little blue. Tiffany Green tends to be slow to react, but worth the wait. To see the results, let it sit overnight.

Clean the metal first as with any other patina. Spray, brush, or sponge on the patina. Let the reaction work for 2 - 6 hours. Reapply if a deeper color is desired. No rinsing is necessary. If used on iron or steel, rust will occur. Don't use on aluminum. Set with a clear sealer when done. For indoor or outdoor use.

TGR08ZTGR

8 oz. Tiffany Green Traditional Patina

TGR32ZTGR

32 oz. Tiffany Green Traditional Patina

TGR01GTGR

1 gallon Tiffany Green Traditional Patina



© Sculpt Nouveau



Tiffany Green Patina applied cold to copper



Universal Patina (hot application)

Universal Patinas are non-reactive, UV safe, do not contain acids and are environmentally friendly with no VOC's.

Any metal surface needs to be cleaned before application. For best adhesion, Universals should be applied hot. Heat the metal to approximately 180°F-220°F. Universals are heat tolerant, scratch resistant, and may be used as a base for other patinas. A clear sealer is always recommended to protect your finish.

UNI08ZRUS

8 oz. Rust Universal Patina

UNI32ZRUS

8 oz. Rust Universal Patina

UNI01GRUS

8 oz. Rust Universal Patina

**Smart Stains (cold application)**

Smart Stain is a strong, non-hazardous, fast drying patina system. It has no VOC's and no odor. Smart Stain contains UV inhibitors and will not fade outdoors if maintained properly. It will clean up with warm, sudsy water.

Smart Stain is very versatile. All colors are transparent and may be blended or layered onto any metal including iron, steel and aluminum. When applying Smart Stain onto a bare surface, we recommend that the surface be oil-free and slightly roughed up. To alter or enhance the color, Smart Stain may be applied over another patina surface once dry.

Smart Stain is made by combining finely ground, naturally occurring colored oxides with a water base polymer/resin binder. It is sold in concentrated form and may be diluted with distilled water up to 25% to increase transparency. Only Smart Coat should be used to dilute it any further.

Instructions for Application:

- (1) Shake well.
- (2) Clean the surface of the material and make sure it is completely dry before applying Smart Stain.
- (3) Apply by spray, sponge, roller, or brush. Apply as many coats as needed to achieve the desired color. If applying over a patina, make sure the first layer of Smart Stain saturates the rust or patina. Allow 1 hour to fully cure between coats.

For exterior applications, Smart Stains should be sealed with three layers of Smart Coat, Clear Guard or Ever Clear. Maintenance requirements will vary by location. In most environments, regular application of Sculpt Nouveau's Metal Wax or Metal Oil, over the clear coat, is sufficient to maintain this finish.

SST08ZBRN

8 oz. Brown

Smart Stain

SST32ZBRN

32 oz. Brown

Smart Stain

SST01GBRN

1 gallon Brown

Smart Stain

**SST08ZBLK**

8 oz. Black

Smart Stain

SST32ZBLK

32 oz. Black

Smart Stain

SST01GBLK

1 gallon Black

Smart Stain

**NOTE:**

Smart Stains may be applied to warmed metal. Heat metal with a heat gun or torch up to 120°F. Apply by any method to achieve desired effect. Seal when dry.

Patina Stains (cold application)

Patina Stains are blended to match chemical or traditional patinas, but are easier to apply and manage. They are UV stable.

These stains may be sprayed, brushed, or rubbed on any metal. They may be thinned to produce a lighter shade. One gallon of Patina Stain covers approximately 300 sq/ft. For best results, over-spray with Clear Guard EF after application.

The stains are available in black, brown, brass, bronze, red, verde (copper green), yellow and rust for all metal surfaces. The standard environmentally friendly formula has low VOC, no solvent odor, and may be thinned with Clear Guard EF or Sculpt Nouveau Solvent Thinner.

Patina Stains are also available in 12oz. spray cans in every color. Spray cans are only shipped by ground.

Patina Stain Application Instructions:

- (1) If working on non-patinated metal, clean the surface as needed. Examples would be: Wipe down with a clean cloth, sand or burnish with a Scotch-Brite pad. Clean with Sculpt Nouveau's Metal Cleaner.
- (2) Make sure that the surface is completely dry by heating with a heat gun or patina torch.
- (3) Applying with a sprayer will give the most consistent results. You may also apply with a brush or sponge.
- (4) Let the Patina Stain cure a minimum of 2 hours and apply more coats if desired. You may also layer on different colors of Patina Stain.
- (5) Apply as many coats as needed, making sure the first layer of stain saturates the rust or patina on your surface.
- (6) Apply 1-2 layers of clear finish. This will depend on your situation (indoor, outdoor, what type of metal - more layers of clear for ferrous metals).
- (7) Apply clear or colored wax 24 hours after the last layer of clear sealer.

**PSN08ZBLK**

8 oz. Black Patina Stain

PSN12ZBLK

12 oz. Black Patina Stain in Aerosol Spray Can

PSN32ZBLK

32 oz. Black Patina Stain

PSN01GBLK

1 gallon Black Patina Stain

PSN08ZBRN

8 oz. Brown Patina Stain

PSN12ZBRN

12 oz. Brown Patina Stain in Aerosol Spray Can

PSN32ZBRN

32 oz. Brown Patina Stain

PSN01GBRN

1 gallon Brown Patina Stain

PSN08ZBRA

8 oz. Brass Patina Stain

PSN12ZBRA

12 oz. Brass Patina Stain in Aerosol Spray Can

PSN32ZBRA

32 oz. Brass Patina Stain

PSN01GBRA

1 gallon Brass Patina Stain

PSN08ZBRO

8 oz. Bronze Patina Stain

PSN12ZBRO

12 oz. Bronze Patina Stain in Aerosol Spray Can

PSN32ZBRO

32 oz. Bronze Patina Stain

PSN01GBRO

1 gallon Bronze Patina Stain

PSN08ZCOP

8 oz. Copper Patina Stain

PSN12ZCOP

12 oz. Copper Patina Stain in Aerosol Spray Can

PSN32ZCOP

32 oz. Copper Patina Stain

PSN01GCOP

1 gallon Copper Patina Stain

PSN08ZSIL

8 oz. Silver Patina Stain

PSN12ZSIL

12 oz. Silver Patina Stain in Aerosol Spray Can

PSN32ZSIL

32 oz. Silver Patina Stain

PSN01GSIL

1 gallon Silver Patina Stain

PSN08ZRED

8 oz. Red Patina Stain

PSN12ZRED

12 oz. Red Patina Stain in Aerosol Spray Can

PSN32ZRED

32 oz. Red Patina Stain

PSN01GRED

1 gallon Red Patina Stain

PSN08ZVER

8 oz. Verde Patina Stain

PSN12ZVER

12 oz. Verde Patina Stain in Aerosol Spray Can

PSN32ZVER

32 oz. Verde Patina Stain

PSN01GVER

1 gallon Verde Patina Stain

PSN08ZYEL

8 oz. Yellow Patina Stain

PSN12ZYEL

12 oz. Yellow Patina Stain in Aerosol Spray Can

PSN32ZYEL

32 oz. Yellow Patina Stain

PSN01GYEL

1 gallon Yellow Patina Stain

PSN08ZBLU

8 oz. Blue Patina Stain

PSN12ZBLU

12 oz. Blue Patina Stain in Aerosol Spray Can

PSN32ZBLU

32 oz. Blue Patina Stain

PSN01GBLU

1 gallon Blue Patina Stain



The reason for using the Metal Coatings would be to make something that was not made of metal look as if it were made of metal. For example, a ceramic or plaster object would appear to be made of bronze if the Bronze Metal Coating was applied on it. Another application would be to change one metal into a different metal. For example, if you apply the Copper Metal Coating over steel, the steel will appear to be copper. Another popular use is to apply the Iron Metal Coating over iron or steel. This allows you to completely rust the Metal Coating surface without compromising the base metal. Since the coating is an outdoor product, there will be no further disintegration, even outdoors.

Metal Coatings (wet or dry application)

A light primer for porous material like ceramic or plaster is recommended to keep the first layer of Metal Coating from being absorbed. If the Metal Coating is going to be applied to a porous material that will be exposed to water, like concrete, or an outdoor sculpture, we suggest a more aggressive primer, such as a concrete sealer, be applied first. If moisture is allowed to enter the material it can force the Metal Coating off the surface from the back or underside.

IMPORTANT INSTRUCTIONS for WET and DRY APPLICATIONS:

Wet Application on Metal Coatings:

Applying acid patinas (Traditionals, Birchwoods & Vistas) while the Metal Coating is wet is the preferred application because this allows time for the patina to react. You can always burnish the Metal Coating back after it is fully cured to create highlights. Applying non acid patinas while the Metal Coating is damp is also preferable as this allows a better bond of the patina to the Metal Coating.

Dry Application on Metal Coatings:

When applying acid patinas, (Traditionals, Birchwoods & Vistas), on dry Metal Coating, it MUST BE burnished back after it is fully cured. This will allow the patinas to react with the metal in the Metal Coating. If applying non acid patinas (Universals & Dye-Oxides) to a dry Metal Coating, you must burnish it back and heat the surface with a hair dryer prior to applying the patina. It is not necessary to warm the Metal Coating if applying Solvent Dyes, Patina Stains or Smart Stains, but the Metal Coatings must be burnished back in any case. Non acid patinas may be a bit chalky. It is important to apply a clear top coat.



This QR code shows a video for spraying Metal Coating Bronze B.



This QR code shows a video for applying Metal Coating Copper B on building materials, in this case a gutter and downspout.



MCB08ZBRA

8 oz. Brass Metal Coating, Class B

MCB32ZBRA

32 oz. Brass Metal Coating, Class B

MCB08ZCOP

8 oz. Copper Metal Coating, Class B

MCB32ZCOP

32 oz. Copper Metal Coating, Class B

MCB08ZBRO

8 oz. Bronze Metal Coating, Class B

MCB32ZBRO

32 oz. Bronze Metal Coating, Class B

MCB08ZIRO

8 oz. Iron Metal Coating, Class B

MCB32ZIRO

32 oz. Iron Metal Coating, Class B



A protective Clear Sealer would be used to protect material from the environment or to set a finish. Iron, steel and aluminum need a protective coating to keep from oxidizing or rusting. A polished surface on bronze, brass, or copper will tarnish without protection. After achieving a patina or color on your material, the protective coating will help it last longer and help to keep it from changing. We suggest applying a clear coating in almost every instance. The best way to apply any brand of clear sealer is to spray it on. Spraying reduces bubbles and ridges formed by the brush, which help to break down the product faster. Small propellant applicators are available, made by Badger or Crown, if you do not have a compressor. Two or three light coats are preferable to one heavy coat, letting each dry before applying the next. No protective sealer will last forever. A regular maintenance program is needed and should be scheduled according to the individual conditions. Wax may be applied over the clear sealer to add even more protection.

Clear Guard (indoor use)

Clear Guard is a clear, durable, air drying lacquer that results in a hard, fast drying, and tarnish resistant film. It has excellent adhesion to bronze, brass, copper, and other metals as well as to patinas and rusted metal. Clear Guard is suitable for use with all types of application equipment including sprayers. Because of its unique chemistry, orange peel is virtually non-existent. Clear Guard is UV stable and highly resistant to weather, water, and chemical damage. It also resists marring and perspiration better than most solvent lacquers.

Handling/Mixing:

Loosen lid carefully. Container may be under slight pressure. Mix thoroughly before use. Use Sculpt Nouveau's Solvent Thinner to thin your application if necessary - usually 20% - be careful not to over thin.

Application:

Apply 2 - 3 coats, making sure the first layer of lacquer saturates the rust or patina. If spraying, use a HVLP sprayer at approximately 20 psi with a 1.2 - 1.4 orifice tip. Allow 1 hour for drying between coats.

CGD08ZLQS

8 oz. Clear Guard Satin

CGD12ZLQS

12 oz. Aerosol Spray Satin

CGD32ZLQS

32 oz. Clear Guard Satin

CGD01GLQS

1 gallon Clear Guard Satin



CGD08ZLQM

8 oz. Clear Guard Matte

CGD12ZLQM

12 oz. Aerosol Spray Matte

CGD32ZLQM

32 oz. Clear Guard Matte

CGD01GLQM

1 gallon Clear Guard Matte



Smart Coat (indoor or outdoor use)

Smart Coat is a strong yet non-hazardous, zero VOC, non-odor, one part, self hardening, non-yellowing, and non-cracking, top coat. Smart Coat works well over patinas, rust-oxides, as well as all clean polished metals. It may be diluted with water to allow for a penetration of heavy oxides. The finish is beautiful, durable, and hard. Smart Coat is a polymer/resin, yet dilutes and cleans up with water and is eco friendly. Smart Coat tacks up and hardens quickly to a beautiful hard, thin coating that is fast drying.

Application Conditions:

90°F (32°C) and below 85% humidity to ensure proper drying. This sealer is self leveling and may be brush applied. You may put the Smart Coat into your own sprayer (like a Crown, or Preval) or a HVLP sprayer. No dilution is necessary while spraying. May be diluted up to 25% with distilled water. Avoid applying in very windy and dusty conditions. Cover surrounding areas to protect from spray mist.

SCO08ZMAT

8 oz. Smart Coat 1K Matte

SCO32ZMAT

32 oz. Smart Coat 1K Matte

SCO01GMAT

1 gallon Smart Coat 1K Matte



SCO08ZSAT

8 oz. Smart Coat 1K Satin

SCO32ZSAT

32 oz. Smart Coat 1K Satin

SCO01GSAT

1 gallon Smart Coat 1K Satin



Ever Clear (indoor or outdoor use)

Ever Clear is a clear, air drying two part urethane coating designed to provide the best and strongest protection for most surfaces and finishes. We have been able to reduce the VOCs and also improve the two part formula.

Ever Clear is not a water based formula. Use Sculpt Nouveau Solvent Thinner when reducing Ever Clear in order to keep the VOC level low. Ever Clear tacks up quickly and should be used for the difficult finishes such as counter-tops, fountains, or ocean environments. It works extremely well on all metals, wood, terracotta, ceramics, and concrete. Ever Clear provides unusually strong under-film tarnish protection. When deciding which two part clear coating to choose, Ever Clear would be the best in all circumstances as it will be compliant with the EPA, it is strong, clear, and has a fast tack time. Full cure time is 5 to 7 days.

Handling/Mixing:

Combine Sculpt Nouveau's Ever Clear Parts A and B at a 3:1 ratio. First, thoroughly mix Part A first and then mix Part A with Part B for 10 minutes. It is important to mix thoroughly to fully blend the two parts. It is recommended before using coating to let it sit for 10 - 15 minutes in an opaque covered container. Allow the coating to adjust to room temperature (70°F– 85°F). Filter the Ever Clear with supplied 18 micron filter. Pot life is approximately 6 hours.

Do not use after this amount of time.

Surface Prep

Surfaces to be coated must be sound, clean, dry and free from grease, oil and other contaminants. Do not use acetone or any solvent for any type of surface prep or treatment. To achieve good bonding and drying, the ideal ambient temperature should be between 50°F and 80°F and humidity below 50%.

Application:

Spray application is the preferred method, although brushing or flow coating may be used. If applying with a brush, use a high quality natural bristle brush. When using the matte formula, brushing is not advised. Any dust collected on the cleaned metal should be blown or wiped off with a clean cloth before coating is applied. Coating should be applied in full coats. The second coat should be applied in about an hour. If you are unable to apply the second coat in a timely manner, you may lightly sand the first coat, so that the second coat will adhere. Take measures to minimize dust and debris falling on your coated products. Metal surfaces should be at room temperature (70°F–85°F).

SPRAY: Thinning is not necessary, or recommended, when using spray equipment with Ever Clear. If thinning is desired, use up to 20% Sculpt Nouveau Solvent Thinner. For best results use a good quality HVLP sprayer. Make sure that the spray equipment is clean and at room temperature. Spray at the lowest possible psi so that it lays down lightly, usually about 20 psi with a 1.2 - 1.4 orifice tip.

DRYING TIME: The coating air dries to the touch in less than 1 hour – depending on room temperature and may be forced dried faster at 250°F. The coating air dries solid/hard film within 4 hours, depending on coating thickness, temperature, etc. **Full cure dry time will be 5-7 days.**

Ever Clear two-part is packaged with detailed instructions and filters for mixing. One gallon typically covers 125 sq. ft. with the recommended 2 coats.

ECL12ZSAT

12 oz. Aerosol Spray
Ever Clear 2K Satin

ECL32ZSAT

32 oz. Ever Clear 2K Satin

ECL01GSAT

1 gallon Ever Clear 2K Satin

ECL12ZMAT

12 oz. Aerosol Spray
Ever Clear 2K Matte

ECL32ZMAT

32 oz. Ever Clear 2K Matte

ECL01GMAT

1 gallon Ever Clear 2K Matte

ECL12ZGLS

12 oz. Aerosol Spray
Ever Clear 2K Gloss

ECL32ZGLS

32 oz. Ever Clear 2K Gloss

ECL01GGLS

1 gallon Ever Clear 2K Gloss

ECL12ZSUG

12 oz. Aerosol Spray
Ever Clear 2K Super Gloss

ECL32ZSUG

32 oz. Ever Clear 2K Super Gloss

ECL01GSUG

1 gallon Ever Clear 2K Super Gloss



Metal Oil (indoor or outdoor use)

Metal Oils can be used on all metals. They have UV & Corrosive Inhibitors. Apply only thin coats of the Metal Oil with a soft cloth, brush, or spray to the clean metal or dry patinated surface. Burnish lightly with a clean cloth. Allow 3 to 12 hours to dry. Apply two coats. The oil is best applied to a surface at moderate temperatures around 70° F. Allow oil to cure for 3-4 days and a clear top coat or wax may be applied over the dried oil. For indoor or outdoor use.

© Sculpt Nouveau



*Brown Metal Oil
applied to brass
knob.*

**OIL08ZCLR**

8 oz. Clear Metal Oil

OIL32ZCLR

32 oz. Clear Metal Oil

OIL01GCLR

1 gallon Clear Metal Oil

**OIL08ZBLK**

8 oz. Black Metal Oil

OIL32ZBLK

32 oz. Black Metal Oil

OIL01GBLK

1 gallon Black Metal Oil

**OIL08ZBRN**

8 oz. Brown Metal Oil

OIL32ZBRN

32 oz. Brown Metal Oil

OIL01GBRN

1 gallon Brown Metal Oil

**Metal Wax** (indoor or outdoor use)

The finest quality waxes have been blended into a nonabrasive formula specifically to protect patinas and metal finishes. These waxes contain UV inhibitors and hardeners making them incredibly durable and long lasting on all types of metal.

General Tips:

These metal waxes can be applied to hot or cold surfaces. However, they should not be applied to extremely hot surfaces.

When applying, smooth down any ridges or bumps. Stippling with a brush may be the preferred method of application so as to not create streaking on the surface. Try not to let the clear wax fill up in any recessed areas as it may turn opaque when dry. Build up in recessed areas may be desirable with the colored waxes.

Burnish the finish when the wax is dry (usually 1-2 hours). The colored waxes generally take longer to dry. If you are applying the wax to a hot surface, let the surface cool down completely, then buff. Use a lint-free cloth (such as a microfiber cloth) to buff. Do not wait too long as the wax will become too hard to burnish.

Maintenance:

Lightly clean the surface every six months or as needed with a non-ionic soap like Ivory® Soap. Dry completely and reapply a new layer of wax with a brush. When dry, buff as before. If the wax is maintained regularly, there is a good chance the clear sealer will last a long time.

MWX08ZCLR

8 oz. Clear Metal Wax

MWX32ZCLR

32 oz. Clear Metal Wax

MWX01GCLR

1 gallon Clear Metal Wax

**MWX08ZBLK**

8 oz. Black Metal Wax

MWX32ZBLK

32 oz. Black Metal Wax

MWX01GBLK

1 gallon Black Metal Wax

**MWX08ZBRN**

8 oz. Brown Metal Wax

MWX32ZBRN

32 oz. Brown Metal Wax

MWX01GBRN

1 gallon Brown Metal Wax



Solvent Thinner

Sculpt Nouveau Solvent Thinner has no VOC's and is a very effective replacement for Xylene. It may be used to thin all solvent products. For best results when spraying a solvent lacquer, thin with up to 20% Sculpt Nouveau Solvent Thinner. Wear gloves, goggles and protective clothing. Do not ingest.

STH08ZSTH

8 oz. Solvent Thinner

STH32ZSTH

32 oz. Solvent Thinner

STH01GSTH

1 gallon Solvent Thinner

**Patina Gel**

Patina Gel turns liquid patinas into a gel patina. The gel allows for easier application to vertical surfaces. To mix, add the gel by weight or volume up to a 1:1 ratio into any liquid patina. The mixed gel patina will typically be lighter in color compared to the original patina.

PTN08ZGEL

8 oz. Patina Gel

PTN32ZGEL

32 oz. Patina Gel

PTN01GGEL

1 gallon Patina Gel

**PRIME-IT**

Prime-It is a tough and durable water-based primer. Sculpt Nouveau's Red Oxide Primer may be applied to all metal surfaces and also to resin castings and For Metal Coatings shiny plastics. Prime-It is a great product to use over polyurethane products before using the Metal Coatings. It is very tough and durable, is water based and has no volatile organic compounds (VOCs).

Instructions for Application:

- (1) Clean metal first with a good quality metal cleaner/degreaser, then sand if possible.
- (2) Clean metal again, then rinse again. (No special prep is needed for other substrates, other than cleaning, although some sanding is recommended.)
- (3) Apply Sculpt Nouveau's Prime-It by brush, roller, sponge or spray. Apply two layers of primer. Wait 2 -6 hours between coats. Wait a minimum of 8 hours (24 hours for best results) before applying the Metal Coating. Waiting longer than 8 hours will not affect the process.
- (4) Clean up with soap and water.

**PRT08ZRED**

8 oz. Red Prime-It

PRT32ZRED

32 oz. Red Prime-It

**Contemporary Patination**

Contemporary Patination, 2nd edition, is a thorough recipe book of hot and cold patinas for bronze, brass and copper.

Instruction and supply lists are provided for buried, fumed, paste, wrapped, multi-layered, hot and cold patinas. Nearly every patina discussed will have an accompanying photograph for visual reference. There are also instructions to preserve, protect and maintain your artwork and trouble-shooting charts for applying patinas and clear top coats. This is a valuable book for sculptors, architects, metal artists, jewelers, conservators, hobbyists and more.

226 Pages, Hardcover, 2nd Edition, 2015

SN PATINA BOOK

GATE HARDWARE

- 342-345** TruClose Hinges
- 346-353** SureClose Hinges
 - 354** KwikFit Aluminum Hinges
 - 355** KwikFit Polymer Hinges & Nationwide Nautilus Aluminum Hinges
 - 356** Locinox Aluminum Hinges
- 357-358** Steel Hinges for Wood, Vinyl & Metal Gates
- 359** Nationwide Chain Link Gate Hinges
- 360** Shut-It Steel Bolt-On Hinges
- 361** Shut-It Steel Barrel Hinges
- 362-363** Shut-It Roller Bearing Hinges
- 364-365** Comunello Steel Hinges
- 366-370** Albatros Bi-Folding Gate System
- 371-373** Steel, Stainless & Aluminum Hinges
 - 374** Latches & Latch Holders
 - 375** Ornamental Gate Latches
 - 376** Gate Stops and Handles
- 377-378** MagnaLatch® & MagnaLatch® Alert
- 379** Locinox Fortima Magnetic Safety Gate Latch
- 380-381** LokkLatch® Gate Latches
 - 382** MagnaLatch® & Gravity Latches
 - 383** LokkLatch® Magnetic Gate Latch
- 384-387** Lockey Keyless Locks
- 388-393** Locinox Swing Gate Locks
- 394-395** Locinox Sliding Gate Locks
 - 396** Locinox Electro-Magnetic Lock
- 397-399** Locinox Mortise Gate Locks
- 400-401** Locinox Accessories
- 402-407** Gate Closers
- 408-409** Panic Hardware
- 410-411** Drop Bolts & Ground Catches
- 412** Gate Accessories





TRUClose®

REGULAR

Adjustable, Self-Closing Hinges for Pool & Safety Gates

PRODUCT FEATURES

- D&D-patented tension adjustment
- Won't rust, bind, sag or stain
- Adjust tension from either end (tension adjustment is always facing up)
- UV-stabilized, super-strong engineered polymer (self-lubricating durability)
- Internal stainless steel closing spring
- Increased performance over previous models
- Decorative trim covers included - no visible fasteners
- Trim covers to co-ordinate with LokkLatch MAGNETIC
- Regular Range self-closes gates up to 66 lb (30kg)

Self closing
max. gate
weight
66lbs



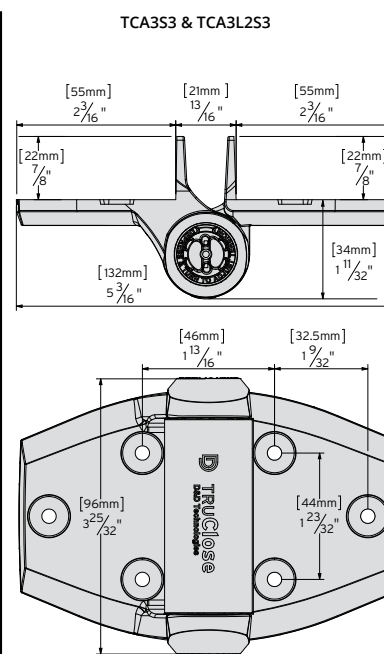
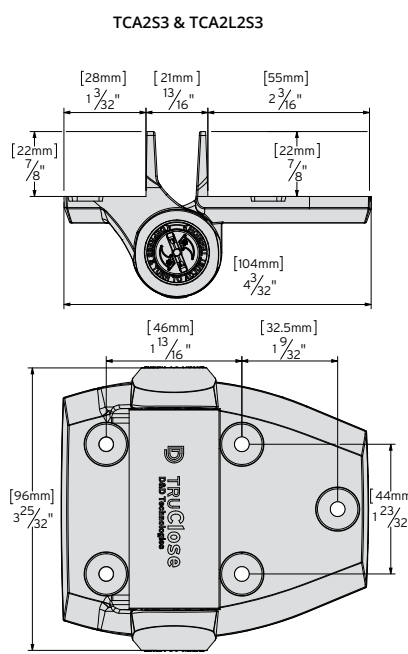
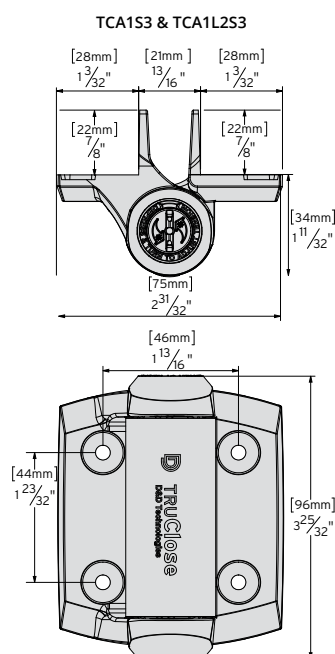
TruClose® Hinge Safety Cap

Optional. Helps prevent toddlers from using bottom hinge as a climbing foothold.
CODE: TCACAP53



CODE	TRIM FINISH	GATE MATERIAL	SIDE LEGS	IDEAL GAP	GAP VARIANCE	SOLD AS
TCA1S3BT	Black	Metal	-	3/4" (19mm)	1 1/32" - 7/8" (9-22mm)	1 Pair
TCA1S3ST	Brushed	Metal	-	3/4" (19mm)	1 1/32" - 7/8" (9-22mm)	1 Pair
TCA1S3WT	White	Metal	-	3/4" (19mm)	1 1/32" - 7/8" (9-22mm)	1 Pair
TCA1L2S3BT	Black	Metal	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCA1L2S3ST	Brushed	Metal	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCA1L2S3WT	White	Metal	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCA2S3BT	Black	Metal/Wood	-	3/4" (19mm)	1 1/32" - 7/8" (9-22mm)	1 Pair
TCA2L2S3BT	Black	Metal/Wood	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCA3S3BT	Black	Vinyl/Wood	-	3/4" (19mm)	1 1/32" - 7/8" (9-22mm)	1 Pair
TCA3L2S3BT	Black	Vinyl/Wood	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCA3L2S3WT	White	Vinyl/Wood	2 Legs	-	Fixed at 13/16" (21mm)	1 Pair
TCACAP53	Black	Safety Cap	-	-	-	1 Each

Simple tension
adjustment



ALL DIMENSIONS ARE APPROXIMATE.



TRUClose

HEAVY DUTY

Self-Closing Hinges for High-Traffic & Pool Gates

PRODUCT FEATURES

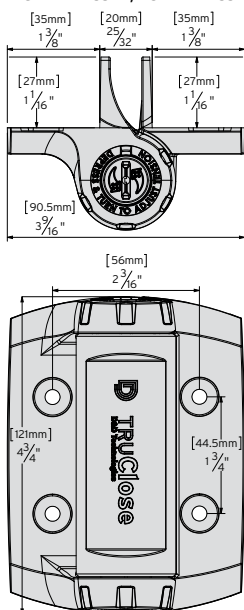
- D&D-patented tension adjustment
- Won't rust, bind, sag or stain
- Adjust tension from either end (tension adjustment is always facing up)
- UV-stabilized, super-strong engineered polymer (self-lubricating durability)
- Internal stainless steel closing spring
- Increased performance over previous models
- Decorative trim covers included - no visible fasteners
- Trim covers to co-ordinate with LokkLatch MAGNETIC
- Heavy Duty Range self-closes gates up to 154 lb (70kg)

Self closing
max. gate
weight
154lbs

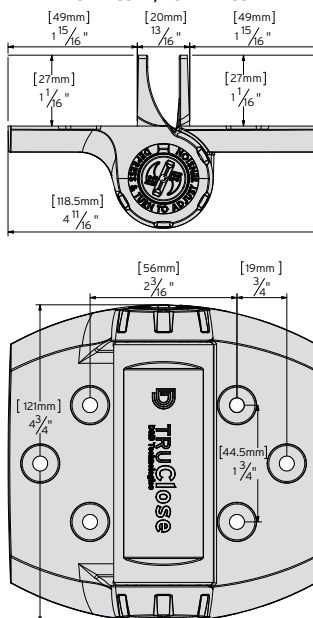


CODE	TRIM FINISH	GATE MATERIAL	SIDE LEGS	IDEAL GAP	GAP VARIANCE	SOLD AS
TCHD1AS3BT	Black	Metal	-	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1AS3CT	Chrome	Metal	-	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1AS3ST	Brushed	Metal	-	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1AS3WT	White	Metal	-	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1AL1S3BT	Black	Metal	1 Leg	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1AL2S3CT	Chrome	Metal	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHD1AL2S3ST	Brushed	Metal	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHD1AL2S3WT	White	Metal	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHD1AL2S3BT	Black	Metal	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHD1S3BT	Black	Metal/Wood/Vinyl	-	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD1L2S3BT	Black	Metal/Wood/Vinyl	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHD2L1S3BT	Black	Vinyl/Wood	1 Leg	3/4" (19mm)	1 1/32" -1" (9-25mm)	1 Pair
TCHD2L2S3BT	Black	Vinyl/Wood	2 Legs	Fixed at 13/16" (21mm)	-	1 Pair
TCHDCAPS3	Black	Safety Cap	-	-	-	1 Each

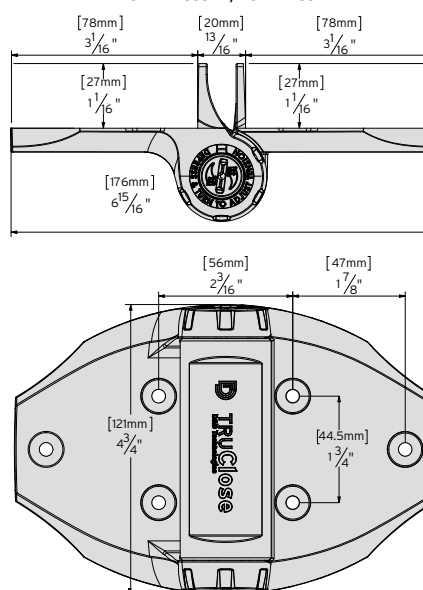
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TCHD1AL1S3BT, TCHD1AL2S3BT



TCHD1S3BT, TCHD1L2S3BT



TCHD2L1S3BT, TCHD2L2S3BT



ALL DIMENSIONS ARE APPROXIMATE.



MULTIADJUST™

Highly Adjustable Gate Hinges for Vinyl & Wood Gates

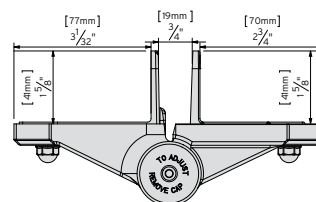
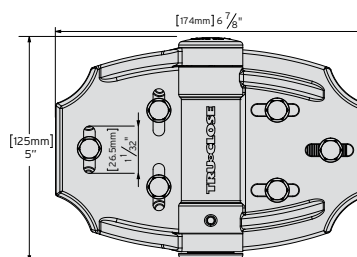
PRODUCT FEATURES

- 3-way adjustment - vertical, horizontal & tension
- Self-closes wood and vinyl gates up to 132 lb (60kg)
- Up to 3/4" (19mm) adjustment
- UV stabilized, super-strong engineered polymer (self-lubricating durability)
- Internal stainless steel spring and components
- Only one person needed to hang large gates
- Combine with D&D latches for maximum vertical & horizontal adjustment

CODE	GATE MATERIAL	IDEAL GAP	GAP VARIANCE	COLOR
TCHDMA1	Wood & Vinyl	1" (25mm)	5/8" - 1 3/8" (16-35mm)	Black
TCHDMA1WT	Wood & Vinyl	1" (25mm)	5/8" - 1 3/8" (16-35mm)	White



Self closing
max. gate
weight
132lbs



MINIMULTIADJUST™

3-way Adjustable, Self-Closing Hinges

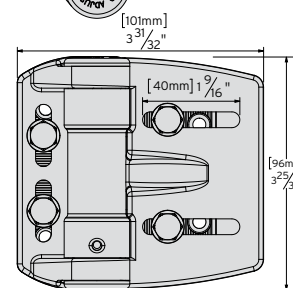
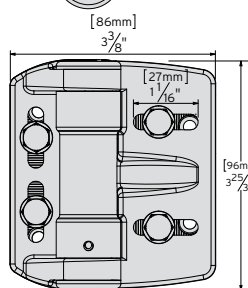
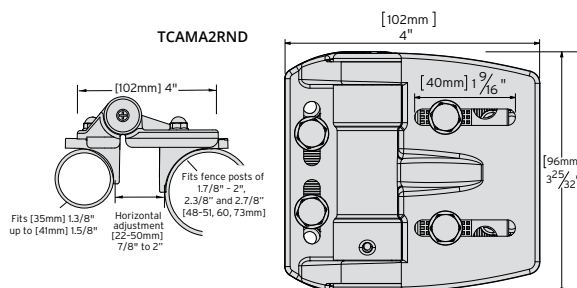
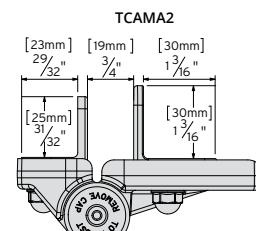
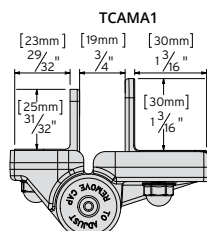
PRODUCT FEATURES

- 3-way adjustment - Vertical, horizontal & tension
- Fits gate gaps up to 2" (50mm)
- Self-closes gates up to 55 lb (25kg)
- UV stabilized, super-strong engineered polymer (self-lubricating durability)
- Internal stainless steel spring and components
- Round post model for Chainlink gates available
- Use with D&D latches for maximum adjustment

CODE	GATE MATERIAL	IDEAL GATE GAP	GAP VARIANCE	COLOR
TCAMA1	Metal, Wood, Vinyl	1 1/8" (29mm)	7/8" - 1 1/2" (22-38mm)	Black
TCAMA2	Metal, Wood, Vinyl	1 3/8" (35mm)	7/8" - 2" (22-50mm)	Black
TCAMA2WT	Metal, Wood, Vinyl	1 3/8" (35mm)	7/8" - 2" (22-50mm)	White
TCAMA2RND	Chainlink	1 3/8" (35mm)	7/8" - 2" (22-50mm)	Black



Self closing
max. gate
weight
55lbs



ALL DIMENSIONS ARE APPROXIMATE.



TRUClose®

ROUND

Self-Closing Heavy Duty Hinges for Round Posts



TCHDRND1S3

Gate frame diameters:

1 3/8" & 1 5/8"

(35 & 41mm)

Post diameters:

1 7/8", 2 3/8" & 2 7/8"

(48, 60 & 73mm)

Self closing
max. gate
weight
132lbs



TCHDRND2S3

Gate frame diameters:

1 7/8" (48mm)

Post diameters:

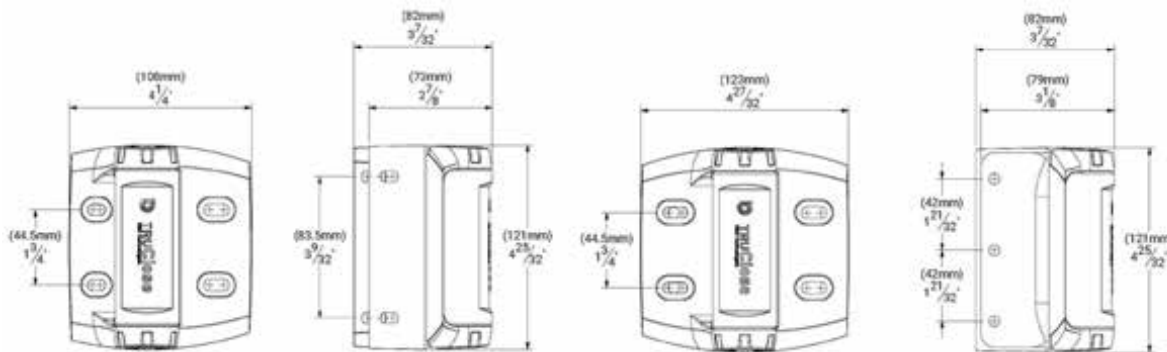
1 7/8" & 2 7/8"

(48 & 73mm)

PRODUCT FEATURES

- Easy tension adjustment from both ends
- Self-close gates up to 132lb (60kg)
- Updated, stylish Series 3 body design
- Includes adaptors to fit most post and gate diameters
- Right- or left-handed gate-swing installation
- Side-fixing legs for fast alignment and extra fixing strength
- Industrial-strength polymer will not rust, bind, sag or stain
- Internal stainless steel springs and components
- All fasteners included

CODE	GATE MATERIAL	IDEAL GAP	GAP VARIANCE	COLOR
TCHDRND1S3	Chainlink	1" (25mm)	3/8" - 1 3/8" (19-35mm)	Black
TCHDRND2S3	Chainlink	1" (25mm)	3/8" - 1 3/8" (19-35mm)	Black



DECOMOLD™

Decorative-Style, Self-Closing Polymer T-Hinge

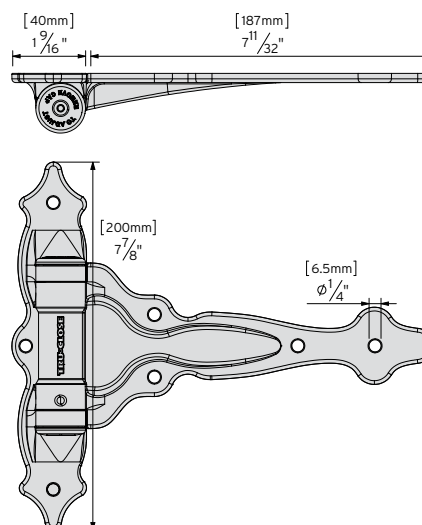
PRODUCT FEATURES

- Self-closing T-Hinge for light-mid weight wood/vinyl gates
- Won't rust, bind, sag or stain
- Self-close gates up to 55 lb (25kg)
- Super-strong engineering polymer and stainless steel spring
- Thicker, molded rib through the center of the hinge leaf adds strength
- Fasteners included

Self closing
max. gate
weight
55lbs



CODE	GATE MATERIAL	IDEAL GATE GAP	GAP VARIANCE	COLOR
TCA4	Wood/Vinyl	3/4" (19mm)	1/4" - 7/8" (6-22mm)	Black



ALL DIMENSIONS ARE APPROXIMATE.



SUREClose®

READYFit

Hydraulic Gate Hinge-Closers. Externally Mounted.

A hinge-closer in one small, powerful package

PRODUCT FEATURES

- Hidden hydraulics for quiet, controlled closing
- Screw-on or weld-on, screws and brackets included
- Weld-on models feature proprietary finish – no need to grind off before welding!
- For gate gaps of ½"–1¾" (12-35mm)
- Alignment legs give double face-fixing strength
- Final Snap-Close Action in all "108" models
- Emergency override feature for safety and longevity
- Minimum fence post size 2" (50mm)

SureClose RF108



Adjustable self-closing speed and final snap-close action

SureClose RFSM



Non-self-closing. Load bearing hinge

CODE	MODEL	TYPE	BRACKET	GAP VARIANCE	SELF-CLOSING FROM	MAXIMUM GATE SWING	FINAL SNAP-CLOSE ACTION	POOL/CHILD SAFETY**	FENCE POST SIZE MINIMUM
74001313T	RF SM S	Hinge	Aluminum Screw-on	½" - 1 ¾" (12-35mm)	-	180°	-	-	2" (50mm)
74001315T	RF SM W	Hinge	Steel Weld-on	½" - 1 ¾" (12-35mm)	-	180°	-	-	2" (50mm)
74108313T	RF 108 S	Hinge/Closer	Aluminum Screw-on	½" - 1 ¾" (12-35mm)	85°	180°	Yes	-	2" (50mm)
74108315T	RF 108 W	Hinge/Closer	Steel Weld-on	½" - 1 ¾" (12-35mm)	85°	180°	Yes	-	2" (50mm)
74108323T	RF 108SF S	Hinge/Closer & Safety Feature	Aluminum Screw-on	½" - 1 ¾" (12-35mm)	90°	90°	Yes	Yes**	2" (50mm)
74108325T	RF 108SF W	Hinge/Closer & Safety Feature	Steel Weld-on	½" - 1 ¾" (12-35mm)	90°	90°	Yes	Yes**	2" (50mm)
7403	RF Gate Stop	ReadyFit GateStop for SF Models	Weld or Screw-on						

**Yes (SF) = Gate will not hold open at 90° (OK for safety gates). Do NOT use a hinge with a 90° hold-open feature (-) for pool/child safety gates.
CAUTION: A gate stop must be installed when using SF models. Gate must not be allowed to open past 90°. Doing so voids warranty.

Hinge Combinations	Max self-Closing Gate Weight Max*
108 + SM	180 lb (80kg)
108 + 108	260 lb (120kg)
Access Control	Weight Capacity
SM + SM	1,500 lb (680kg)

***CAUTION:**
Based on max gate size 72"H x 40"W (1800x1000mm). For gates with greater HxW, or if weather conditions such as wind play a role, use hinge combinations with higher self-closing weight ratings.

SUREClose® READYFit

GATE FUNCTION

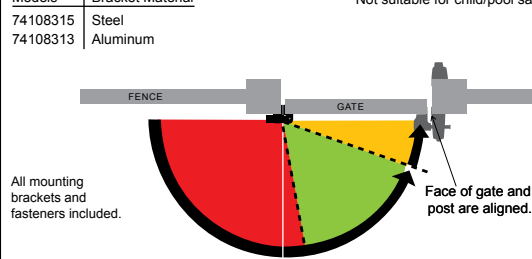
- Hold-open
Not for safety gates
- Final snap-close action
For electric/coded locks
- Self-closing
Speed adjustable
- Free-swinging

ReadyFit Brackets

Models	Bracket Material
74108315	Steel
74108313	Aluminum

SELF-CLOSING - NON SAFETY

Not suitable for child/pool safety

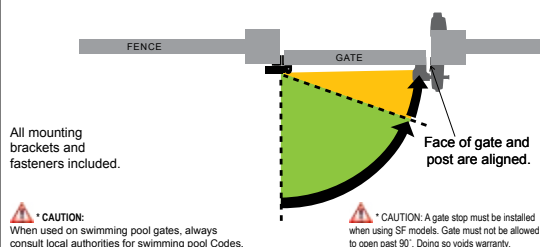


ReadyFit Brackets

Models	Bracket Material
74108325	Steel
74108323	Aluminum

SELF-CLOSING - SAFETY (SF Model)

Suitable for child/pool safety*
DO NOT PROP GATE OPEN

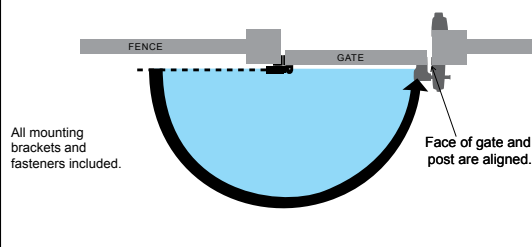


ReadyFit Brackets

Models	Bracket Material
74001315	Steel
74001313	Aluminum

NON SELF-CLOSING

Not suitable for child/pool safety



ALL DIMENSIONS ARE APPROXIMATE.



Hydraulic, Hinge-Closer System
Self-closes Heavy-Duty Gates from 180°

Powerful, dependable commercial-grade hinge-closers

PRODUCT FEATURES

- Self-closes and soft-closes gates from 180°
- Closes gates up to 180 lb
- Industry-best 5-Year Warranty*
- Highly adjustable: vertical, horizontal, closing force & final-snap action
- Anti-back slam feature gradually slows opening gate speed after 90°, preventing damage
- Suitable for ADA usage
- Highly tamper resistant, with stainless steel security Torx screws
- Models with aluminum and steel brackets (screw-on & weld-on)
- Serviceable: replacement piston cartridges will extend closer life
- Minimum 2" fence post width
- For gate gaps of ½"-1¾"

Self closing
max. gate
weight
180lbs



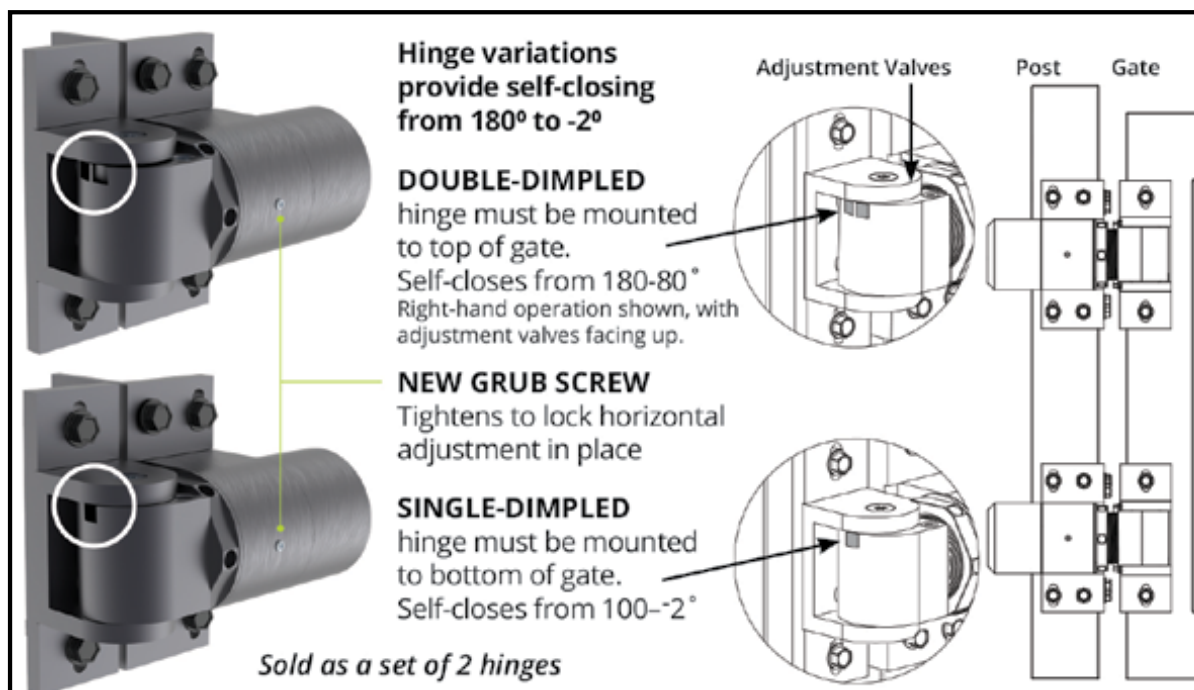
CODE	MODEL	MOUNTING	GAP VARIANCE	SELF-CLOSING FROM	MAXIMUM GATE OPENING	ADJUSTABLE CLOSING SPEED	FINAL SNAP-CLOSE ACTION	POOL/ CHILD SAFETY**	MAX. SELF-CLOSE WEIGHT	MINIMUM POST SIZE
74108333T	RF 108S S 180	Alum Weld or Screw	½" - 1 ¾" (12-35mm)	180°	180°	Yes	Yes	Yes**	180 LB	2" (50mm)
74108335T	RF 108S W 180	Steel Weld or Screw	½" - 1 ¾" (12-35mm)	180°	180°	Yes	Yes	Yes**	180 LB	2" (50mm)

* **WARRANTY CONDITIONS** vary according to gate or door application and usage. See full Warranty details and limitations on D&D Technologies' website.

** (SF) = Caution Not suitable for child/pool safety gates unless a gate-stop is installed at a maximum of 170°. DO NOT PROP GATE OPEN.

When used on a swimming pool gate always consult local authorities for swimming pool fencing codes.

Forcing a gate beyond a 180° opening will damage the hinges and void the Warranty.



ALL DIMENSIONS ARE APPROXIMATE.



SUREClose[®]

CONCEALFit

World's only Concealed Door Closer & Hinge all-in-one



Self closing
max. gate
weight
220lbs

PRODUCT FEATURES

- Powerful, hidden hydraulic closure
- Hydraulics concealed internally (never add fluid)
- Easily accessed, adjustable self-closing and self-latching speed valves
- Concealed mechanisms for a stylish, clean, distinctive look and burglary resistant
- Easily installed internally - within the door or frame
- Decorative dress covers included
- Tested to over 1 million open-close cycles
- Meets ADA requirements
- Quietly, self-closes doors up to 220 lbs (100kg)



77108523
CLOSER + HINGE



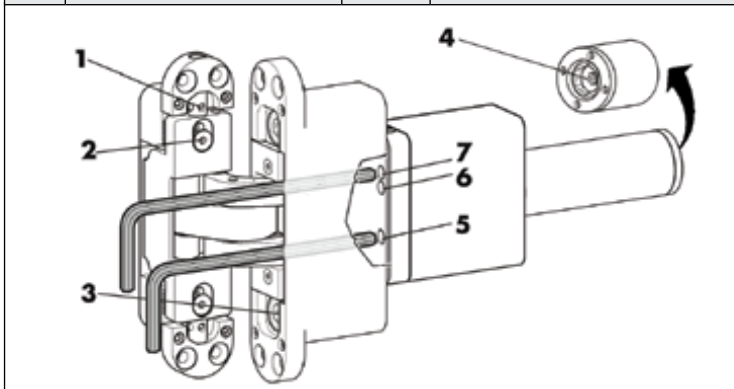
78108513
PLAIN PIVOT HINGE

CODE	MODEL	MAX DOOR OPENING	ADJUSTABLE CLOSING SPEED	FINAL SNAP-CLOSE ACTION	VERTICAL (DOOR HEIGHT) ADJUSTABILITY	DEPTH & INCLINATION ADJUSTABILITY	MAX. SELF-CLOSING WEIGHT
77108523	SureClose [®] CONCEALFIT KIT (Hinge/Closer + Hinge Only)	125°	Yes	Yes (12°-0°)	+/- 5/64" (2mm)	5/64" (2mm) - 15/64" (6mm)	220 lbs
78108513	Hinge (Single Unit)	125°	No	No	+/- 5/64" (2mm)	5/64" (2mm) - 15/64" (6mm)	N/A

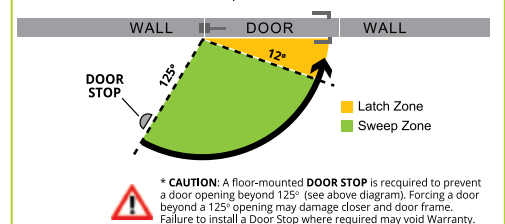
* **WARRANTY CONDITIONS** vary according to door or gate application and usage. See full Warranty details and limitations on D&D Technologies' website.
Door reinforcement hardware available for hollow-core doors. Routing templates and drill jig available for wood doors and frames. Weld boxes available for metal gates.

7 DIFFERENT ADJUSTMENTS FOR PERFECT INSTALLATION

REF	ADJUSTMENT	UNIT	RANGE
1	Door Height (Vertical)	Both	+/- 5/64" (2mm) with 0.04" (1mm) steps
2	Lateral	Both	+/- 1/16" (1.25mm)
3	Depth and Inclination	Both	Gap between post and door leaf is adjustable from 5/64" (2mm) - 15/64" (6mm)
4	Door Spring Closing Force	Closer	330lbf-395lbf (1470N-1755N)
5	Door Sweep Closing Speed	Closer	125° to 0°
6	Door Sweep Opening Angle	Closer	Steps at 60°, 80°, 100° and 125°
7	Door Latching Speed	Closer	Between 12° - 0°



STRONG, SELF-CLOSING PERFORMANCE Product Code | Description
77108523 | Hydraulic Door Closer With a Plain Door Hinge



ONE PAIR, CLOSER + HINGE COMBINATION

Maximum Door Weight	220 lbs (100kg)
Maximum Door Width	48" (1220mm)
Minimum Door Thickness	1.6" (40mm)
Maximum Opening Angle	125°
Final snap-close action	12° - 0°



ALL DIMENSIONS ARE APPROXIMATE.



SUREClose®

Heavy duty, Hydraulic, Gate Hinge-Closers.
Flush & Center (internally) mounted

Mounting Brackets:

A variety of gate brackets allow for virtually any square-post mounting application:

- Steel or Aluminum
- Fastened or Welded
- Flush mount or center mount



NOTE: Flush and Center Mount model post brackets are sold separately. Fasteners not included.



Multiple Adjustment Options:

- Self-closing speed and force
- Final snap-close action
- Horizontal adjustment with Center Mount model
- ADA compliant

Dual Bearing Glide System™:

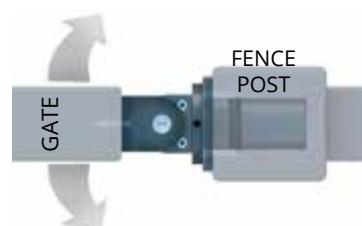
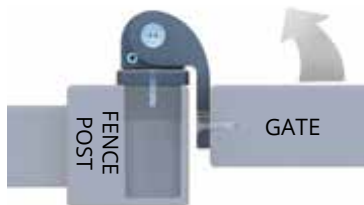
Two rows of bearings for consistently superior performance.
 (SM models only)

Powerful, hidden hydraulics... that don't leak!

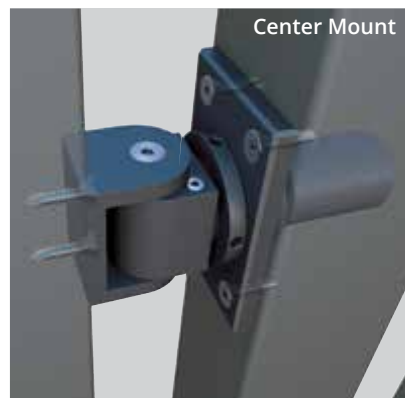
Hydraulics inside the hinge are concealed within the fence post providing a small footprint. Controlled, quiet close in a tamper resistant, compact design. No need to ever add fluid. (57 & 108 models)

Flush Mount swings in or out

Center Mount swings in & out



Hinge Combinations	Self-Closing Gate Weight Max*
57 + SM	90 lb (40kg)
57 + 57	180 lb (80kg)
108 + SM	180 lb (80kg)
108 + 108	260 lb (120kg)
Access Control	Weight Capacity
SM + SM	1,500 lb (680kg)
*CAUTION: Based on max gate size 72"H x 40"W (1800x1000mm). For gates with greater HxW, or if weather conditions such as wind play a role, use hinge combinations with higher self-closing weight ratings.	



ALL DIMENSIONS ARE APPROXIMATE.

GATE FUNCTION

- Hold-open
Not for safety gates
- Final snap-close action
For electric/coded locks
- Self-closing
Speed adjustable
- Free-swinging

Flush Mount Brackets <table border="1"> <thead> <tr> <th>Models</th> <th>Bracket Material</th> </tr> </thead> <tbody> <tr> <td>75108214</td> <td>Steel</td> </tr> <tr> <td>75108213</td> <td>Aluminum</td> </tr> </tbody> </table> SELF-CLOSING - NON SAFETY Not suitable for child/pool safety Use post bracket: 7525 Steel 7515 Aluminum Flush Mount: Face of gate and post are aligned.	Models	Bracket Material	75108214	Steel	75108213	Aluminum	Flush Mount Brackets <table border="1"> <thead> <tr> <th>Models</th> <th>Bracket Material</th> </tr> </thead> <tbody> <tr> <td>75108224</td> <td>Steel</td> </tr> <tr> <td>75108223</td> <td>Aluminum</td> </tr> </tbody> </table> SELF-CLOSING - SAFETY (SF Model) Suitable for child/pool safety* DO NOT PROP GATE OPEN Use post bracket: 7525 (W) 7515 Aluminum Flush Mount: Face of gate and post are aligned. * CAUTION: When used on swimming pool gates, always consult local authorities for swimming pool Codes. * CAUTION: A gate stop must be installed when using SF models. Gate must not be allowed to open past 90°. Doing so voids warranty.	Models	Bracket Material	75108224	Steel	75108223	Aluminum
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75001113	Aluminum												

ALL DIMENSIONS ARE APPROXIMATE.

Center Mount



SM S
Item#: 75001113
NON-SELF-CLOSING



57 S
Item#: 75057113
SELF-CLOSING FROM 85°
• Holds gate open at 90°



57SF S
Item#: 75057123
SELF-CLOSING FROM 90°

108 S
Item#: 75108113
SELF-CLOSING FROM 85°
• Holds gate open at 90°
• With Final Snap Action

108 SF S
Item#: 75108123
SELF-CLOSING FROM 90°
• With Final Snap Action

Item #*	Type	Description	Self-Closing From	Max Gate Swing	Final Snap Action	Pool/ Child Safety**	Horiz Adjust.	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
75001113	SM S	Heavy-Duty Hinge	-	90°	-	-	Yes	2½"-3" (64-76mm)	2½" (64mm)	Center	1.08
75057113	57 S	Heavy-Duty Hydraulic Closer & Hinge	85°	90°	-	-	Yes	2½"-3" (64-76mm)	2½" (64mm)	Center	1.30
75057123	57SF S	Heavy-Duty Hydraulic Closer & Hinge	90°	90°	-	Yes	Yes	2½"-3" (64-76mm)	2½" (64mm)	Center	1.30
75108113	108 S	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	85°	90°	Yes	-	Yes	2½"-3" (64-76mm)	3" (76mm)	Center	1.80
75108123	108SF S	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	90°	90°	Yes	Yes	Yes	2½"-3" (64-76mm)	3" (76mm)	Center	1.80

*Gate mounting brackets included with hinge. Post mounting brackets sold separately. Fasteners not included.

**Use only SF type closers on pool/safety gates.

Flush Mount



SM AT90 S
Item#: 75001213
NON-SELF-CLOSING



57 AT90 S
Item#: 75057213
SELF-CLOSING FROM 85°
• Holds gate open at 90°



57SF AT90 S
Item#: 75057223
SELF-CLOSING FROM 90°

108 AT90 S
Item#: 75108213
SELF-CLOSING FROM 85°
• Holds gate open at 90°
• With Final Snap Action

108SF AT90 S
Item#: 75108223
SELF-CLOSING FROM 90°
• With Final Snap Action

Item #*	Type	Description	Self-Closing From	Max Gate Swing	Final Snap Action	Pool/ Child Safety**	Horiz Adjust.	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
75001213	SM AT90 S	Heavy-Duty Hinge	-	180°	-	-	-	½" (13mm)	2" (50mm)	Flush	1.17
75057213	57 AT90 S	Heavy-Duty Hydraulic Closer & Hinge	85°	180°	-	-	-	½" (13mm)	2" (50mm)	Flush	1.38
75057223	57SF AT90S	Heavy-Duty Hydraulic Closer & Hinge	90°	90°	-	Yes	-	½" (13mm)	2" (50mm)	Flush	1.38
75108213	108 AT90 S	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	85°	180°	Yes	-	-	½" (13mm)	3" (76mm)	Flush	1.90
75108223	108SF AT90 S	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	90°	90°	Yes	Yes	-	½" (13mm)	3" (76mm)	Flush	1.90

*Gate mounting brackets included with hinge. Post mounting brackets sold separately. Fasteners not included.

**Use only SF type closers on pool/safety gates.

Post Mounting Brackets

Aluminum Screw-On Options (Sold Separately)



Item#: 7511
Center Mount



Item#: 7512
Center Mount



Item#: 7513
Center Mount



Item#: 7514
Center Mount



Item#: 7515
Flush Mount

Item #	Type	Description	Max Gate Swing	Horiz. Adjust	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
7511	6026-01	Aluminum	90°	Yes	2½"-3" (64-76mm)	2½" (64mm)	Center	0.56
7512	6026-02	Aluminum	90°	Yes	2½"-3" (64-76mm)	2½" (64mm)	Center	0.49
7513	6026-03	Aluminum	90°	Yes	2½"-3" (64-76mm)	4" (102mm)	Center	0.64
7514	6026-04	Aluminum with Side Fixing Clamp	90°	-	2½" (64mm)	2 ½" (64mm)	Center	0.52
7515	6026-05	Aluminum	180°	-	½" (13mm)	2" (50mm)	Flush	0.35

ALL DIMENSIONS ARE APPROXIMATE.

SURECLOSE® FOR STEEL GATES (WELD-ON)

Center Mount



SM W
Item#: 75001114
NON SELF-CLOSING



57 W
Item#: 75057114
SELF-CLOSING FROM 85°
• Holds gate open at 90°

57SF W
Item#: 75057124
SELF-CLOSING FROM 90°



108 W
Item#: 75108114
SELF-CLOSING FROM 85°
• Holds gate open at 90°
• With Final Snap Action

108SF W
Item#: 75108124
SELF-CLOSING FROM 90°
• With Final Snap Action

Item #*	Type	Description	Self-Closing From	Max Gate Swing	Final Snap Action	Pool/Child Safety**	Horiz Adjust.	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
75001114	SM W	Heavy-Duty Hinge	-	90°	-	-	Yes	2½-3" (64-76mm)	2½" (64mm)	Center	1.41
75057114	57 W	Heavy-Duty Hydraulic Closer & Hinge	85°	90°	-	-	Yes	2½-3" (64-76mm)	2½" (64mm)	Center	1.63
75057124	57SF W	Heavy-Duty Hydraulic Closer & Hinge	90°	90°	-	Yes	Yes	2½-3" (64-76mm)	2½" (64mm)	Center	1.63
75108114	108 W	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	85°	90°	Yes	-	Yes	2½-3" (64-76mm)	3" (76mm)	Center	2.14
75108124	108SF W	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	90°	90°	Yes	Yes	Yes	2½-3" (64-76mm)	3" (76mm)	Center	2.14

*Gate mounting brackets included with hinge. Post mounting brackets sold separately. Fasteners not included. **Use only SF type closers on pool/safety gates.

Flush Mount



SM AT90 W
Item#: 75001214
NON-SELF-CLOSING



57 AT90 W
Item#: 75057214
SELF-CLOSING FROM 85°
• Holds gate open at 90°

57SF AT90 W
Item#: 75057224
SELF-CLOSING FROM 90°



108 AT90 W
Item#: 75108214
SELF-CLOSING FROM 85°
• Holds gate open at 90°
• With Final Snap Action

108SF AT90 W
Item#: 75108224
SELF-CLOSING FROM 90°
• With Final Snap Action

Item #*	Type	Description	Self-Closing From	Max Gate Swing	Final Snap Action	Pool/Child Safety**	Horiz Adjust.	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
75001214	SM AT90 W	Heavy-Duty Hinge	-	180°	-	-	-	½" (13mm)	2" (50mm)	Flush	1.86
75057214	57 AT90 W	Heavy-Duty Hydraulic Closer & Hinge	Yes	180°	-	-	-	½" (13mm)	2" (50mm)	Flush	2.09
75057224	57SF AT90W	Heavy-Duty Hydraulic Closer & Hinge	Yes	90°	-	Yes	-	½" (13mm)	2" (50mm)	Flush	2.09
75108214	108 AT90 W	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	Yes	180°	Yes	-	-	½" (13mm)	3" (76mm)	Flush	2.60
75108224	108SF AT90 W	Heavy-Duty Hydraulic Closer & Hinge w/ Final Snap Action	Yes	90°	Yes	Yes	-	½" (13mm)	3" (76mm)	Flush	2.60

*Gate mounting brackets included with hinge. Post mounting brackets sold separately. Fasteners not included. **Use only SF type closers on pool/safety gates.

Post Mounting Brackets

Aluminum Screw-On Options (Sold Separately)



Item#: 7525
Flush Mount



Item#: 7526
Center Mount

Pool and child safety gate models (SF type) can be identified by the fifth dimple on the end cap.

DO NOT use any non-SF models (4-dimples only) on gates where human safety is critical.

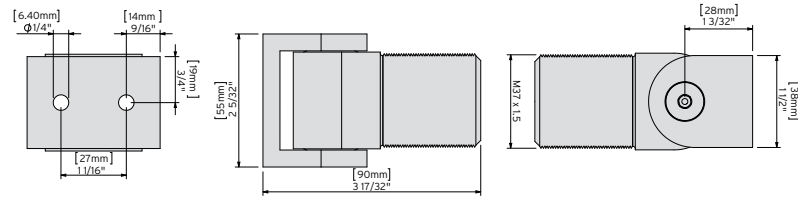


Item	Type	Description	Max Gate Swing	Horiz Adjust.	Hinge Gap	Fence Post Size Min.	Mount Type	Weight (lbs)
7525	0510-04	Steel	180°	-	½" (13mm)	2½" (64mm)	Flush	0.35
7526	0510-05	Steel	90°	Yes	2½-3" (64-76mm)	2½" (64mm)	Center	1.08

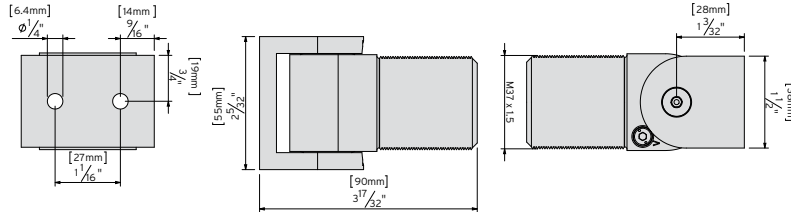
ALL DIMENSIONS ARE APPROXIMATE.

CENTER MOUNT

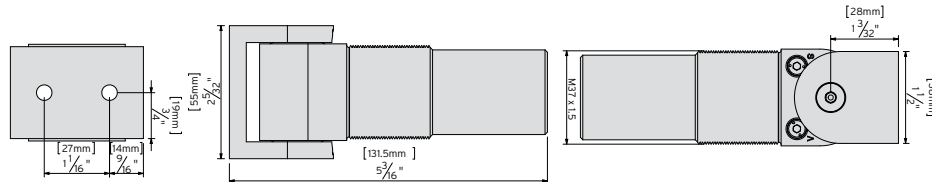
SM S



57 S & 57SF S

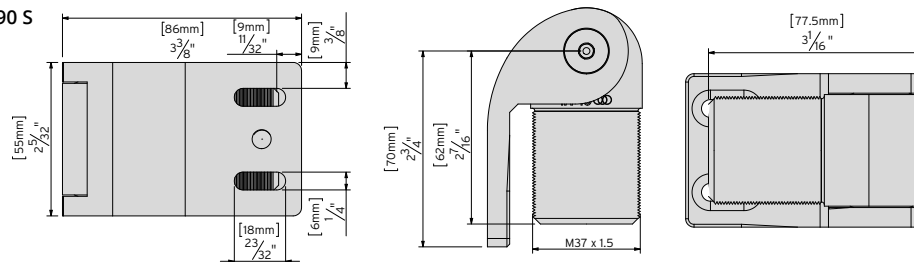


108 S & 108SF S

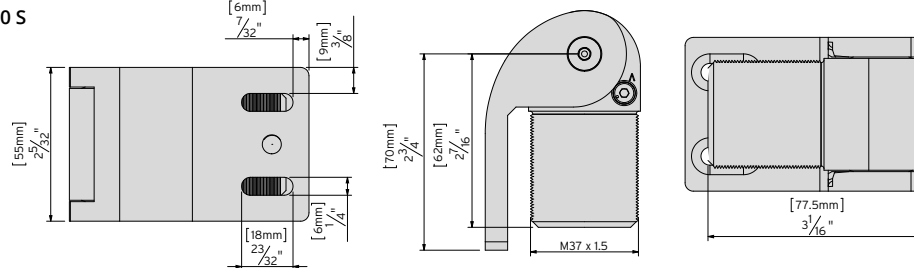


FLUSH MOUNT

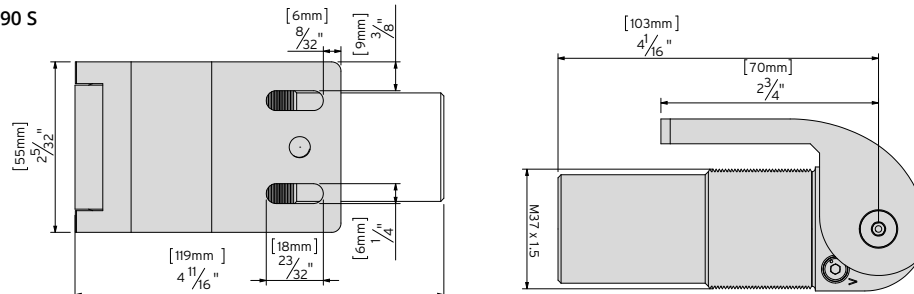
SM AT90 S



57 AT90 S



108 AT90 S



ALL DIMENSIONS ARE APPROXIMATE.



KWIKFit™

ALUMINUM

Self-closing, General-Purpose Adjustable, Gate Hinges



KF3ABL
Mounts to post or wall if no post available

Self closing max. gate weight 44lbs

KF3WT
Alignment ridges for fast and easy installation.



White (Gloss)



KF3L2BR
Two side fixing legs for added strength
Bronze (Satin)



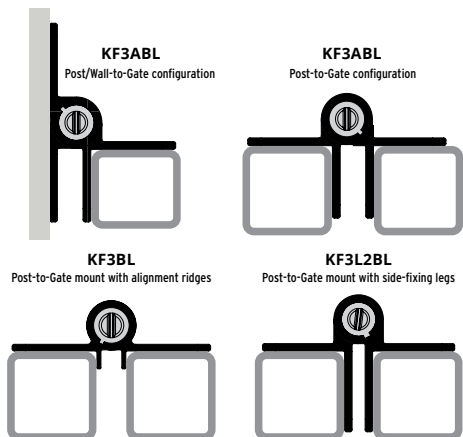
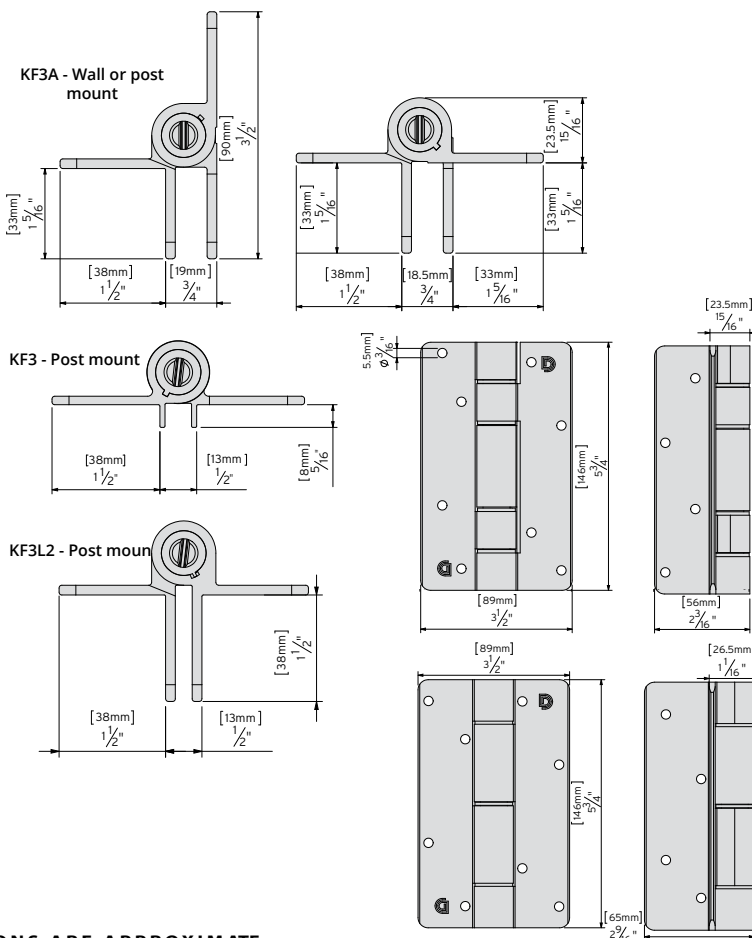
Adjust tension with a screwdriver from either end

PRODUCT FEATURES

- Traditionally styled 5 $\frac{3}{4}$ " (120mm) self-closing hinges
- Aluminum construction with powder-coated finish
- Wall-mount and post-mount models available
- Internal stainless steel closing spring
- D&D-patented tension adjustment
- One-handed tension adjustment from either end (tension adjustment is always facing up)
- Low-friction polymer washer material
- Self-closes gates up to 44 lbs (20kg)
- For metal and wood gates

CODE	COLOR	MODEL/FEATURE	GAP VARIANCE
KF3ABLS	Black	Wall or post mounted	Fixed at $\frac{3}{4}$ " (19mm)
KF3ABRS	Bronze	Wall or post mounted	Fixed at $\frac{3}{4}$ " (19mm)
KF3AWTS	White	Wall or post mounted	Fixed at $\frac{3}{4}$ " (19mm)
KF3BLS	Black	Alignment ridges	Fixed at $\frac{1}{2}$ " (13mm)
KF3BRS	Bronze	Alignment ridges	Fixed at $\frac{1}{2}$ " (13mm)
KF3WTS	White	Alignment ridges	Fixed at $\frac{1}{2}$ " (13mm)
KF3L2BLS	Black	2 Side fixing legs	Fixed at $\frac{1}{2}$ " (13mm)
KF3L2BRS	Bronze	2 Side fixing legs	Fixed at $\frac{1}{2}$ " (13mm)
KF3L2WTS	White	2 Side fixing legs	Fixed at $\frac{1}{2}$ " (13mm)

NOTE: KwikFit Aluminum hinges are sold as pairs. Fasteners included.



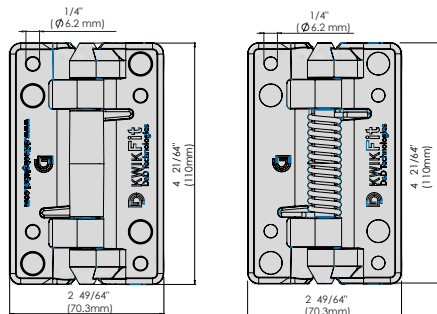
ALL DIMENSIONS ARE APPROXIMATE.

KWIKFit™ POLYMER General-Purpose Gate Hinges for Light to Medium Gates

PRODUCT FEATURES

- Economical gate hinges
- KF3P hinges for gates up to 55lbs (25kg)
- KF3S self-closing hinges for gates up to 44lbs (20kg)
- Super-strong engineering polymer and stainless steel construction
- Won't rust, bind, sag or stain

CODE	COLOR	MODEL/FEATURE	GATE GAP	GATE MATERIAL
KF3P	Black	Plain pivoting - No spring	Fixed at 3/4" (19mm)	Metal, Wood, Vinyl
KF3S	Black	Self-closing - fixed tension	Fixed at 3/4" (19mm)	Metal, Wood, Vinyl



KF3P
No spring,
plain pivoting



KF3S
Self-closing,
fixed tension

KwikFit™ side-fixing legs offer quick and easy alignment of the hinges on gate and fence post. Double face-fixing (i.e. fixes to both face and side of post and gate) also adds strength.



NATIONWIDE INDUSTRIES

NAUTILUS ADJUSTABLE SELF-CLOSING ALUMINUM HINGES

These attractive aluminum hinges are perfect for any light-duty steel or aluminum gate.

- Stainless steel self-drilling screws
- Adjustable horizontally or vertically
- Anti-slam technology
- Adjustable closing speed

4 TYPES OF HINGE PAIRS AVAILABLE (See chart below to determine your gate swing)

NTLS-L-AA-BK

Self closing up to 125 lbs
2 Active Hinges
LEFT HAND HINGE

NTLS-R-AA-BK

Self closing up to 125 lbs
2 Active Hinges
RIGHT HAND HINGE

NTLS-L-AD-BK

Self closing up to 75 lbs
1 Active, 1 Dummy Hinge
LEFT HAND HINGE

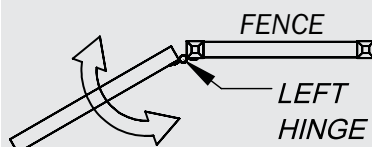
NTLS-R-AD-BK

Self closing up to 75 lbs
1 Active, 1 Dummy Hinge
RIGHT HAND HINGE

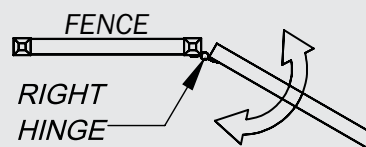


USE OUR GUIDE TO DETERMINE IF YOU NEED A LEFT OR RIGHT-HANDED HINGE

LEFT-HANDED GATE



RIGHT-HANDED GATE



ALL DIMENSIONS ARE APPROXIMATE.



DINOSL - Locinox DINO Hinge in Silver

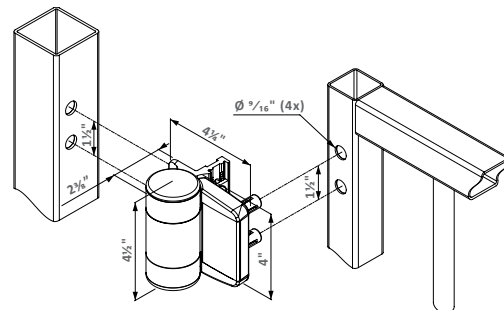


DINOBL - Locinox DINO Hinge in Black

LOCINOX DINO 180° DOUBLE BEARING ADJUSTABLE HINGE FOR GATES UP TO 330 POUNDS

The DINO hinge from Locinox is a double bearing surface mounted hinge that has an opening range of 180°. The DINO accommodates gates up to 5 feet wide with a maximum weight of 330 pounds. These hinges adjust horizontally and vertically and are simple to install thanks to the Quick-Fix mounting system which eliminates the need for welding.

- Opening angle: 180°
- Contains 2 stainless steel bearings
- Mounting Hardware: Anti-theft & vandalism proof
- Combination with Mammoth-180 is possible
- For gates up to 330 lbs (max 5 ft. wide)
- For left & right turning gates
- Aesthetic design
- Powdercoated aluminum casing
- Fast and easy installation: Quick-fix
- Sold individually



CLB-DINO
DINO Hinge Chain Link Bracket



PUMASL - Locinox PUMA Hinge in Silver

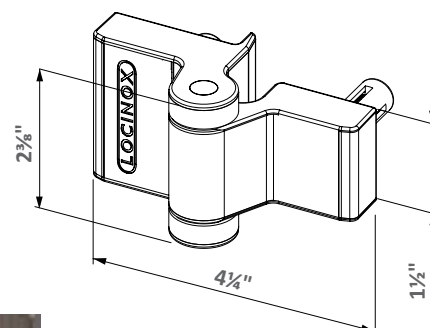


PUMABL - Locinox PUMA Hinge in Black

LOCINOX PUMA 180° SURFACE MOUNTED ADJUSTABLE HINGE FOR GATES UP TO 132 POUNDS

The Puma hinge is a compact surface-mounted hinge with a powder coated aluminum housing. Its 180° opening angle together with its vertical and horizontal adjustability make the hinge flexible. Simple to install thanks to the Quick-Fix fastening system; no welding needed. This hinge easily supports gates up to 3.5 ft wide and 132 lbs. The Puma hinge's aesthetic design perfectly fits aluminum and smaller residential gates.

- 180° opening and closing angle
- Resistant to extreme weather conditions thanks to the stainless steel hinge axle
- For gates up to 3.5 ft wide and 132 lbs
- For left and right opening gates
- Aesthetic design & powdercoated aluminium casing
- 13/16" height-adjustable
- Easy mounting with Quick-Fix
- 1/2" width-adjustable
- Sold individually



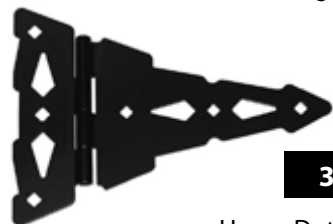
ALL DIMENSIONS ARE APPROXIMATE.

STEEL HINGES FOR WOOD, VINYL & METAL GATES



310004

Heavy Duty Traditional
8" T-Hinge



310007

Heavy Duty Contemporary
8" T-Hinge



310006

Heavy Duty Traditional
8" Strap Hinge



310008

Heavy Duty Contemporary
8" Strap Hinge



310009

Contemporary
8" Butterfly Hinge



310010

Traditional
8" Butterfly Hinge

Hinges sold per pair



KMS-DCH-4



4" Mild Steel Commercial Post & Wall Mount Dallas Hinge

For Use With: Iron and Wood

Originally designed for the Dallas Cowboy Stadium, in Dallas, Texas, these are true 180 degrees hinges. Designed to mount on wall or pillar face larger than 4", with a minimum gate frame of 3/4".

Furnished with 1/4" Super Tek Screws.



KCLH-4D



4" Mild Steel Hot-Dipped Galvanized Brackets

For Use With: Chain Link and Pipe Steel

4" diameter post side bracket with a gate side bracket for a 1-5/8" to 1-7/8" diameter gate frame. Swings 180 degrees.



KMS-HDEMBCHS



Mild Steel Adjustable Commercial Duty Embassy Hinge

For Use With: Iron and Wood

Made of Stainless steel, with mild steel brackets. Designed for use with steel or iron gates. Gate side bracket adjusts 1/2" - 2-3/4". Mild steel bracket and stainless steel t-rod and nuts.

Furnished with 5/16" large Super Tek screws for installation. Fits 2" post, 2" gate frame. Removable E-Clip, furnished with security screw.

Commonly used on drive gates and enclosures. Use stainless steel version on aluminum gates or harsh environments. Swings 180 degrees.



KMS-HDEMBIHS



Mild Steel Adjustable Industrial Duty Embassy Hinge

For Use With: Iron and Wood

Made of Stainless steel, with mild steel brackets. Used with large scale steel and iron gates. Gate side bracket adjusts from 5/8" - 3", stainless steel T-Rod, nuts, self-lubricating bushing and Super Tek Screws for locating of hinges. Removable E-Clip, furnished with security screw.

Commonly used on large drive gates and enclosures, zoo fencing and high security settings.

ALL DIMENSIONS ARE APPROXIMATE.

STEEL HINGES FOR WOOD, VINYL & METAL GATES

Hinges sold per pair



KMS-10I-HB



Made in the USA

1" Adjustable **Mild Steel** Ornamental Iron Hinge

For Use With: Iron and Wood

Designed for 1" and larger steel frame gates. Post can be 1" or larger. The post and gate brackets are mild steel all the other parts are stainless steel.

Supplied with self drilling screws. Hinges made with bearings and removable clevis pin. Swings 180 degrees.



KSS-10I-HB



Made in the USA

1" Adjustable **Stainless Steel** Ornamental Embassy Iron Hinge

For Use With: PVC, Iron, Aluminum and Wood

100% Stainless Steel. This hinge is designed for 1" or larger steel frame gates, and the post can be 1" or larger.

Shipped with self drilling screws. Hinges are made with bearings and a removable clevis pin. Swings 180 degrees.



KSS-20I-H



Made in the USA

2" Adjustable **Stainless Steel** Ornamental Embassy Iron Hinge

For Use With: PVC, Iron, Aluminum and Wood

100% stainless Steel. This hinges is designed for 1-1/2" and larger steel frame gates. Post can be any size 2" or larger.

Shipped with Tek screws for mounting. Hinges made with bearings and a removable clevis pin. Swings 180 degrees. Black or white powder coat finish. Patent #727-133.



KSS-3X3HS



Made in the USA

3" Adjustable **Stainless Steel** Residential Hinge

For Use With: PVC, Iron, Aluminum and Wood

100% Stainless Steel. Designed for 3" and larger gate frames. Post can be any size 3" or larger.

Shipped with stainless steel screws. Hinges made with bearings and removable clevis pin. Swings 180 degrees.



KSS-3XTHS



Made in the USA

3" Adjustable **Stainless Steel** Residential Strap Hinge

For Use With: PVC, Iron, Aluminum and Wood

100% Stainless Steel. This hinge combines a 3" post mount bracket with an 8" long decorative bracket. It works great for both wood and vinyl applications. Designed for 3" and larger gate frames or solid panels. Post can be any size 3" or larger.

Shipped with stainless steel screws. Hinges made with bearings and removable clevis pin. Swings 180 degrees.



KSS-35X35XHS



Made in the USA

3-1/2" Adjustable **Stainless Steel** Residential Iron Hinge

For Use With: PVC, Iron, Aluminum and Wood

100% Stainless Steel. Designed for 3-1/2" and larger gate frames. Post can be any size 3-1/2" or larger.

Shipped with stainless steel screws. Hinges made with bearings and removable clevis pin. Swings 180 degrees.

ALL DIMENSIONS ARE APPROXIMATE.



**Self closing
max. gate
weight
75lbs**

These pressed steel self-closing gate hinges are zinc-plated for durability and are available for commercial, industrial or residential applications.

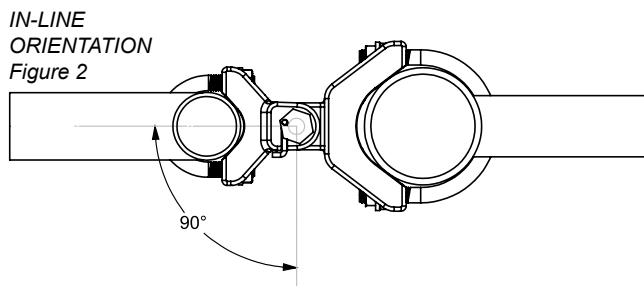
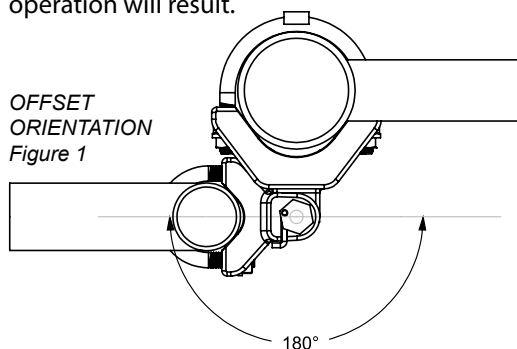
Benefits:

- Two mounting options:
 - In-line orientation: gate will open about 90 degrees
 - Offset orientation: gate will open about 180 degrees
- Easy Tension adjustment
- Easy Installation
- Approx. 75lbs weight capacity per pair for a 4x6 pipe design gate.
- More than 2 hinges can be used per gate as long as the pivot points for the hinges line up.
- Sold individually

PART	GATE POST DIAMETER	FENCE POST DIAMETER
CL-7210-GY	1-3/8" & 1-5/8"	2-3/8" & 2-7/8"
CL-7211-GY	1-3/8" & 1-7/8"	2-3/8" & 2-7/8"
CL-7212-GY	1-3/8" & 1-7/8"	4"

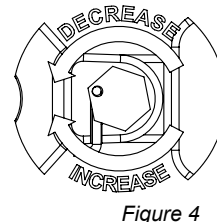
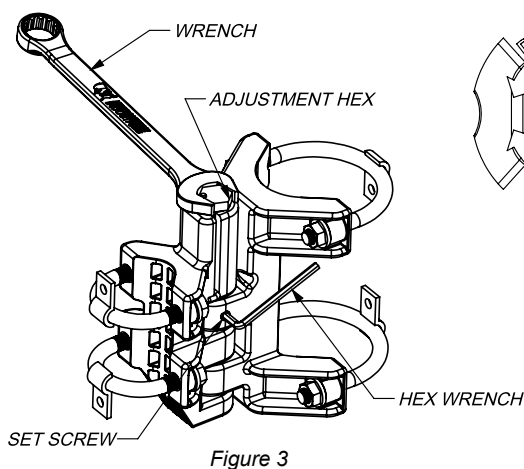
Mounting orientation

These hinges can be mounted from an in-line orientation (Fig. 2) to an offset orientation (Fig. 1). With the in-line orientation, the gate will open about 90 degrees. In the offset orientation, the gate will open about 180 degrees. The hinges can also be mounted with either end up but the adjustment hex must be adjusted only in the direction shown (Fig. 4) or early spring failure and improper operation will result.



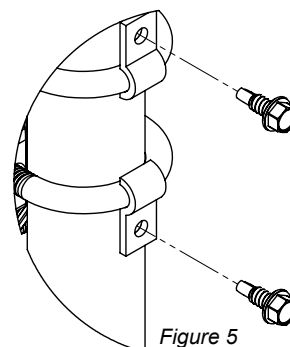
Tension adjustment

Hold the adjustment hex with a wrench while loosening the set screw with the supplied hex wrench (Fig. 3). Turn the adjustment hex to adjust tension, clockwise to increase tension, counter-clockwise to reduce tension (Fig. 4). Once desired tension is set, tighten the set screw. Note: The maximum tension adjustment is one full turn.



Optional mounting screws

If desired, the hinges may be screwed to the post as shown in figure 5. (Screws not included)



ALL DIMENSIONS ARE APPROXIMATE.

SHUT IT STEEL BOLT-ON HINGES

Hinges sold individually



CI2051

4" Ø Steel Bolt-On Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for flat or round post installations
- Zinc plated
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,000 lbs (450kg)



CI3700

Steel Bolt-On Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Yoke for perfect installations
- For flat post installations
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,000 lbs (450kg)



CI2053

6" Ø Steel Bolt-On Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for flat or round post installations
- Zinc plated
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,000 lbs (450kg)



CI3750

Light Duty Steel Bolt-On Hinge

KEY FEATURES

- One sealed maintenance free bearing (no greasing)
- Adjustable yoke for perfect installations
- Flat bolt-on brackets for through bolting
- Zinc plated
- Load rating per gate: 600 lbs (270kg)
- Maximum gate weight: 250 lbs (100kg)



CI2054

8" Ø Steel Bolt-On Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for flat or round post installations
- Zinc plated
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,000 lbs (450kg)



CI3770

Half Bolt-On Steel Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Flat bolt-on brackets for through bolting
- Zinc Plated
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,000 lbs (450kg)



CI3720

Face Mount Bolt-on Steel Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Horizontally adjustable to 1/2"
- Opens to 180° for unobstructed pass through
- Zinc Plated
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,100 lbs (500kg)

Product Number	Product Name	Gap Variance Inch/mm**	Finish	# Of Sealed Bearings	Max Gate Weight lbs/kg	Max Gate Load lbs/kg	Yoke Mat'l*	Body Mat'l	Height inch/mm	Weight lbs/kg
CI2051	4" (102mm) Round Bolt-on BadAss	2.7-3.2" (69-81mm)	Zinc	2	1,000 lbs (450kg)	2,000 lbs (900kg)	Steel	Steel	5.5" (191mm)	5 lbs (2.3kg)
CI2053	6" (152mm) Round Bolt-on BadAss	2.7-3.2" (69-81mm)	Zinc	2	1,000 lbs (450kg)	2,000 lbs (900kg)	Steel	Steel	7.5" (191mm)	10 lbs (4.5kg)
CI2054	8" (203mm) Round Bolt-on BadAss	2.7-3.2" (69-81mm)	Zinc	2	1,000 lbs (450kg)	2,000 lbs (900kg)	Steel	Steel	9.5" (241mm)	15 lbs (6.8kg)
CI3700	Bolt-on BadAss	2.9-3.4" (74-86mm)	Zinc	2	1,000 lbs (450kg)	2,000 lbs (900kg)	Steel	Steel	7.5" (191mm)	3.5 lbs (1.6kg)
CI3720	Face Mount Bolt-on BadAss	1/2"-1" (12-25mm)	Zinc	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Steel	Steel	7.5" (191mm)	3.8 lbs (1.7kg)
CI3750	Baby Bolt-on BadAss	3.0-3.5" (76-89mm)	Zinc	1	250 lbs (110kg)	600 lbs (270kg)	Steel	Steel	4.0" (102mm)	2.0 lbs (1kg)
CI3770	Half Bolt-on BadAss	2.65-3.15" (67-80mm)	Zinc	2	1,000 lbs (450kg)	2,000 lbs (900kg)	Steel	Steel	7.5" (191mm)	2.5 lbs (1.1kg)

* Adjustable yoke for perfect installations.

ALL DIMENSIONS ARE APPROXIMATE.

SHUT IT STEEL BARREL HINGES

Hinges sold individually



CI3900

6" Steel Strap Hinge

KEY FEATURES

- Four sealed maintenance free bearings (no greasing)
- Ideal for flat post installation
- Limited lifetime warranty (5 years on bearings)
- Swings 180°
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)



CI3925

10" Steel Strap Hinge

KEY FEATURES

- Four sealed maintenance free bearings (no greasing)
- Ideal for flat post installation
- Limited lifetime warranty (5 years on bearings)
- Swings 180°
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)



CI3975

Steel Uphill Strap Hinge Set

KEY FEATURES

- Four sealed maintenance free bearings (no greasing)
- Ideal for flat post installation
- Limited lifetime warranty (5 years on bearings)
- Swings 180°
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)



CI3950

Steel Barrel Hinge

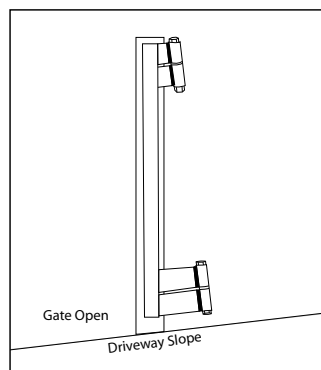
KEY FEATURES

- Four sealed maintenance free bearings (no greasing)
- For flat post installations
- Bolt-on and weld-on installations
- Swings 180°
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)

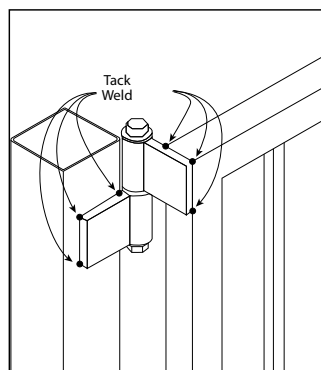
Product Number	Product Name	Gap Variance inch/mm	Fixing Method	Finish	# Of Sealed Bearings	Max Gate Weight lbs/kg	Max Gate Load lbs/kg	Yoke Mat'l	Body Mat'l	Height inch/mm	Weight lbs/kg
CI3900	6" (152mm) Strap Hinge	Fixed 1/2" (13mm)	Weld	Zinc	4	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	5.9" (150mm)	6 lbs (2.7kg)
CI3925	10" (254mm) Strap Hinge	Fixed 1/2" (13mm)	Weld	Zinc	4	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	5.9" (150mm)	7.5 lbs (3.4kg)
CI3950	Barrel Hinge	Fixed 1/2" (13mm)	Bolt-on or Weld	Zinc	4	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	5.9" (150mm)	4.0 lbs (1.8kg)
CI3975	Uphill Strap Hinge Set*	Fixed 1/2" (13mm)	Weld	Zinc	4/4	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	5.9" (150mm)	13.5 lbs (6.1kg)

*Set comes with one CI3900 and one CI3925.

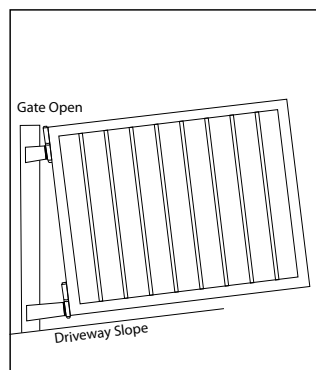
Uphill Hinge Installation Guide



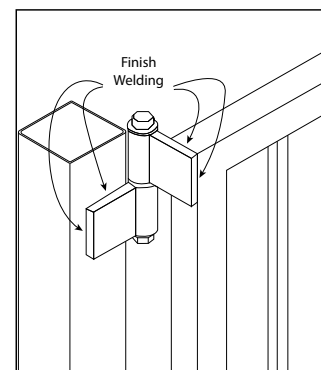
Step 1: Place gate in closed position. Align hinges to the driveway slope. Be sure hinges are aligned with each other.



Step 2: Tack weld top plate to gate. Tack weld bottom plate to post. Support gate while welding to insure no sagging occurs.



Step 3: Swing open the gate to test alignment. If welds do not hold, hinges are not properly aligned. Repeat from step one.



Step 4: If tack welds hold, hinge may be completely welded. Support gate while welding to insure no sagging occurs.

ALL DIMENSIONS ARE APPROXIMATE.

Steel Roller Bearing Hinges



CI3000



Rusted Look
CI3100

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for both flat and round post installations
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,100 lbs (500kg)

Hinges sold individually



CI3500

Heavy Duty Steel Roller Bearing Hinge

KEY FEATURES

- Three sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for both round and flat post installations
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)

Light Duty Steel Roller Bearing Hinges



CI3600



Rusted Look
CI3620

KEY FEATURES

- One sealed maintenance free bearing (no greasing)
- Slotted for easy adjustment
- Ideal for flat or round post installations
- Load rating per gate: 500 lbs (230kg)
- Maximum gate weight: 300 lbs (140kg)



CI3520

Steel Roller Bearing Hinge

KEY FEATURES

- Three sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for both round and flat post installations
- Upgraded yoke and grade 8 bolt (Shaft)
- Load rating per gate: 3,000 lbs (1,360kg)
- Maximum gate weight: 1,500 lbs (680kg)



CI3075

VersaWeld™

KEY FEATURES

- Two sealed maintenance free bearing (no greasing)
- Ideal for flat or round post installations
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,100 lbs (500kg)



CI3050

Face Mount Weld-on Hinge

KEY FEATURES

- Two sealed maintenance free bearing (no greasing)
- Ideal for flat or round post installations
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,100 lbs (500kg)



CI3850

Self closing
max. gate
weight
300lbs

Self-Closing Steel Roller Bearing Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Easy to install, heavy duty self-closing hinge
- Set includes one self-closing hinge and one Original BadAss hinge
- Adjustable yoke for perfect installations
- 5 Tension adjustment settings
- Load rating per gate: 2,000 lbs (500kg)
- Self-closing maximum gate weight: 300 lbs (130kg)
- Gate swings from -5° to 110°



CI3800

Stainless Steel Roller Bearing Hinge

KEY FEATURES

- 304 stainless steel includes the bearings, shaft (bolt), washers and lock nut
- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for both flat and round post installations
- Load rating per gate: 2,000 lbs (900kg)
- Maximum gate weight: 1,100 lbs (500kg)

Product Number	Product Name	Gap Variance Inch/mm**	Finish	# Of Sealed Bearings	Max Gate Weight lbs/kg	Max Gate Load lbs/kg	Yoke Mat'l*	Body Mat'l	Height inch/mm	Weight lbs/kg
CI3000	Original BadAss	2.4-2.9" (61-74mm)	Zinc	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Steel	Steel	3.8" (97mm)	2.5 lbs (1.1kg)
CI3050	Face Mount Weld-on BadAss	1/2"-1" (12-25mm)	Zinc	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Steel	Steel	3.8" (97mm)	1.8 lbs (0.8kg)
CI3075	VersaWeld™ BadAss	Fixed 2-3/4" (70mm)	Zinc	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Steel	Steel	3.75" (95mm)	2.2 lbs (1.0kg)
CI3100	Original BadAss Rusted	2.4-2.9" (61-74mm)	Unfinished	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Steel	Steel	3.8" (97mm)	2.5 lbs (1.1kg)
CI3500	Heavy Duty BadAss	2.4-2.9" (61-74mm)	Zinc	3	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	3.8" (97mm)	3.5 lbs (1.6kg)
CI3520	100 Year BadAss	2.5-3.0" (64-76mm)	Zinc	3	1,500 lbs (680kg)	3,000 lbs (1,360kg)	Steel	Steel	4.1" (104mm)	3.5 lbs (1.6kg)
CI3600	Baby BadAss	2.5-3.0" (64-76mm)	Zinc	1	300 lbs (140kg)	500 lbs (230kg)	Steel	Steel	1.3" (33mm)	1 lbs (0.5kg)
CI3620	Baby BadAss Rusted	2.5-3.0" (64-76mm)	Unfinished	1	300 lbs (140kg)	500 lbs (230kg)	Steel	Steel	1.3" (33mm)	1 lbs (0.5kg)
CI3850	Self-closing BadAss Set + +	2.4-2.9" (61-74mm)	Zinc	2/2	300 lbs (140kg)	2,000 lbs (900kg)	Steel	Steel	5.0" (127mm)	5.5 lbs (2.5kg)
CI3800	Stainless Steel BadAss +	2.4-2.9" (61-74mm)	Zinc	2	1,100 lbs (500kg)	2,000 lbs (900kg)	Stainless	Stainless	3.8" (97mm)	2.5 lbs (1.1kg)

ALL DIMENSIONS ARE APPROXIMATE.

SHUT IT STEEL/ALUMINUM ROLLER BEARING HINGES

Hinges sold individually



CI3200

Aluminum/Steel Roller Bearing Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Slotted for easy adjustment
- Round or plate post installations
- Load rating per gate: 1,000 lbs (450kg)
- Maximum gate weight: 600 lbs (270kg)



CI3300

Steel/Aluminum Roller Bearing Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for flat post installations
- Load rating per gate: 1,000 lbs (450kg)
- Maximum gate weight: 600 lbs (270kg)



CI3400

Aluminum Roller Bearing Hinge

KEY FEATURES

- Two sealed maintenance free bearings (no greasing)
- Adjustable yoke for perfect installations
- Ideal for both flat and round post installations
- Load rating per gate: 1,000 lbs (450kg)
- Maximum gate weight: 600 lbs (270kg)



CI3650

Light Duty Aluminum Roller Bearing Hinge

KEY FEATURES

- One sealed maintenance free bearing (no greasing)
- Slotted for easy adjustment
- Round or plate post installations
- Load rating per gate: 500 lbs (230kg)
- Maximum gate weight: 300 lbs (140kg)



CI3670

Light Duty Steel/Aluminum Roller Bearing Hinge

KEY FEATURES

- One sealed maintenance free bearing (no greasing)
- Slotted for easy adjustment
- Round or plate post installations
- Load rating per gate: 500 lbs (230kg)
- Maximum gate weight: 300 lbs (140kg)

Product Number	Product Name	Gap Variance Inch/mm**	Finish	# Of Sealed Bearings	Max Gate Weight lbs/kg	Max Gate Load lbs/kg	Yoke Mat'l*	Body Mat'l	Height inch/mm	Weight lbs/kg
CI3200	Alum/Steel BadAss Combo	2.4-2.9" (61-74mm)	Unfinished / Zinc	2	600 lbs (270kg)	1,000 lbs (450kg)	Aluminum	Steel	3.8" (97mm)	2.5 lbs (1.1kg)
CI3300	Steel/Alum BadAss Combo	2.4-2.9" (61-74mm)	Zinc / Unfinished	2	600 lbs (270kg)	1,000 lbs (450kg)	Steel	Aluminum	3.8" (97mm)	2 lbs (1kg)
CI3400	Aluminum BadAss	2.4-2.9" (61-74mm)	Unfinished	2	600 lbs (270kg)	1,000 lbs (450kg)	Aluminum	Aluminum	3.8" (97mm)	2 lbs (1kg)
CI3650	Baby BadAss Aluminum	2.5-3.0" (64-76mm)	Unfinished	1	300 lbs (140kg)	500 lbs (230kg)	Aluminum	Aluminum	1.3" (33mm)	0.5 lbs (0.2kg)
CI3670	Baby BadAss Steel/Alum Combo	2.5-3.0" (64-76mm)	Zinc / Unfinished	1	300 lbs (140kg)	500 lbs (230kg)	Steel	Aluminum	1.3" (33mm)	1 lbs (0.5kg)

* For welding yoke to round fence post, weld 1 1/2 x 1/2 x 1/8" (38x13x3mm) A36 steel bar channel to yoke first. After cooling, weld bar channel to fence post.

Flat posts: fixed 2.75" (70mm). Round posts: min gap is 0.

**Adjustable yoke for perfect installations. † All components, including the sealed bearings, are stainless steel.

†† Set comes with one self-closing hinge plus one CI3000.

Maximum gate weight 1,100 lb (500kg), but the maximum self-closing weight is 300 lb (140kg). All weight ratings are based upon two hinges.

ANATOMY OF A BADASS HINGE

Zinc Electroplating

- Long lasting rust and corrosion protection
- No need to grind off before welding
- On all components except aluminum, stainless steel & rusted look

Sealed Bearings

- Require no greasing Maintenance free
- Hinge options with 1, 2, 3 and 4 bearings per hinge
- Performs better with longer life than roller cages that require periodic greasing
- Stainless steel model includes stainless steel sealed bearings

Yoke (mount to post)

- Straight bends in yoke provide maximum horizontal adjustment range
- Straight bends in yoke provide maximum welding surface

Shaft

- 100 year hinge comes with upgraded yoke and Grade 8 shaft (bolt)

Spacer (bushing)

- Distributes load directly onto the center ring of the sealed bearings for optimal performance and long life

Tightest tolerance in the industry

- Virtually frictionless rotation

Body (mount to gate)

- Fits round or flat surfaces

Stover Lock Nut

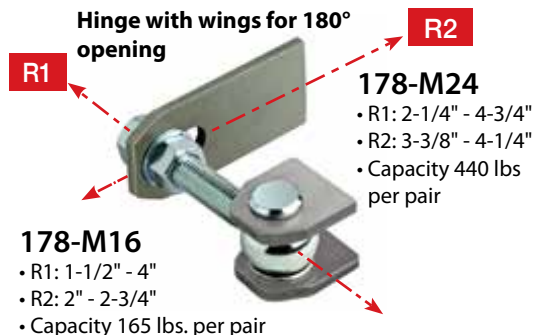
- Uniquely shaped threads that provide a vibration resistant friction fit so the nut stays put Top thread section is deformed to create two or three locking zones - Can be reused 2-3 times
- These all metal locknuts withstand higher temperatures than nylon insert locknuts

ALL DIMENSIONS ARE APPROXIMATE.

ALL DIMENSIONS ARE APPROXIMATE.

Our line of hinges covers all needs and types of gates, both single and double-leaf, depending on the application. All hinges are galvanized for a more durable product.

All sold individually.



Hinge with wings and adjustable nut



160-M22

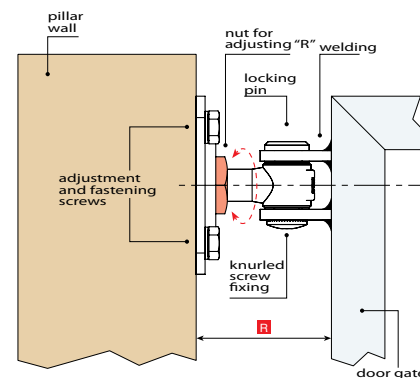
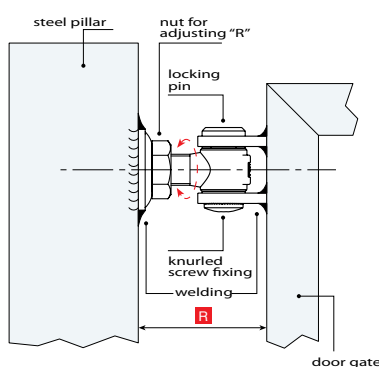
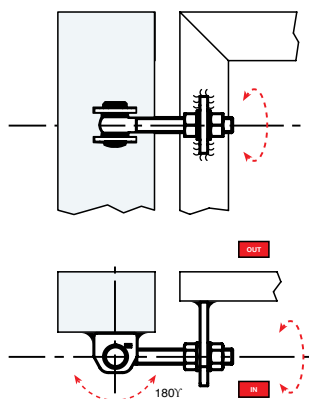
- R: 2-3/4" - 3-3/4"
- Capacity 485 lbs. per pair

Hinge with Wings and Plate



163-M22

- Back plate 4" square
- Hinge height: 2-1/2"
- R: 2-3/4" - 3-3/4"
- Capacity 485 lbs. per pair



Hinge with U Bolt and Plate



100PST-P

- Back plate 4" square
- Hinge height: 2-3/4"
- R: 2-1/2" - 2-7/8"
- Capacity 220 lbs. per pair

Big hinge with 2 open wings removable pivot with washer and bearing



445-90

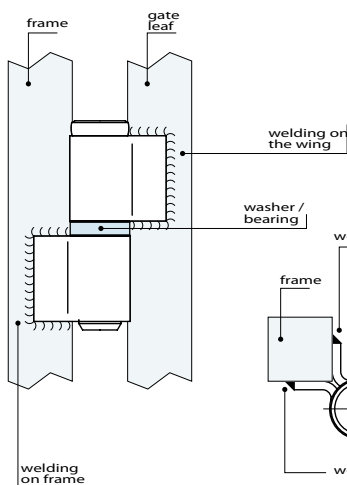
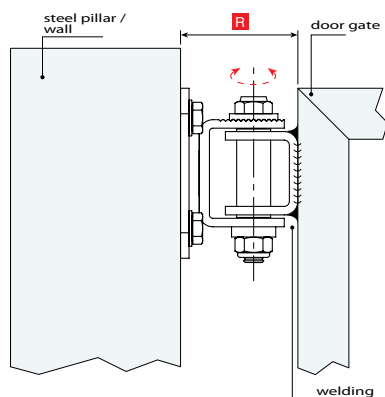
- Hinge height: 4"
- Pin size: 3/4"
- Capacity 1760 lbs.

Hinge with U Bolt



100P

- Hinge height: 2-3/4"
- Hinge width: 2-1/8" - 2-1/2"
- Capacity 220 lbs. per pair



Hinge with wing and bearing



92G

- Hinge height: 2-1/2"
- Hinge width: 2-1/8" - 2-1/2"
- Capacity 660 lbs.

ALL DIMENSIONS ARE APPROXIMATE.

All sold individually.

2 FLAG WELDING HINGES
(sold individually)



Item #	Height	Weight capacity per pair
RIGHT HAND HINGE		
430DX-60	2-3/4"	330 lbs
430DX-100	4"	675 lbs
430DX-140	5-1/2"	1000 lbs
430DX-200	8-1/2"	1350 lbs

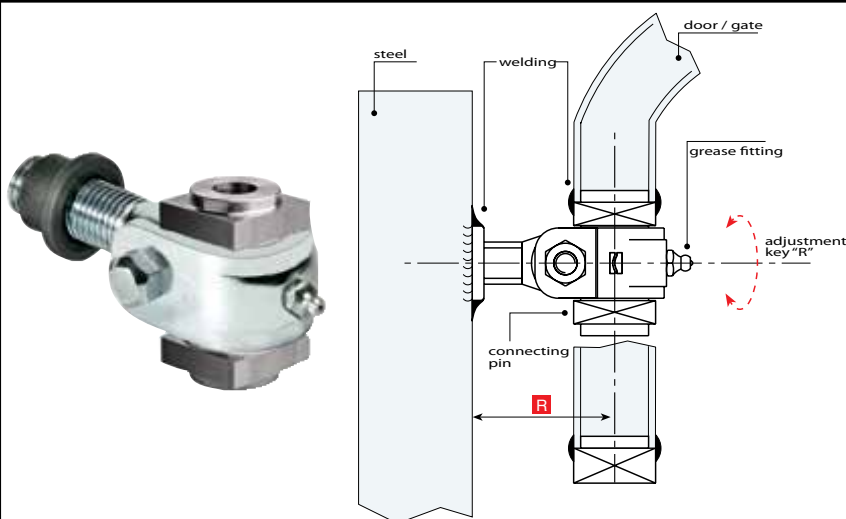
LEFT HAND HINGE

430SX-60	2-3/4"	330 lbs
430SX-100	4"	675 lbs
430SX-140	5-1/2"	1000 lbs
430SX-200	8-1/2"	1350 lbs



Item #	Height	Weight capacity per pair
564-100	4"	330 lbs
564-120	4-3/4"	500 lbs
564-140	5-1/2"	585 lbs
564-160	6-3/8"	675 lbs
564-180	7-1/4"	740 lbs

Capacity per pair	Clamp Hinge	Holed Pivot with Square Base for Clamp Hinge
220 lbs.	180-M18 Approximately 4-1/4" long x 1-1/2" wide R: 1-3/4" - 2-3/4"	190-30 For 1-1/4" square post
570 lbs.	180-M27 Approximately 5-1/2" long x 2" wide R: 2-1/4" - 3-3/4"	190-40 For 1-1/2" square post

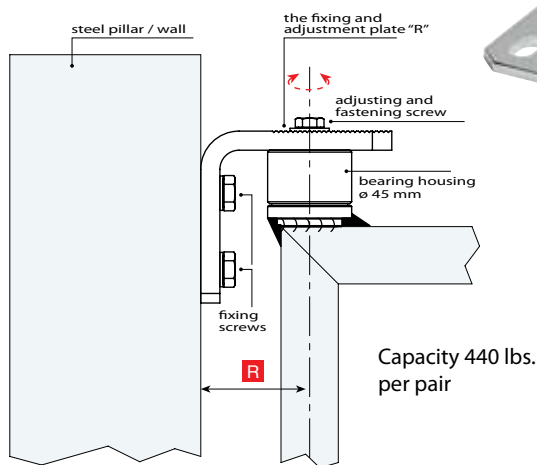


Upper hinge with L plate



86L-P

- Total height: 3-3/4"
- Total width: 4"
- Diameter of bearing: 1-3/4"
- R: 2" - 3-1/4"



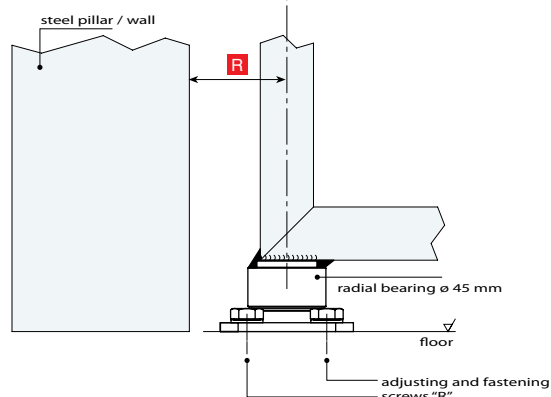
Capacity 440 lbs. per pair

Bottom hinge with thrust bearing and plate



87PST-P

- Height of bearing: 1-1/2"
- Diameter of Bearing: 1-3/4"



ALL DIMENSIONS ARE APPROXIMATE.



**Bi-Folding
Gate Configurator
available at
locks4gates.com**

Albatros

A bi-folding gate system for confined spaces.

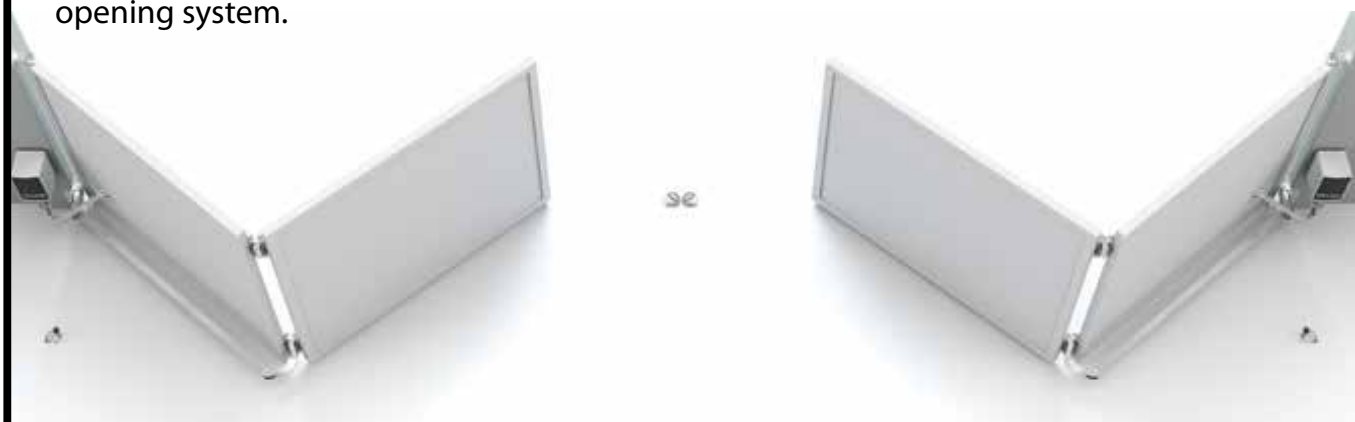
- Bi-folding wide opening swing gate system
- For double gates up to 52ft wide opening
- Geared hinges for smooth opening
- Fold system occupies minimal space for opening and closing
- Trackless obstacle free entranceway
- Space saving design
- Precise and adjustable stop position

Manufactured by
 **COMUNELLO**
LIFE MADE EASY



Watch a video for more information.

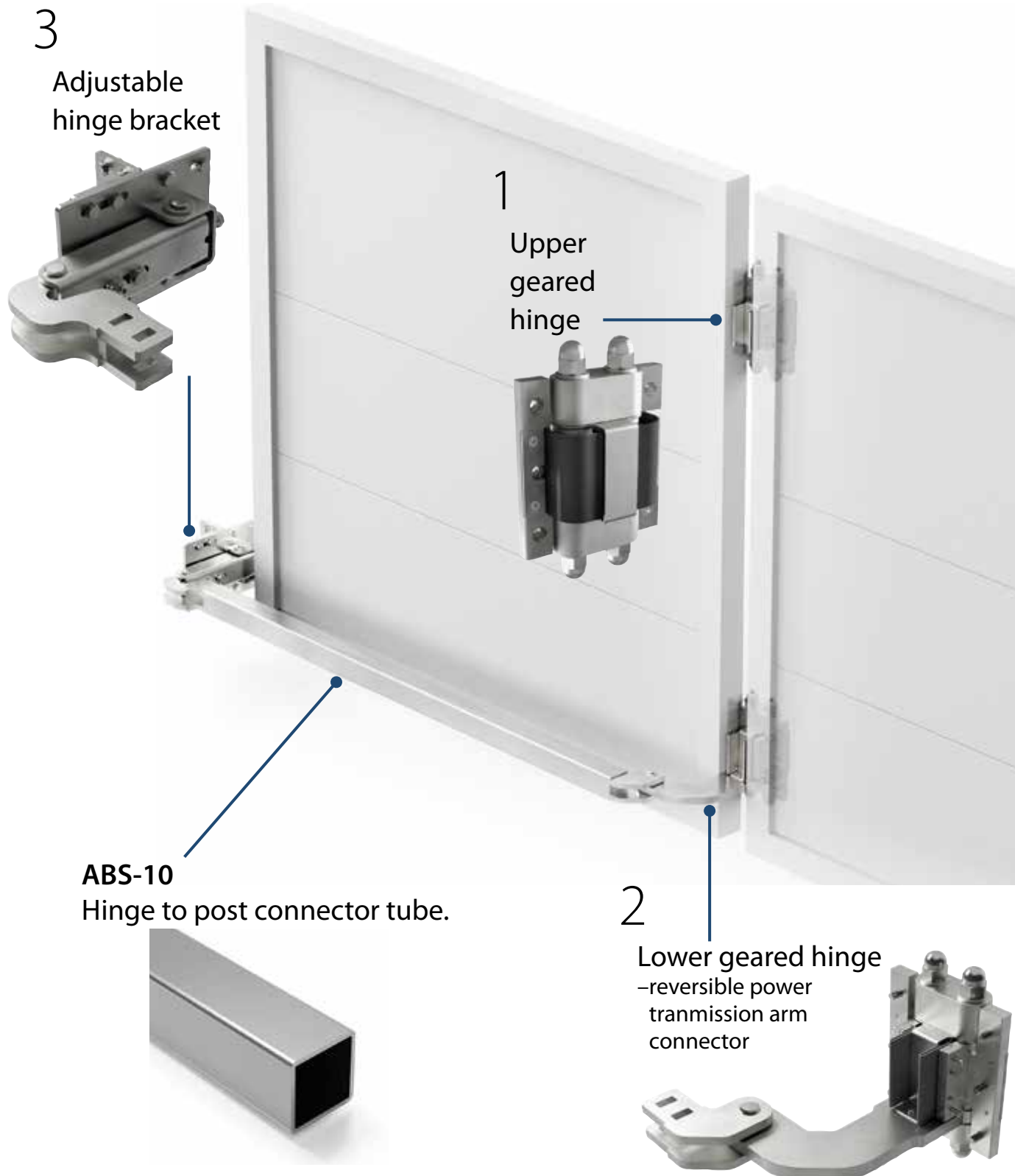
With its patented revolutionary geared hinge, the Albatros system offers a stable smooth opening for large bi-folding gates. This high quality system remains totally suspended and therefore trackless, allowing a clean obstacle free entrance and using half the space of a single leaf swing gate. The Albatros power transmission arm is mounted on the hinge post and is connected to the geared hinge between the panels achieving a smooth and reliable opening system.



ALL DIMENSIONS ARE APPROXIMATE.

ALBATROS BI-FOLDING GATE SYSTEM

This illustration shows the ABS-100 kit components and the hinge to post connector tube.



ALL DIMENSIONS ARE APPROXIMATE.

ALBATROS BI-FOLDING GATE SYSTEM CONFIGURATOR

Gate application parameters

A Opening width

T Gate frame size

B Hinge Gap

Gate frame size dependent

Gate formulas

L: Gate leaf width

$$L(\text{in}) = (A - \mathbf{3} - B) \div 2$$

G: Hinge to post connector tube length

$$G(\text{in}) = L - \mathbf{8.75} + B$$

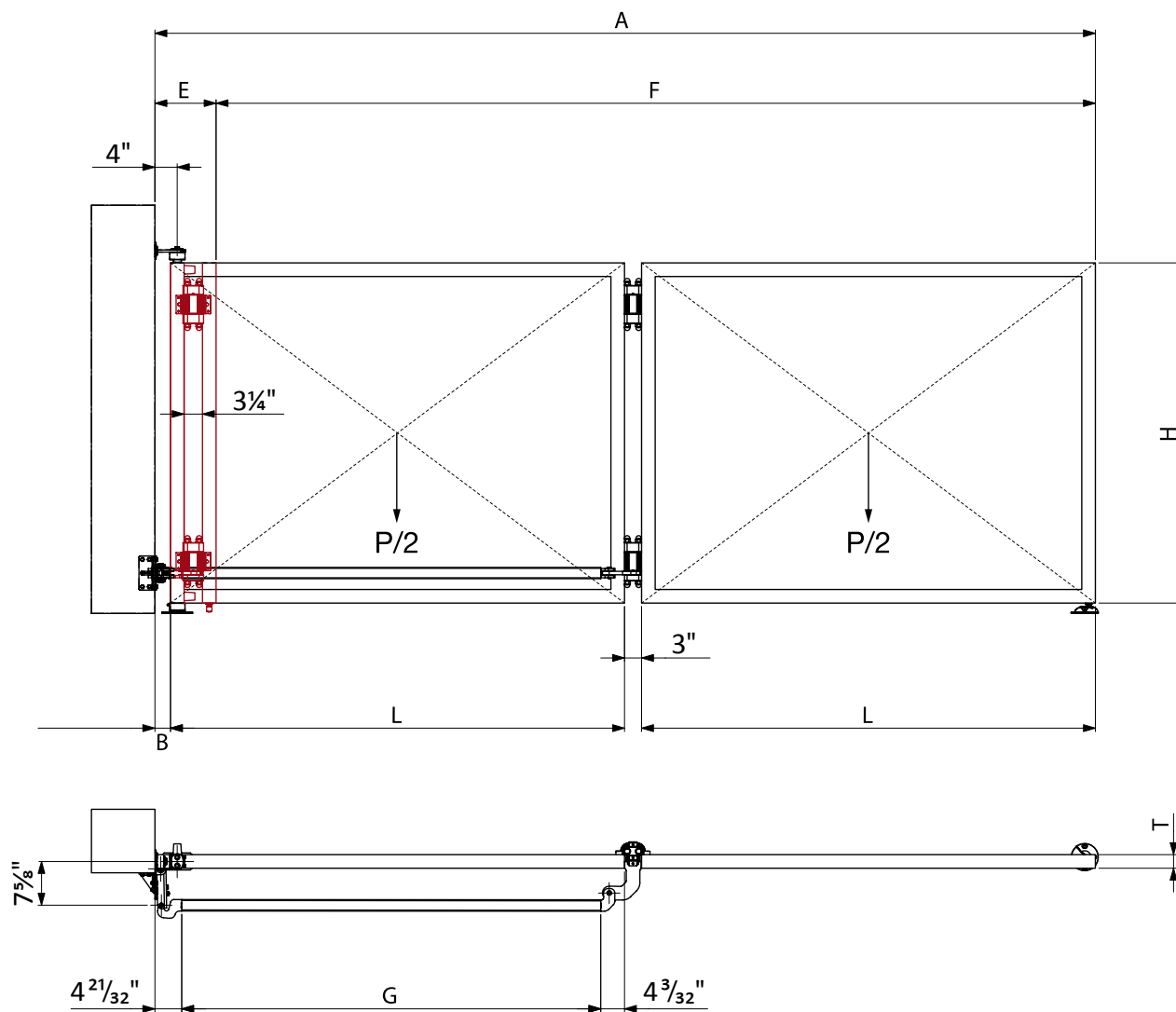
E: Gate width in open position

$$E(\text{in}) = (2 \times T) + B + \mathbf{3.2}$$

F: Net opening size

$$F(\text{ft}) = A - E$$

NOTE: The parameters in **BOLD** in the formulas above are inches.



Example

12' Gate Opening (A) with 3" Hinge Gap (B) and 2" Gate Frame Size (T)

$$\mathbf{L:} \quad (144" - 3" - 3") \div 2 = 69" \text{ or } 5'9"$$

$$\mathbf{G:} \quad 69" - 8.75" + 3" = 63.25" \text{ or } 5'3\frac{1}{4}"$$

$$\mathbf{E:} \quad (2 \times 2") + 3" + 3.2" = 10.2"$$

$$\mathbf{F:} \quad 144" - 10.2" = 133.8" = 11'1"$$

ALL DIMENSIONS ARE APPROXIMATE.

ALBATROS BI-FOLDING GATE SYSTEM HINGES

MAXIMUM GATE WEIGHT CALCULATION

Hinge weight capacity depends on the width of the gate and the height of the gate. Albatros requires an opening width to height of 3 to 1 or less. Use tables below to determine the max weight "P" for the gate. Note each leaf max weight is P/2.

Example:

12' wide opening x 4' high

$12' \div 4' = 3$

Gate max weight (P) = 440 lbs.

Leaf max weight (P/2) = 220 lbs.

Example:

12' wide opening x 6' high

$12' \div 6' = 2$

Gate max weight (P) = 710 lbs.

Leaf max weight (P/2) = 355 lbs.

GROUND MOUNT – SCREW ON HINGE SET

3/16" thick mounting bracket

2-11/16" Hinge diameter

9/16" Gap adjustment

Maximum Capacity 1100 lbs

Sealed Bearings

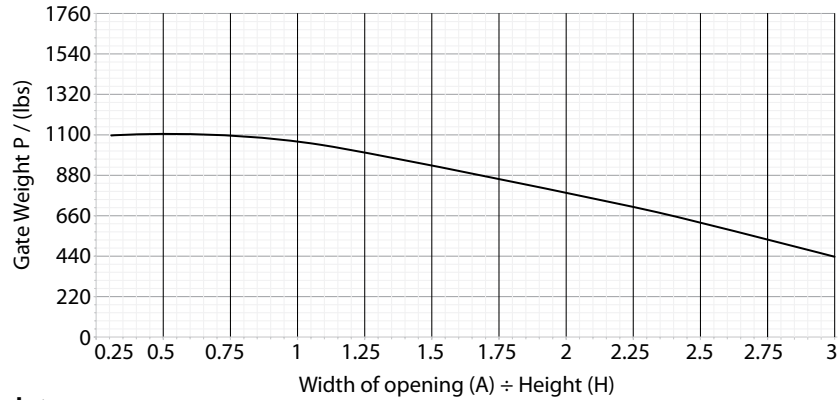


85PST-G

Adjustable upper hinge with plate to be screwed on

87PST-G

Bottom hinge with thrust bearing and plate to be screwed on



POST MOUNT – SCREW ON HINGE SET

3/8" thick mounting bracket

2-11/16" Hinge diameter

9/16" Gap adjustment

Maximum Capacity 1100 lbs

Sealed Bearings

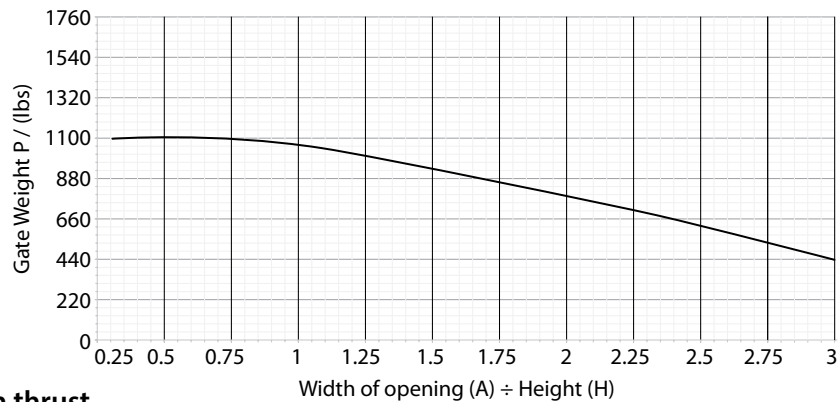


85L-G

Adjustable upper hinge with L-Bracket

87L-G

Bottom hinge with thrust bearing and L-Bracket



GROUND MOUNT – WELD ON HINGE SET

3/8" thick mounting bracket

2-11/16" Hinge diameter

9/16" Gap adjustment

Maximum Capacity 1400 lbs

Sealed Bearings

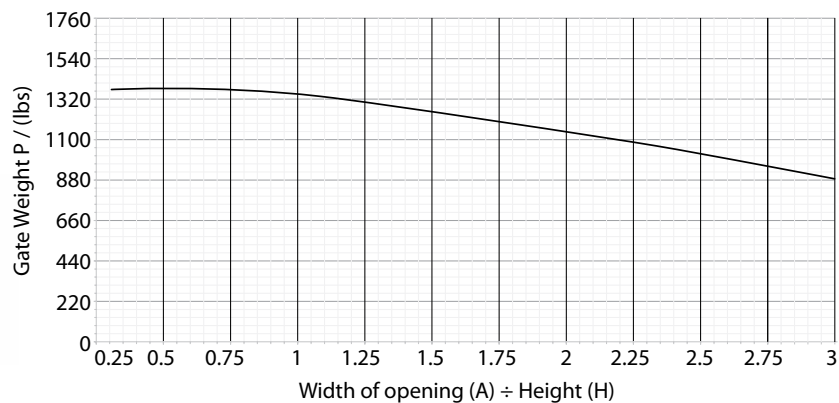


85G

Adjustable upper hinge with plate to be welded

87G

Bottom hinge with thrust bearing to be welded



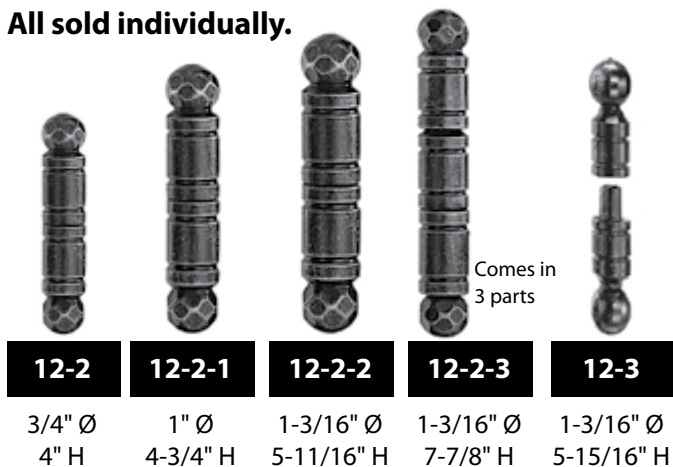
ALL DIMENSIONS ARE APPROXIMATE.

GATE HARDWARE

STEEL, STAINLESS & ALUMINUM HINGES

ORNAMENTAL STEEL HINGES

All sold individually.



SINGLE ACTION SPRING HINGE (NO HOLES)



Sold as pair Supplied Mill Finish

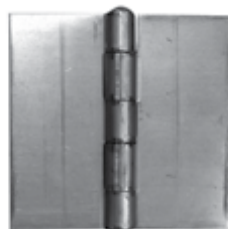
Max. door/gate size recommended:
2'6" W x 7' when using 3-1/2" hinges
3' W x 7' when using 4" hinges

ITEM	SIZE	WGT
HSP312	3-1/2" x 3-1/2"	80lbs
HSP4	4" x 4"	100lbs

The weights listed above apply when using three (3) hinges

BUTT WELDING HINGE (NO HOLES)

Sold individually



BH2	- 2" x 2"
BH3	- 3" x 3"
BH312	- 3-1/2" x 3-1/2"
BH4	- 4" x 4"

HEAVY DUTY BUTT WELDING HINGE (NO HOLES)

Sold as pair



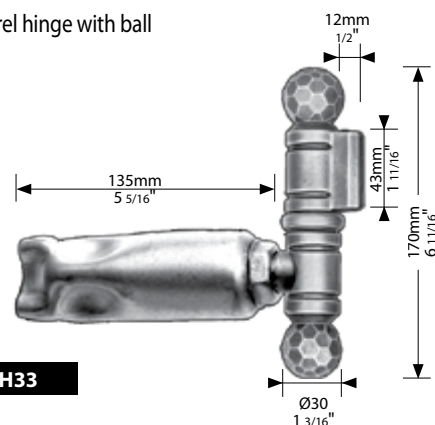
ITEM	SIZE	WGT/PR	THICKNESS
HDBH3	3" x 3"	N/A	.125"
HDBH4	4" x 4"	960lbs	.178"
HDBH5	5" x 5"	1060lbs	.198"
HDBH6	6" x 6"	1130lbs	.198"

DECORATIVE STEEL BARREL HINGES

Adjustable steel barrel hinge with ball bearing.

660 lbs. per pair

Sold individually.



SH33

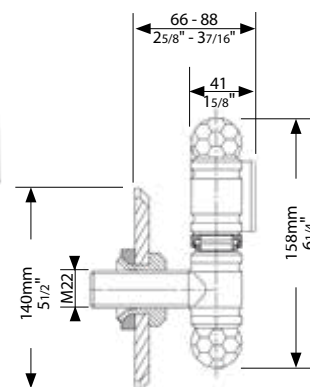
Steel barrel hinge and plate with ball bearing to be mechanically fastened. Adjustable without dismantling.

660lbs. per pair

Sold individually.

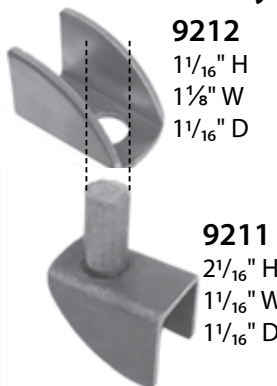


SH34



BAT WING HINGE (2 PCS)

Sold individually



9212
1 1/16" H
1 1/8" W
1 1/16" D

9211
2 1/16" H
1 1/16" W
1 1/16" D

180° HINGE FOR WOODEN GATES

3DW-250-HDG



- Hinge socket, axle and socket cover plate in stainless steel
- Hinge arm in hot-dip galvanized steel
- Adjustable in 3 dimensions: height, left and right
- Height of mounting base is 1-1/2"
- Hinge arm is 10" long and 1-1/2" high

ALUMINUM WELD ON HINGES



MODEL	LENGTH	WEIGHT (LOAD PER PAIR)
ALU080	3 - 3/16"	350LBS
ALU100	4"	500LBS
ALU150	6"	650LBS

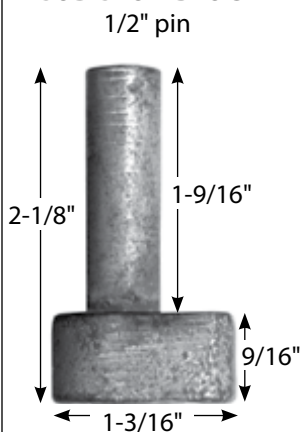
Sold individually

- Tear-drop profile
- High Load Capacity
- Can be welded on as Lift-off or Permanently Mounted

ALL DIMENSIONS ARE APPROXIMATE.

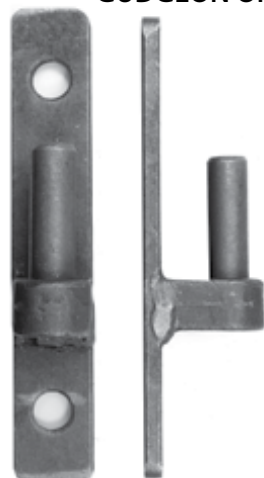
STEEL HINGES

GUDGEON BLOCK



91/2

GUDGEON ON PLATE



BACK PLATE

1" wide
5-1/2" high
1/4" thick.
Pin 1/2".
Hole 7/16".

91/5

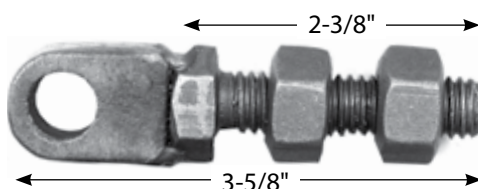
ADJUSTABLE HINGE



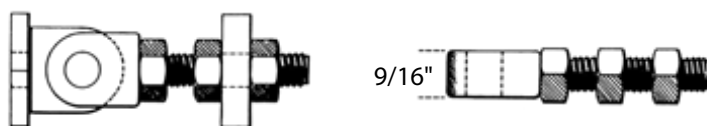
- Price includes nuts and washers.
- Anti-theft.
- Thread formed from drop forging – not welded on.
- Hinge is full hot dip galvanized.
- Extra strong chrome plated center pin.
- Holes 7/16".

91/10

ADJUSTABLE HINGE Supplied with 2 half nuts



HINGE ILLUSTRATION

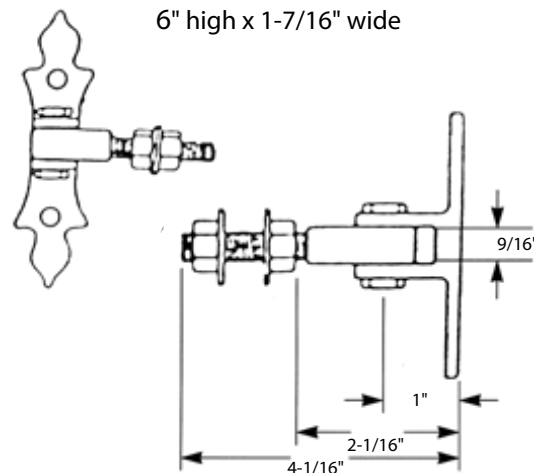


91/1

9/16" hole to take 1/2" pin
1/2" thread

HINGE ILLUSTRATION

6" high x 1-7/16" wide



HINGE BLOCK

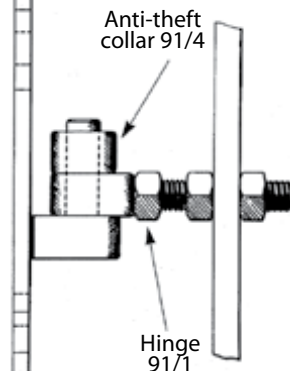
9/16" hole



WELD TO
GATE
FRAME

91/3

ILLUSTRATION SHOWING ITEMS 91/8, 91/1 AND 91/4

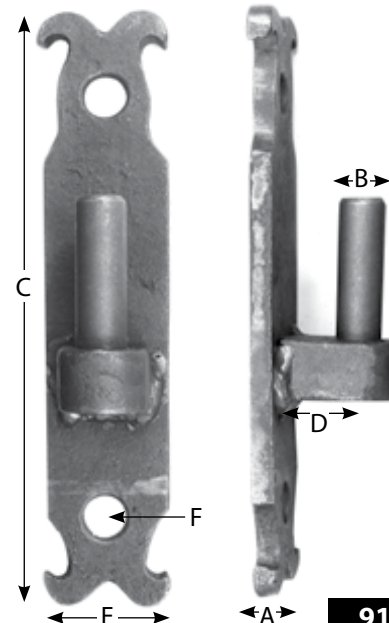


Oversized hole for fitting over
1/2" dia. pin. Zinc plated.
These collars offer extra security,
but are removable with an Allen
key when necessary.

BACKPLATE WITH GUDGEON BLOCK

Dimensions:

- A Backplate
1/4" thick.
- B 1/2" pin.
- C Overall
length 6".
- D Backplate to
center of pin
3/4".
- E Width of
plate 1-1/4".
- F 7/16" hole.



91/8

ALL DIMENSIONS ARE APPROXIMATE.

STEEL AND ALUMINUM HINGES

BARREL HINGE

Sold as pair



3-BH
50 lbs/pr capacity



BRHS5
5" Steel
with $\frac{5}{8}$ " SS pin
1" major dia.
600 lbs/pr capacity



BRHS7-8
7" Steel
with $\frac{3}{4}$ " SS pin
1 $\frac{1}{2}$ " major dia.
900 lbs/pr capacity



BRHS7-212
7" Steel
with 1 $\frac{1}{4}$ " SS pin
2 $\frac{1}{2}$ " major dia.
3000 lbs/pr capacity
3/4" gap when installed

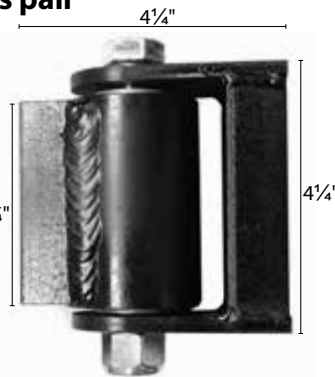
ROLLER BEARING HINGES

WITH TRUE SEALED BEARINGS

Sold as pair



HDRBH3
3" Hinge
Sealed Bearing
(1.375 O.D. x .622 I.D. x .43 Thick)
4" $\frac{1}{2}$ Bolt with nylock
self-locking nut
220 Degree swing
1400 lbs/pr capacity



HDRBH4
4" Hinge
Sealed Bearing
(1.849 O.D. x .786 I.D. x .550 Thick)
5" $\frac{5}{8}$ Bolt with nylock
self-locking nut
220 Degree swing
1700 lbs/pr capacity

RECTANGULAR BLOCK HINGE

BLACS5

5" Aluminum/Steel
with $\frac{5}{8}$ " SS pin
1" x 1 $\frac{1}{4}$ "
1 $\frac{1}{2}$ " Gap Fence to Gate
Chrome Ball Bearing
250 lbs/pr capacity

BLAS5

5" Aluminum with $\frac{5}{8}$ " SS pin
1" x 1 $\frac{1}{4}$ "
1 $\frac{1}{2}$ " Gap Fence to Gate
Chrome Ball Bearing
250 lbs/pr capacity

BLAS7

7" Aluminum
with $\frac{3}{4}$ " SS pin
1" x 1 $\frac{1}{4}$ "
2 $\frac{1}{2}$ " Gap Fence to Gate
Chrome Ball Bearing
400 lbs/pr capacity

Sold as pair



SQUARE BLOCK HINGE

BLCS4

4" Steel with $\frac{1}{2}$ " SS pin
1" x 1"
1 $\frac{1}{2}$ " Gap Fence to Gate
Chrome Ball Bearing
400 lbs/pr capacity

BLCS6

6" Steel with $\frac{5}{8}$ " SS pin
1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "
2" Gap Fence to Gate
Chrome Ball Bearing
600 lbs/pr capacity

BLCS8

8" Steel with $\frac{3}{4}$ " SS pin
2" x 2"
2 $\frac{1}{2}$ " Gap Fence to Gate
Chrome Ball Bearing
1200 lbs/pr capacity

Sold as pair



ADJUSTABLE BARREL HINGE

Sold as pair



BRHJ7-8

8" Hinge
5.75" $\frac{3}{4}$ Bolt
3" Chrome Ball Bearing
900 lbs/pr capacity

BRHJ5

5" Hinge
3.75" $\frac{5}{8}$ Bolt
Chrome Ball Bearing
500 lbs/pr capacity

H-HINGE W/BRASS BUSHINGS

Sold as pair



H-HINGE

2-5/8" W x 7" Tall
Black Finish
1/4" holes
Weldable
150 lbs/pr capacity

ALL DIMENSIONS ARE APPROXIMATE.

LATCHES AND LATCH HOLDERS

LATCH LUG Used to attach latch to gate.
3" long – trim to suit.



90/36 3/4" x 1/4" with 9 mm hole.

Use with a zinc plated bolt,
washer and nylon nut.

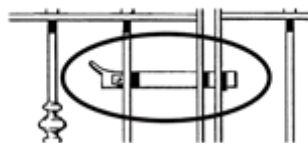


Illustration showing latch lug from behind.



90/38 M8 x 30

Use **90/38** with **90/6** latch and **90/36** latch lug.

GATE CATCH

< 1-1/2" >

< 2-3/4" >

1/4" thick

90/12



LATCH HOLDER for 1" x 1/4" latch

3-5/16" high x
3/4" wide

90/16

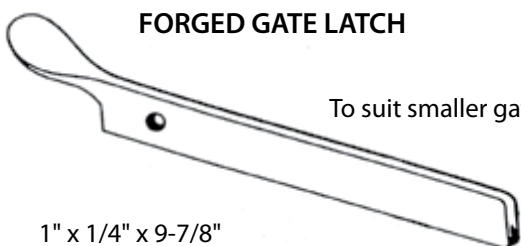


FORGED GATE LATCH

To suit smaller gates

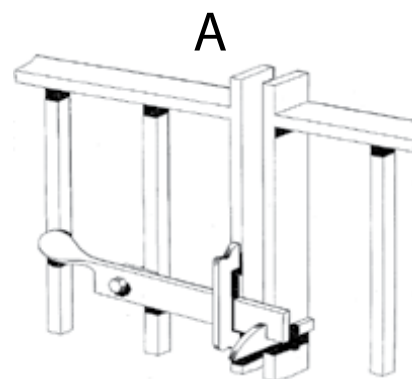
1" x 1/4" x 9-7/8"
Hole 9 mm

90/6



Drawing A showing:

90/6 Latch
90/36 Latch lug
90/38 Nut and bolt
90/16 Latch holder
90/12 Catch



SPRINGS FOR WOOD GATES

- **Safe & easy installation** – No special tools required
- **Long life** – Tested to over 1 million cycles
- **Safety** – Tension adjustable to ensure gate closes long after installation
- **Easy to adjust** – Springs include stickers to assist consumer in adjusting tension



11" Spring
410001

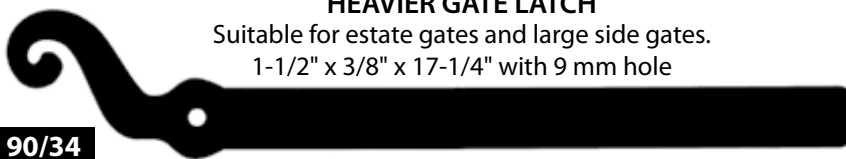
14" Spring
410002



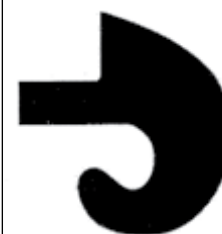
HEAVIER GATE LATCH

Suitable for estate gates and large side gates.
1-1/2" x 3/8" x 17-1/4" with 9 mm hole

90/34



CATCH
to suit **90/34** LATCH



3-1/2" high x
3-1/2" wide

90/33

LATCH HOLDER
to suit **90/34** LATCH



5-5/16" high x
1-9/16" wide

90/35

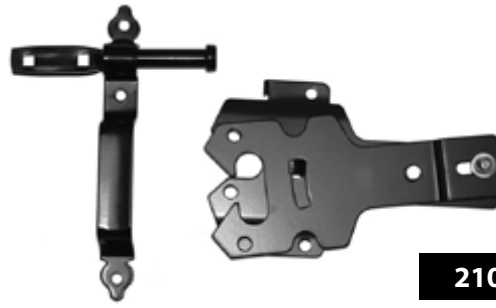
ALL DIMENSIONS ARE APPROXIMATE.

ORNAMENTAL GATE LATCHES



210004

Thumb Latch



210006

Contemporary Post Latch



210005

Slide Bolt



HDSB

Heavy duty slide bolt
3-3/4" H x 5-5/8" W x 1-1/4" D



KMS-2FLIP



2" Mild Steel Gate Latch for Walk and Double Gates
For Use With: Steel

A variation on the traditional fork latch. this mild steel latch is designed for ornamental steel and provides positive, lockable security and easy operation.



KSS-3X3LS



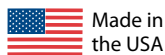
3" Stainless Steel Residential Latch

For Use With: PVC, Iron, Aluminum and Wood

All components are made of stainless steel. The latch does not rust over time as paint is worn off by bar hitting receiver. This latch is non-handed, and can be converted easily in the field to either side of gate.



KSS-DDLS



3-1/4" Stainless Steel Double Drive Gate Bar Latch

For Use With: PVC, Iron, Aluminum and Wood

Versatile double drive gate latch adjusts 0 to 4" to match gate spacing. All stainless steel components are lockable. Works well with a drop rod. Fits gate frames 1" x 3-1/4" or larger.



KMS-HDEMBSL



Mild Steel Embassy Heavy Duty 1" Slide Bolt Latch

For Use With: PVC, Iron, Aluminum and Wood

Heavy duty latch for large gates. Fits a gate frame of 3-1/2" or larger and a post of 4" or larger.

ALL DIMENSIONS ARE APPROXIMATE.

GATE STOPS AND HANDLES



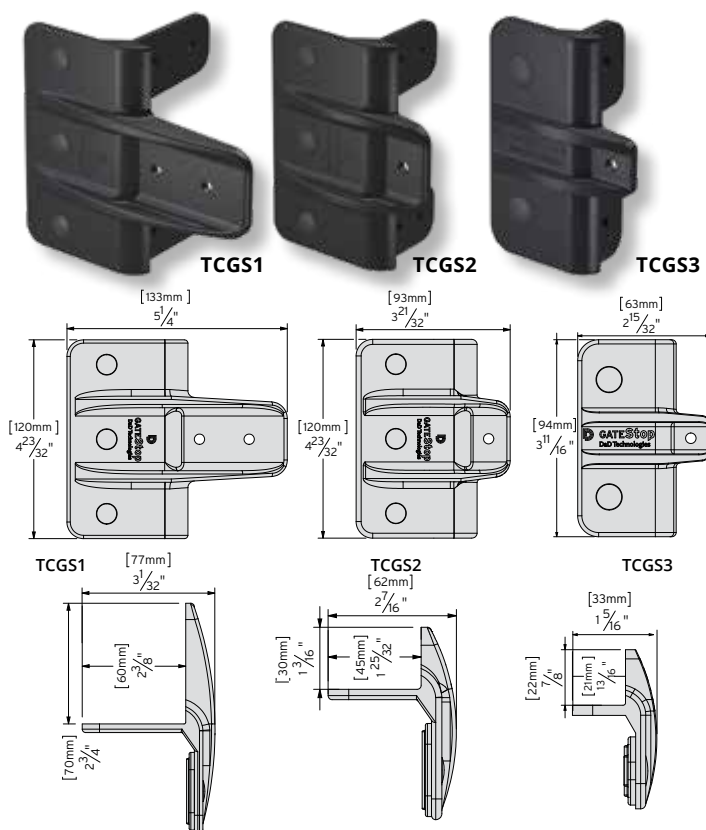
GATEStop™

Gate Protection
Device

PRODUCT FEATURES

- Ideal gate alignment device
- Prevents damage to latches & hinges
- Greatly reduces gate-slam noise
- Tough, durable polymer + rubber bumper

CODE	COLOR	GATE MATERIAL
TCGS1	Black	Wood, Vinyl
TCGS1WT	White	Wood, Vinyl
TCGS2	Black	Metal, Wood, Vinyl
TCGS3	Black	Metal



ALUMINUM GATE STOP



Aluminum gatestop with
anchor bolt.
Height adjustable from
2-1/2" to 5-1/2"

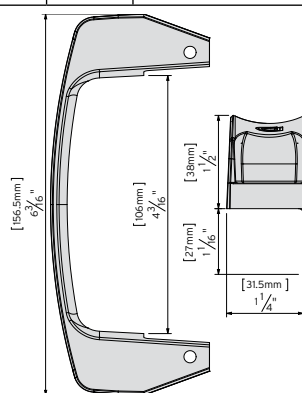
GATESTOP

General Purpose Gate Handle

PRODUCT FEATURES

- Series 3: Improved ergonomics & styling
- Fits both left-hand or right-hand opening gates
- Won't rust or stain
- Super-strong polymer construction
- Stainless steel fasteners included
- Side-fixing legs for quick alignment & added strength

CODE	COLOR	GATE MATERIAL
LL3GH	Black	Metal, Wood, Vinyl
LL3GHWT	White	Metal, Wood, Vinyl



Ornamental Gate Handle

PRODUCT FEATURES

- For any flat surface gate or door
- Heavy gauge steel construction
- Superior powder coat finish & corrosion resistance
- Measurements: Total Length - 11-1/8", Width - 2"

CODE	COLOR	GATE MATERIAL
410005	Black	Metal, Wood, Vinyl



GALVANIZED GATE STOP



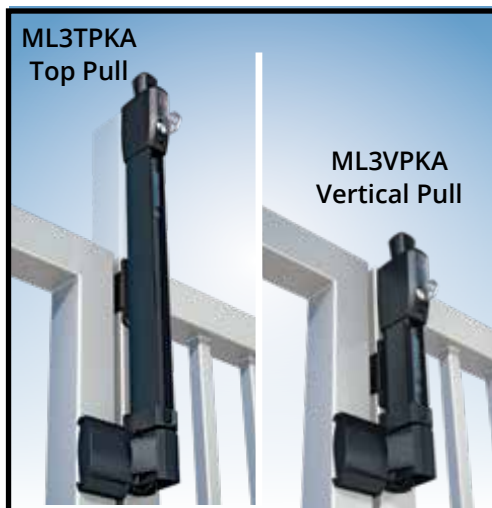
- Runaway stop
- Mounted via screws
- 4-3/4" high

202

ALL DIMENSIONS ARE APPROXIMATE.

PRODUCT FEATURES

- Improved, stylish 'Series 3' design
- Industry leading magnetic latching technology
- Visual indicator provides Locked/ Unlocked status
- 6-pin lock for higher security (rekeyable)
- Superior performance in extreme climates
- Vertical and horizontal adjustment
- Indicator marks tell you if adjustment is needed



**ML3TPKAWT
Top Pull**
20-1/2" tall

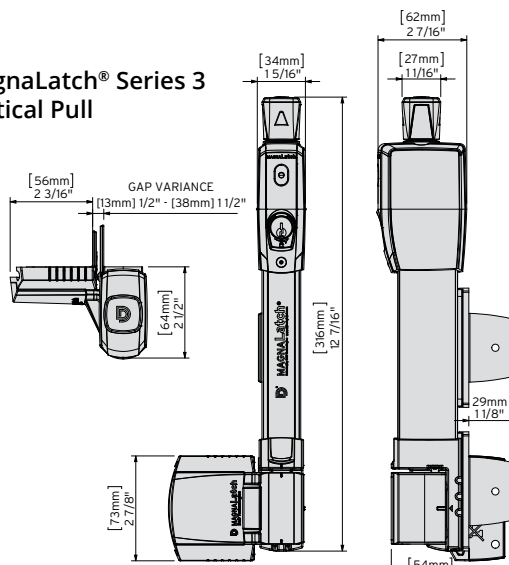


**ML3VPKAWT
Vertical Pull**
12-7/16" tall

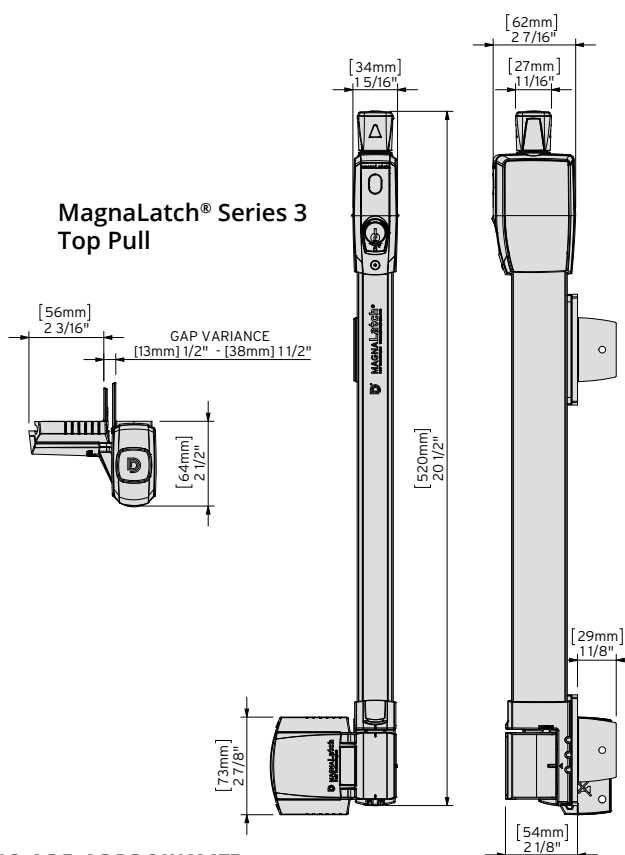
CODE	COLOR	MODEL FEATURE	IDEAL GAP	GAP VARIANCE
ML3TPKA	Black	Top Pull 6-Pin Lock - Keyed Alike	3/4" (19mm)	1/2" - 1 1/2" (13-38mm)
ML3VPKA	Black	Vertical Pull 6-Pin Lock - Keyed Alike	3/4" (19mm)	1/2" - 1 1/2" (13-38mm)
ML3RPK	Black	ML3 Round Post Adaptor Kit	1 1/2" (38mm)	1 1/4" - 2 1/4" (32-57mm)
ML3SPACER	Black	Gate Gap Spacer Works with Series 2, 3 and Alert Models	2" (50mm)	
MKEY6PIN	-----	Duplicate Key for Series 3	-----	-----
ML3TPKAWT	White	Top Pull 6-Pin Lock - Keyed Alike	-----	1/2" - 1 7/16" (13-36mm)
ML3VPKAWT	White	Vertical Pull-Series 3	-----	1/2" - 1 1/2" (13-38mm)
MLDUPKEY	-----	Duplicate Key for Series 2	-----	-----



**MagnaLatch® Series 3
Vertical Pull**



**MagnaLatch® Series 3
Top Pull**



ALL DIMENSIONS ARE APPROXIMATE.

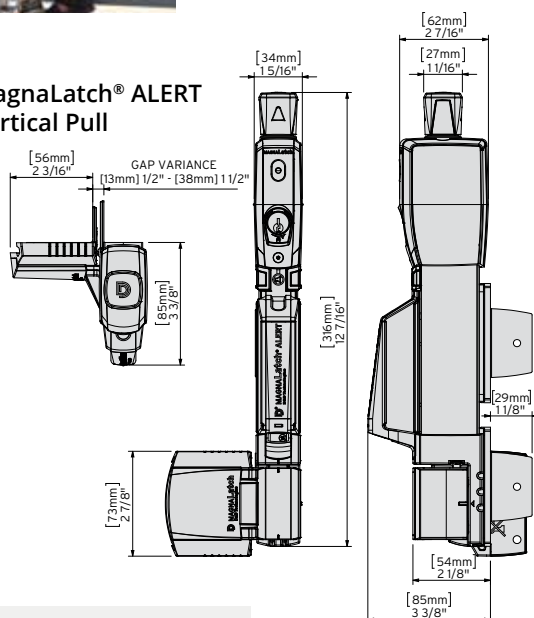
PRODUCT FEATURES

- World's **ONLY** combined safety gate latch and electronic alarm
- The same advanced safety features as the MagnaLatch 'Series 3'
- Visual and audible alarms (flashing LEDs & sound alerts)
- Alarms notify if gate is open or not securely latched
- Single alert beep each time gate is entered/exited
- Full alarm mode if gate is left open for 15 seconds
- Optional: Touch-sensor disarm feature
- Long-life lithium battery included

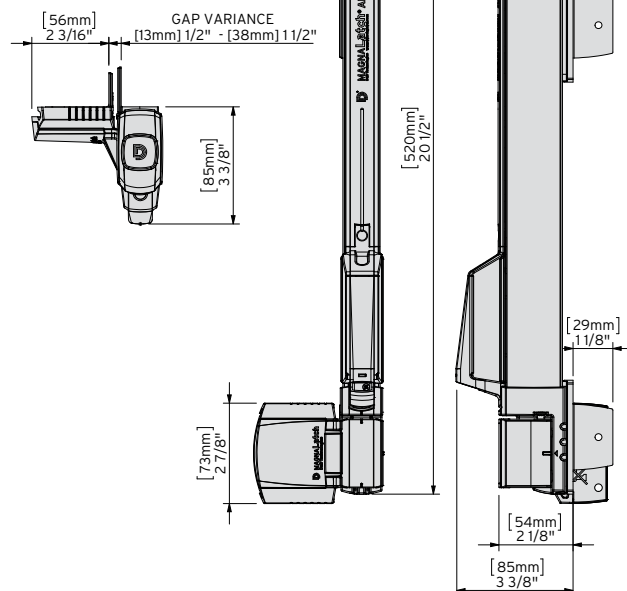
CODE	COLOR	MODEL FEATURE	IDEAL GAP	GAP VARIANCE
ML3ATPKAG2	Black	Top Pull - 6-Pin Lock - Keyed Alike + Alarm	¾" (19mm)	½" - 1 ½" (13-38mm)
ML3AVPKAG2	Black	Vertical Pull - 6-Pin Lock - Keyed Alike + Alarm	¾" (19mm)	½" - 1 ½" (13-38mm)
MKEY6PIN	-----	Duplicate Key for Series 3	-----	-----



**MagnaLatch® ALERT
Vertical Pull**



**MagnaLatch® ALERT
Top Pull**



NOTE: All MagnaLatch Series 3 and ALERT models are keyed alike

ALL DIMENSIONS ARE APPROXIMATE.

FORTIMA™

MAGNETIC CHILD-SAFE GATE LATCH



Watch the FortiMa installation video.

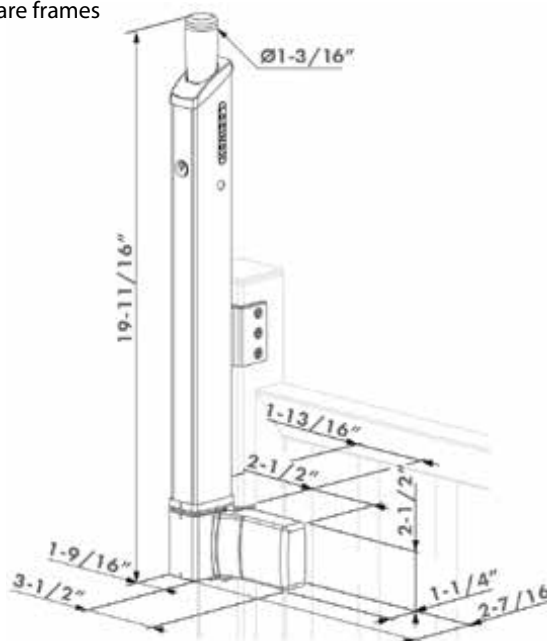
Child-safe gate latch for safety, security and ease of entrance. Anodized aluminum and powder coated housing guarantees prolonged weather resistance. FortiMa's patented internal leverage allows for smooth lift-to-open access. Find security in this re-keyable to match latch with the largest magnet in its class.

- Extreme weather resistance in any climate
- Unique and extremely durable patented design with anodized aluminum housing
- Strongest magnetic force on the market: magnetic distance of 1-1/4" (2x industry standard!)
- Tested up to 2 million cycles - Limited Lifetime Warranty!
- Rekeyable to match any lock: Schlage-C Key-in-knob cylinder (5pin, drilled 6pin)
- Sag-proof! 3/4" vertical tolerance after installation
- Full vertical adjustability and 1" horizontal adjustability - a gap of 3/8" up to 1-3/8"
- Push down prevention: only opens when magnet is pulled up, adding additional security
- Perfect for metal, vinyl or wooden gates, available for round (R) and square (K) posts
- Meets international standards for pool gates (always confirm with the respective authorities)



FORTIMA-SD-K

for square frames



FORTIMA-SD-R

for round frames



Latch is supplied with chain link mounting brackets.



ALL DIMENSIONS ARE APPROXIMATE.

LOKKLATCH® General-Purpose, Lockable Latch

PRODUCT FEATURES

- Key lockable - no need for padlock
- Optional External Access (Push-Button) Kit allows operation from both sides of gate
- Quick and easy to install and adjust
- Won't rust or corrode
- Round-post model fits most chainlink gates
- Industrial-strength polymer construction



CODE	FEATURE	COLOR	GATE MATERIAL	IDEAL GAP	GAP VARIANCE
LLAA, LLAABW	Latch only	Black White	Metal, Wood, Vinyl	¾" (19mm)	⅜" - 1 ½" (10-38mm)
LLB, LLBW	EAK only	Black White	Metal, Wood, Vinyl	-	-
LLAAB, LLAABW	Latch + EAK	Black, White	Metal, Wood, Vinyl	¾" (19mm)	⅜" - 1 ½" (10-38mm)
LLABRND	Round Post Latch + EAK	Black	Chainlink	1 ½ (38mm)	1" - 2" (25-50mm)

NOTE: All standard LokkLatch models are keyed alike

LOKKLATCH® PLUS Privacy Gate Latch

PRODUCT FEATURES

- Operates & locks from both sides of gate
- Innovative alignment jig for easy installation
- Requires only one drilled hole through post
- Includes 5" & 6" (125 & 150mm) connector rods
- Over 200 lock-cylinder combinations
- Vertically and horizontally adjustable
- Will not rust, bind or stain
- Industrial-strength polymer construction
- 316 marine-grade stainless components
- Fits fence posts 1" - 6" (25-150mm) deep



CODE	COLOR	KEYED	GATE MATERIAL	IDEAL GAP	GAP VARIANCE
LL3PWD	Black	Different	Metal, Wood, Vinyl	¾" (19mm)	⅜" - 1 ⅛" (10-27mm)
LL3PWA	Black	Alike	Metal, Wood, Vinyl	¾" (19mm)	⅜" - 1 ⅛" (10-27mm)
LL3PWAWT	White	Alike	Metal, Wood, Vinyl	¾" (19mm)	⅜" - 1 ⅛" (10-27mm)

LOKKLATCH® DELUXE PREMIUM Privacy & Security Gate Latch

PRODUCT FEATURES

- Operates & locks from both sides of gate
- Ideal for residential and heavy-duty gates
- Dual 6-pin locks (can be rekeyed)
- Keyed-alike or keyed different options
- Requires only one drilled hole through post
- Includes 5" & 6" (125 & 150mm) connector rods
- Vertically & horizontally adjustable
- Industrial-strength polymer construction
- 316 marine-grade stainless components
- Fits fence posts 1½" - 6" (38-150mm) deep



CODE	COLOR	KEYED	GATE MATERIAL	IDEAL GAP	GAP VARIANCE
LLDAB-K LLDABW-K	Black, White	Different	Metal, Wood, Vinyl	1" (25mm)	⅝" - 1 ½" (16-38mm)
LLDAB-KSA LLDABW-KSA	Black, White	Alike	Metal, Wood, Vinyl	1" (25mm)	⅝" - 1 ½" (16-38mm)

LokkLatch DELUXE requires only one hole drilled through the post.

LOKKLATCH® PRO.SL Self-Locking Security Gate Latch

PRODUCT FEATURES

- Automatically locks when gate closes
- Requires key to enter and exit
- Operates from both sides of gate
- Dual 6-pin rekeyable locks
- Fits fence posts up to 6" (150mm) deep
- Vertically & horizontally adjustable
- Industrial-strength polymer construction
- 316 marine grade stainless components



CODE	COLOR	KEYED	GATE MATERIAL	IDEAL GAP	GAP VARIANCE
LLP1S-K LLP1SW-K	Black, White	Different	Metal, Wood	¾" (19mm)	½" - 1 ½" (13-38mm)
LLP1S-KSA	Black	Alike	Metal, Wood	¾" (19mm)	½" - 1 ½" (13-38mm)
LLP2S-K	Black	Different	Vinyl	¾" (19mm)	½" - 1 ½" (13-38mm)
LLP2S -KSA	Black	Alike	Vinyl	¾" (19mm)	½" - 1 ½" (13-38mm)

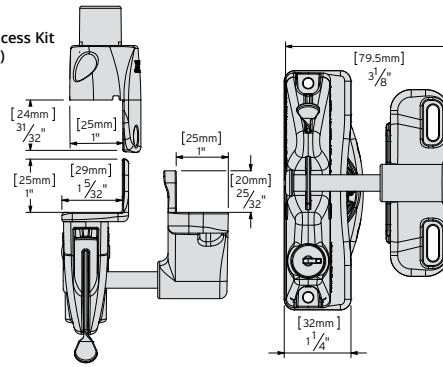
ALL DIMENSIONS ARE APPROXIMATE.

LOKKLATCH® GATE LATCH

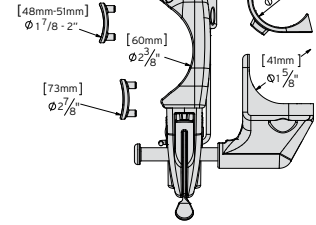
LOKKLatch®



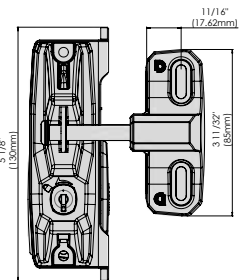
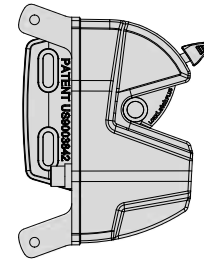
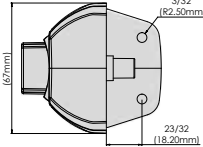
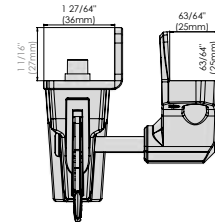
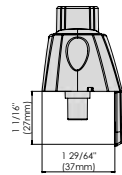
External Access Kit (LLB)



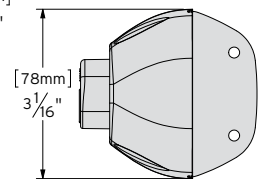
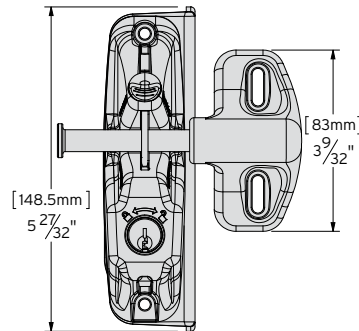
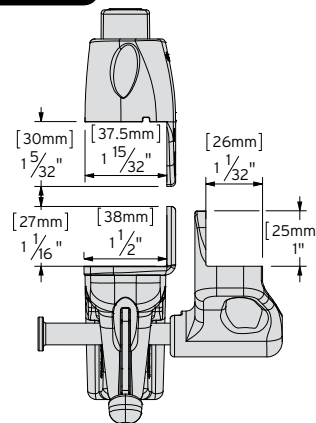
LLABRND



LOKKLatch® PLUS



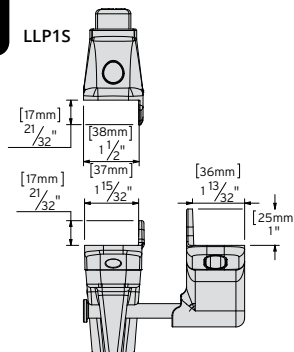
LOKKLatch® DELUXE



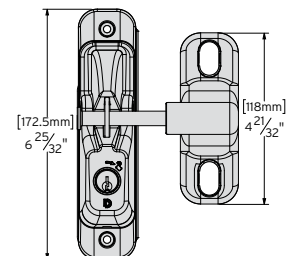
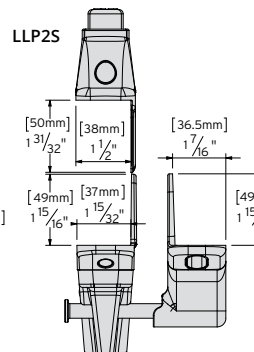
LOKKLatch® PRO.SL



LLP1S



LLP2S



ALL DIMENSIONS ARE APPROXIMATE.

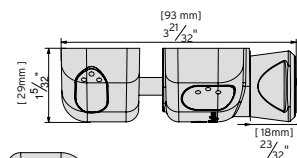
SIDE PULL MODEL Magnetic Latch for General-Purpose Residential Gates

PRODUCT FEATURES

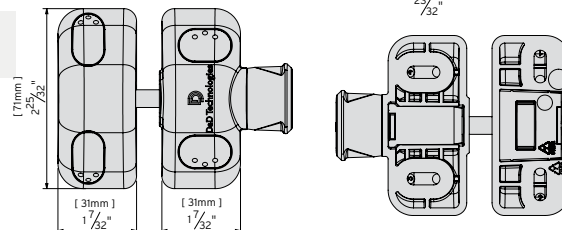
- Same reliable magnetic latching as other MagnaLatch® models
- Available with or without lock cylinder
- Model for glass pool gates available
- Vertical & horizontal adjustment
- Stylish dress caps - no visible fasteners
- Small & unobtrusive - easy to install
- Will not rust or corrode



Easy horizontal and vertical adjustment at any time helps overcome gate sag or ground movement.



NOTE: All MagnaLatch Side Pull Lockable are keyed alike



CODE	COLOR	MODEL - FEATURE	IDEAL GAP	GAP VARIANCE
MLSPS2L	Black	Key Lockable Side Pull	3/8" (10mm)	5/16" - 11/16" (7-17mm)
MLSPS2	Black	Side Pull	3/8" (10mm)	5/16" - 11/16" (7-17mm)

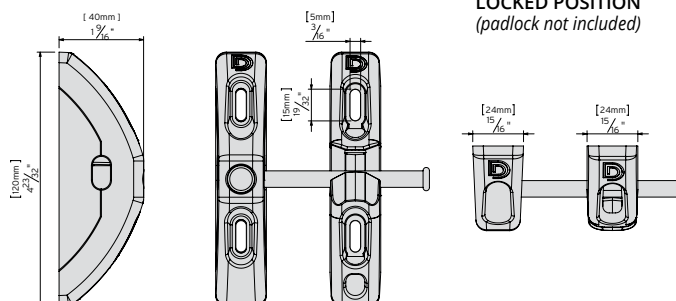
T-Latch™ Toggle-style, Padlockable Gravity Gate Latch

PRODUCT FEATURES

- Toggle action automatically compensates for any gate sag
- Fits all square posts & gate frames
- Adjusts vertically and horizontally
- Padlockable, with padlock storage feature
- Ultra-tough polymer body
- Stainless steel latch bolt



LOCKED POSITION
(padlock not included)



CODE	COLOR	MODEL - FEATURE	IDEAL GAP	GAP VARIANCE
TL01	Black	Padlockable latch	1" (25mm)	3/8" - 1 3/4" (10-44mm)



210001

Regular Duty
Gravity Latch



210002

Heavy Duty Gravity Latch



210007

Heavy Duty Gravity Latch
with Cable and O-Ring

ALL DIMENSIONS ARE APPROXIMATE.



LOKKLATCH® MAGNETIC

Key-Lockable, Dual Gate Lock. Push/Pull Handle.

PRODUCT FEATURES

- Operates and locks from both sides of the gate
- Proven D&D-patented magnetic latching
- Black trim covers included (metallic options)
- No visible fasteners
- Keyed-alike or keyed different
- Dual 6-pin rekeyable locks
- Vertical & horizontal adjustment
- Match trim covers with TruClose Series 3 hinges

CODE	COLOR	TRIM FINISH	KEYING STYLE	IDEAL GAP	GAP VARIANCE
LLMKABT	Black	Black	Keyed Alike	3/4" (19mm)	3/8" - 1 1/4" (10-32mm)
LLMKAST	Black	Brushed	Keyed Alike	3/4" (19mm)	3/8" - 1 1/4" (10-32mm)
LLMKDBT	Black	Brushed	Keyed Different	3/4" (19mm)	3/8" - 1 1/4" (10-32mm)
LLMKDCT	Black	Brushed	Keyed Different	3/4" (19mm)	3/8" - 1 1/4" (10-32mm)
LLMKDST	Black	Brushed	Keyed Different	3/4" (19mm)	3/8" - 1 1/4" (10-32mm)



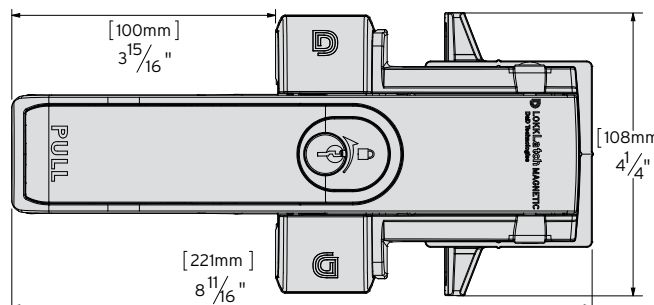
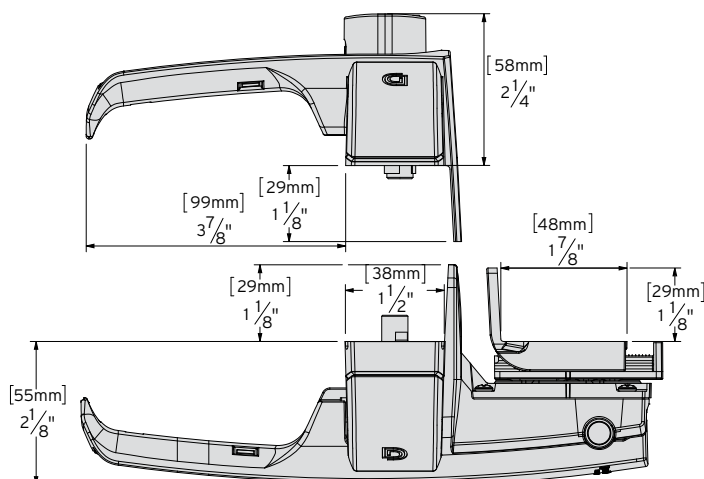
Black Trim



Brushed Trim



Chrome Trim



ALL DIMENSIONS ARE APPROXIMATE.

SPRING
LATCH



2835 KEYLESS MECHANICAL DIGITAL **SPRING LATCH** DOOR LOCK

Lockey 2835 Keyless Mechanical Digital Spring Latch Door Lock is a bump proof, pick proof, mechanical keyless door lock that does not require wires, batteries or electricity. This lock does have a lever handle on the outside and inside and is ADA compliant. This lock does have the passage function or can be set to lock everytime the door closes. The passage function allows the springlatch to move freely, in and out, until you lock it again.

This lock is perfect to replace your current door knob or for brand new doors. These provide keyless security, are easy to install and use, fit most doors and are weather resistant. For outdoor or indoor use.

- Fits doors 1-3/8" to 2" thick
- Deadlocking spring latch
- Can be set to lock every time door closes
- Can remain unlocked with the passage function
- Heavy duty security
- Covers a standard 2 1/8" hole
- 2-3/8" or 2-3/4" backset
- For right or left handed doors/changeable handling
- Combination is easily changed
- Lock only dimensions 5-1/2" H X 1-5/8" W X 1-1/2" D
- Total lock dimensions with trim plates 6-1/2" H X 2-1/2" W X 1-1/2" D
- Combination can be 2-7 digits in length with tumblers provided
- Double combination (DC) available

2835SN - Spring Door Latch in Satin Nickel

2835SC - Spring Door Latch in Satin Chrome

2835JB - Spring Door Latch in Jet Black

2835MG - Spring Door Latch in Marine Grade

GATE BOX



- Can be welded or bolted on gate frame
- Measures 4-3/4"W x 7-5/8"H x 1-3/4"D with 2-3/8" backset

GB2500 - Steel

GB2500AL - Aluminum

HEAVY
DUTY
SECURITY
SPRING
LATCH



1150 KEYLESS MECHANICAL DIGITAL **SPRING LATCH** DOOR LOCK

Lockey 1150 Keyless Mechanical Digital Spring Latch Door Lock is a bump proof, pick proof, mechanical keyless door lock that is ADA compliant and does not require wires, batteries or electricity. This lock can be set to lock every time the door closes or can be set to remain in the unlocked position with the passage function. With the passage function the spring latch will release when the handle is used to open the door and will go back into the door jam when the door closes.

- Heavy duty security
- Covers a standard 2-1/8" hole
- Fits most standard hinged doors
- Fits doors 1-3/8" to 2" thick
- Comes with 2-3/8" standard & 2-3/4" deadlocking springlatch
- Combination is easily changed
- Lock dimensions 7-1/2" H X 2-7/16" W
- Teflon coated inner parts
- Use on most hinged doors
- Combination can be 2-7 digits in length with tumblers provided
- Double combination (DC) available

This lock is not changeable from a right to left handle. You MUST specify right or left hand when ordering.

1150MG - Spring Door Latch in Marine Grade

1150JB - Spring Door Latch in Jet Black

1150OB - Spring Door Latch in Oil Rubbed Bronze

GATE BOX



- Can be welded or bolted on gate frame
- Measures 4-3/4"W x 8-1/2"H x 1-3/4"D with 2-3/8" backset

GB1150 - Steel

GB1150AL - Aluminum

ALL DIMENSIONS ARE APPROXIMATE.

**HEAVY
DUTY
SECURITY
ADAMS RITE
STILE
LATCH**



2985JB - Adams Rite Stile Latch in Jet Black

2985MG - Adams Rite Stile Latch in Marine Grade

2985 KEYLESS MECHANICAL DIGITAL ADAMS RITE STILE LATCH DOOR LOCK

Lockey 2985 Keyless Mechanical Digital Adams Rite Stile Latch Door Lock, for narrow stile doors, is a bump proof, pick proof, mechanical keyless door lock that does not require wires, batteries or electricity. Lever handle on the outside and inside. This lock does have the passage function or can be set to lock everytime the door closes. The passage function allows the spring latch to move freely, in and out, until you lock it again. For outdoor or indoor use.

- Fits doors 1-3/8" to 2" thick
- Adams Rite Stile Latch
- 1-1/8" backset
- 5/8" throw
- Can be set to lock every time door closes
- Can remain unlocked with the passage function
- Heavy duty security
- For right or left handed doors/changeable handling
- Combination is easily changed
- Lock only dimensions 5-1/2" H X 1-5/8" W X 1-1/2" D
- Total lock dimensions with trim plates 6" H X 2" W X 1-1/2" D
- Combination can be 2-7 digits in length with tumblers provided
- Double combination (DC) available

GATE BOXES



- Can be welded or bolted on gate frame
- Measures 2"W x 7"H x 1-3/4"D

GB900+ - Steel box in black
GB900AL+ - Aluminum

CHAINLINK GATE BOX



- No welding required
- Measures 2"W x 7"H x 2"D

GB2900-LINX - Stainless Steel

**HEAVY
DUTY
DEADBOLT
SECURITY**



M210SN - Deadbolt Door Lock in Satin Nickel

M210JB - Deadbolt Door Lock in Jet Black

M210MG - Deadbolt Door Lock in Marine Grade

M210 KEYLESS MECHANICAL DIGITAL DEADBOLT DOOR LOCK

Lockey M210 Keyless Mechanical Digital Deadbolt Door Lock is a bump proof, pick proof, mechanical keyless door lock that does not require wires, batteries or electricity.

This lock is perfect to replace your existing deadbolt or for brand new doors. These provide keyless security, are easy to install and use, fit most doors and are weather resistant.

- Heavy duty, deadbolt security
- Covers a standard 2-1/8" hole
- Fits doors 1-3/8" to 2" thick
- 2-3/8" or 2-3/4" adjustable deadbolt
- For right or left handed doors/changeable handling
- Combination is easily changed
- Lock only dimensions 4-7/8"H X 1-7/16"W X 1-3/4"D
- Total lock dimensions with trim plates 5-5/8"H X 2-1/2"W
- Combination can be 2-5 digits in length with tumblers provided
- Double combination (DC) available

GATE BOX



- Can be welded or bolted on gate frame
- Measures 4-1/8"W x 6"H x 1-3/4"D with 2-3/8" backset

GB200M - Steel
GB200MAL - Aluminum

ALL DIMENSIONS ARE APPROXIMATE.

MORTISED DEADBOLT FOR NARROW STILE DOORS



2900 KEYLESS MECHANICAL DIGITAL MORTISED DEADBOLT DOOR LOCK

Lockey 2900 Keyless Mechanical Digital Mortised Deadbolt Door Lock, for narrow stile doors is a bump proof, pick proof, mechanical keyless door lock that does not require wires, batteries or electricity.

Five-ply laminated steel bolt with concealed hardened steel pin for maximum security. This narrow style deadbolt would be used on storefronts, sliding glass doors or any door with an Adams-Rite latch.

- 1-1/8" backset
- 1-1/2" throw
- Five-ply laminated steel bolt with concealed hardened steel pin for maximum security
- Fits doors 1-3/8" to 2" thick
- Outside knob is 1" diameter
- For right or left handed doors/changeable handling
- Combination is easily changed
- Lock only dimensions 5-5/8" H X 1-5/8" W X 1-7/16" D
- Total lock dimensions with trim plates 6" H X 2" W X 1-1/2" D
- Combination can be 2-7 digits in length with tumblers provided
- Double combination (DC) available

2900SC - Mortised Deadbolt in Satin Chrome

2900MG - Mortised Deadbolt in Marine Grade

GATE BOXES



- Can be welded or bolted on gate frame
- Measures 2"W x 7"H x 1-3/4"D

GB900+ - Steel box in black
GB900AL+ - Aluminum

CHAINLINK GATE BOX



- No welding required
- Measures 2"W x 7"H x 2"D

GB2900-LINX - Stainless Steel

MORTISED HOOK BOLT FOR NARROW STILE DOORS



2950 KEYLESS MECHANICAL DIGITAL MORTISED HOOK BOLT DOOR LOCK

Lockey 2950 Keyless Mechanical Digital Mortised Hook Bolt Door Lock. For narrow stile doors is a bump proof, pick proof, mechanical keyless door lock that does not require wires, batteries or electricity.

Five-ply laminated steel bolt with concealed hardened steel pin for maximum security.

- 1-1/8" backset
- 7/8" throw
- Five-ply laminated steel hook bolt with concealed hardened steel pin for maximum security
- Fits doors 1-3/8" to 2" thick
- Outside knob is 1" diameter
- For right or left handed doors/changeable handling
- Combination is easily changed
- Lock only dimensions 5-5/8" H X 1-5/8" W X 1-7/16" D
- Total lock dimensions with trim plates 6" H X 2" W X 1-1/2" D
- Combination can be 2-7 digits in length with tumblers provided
- Double combination (DC) available

2950SC - Mortised Hook Bolt in Satin Chrome

GATE BOXES



- Can be welded or bolted on gate frame
- Measures 2"W x 7"H x 1-3/4"D

GB900+ - Steel box in black
GB900AL+ - Aluminum

CHAINLINK GATE BOX



- No welding required
- Measures 2"W x 7"H x 2"D

GB2900-LINX - Stainless Steel

ALL DIMENSIONS ARE APPROXIMATE.

SUMO SURFACE MOUNT SECURITY GATE LOCK



SUMO™ GL2 SURFACE MOUNT GATE LOCK

You can depend on the SUMO™ GL2 Surface Mount Gate Lock to protect your pool, dock or beach access after hours and whenever you need it. Using the keyed cylinder lockout function, staff can lock the gate with the key and render the keypad inoperable. The lock will be secure so even users with the code cannot enter. The deadlocking spring latch prevents tampering, meaning no one will be able to force the lock open. This gate lock also features a passage mode, which allows the gate to be opened freely without a passcode from both sides during hours of operation. This lock is excellent for gates that surround your indoor and outdoor pools, private beaches, or other liability areas to keep children from harm. No welding is needed for installation as the lock housing secures to your existing gate with the included mounting kit. Weather-resistant and built from zinc-plated steel, this lock will function in any situation where reliable security is needed.

- Easy to install surface mount gate kit, lock included
- No welding needed
- Locks automatically, equipped with passage function
- Keyed cylinder lockout function prevents code use when locked
- Deadlocking spring latch prevents tampering
- Adjustable strike accommodates gaps between gate & post up to 2"
- One user code
- Changeable handing
- Ideal for ornamental, aluminum, vinyl, and wood gates
- Fits up to 3.5" thick gates (5" thick with extension kit)
- Double combination (DC) available

Please note: To retain product warranty, a slam prevention device must also be installed on the gate

GL2JBMG	SUMO GL2 in Jet Black, Marine Grade
GL2JBMGDC	SUMO GL2 in Jet Black, Marine Grade, Double Combination
GL2SCMG	SUMO GL2 in Satin Chrome, Marine Grade
GL2SCMGDC	SUMO GL2 in Satin Chrome, Marine Grade, Double Combination

Dimensions & Specifications

Dimensions on gate:
9-5/16" L x 2-1/2" W x 4" D
Dimensions on fence post:
8-5/8" L x 1-1/2" W x 2-1/4" D
Gate Thickness: 1-1/4" to 3-1/2", up to 5" with Extension Kit (sold separately)
Minimum Gate Stile Width: 1-1/2"
Lock Material: Zinc-plated steel
Teflon coated stainless steel interior components
For Exterior & Interior Use
Weather Resistant
Lifetime Mechanical Warranty



SUMO™ GL2LINX ADAPTER FOR CHAIN LINK

Chain Link Gate Adapter – Lock sold separately
For mounting a LockeyUSA SUMO™ GL2 keyless gate lock on a chain link gate
Bolts on, no welding needed.

Dimensions & Specifications

Fence Post Adapter: 9" L x 2-1/2" W x 2-1/2" D
Gate Adapter: 9-3/8" L x 2-3/8" W x 2" D
Dimensions on gate with the lock installed (lock sold separately): 9-3/8" L x 2-3/8" W x 4" D
Dimensions on fence post with the lock installed (lock sold separately): 9" L x 2-3/4" W x 4-3/4" D
Material: 16ga Steel
Finish: Black, powder coated



GL2LINX158 Fits 1-5/8" Gate Frame, 3-4" Fence Post

GL2LINX178 Fits 1-7/8" Gate Frame, 3-4" Fence Post



ALL DIMENSIONS ARE APPROXIMATE.

Powdercoated Black

LAPQ10UBL- Fits: 3/8" - 1" Bar

LAKQ30UBL- Fits: 1-1/4" Tube

LAKQ40UBL- Fits: 1-1/2" - 2" Tube

LAKQ60UBL- Fits: 2-1/2" - 3" Tube



Watch video
for installation
instructions



Powdercoated Silver

LAPQ10USL- Fits: 3/8" - 1" Bar

LAKQ30USL- Fits: 1-1/4" Tube

LAKQ40USL- Fits: 1-1/2" - 2" Tube

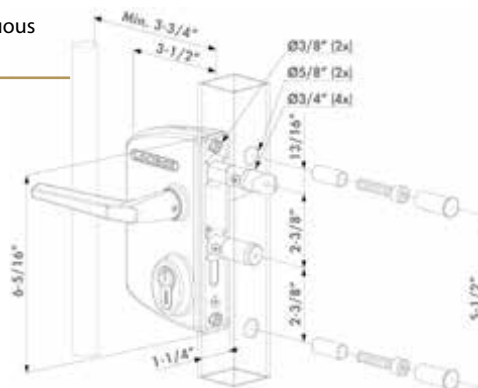
LAKQ60USL- Fits: 2-1/2" - 3" Tube

INDUSTRIAL LOCK

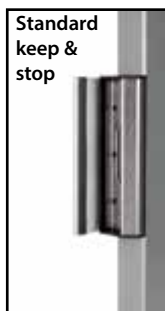
LAKQ U2

Industrial lock with aluminum housing and stainless steel mechanism. We recommend this lock as the standard for your industrial gates. Handle depends on color: silver locks ship standard with the modern aluminum handle pair and the black lock with the black ornamental handle pair. The latch gap required is keeper dependent, but the standard and security keepers require a 1-1/4" latch gap.

- Easy left or right hand changing of the self-latching bolt
- Throw of 7/8" in 1 turn of the key
- 4-hole mounting with two hex head socket screws
- Center distance between bolts: 2-3/8"
- Adjustment of the bolts up to 3/4" continuous without removing the lockbox



GATE STOPS AND STRIKES



SAKLQFAL
Aluminum
SAKLQFBL
Black
Minimum
1-1/4" gap.



SHIELD-SA-9005
SHIELD-SA-ALUM
for SAKL keep.
Use for
anti-theft
protection



SHKLQFAL
Aluminum
SHKLQFBL
Black
Minimum
1-1/4" gap.



SHIELD-SH-9005
SHIELD-SH-ALUM
for SHKL keep
Use for
anti-theft
protection



SF-KLALUMQF
Stainless steel keeper
for narrow gaps.
Minimum 3/8" /
Maximum 13/16" gap



FAIL CLOSE
MODULEC-SA-BL-E
MODULEC-SA-AL-E
FAIL OPEN
MODULEC-SA-BL-R
FAIL CLOSE-SECURITY
MODULEC-SH-BL-E
MODULEC-SH-AL-E

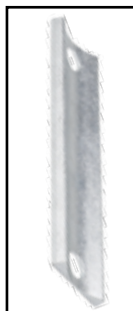


SPKZQF-40-9005
Recommended
gap: 1/4" min.
Uses Quick-fix
anchor bolts to
mount.

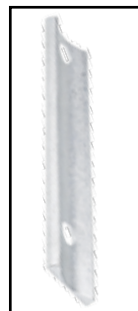
ROUND POST ADAPTERS



3019LA -
Adapter plate
for lock for
round posts
Ø ≥ 1-3/8"

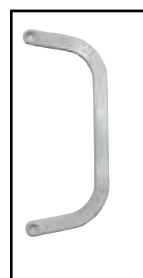


3018LA -
Adapter plate
for standard
keep for round
posts Ø ≥ 2"



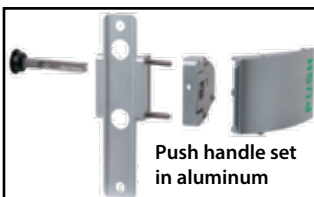
6403 -
Adapter plate
for security
keep for round
posts Ø ≥ 2"

CHAINLINK ADAPTER



CLH - Chainlink
Adapter

FREE EXIT OPTIONS



3006PUSH

The handle set fits the LAKQ U2 and LUKY locks and allows it to be used in the following applications: Safety Exit, Free Exit, Dead Latch, or Store Room Lock. The PUSH-set replaces standard lever handle.



PUSHBAR-L - Aluminum Push Bar

Push bar for easy opening of the gate by a simple push. The Push bar replaces standard lever handle, operates the daybolt and can quickly be installed on a new or existing Locinox LUKY, LAKQ U2 or LFKQ chassis.

ALL DIMENSIONS ARE APPROXIMATE.

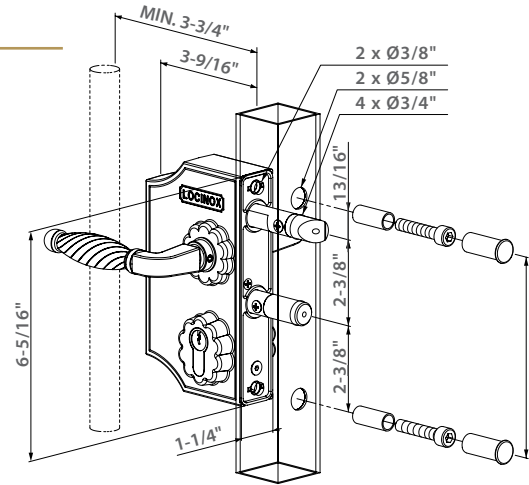


ORNAMENTAL GATE LOCK - WIDE BODY

LAKQ H2 - Min. 3-3/4" spacing to first picket

Ornamental lock with aluminum housing and stainless steel mechanism. We recommend this wider ornamental lock for gates that have 3-3/4" spacing to the first picket on ornamental gates. Ships standard with the black ornamental handle pair. The latch gap required is keeper dependent, but the standard and security keepers require a 1-1/4" latch gap.

- Easy left or right hand changing of the self-latching bolt
- Throw of 7/8" in 1 turn of the key
- Adjustment of the bolts up to 3/4" continuous without removing the lockbox
- 4-hole mounting with two hex head socket screws
- Center distance between bolts: 2-3/8"



Powdercoated Black

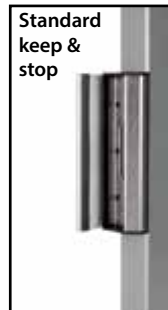
LAPQ10HBL- Fits: 3/8" - 1" Bar

LAKQ30HBL- Fits: 1-1/4" Tube

LAKQ40HBL- Fits: 1-1/2" - 2" Tube

LAKQ60HBL- Fits: 2-1/2" - 3" Tube

GATE STOPS AND STRIKES



Standard keep & stop

SAKLQFAL
Aluminum
SAKLQFBL
Black
Minimum 1-1/4" gap.



SHIELD
Use with the SAKL standard keep

SHIELD-SA-9005
SHIELD-SA-ALUM
for SAKL keep.
Use for anti-theft protection



Security keep

Use where higher security is desired.

SHKLQFAL
Aluminum
SHKLQFBL
Black
Minimum 1-1/4" gap.



SHIELD
Use with the SHKL security keep

SHIELD-SH-9005
SHIELD-SH-ALUM
for SHKL keep
Use for anti-theft protection



Narrow Keep

SF-KLALUMQF
Stainless steel keeper for narrow gaps.
Minimum 3/8" / Maximum 13/16" gap



SURFACE MOUNTED Electric Strike

For profiles 1-1/2" - 2-1/2".

FAIL CLOSE
MODULEC-SA-BL-E
MODULEC-SA-AL-E
FAIL OPEN
MODULEC-SA-BL-R
FAIL CLOSE-SECURITY
MODULEC-SH-BL-E
MODULEC-SH-AL-E



Insert Keep for Square Profiles

SPKZQF-40-9005
Recommended gap: 1/4" min.
Uses Quick-fix anchor bolts to mount.

FREE EXIT OPTIONS

The 3006HK can be used for FREE EXIT by eliminating the handle completely on one side. This converts the standard handle from double sided to single sided- "one side operating and one side blocked (no handle)".



3006HK

The 3006KR can be used for Free Exit, Store room, or dead latch situations: one side fixed with one side operational, both sides fixed, or one side blocked with one side operational.



3006KR



Strike Plate with counter-lockbox.
Recommended gap 1/4"

SPKZTK40 - Fits 1-1/2" sq.
SPKZTK50 - Fits 2" sq.

ALL DIMENSIONS ARE APPROXIMATE.

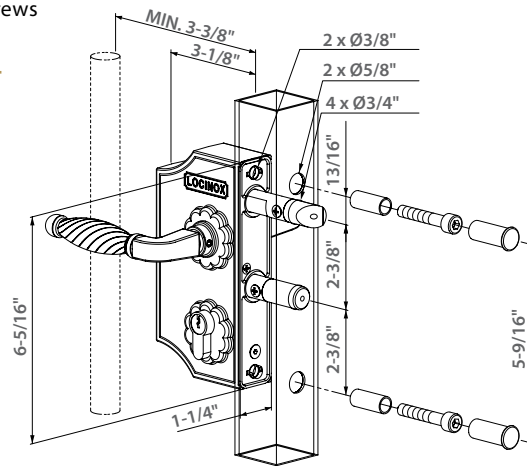


ORNAMENTAL GATE LOCK - NARROW BODY

LAKY F2 - Req. only 3-3/8" spacing to first picket

Ornamental lock with aluminum housing and stainless steel mechanism. We recommend this lock as the standard for your ornamental gates as it only requires a 3-3/8" spacing to the first picket and will fit nicely into most gates. Ships standard with the black ornamental handle pair. The latch gap required is keeper dependent, but the standard and security keepers require a 1-1/4" latch gap.

- Easy left or right hand changing of the self-latching bolt
- Throw of 7/8" in 1 turn of the key
- Adjustment of the bolts up to 3/8" continuous without removing the lockbox
- 4-hole mounting with two hex head socket screws
- Center distance between bolts: 2-3/8"



Powdercoated Black

LAPY10FBL - Fits: 3/8" - 7/8" Bar

LAPY20FBL - Fits: 3/4" - 1" Bar

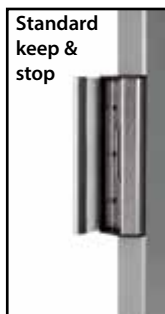
LAKY20FBL - Fits: 7/8" - 1-1/4" Tube

LAKY30FBL - Fits: 1-1/4" - 1-3/8" Tube

LAKY40FBL - Fits: 1-1/2" - 1-3/4" Tube

LAKY50FBL - Fits: 1-7/8" - 2" Tube

GATE STOPS AND STRIKES



SAKLQFAL
Aluminum
SAKLQFBL
Black
Minimum
1-1/4" gap.



SHIELD-SA-9005
SHIELD-SA-ALUM
for SAKL keep.
Use for
anti-theft
protection



SHKLQFAL
Aluminum
SHKLQFBL
Black
Minimum
1-1/4" gap.



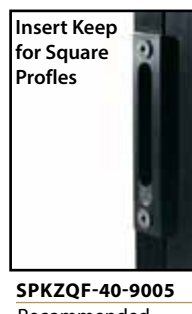
SHIELD-SH-9005
SHIELD-SH-ALUM
for SHKL keep
Use for
anti-theft
protection



SF-KLALUMQF
Stainless steel keeper
for narrow gaps.
Minimum 3/8" /
Maximum 13/16" gap



FAIL CLOSE
MODULEC-SA-BL-E
MODULEC-SA-AL-E
FAIL OPEN
MODULEC-SA-BL-R
FAIL CLOSE-SECURITY
MODULEC-SH-BL-E
MODULEC-SH-AL-E



SPKZQF-40-9005
Recommended
gap: 1/4" min.
Uses Quick-fix
anchor bolts to
mount.

FREE EXIT OPTIONS

The 3006HK can be used for FREE EXIT by eliminating the handle completely on one side. This converts the standard handle from double sided to single sided- "one side operating and one side blocked (no handle)".



3006HK

The 3006KR can be used for Free Exit, Store room, or dead latch situations: one side fixed with one side operational, both sides fixed, or one side blocked with one side operational.



3006KR



Recommended gap 1/4"

SPKZTK40 - Fits 1-1/2" sq.
SPKZTK50 - Fits 2" sq.



IKIT60BL - Black

ALL DIMENSIONS ARE APPROXIMATE.

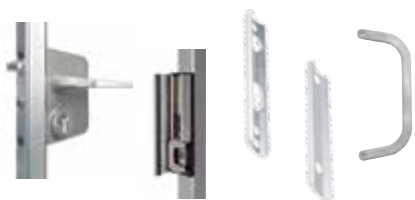


CHAIN LINK GATE LOCK KIT

This kit includes all the necessary components to install a lock on a chain link fence. The lock provides high security, it's made of high quality components such as a rust free aluminum housing and stainless steel mechanism, and it avoids the hassle of customizing each gate with a standard lock box.

EACH KIT CONTAINS

LAKQ U2 Lock
SHKLQF Security Keeper
3019LA Round Post Adapter for Lock
6403 Round Post Adapter for Keeper
CLH Chain Link Adapter



LK40USL

KIT FOR GATE FRAMES 1-5/8" Ø IN SILVER

LK30USL

KIT FOR GATE FRAMES 1-3/8" Ø IN SILVER



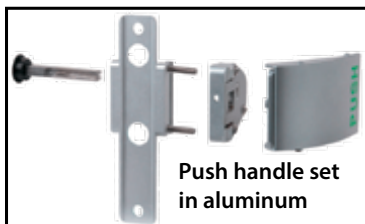
LK40UBL

KIT FOR GATE FRAMES 1-5/8" Ø IN BLACK

LK30UBL

KIT FOR GATE FRAMES 1-3/8" Ø IN BLACK

FREE EXIT OPTIONS



3006PUSH

The handle set fits the LAKQ U2 and LUKY locks and allows it to be used in the following applications: Safety Exit, Free Exit, Dead Latch, or Store Room Lock. The PUSH-set replaces standard lever handle.



PUSHBAR-L - Aluminum Push Bar

Push bar for easy opening of the gate by a simple push. The Push bar replaces standard lever handle, operates the daybolt and can quickly be installed on a new or existing Locinox LUKY, LAKQ U2 or LFKQ chassis.

ALL DIMENSIONS ARE APPROXIMATE.



Powdercoated Black

- LUPY10JBL** - Fits: 3/8" - 7/8" Bar
LUPY20JBL - Fits: 7/8" - 1-1/8" Bar
LUKY30JBL - Fits: 1-1/4" - 1-3/8" Tube
LUKY40JBL - Fits: 1-1/2" - 1-3/4" Tube
LUKY50JBL - Fits: 1-7/8" - 2" Tube
LUKY60JBL - Fits: 2-1/2" - 2-3/4" Tube



Watch video
for installation
instructions

Powdercoated Silver

- LUPY10JSL** - Fits: 3/8" - 7/8" Bar
LUPY20JSL - Fits: 7/8" - 1-1/8" Bar
LUKY30JSL - Fits: 1-1/4" - 1-3/8" Tube
LUKY40JSL - Fits: 1-1/2" - 1-3/4" Tube
LUKY50JSL - Fits: 1-7/8" - 2" Tube
LUKY60JSL - Fits: 2-1/2" - 2-3/4" Tube

USA LOCK

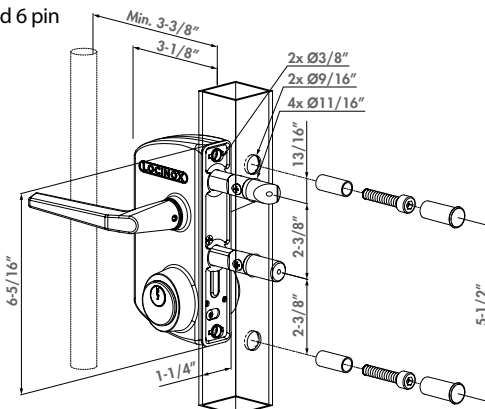
LUKY J5

This USA lock from Locinox does it all. The lock provides high security, it's made of high quality components such as a rust free aluminum housing and stainless steel mechanism, and it avoids the hassle of customizing each gate with a standard lock box.

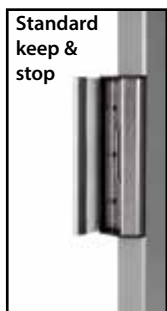
This fully USA compatible lock has a replaceable mortise cylinder and accepts interchangeable core (IC) cylinders.

With it's Schlage C, 5 pin cylinder the lock is easily rekeyed.

- Standard 1 1/8" Mortise Cylinder, 8-32 thread
- Keyed as Schlage C, 5 pin, drilled 6 pin
- Rekeyable cylinder
- Bolt adjustment up to 3/8"
- 7/8" throw of the deadbolt for secure locking
- Rust free aluminum housing
- Stainless steel mechanism
- Free-exit & panic options available
- Lock supplied with ornamental handle
- Lock box requires 3 3/8" to first picket



GATE STOPS AND STRIKES



Standard
keep &
stop

SAKLQFAL
Aluminum
SAKLQFBL
Black
Minimum
1-1/4" gap.



SHIELD
Use with the
SAKL standard
keep

SHIELD-SA-9005
SHIELD-SA-ALUM
for SAKL keep.
Use for
anti-theft
protection



Security
keep

Use where
higher
security is
desired.

SHKLQFAL
Aluminum
SHKLQFBL
Black
Minimum
1-1/4" gap.



SHIELD
Use with the
SHKL security
keep

SHIELD-SH-9005
SHIELD-SH-ALUM
for SHKL keep
Use for
anti-theft
protection



Narrow
Keep

SF-KLALUMQF
Stainless steel keeper
for narrow gaps.
Minimum 3/8" /
Maximum 13/16" gap



**SURFACE
MOUNTED
Electric
Strike**
For
profiles
1-1/2" -
2-1/2".

FAIL CLOSE
MODULEC-SA-BL-E
MODULEC-SA-AL-E
FAIL OPEN
MODULEC-SA-BL-R
FAIL CLOSE-SECURITY
MODULEC-SH-BL-E
MODULEC-SH-AL-E



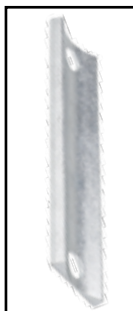
Insert Keep
for Square
Profiles

SPKZQF-40-9005
Recommended
gap: 1/4" min.
Uses Quick-fix
anchor bolts to
mount.

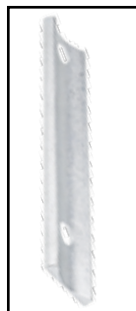
ROUND POST ADAPTERS



3019LA -
Adapter plate
for lock for
round posts
Ø ≥ 1-3/8"



3018LA -
Adapter plate
for standard
keep for round
posts Ø ≥ 2"



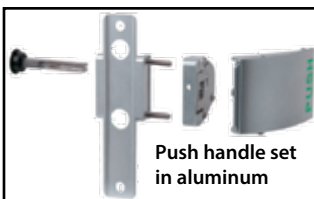
6403 -
Adapter plate
for security
keep for round
posts Ø ≥ 2"

CHAINLINK ADAPTER



CLH - Chainlink
Adapter

FREE EXIT OPTIONS



3006PUSH

The handle set fits the LAKQ U2 and LUKY locks and allows it to be used in the following applications: Safety Exit, Free Exit, Dead Latch, or Store Room Lock. The PUSH-set replaces standard lever handle.



PUSHBAR-L - Aluminum Push Bar

Push bar for easy opening of the gate by a simple push. The Push bar replaces standard lever handle, operates the daybolt and can quickly be installed on a new or existing Locinox LUKY, LAKQ U2 or LFKQ chassis.

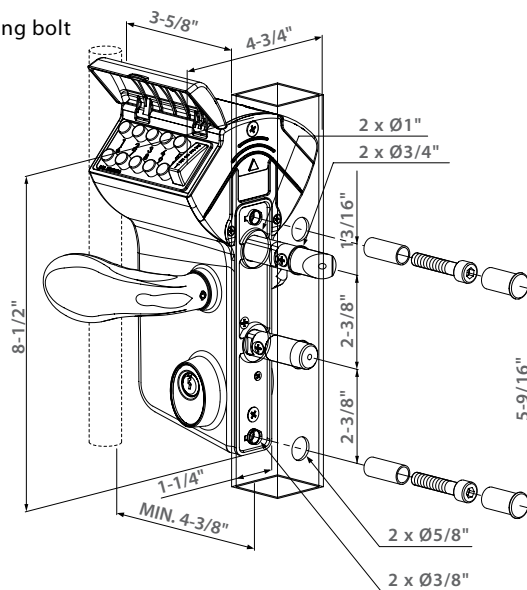
ALL DIMENSIONS ARE APPROXIMATE.

VINCI - MECHANICAL CODE LOCK

LMKQ V2

Mechanical code lock for swing gates with aluminum housing and stainless steel mechanism. This lock is 100% mechanical, so no batteries or electricity are required, which makes it very easy to equip any gate with access control. The dead bolt is used to override the code panel and secure the gate. The latch and dead bolt have 3/4" continuous adjustment to allow perfect alignment of the locking mechanism. A stainless steel throw of 7/8" guarantees secure locking. Ships standard with the Club handle pair. The latch gap required is keeper dependent, but the standard and security keepers require a 1-1/4" latch gap.

- Easy left or right hand changing of the self-latching bolt
- Operational code panel on both sides
- Independent entrance and exit codes
- Equipped with aluminum dust and rain covers
- Easy and fast set-up or modification of the access codes
- Extremely strong and user-friendly mechanism
- Automatic code reset after opening by means of the handle



Watch video for installation instructions

Powdercoated Black

LMKQ30VBL- Fits: 1-1/4" Tube
LMKQ40VBL- Fits: 1-1/2" - 2" Tube
LMKQ60VBL- Fits: 2-1/2" - 3" Tube

Powdercoated Silver

LMKQ30VSL- Fits: 1-1/4" Tube
LMKQ40VSL- Fits: 1-1/2" - 2" Tube
LMKQ60VSL- Fits: 2-1/2" - 3" Tube

FREE EXIT OPTIONS

*Code on one side only.
 No cylinder or deadbolt included*

Powdercoated Black

LFKQ30XBL- Fits: 1-1/4" Tube
LFKQ40XBL- Fits: 1-1/2" - 2" Tube
LFKQ60XBL- Fits: 2-1/2" - 3" Tube

Powdercoated Silver

LFKQ30XSL- Fits: 1-1/4" Tube
LFKQ40XSL- Fits: 1-1/2" - 2" Tube
LFKQ60XSL- Fits: 2-1/2" - 3" Tube

GATE STOPS AND STRIKES



SAKLQFAL - Aluminum
SAKLQFBL - Black



SHIELD-SA for SAKL keep



SHKLQFAL - Aluminum
SHKLQFBL - Black



SHIELD-SH for SHKL keep



SF-KLALUMQF
 Minimum 3/8" / Maximum 13/16" gap

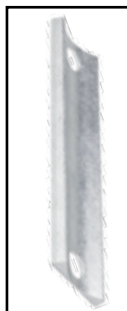


SPKZQF-40-9005
 Recommended gap: 1/4" min. Uses Quick-fix anchor bolts to mount.

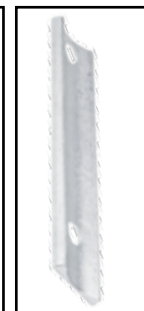
ROUND POST ADAPTERS



3019LA - Adapter plate for lock for round posts Ø ≥ 1-3/8"

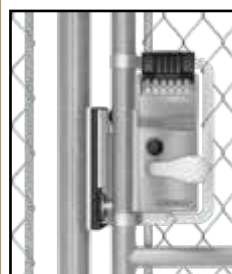


3018LA - Adapter plate for standard keep for round posts Ø ≥ 2"



6403 - Adapter plate for security keep for round posts Ø ≥ 2"

CHAINLINK ADAPTER



CLH-CO
 Chainlink Adapter for Vinci

FREE EXIT OPTIONS



3006PUSH

The handle set fits the LAKQ U2 and LUKY locks and allows it to be used in the following applications: Safety Exit, Free Exit, Dead Latch, or Store Room Lock. The PUSH-set replaces standard lever handle.



PUSHBAR-L - Aluminum Push Bar

Push bar for easy opening of the gate by a simple push. The Push bar replaces standard lever handle, operates the daybolt and can quickly be installed on a new or existing Locinox LUKY, LAKQ U2 or LFKQ chassis.

ALL DIMENSIONS ARE APPROXIMATE.

SLIDING GATE LOCK

LSKZ U2

Slide gate lock for manual sliding gates with aluminum housing and stainless steel mechanism. The key is used to override the lever action and secure the gate. The unique Twistfinger catch bolt and self-correcting keep ensures latching of your sliding gate. Catch bolts are available to fit gate frame profiles from 1-1/2" to 4" wide. Works with cantilever or rolling gate systems.

- Chassis, mechanism and Twistfinger in stainless steel
- Adjustable for horizontal or vertical mounting of the keep (catch bolt)
- Mounting with 2 hex head socket screws
- Innovative closing system
- Stainless steel collar around the Twistfinger prevents cutting through the Twistfinger (catch bolt)
- Standard with reinforced aluminum handle pair



Powdercoated Black
LSKZXXUBL

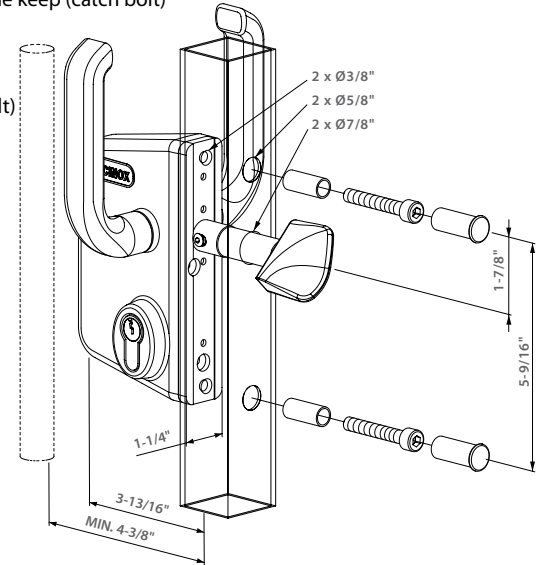
Powdercoated Silver
LSKZXXUSL



Leonardo - Mechanical Code Lock

Powdercoated Black
LLKZXXVBL

Powdercoated Silver
LLKZXXVSL



CATCH BOLT

- 7015-40** - Fits 1-1/2" gate frame
- 7015-50** - Fits 2" gate frame
- 7015-60** - Fits 2-1/2" gate frame
- 7015-100** - Fits 4" gate frame



SLIDING GATE KEEP

SSKZ-QF

Stainless steel sliding keep for hollow posts.

- Keep in stainless steel for square profiles
- Minimum profile size: 3" wide
- Fast and easy installation: Quick-fix
- The keep is 3/8" left/right auto-adjustable for easy and secure anchoring of the lock-twistfinger
- The rubber stop prevents damaging the gate frame



ALUMINUM ADAPTER CASE FOR SSKZ FOR FLAT PROFILES

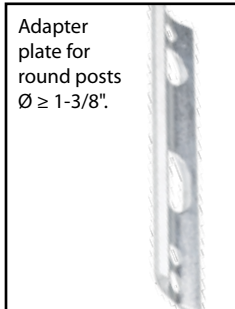
O-SET

Adapter for the SSKZ sliding gate keep. Can be used when mounting the keep on flat profiles or if you want the keep surface-mounted.



ROUND POST ADAPTER

Adapter plate for round posts
Ø ≥ 1-3/8".



3019LA - For lock

Note: Latch post has to be square since SSKZ-QF keep does not fit on round posts.

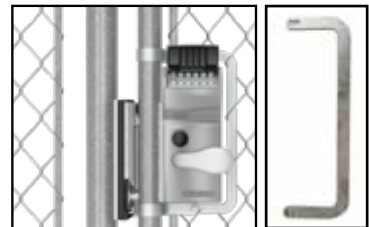
CHAINLINK ADAPTERS

Illustrations show chainlink application. Parts shown include lock, round post adapters and keep.



CLH

For standard lock chassis



CLH-CO

For Leonardo mechanical code lock

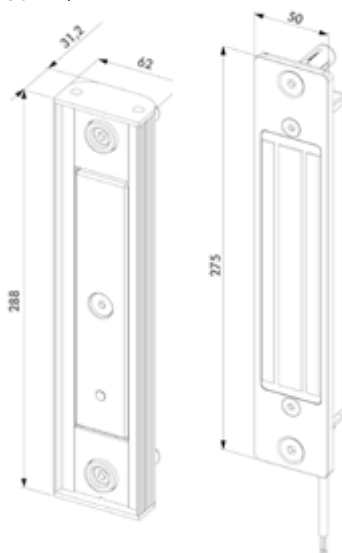
ALL DIMENSIONS ARE APPROXIMATE.



INTEGRATED MAGNET LOCK FOR SLIDING GATES

S-MAG is the perfect product to lock any type of sliding gate. It has a guaranteed 600 lbs of pulling force and resists extreme weather conditions. The armature plate offers flexible assembly which guarantees a normal closing even if the gate is not perfectly aligned. The rubber bumpers help protect and prevent damage to the gate and accessories in case of harsh handling and shaking of the gate.

- Guaranteed holding force tested on every magnetic lock
- 500h salt spray resistant! SGS Certified (ISO 9227)
- Special two-layer protective coating developed for outdoor use
- Anti-residual magnetism kick-off system
- Minimal pulling force: 2500N (600 lbs)
- Current: 460mA / 12V or 230mA / 24V



S-MAG-2500-ZILV - Silver

S-MAG-2500-9005 - Black

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 600 lbs. pulling force

SLIMSTONE ELECTRONIC KEYPAD

The SlimStone electronic keypad with integrated LED lighting, will work with any low voltage setup. The SlimStone is guaranteed to work in all weather conditions as it complies with IP68.



SLIMSTONE-9005 - Keypad in black

SLIMSTONE-ZILV - Keypad in silver



POWERBOX TRANSFORMER HOUSING

PB-1-ZILV - Silver

PB-1-9005 - Black

- Waterproof transformer box
- Powder coated aluminum housing
- Supplied with 2 gland nuts M20 and 2 stop plugs M16
- Designed with heat-dissipation fins at the back



SAFETY POWER SUPPLY 110 V

DC-POWER110-24V

This power safety supply will help run electric devices on your gate. It fits nicely into the Locinox powerbox.

Safety DC power supply with 110V input voltage and 24V / 25 W output.

- DIN Rail mount
- Power: 25W
- Primary voltage: 110V
- Secondary voltage: 24V DC (wire gauge 21 or thicker)
- Black powder coated aluminum housing
- Robust control module: sealed for superior humidity resistance in all climates



ALL DIMENSIONS ARE APPROXIMATE.



MAGMAG3000SL - Silver without Handle

MAGMAG3000BL - Black without Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 660 lbs. pulling force

MAGMAG5000SL - Silver without Handle

MAGMAG5000BL - Black without Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 1200 lbs. pulling force

MAG3000SL - Silver with Handle

MAG3000BL - Black with Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 660 lbs. pulling force

MAG5000SL - Silver with Handle

MAG5000BL - Black with Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 1200 lbs. pulling force



SAFETY POWER SUPPLY 110 V

DC-POWER110-24V

This power safety supply will help run electric devices on your gate. It fits nicely into the Locinox powerbox.

Safety DC power supply with 110V input voltage and 24V / 25 W output.



- DIN Rail mount
- Power: 25W
- Primary voltage: 110V
- Secondary voltage: 24V DC (wire gauge 21 or thicker)
- Black powder coated aluminum housing
- Robust control module: sealed for superior humidity resistance in all climates

ELECTRO MAGNETIC LOCK WITH OR WITHOUT HANDLE

Magnetic lock with or without handle. Available in 2 versions. MAG3000/MAGMAG3000 with 660 lb. and MAG5000/MAGMAG-5000 with 1200 lb. of pulling force. The aluminum powdercoated housing equipped with the unique Quick-Fix fixings ensures a fast and nicely finished mounting. Eliminate time-consuming welding; drilling 5 holes is enough to fix the lock. A two layer, protective coating guarantees that our electro-magnetic locks are ready for years of worry free use outside.

- High holding force! Up to 1200 lb/500 kg
- 500h salt spray resistant!
- Special two-layer protective coating developed for outdoor use
- SGS Certified
- Powdercoated aluminum casing
- Anti-residual magnetism kick-off system
- New anti-pry system: Raised edge on the magnet housing makes it impossible to put a crowbar between the magnet and the armature plate
- No-handle version
- Fast and easy fixing by means of 5 holes with Quick-Fix
- Same center-distance as the standard Locinox keeps
- MAG3000/MAGMAG3000: Minimal pulling force: 3000N (660 lbs)
- MAG5000/MAGMAG5000: Minimal pulling force: 5000N (1200 lbs)
- Voltage: 12V/24V DC
- Current MAG3000/MAGMAG3000: 500 mA / 12 V or 250 mA / 24 V
- Current MAG5000/MAGMAG5000: 460 mA / 12 V or 230 mA / 24 V

PULL HANDLE SET

3006PULL.BL - Black

3006PULL.SL - Silver



This aluminum powder coated handle set has an elegant design and could be used in combination with magnetic locks (e.g. if used top/bottom), or any gate that needs a sturdy and elegant pull handle independent of the latching mechanism.

SLIMSTONE ELECTRONIC KEYPAD

The SlimStone electronic keypad with integrated LED lighting, will work with any low voltage setup. The SlimStone is guaranteed to work in all weather conditions as it complies with IP68.



SLIMSTONE-9005 - Keypad in black

SLIMSTONE-ZILV - Keypad in silver

POWERBOX TRANSFORMER HOUSING

PB-1-ZILV - Silver

PB-1-9005 - Black

- Waterproof transformer box
- Powder coated aluminum housing
- Supplied with 2 gland nuts M20 and 2 stop plugs M16
- Designed with heat-dissipation fins at the back



ALL DIMENSIONS ARE APPROXIMATE.



FORTYLOCK MORTISE LOCK KITS FOR 2" AND 2½" FRAMES

Mortise lock with 100% stainless steel mechanism. The stainless steel adjustable self-latching bolt and hook combined with the right keep guarantee a strong and solid closed gate where the gate wings can not be pulled apart or forced open. The lock can be installed on metal, aluminum and PVC gates. Thanks to the patented "Click-It" system, installing the lock can be done in a matter of minutes.

- Lock mechanism with cover plate protects against dirt penetration
- Patented "Click-It" system makes thread tapping unnecessary
- Continuous adjustment of the daybolt up to 3/8" without dismounting the lockbox
- Key-operated self-latching bolt, allows Free Exit application
- Stainless steel mechanism, hook, front plate and latch bolt
- Easy left or right changing of the self-latching daybolt
- Throw of the hook: 13/16"
- Center-distance cylinder <=> handles = 3-5/8"



Watch video
for installation
instructions

KITS WITH STAINLESS STEEL HANDLES AND COVER PLATES

FORTYLOCK-SS-20

KIT FOR 2" FRAMES INCLUDES:

- Lock (FORTYLOCK)
- 2 Stainless Steel Cover Plates (3020-HYB-A2)
- Stainless Steel Handles (3006I-H)
- Cylinder (3012-60-STD-VSZ, keyed different)
- Keep (SFKB-QF)

FORTYLOCK-SS-25

KIT FOR 2-1/2" FRAMES INCLUDES:

- Lock (FORTYLOCK)
- 2 Stainless Steel Cover Plates (3020-HYB-A2)
- Stainless Steel Handles (3006I-H)
- Cylinder (3012-80-STD-VSZ, keyed different)
- Keep (SFKB-QF)



KITS WITH ALUMINUM HANDLES AND COVER PLATES

FORTYLOCK-AL-20

KIT FOR 2" FRAMES INCLUDES:

- Lock (FORTYLOCK)
- 2 Aluminum Cover Plates (3020-HYB-ALU)
- Aluminum Handles (3006M-H)
- Cylinder (3012-60-STD-VSZ, keyed different)
- Keep (SFKB-QF)

FORTYLOCK-AL-25

KIT FOR 2-1/2" FRAMES INCLUDES:

- Lock (FORTYLOCK)
- 2 Aluminum Cover Plates (3020-HYB-ALU)
- Aluminum Handles (3006M-H)
- Cylinder (3012-80-STD-VSZ, keyed different)
- Keep (SFKB-QF)



BUILT IN ELECTRIC KEEP FOR FORTYLOCK

INTRALECBL-E, FAIL CLOSE



Elegant and discreet electric keep which is built-in the post. Easy installation thanks to the patented Click-It system. Can be installed without a strike plate and a mechanical override is possible. Intralec is available in Fail Open (Ruptura) and Fail Close (Emissa) version.

- Fast and easy fixing with Click-it
- 660 lbs. holding force on the latch bolt
- Deep closure of 3-15/16" of the latch bolt
- Easy left or right hand changing
- Corrosion resistant: black anodized aluminum housing
- Available for profiles with 1-9/16 - 2" depth
- Voltage: 12V-24V AC/DC

ALL DIMENSIONS ARE APPROXIMATE.



MORTISE LOCK KITS WITH WELD BOX FOR 1½", 2" AND 2½" FRAMES

Mortise lock with 100% stainless steel mechanism. This model can be installed on steel and aluminum. The massive stainless steel hook and adjustable latch bolt makes this a one of a kind lock. The combination of the hook (dead bolt) with the SHKM keep provides a secure anchoring of your gate while preventing the gate from being pried open as the dead bolt's "hook" locks into the keep's anchoring plate. The latch gap required is keep dependent.

- Easy left or right changing of the self-latching daybolt
- Key-operated self-latching bolt, allows Free Exit application
- Adjustment of the latch bolt up to 3/4" continuous without removing the lock
- Stainless steel mechanism, hook, front plate and latch bolt
- Throw of the hook: 1-1/4"
- Center-distance cylinder <=> handles = 3-5/8"
- Hook in combination with the keep provides secure anchoring

HLB-15

KIT FOR 1-1/2" FRAMES INCLUDES:

- Lock (H-METAL-WB)
- 2 Stainless Steel Cover Plates (3020-HYB-A2)
- Stainless Steel Handles (3006I)
- Cylinder (3012-54-STD-VSZ, keyed different)
- Weld Box (HWLB)
- Keep (SF-KLALUMQF)

HLB-20

KIT FOR 2" FRAMES INCLUDES:

- Lock (H-METAL-WB)
- 2 Stainless Steel Cover Plates (3020-HYB-A2)
- Stainless Steel Handles (3006I-H)
- Cylinder (3012-60-STD-VSZ, keyed different)
- Weld Box (HWLB)
- Keep (SF-KLALUMQF)

HLB-25

KIT FOR 2-1/2" FRAMES INCLUDES:

- Lock (H-METAL-WB)
- 2 Stainless Steel Cover Plates (3020-HYB-A2)
- Stainless Steel Handles (3006I-H)
- Cylinder (3012-80-STD-VSZ, keyed different)
- Weld Box (HWLB)
- Keep (SF-KLALUMQF)



ELECTRIC STRIKE FOR MORTISE LOCKS

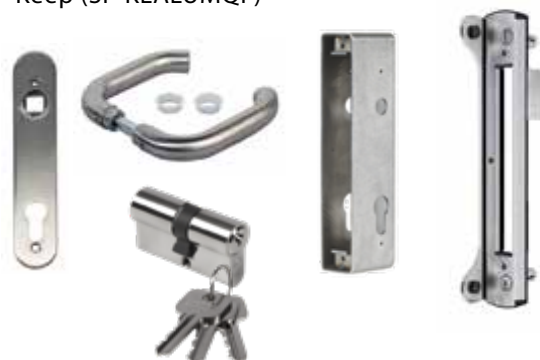
SEH-E - Electric strike, fail secure for insert locks

Latch gap 1"

SEH-R - Electric strike, fail open for insert locks

This electric strike is for swing gates using our Mortise locks. The strike is equipped with a double blocking system which supports 1000 lb (500Kg) pulling-force. This keep is extremely strong and the ideal solution for your access control installations. The electric strike is available in a Fail Secure or Fail Safe model.

- Extremely strong and user-friendly design
- Easy left or right hand changing
- For profiles 2" and larger
- Voltage: 12 V AC/DC
- Water resistant, weatherproof



ALL DIMENSIONS ARE APPROXIMATE.

MORTISE LOCK FOR WOODEN GATES

H-WOOD

Mortise lock with 100% stainless steel mechanism. This model is specially designed for wood gates. The adjustable latch bolt in combination with the stainless steel hook (dead bolt) provides extra security. The combination of the hook (dead bolt) with the SHKW keep provides a secure anchoring of your gate while preventing the gate from being pried open as the dead bolt's "hook" locks into the keep's anchoring plate. The latch gap required is keep dependent, but the SHKW Hybrid keep requires a 7/8" latch gap.

- Lock mechanism with cover plate protects against dirt penetration
- Easy left or right changing of the self-latching daybolt
- Key-operated self-latching bolt, allows Free Exit application
- Adjustment of the latch bolt up to 3/4" continuous without removing the lock
- Stainless steel mechanism, hook, front plate and latch bolt
- Stainless steel hook for night locking (dead bolt)
- Throw of the hook: 1-1/4"
- Center-distance cylinder <=> handles = 3-5/8"
- 2-3/8" backset handle
- Lock mechanism with cover plate protects against dirt penetration
- Compatible with all Europrofile cylinders
- Keep, Cover Shields, Handles and Cylinders to be ordered separately



HYBRID KEEP FOR WOOD

SHKW-ALUM

- Stainless steel keep for Hybrid locks
- With mounting screws for wood
- Supplied with stop plate if integrated stop is not provided
- For 1-1/2" to 2-1/2" gate profiles
- Anchoring plate for hook



COVER SHIELDS

Cover shield for handle & cylinder holes of Locinox mortise locks. Available in aluminum, stainless steel or polyamide for an finished appearance.



3020-HYB-STD
Polyamide, black



3020-HYB-ALU
Aluminum



3020-HYB-A2
Stainless Steel



HANDLE

Handle pair in stainless steel with square 4-3/4" (120mm) spindle for insert locks



3006I-H
Stainless Steel
Handle Pair

CYLINDERS

Europrofile cylinder with three keys. Available keyed alike or keyed different.

2-1/8" (54mm) cylinder

3012-54-STD-VSZ - keyed different

3012-54-STD-GSZ - keyed alike

2-3/8" (60mm) cylinder

3012-60-STD-VSZ - keyed different

3012-60-STD-GSZ - keyed alike

3-1/8" (80mm) cylinder

3012-80-STD-VSZ - keyed different

3012-80-STD-GSZ - keyed alike



ELECTRIC STRIKE FOR MORTISE LOCKS

SEH-E - Electric strike, fail secure for insert locks

SEH-R - Electric strike, fail open for insert locks

This electric strike is for swing gates using our Mortise locks. The strike is equipped with a double blocking system which supports 1000 lb (500Kg) pulling-force. This keep is extremely strong and the ideal solution for your access control installations. The electric strike is available in a Fail Secure or Fail Safe model.

- Extremely strong and user-friendly design
- Easy left or right hand changing
- For profiles 2" and larger
- Voltage: 12 V AC/DC
- Water resistant, weatherproof

Latch gap 1"



ALL DIMENSIONS ARE APPROXIMATE.

GATE STOPS AND STRIKES

STANDARD KEEP & STOP

SAKLQFAL - Aluminum
SAKLQFBL - Black

- Stainless steel keep with polyamide finishing
- Stop plate in extruded aluminum with rubber strip
- Easy left or right hand changing
- Quick-Fix mounting
- Adjustable for profiles: 1-1/2" to 2-1/2"
- For rectangular and round profiles



Must have minimum 1-1/4" gap.

ANTI-THEFT SHIELD

SHIELD-SA-ALUM - Aluminum
SHIELD-SA-9005 - Black

This plate protects the latch bolt and the dead bolt. It can be combined with the SAKL Keep and Modulec-SA.

- Vandal-proof protection plate
- Powder coated aluminum housing
- Serves as a pick plate - use for extra security
- Shield is available for gate frames of 1-1/2" to 2-1/2"



SURFACE MOUNTED ELECTRIC STRIKE

E=FAIL CLOSE R=FAIL OPEN

- Quick-Fix mounting
- 660 lbs. holding force on the latch bolt
- Latch Gap 1-1/4"
- Same drilling pattern as SA, SH and SM keeps
- Easy left or right hand changing
- Corrosion-resistant housing

SECURITY KEEP & STOP

SHKLQFAL - Aluminum
SHKLQFBL - Black

- Reinforced stainless steel security keep for round and square profiles
- Stainless steel anchoring system included
- Stainless steel adjustable strike plate with shock rubber for noise dampening
- Easy left or right hand changing
- Quick-Fix mounting
- Prevents opening the gate with a crowbar
- Adjustable for gate profiles: 1-1/2" to 2-1/2"
- Has mushroom knob for extra latching security



Must have minimum 1-1/4" gap.

ANTI-THEFT SHIELD

SHIELD-SH-ALUM - Aluminum
SHIELD-SH-9005 - Black

This plate protects the latch bolt and the dead bolt. It can be combined with the SHKL Keep and Modulec-SH.

- Vandal-proof protection plate
- Powder coated aluminum housing
- Serves as a pick plate - use for extra security
- Shield is available for gate frames of 1-1/2" to 2-1/2"



MODULEC-SA-AL-E
MODULEC-SA-BL-E
MODULEC-SA-BL-R

- Adjustable for profiles: 1-1/2" to 2-1/2"



MODULEC-SH-AL-E
MODULEC-SH-BL-E

- Has security mushroom for dead bolt
- Adjustable for profiles: 1-9/16" - 2-3/8"



ELECTRIC STRIKE FOR MORTISE LOCKS

SEH-E - Electric strike, fail close
SEH-R - Electric strike, fail open

This electric strike is for swing gates using mortise locks. The strike is equipped with a double blocking system which supports 1000 lbs (500Kg) pulling-force.

- For profiles 2" and larger
- Easy left or right hand changing
- Voltage: 12 V AC/DC
- Water resistant, weatherproof

Latch gap 1"



KEEP FOR NARROW GAPS

SF-KLALUMQF - Stainless Steel

- Minimum 3/8" / Maximum 13/16" gap
- Stainless steel keep for square profiles as of 1-9/16"
- Extruded stop plate in aluminium with rubber strip for longterm use
- Quick-Fix mounting
- Easy left or right hand changing
- Adjustable stop plate for 1-1/2" to 2-1/2" gate frames
- Adjustable guide to avoid damage of day bolt to post



INSERT KEEP FOR SQUARE PROFILES

SPKZQF-40-ALUM - Aluminum
SPKZQF-40-9005 - Black

- Latch gap is 1/4"
- Stainless steel strike plate with polyamide insert
- Quick-Fix mounting
- For gate profiles: 1-1/2" to 2"



ALL DIMENSIONS ARE APPROXIMATE.

HANDLES (SOLD PER PAIR)

3006C - Aluminum **3006M** - Aluminum **3006FA** - Zamac, Black **3006D** - Aluminum **3006I** - Stainless Steel **3006R** - Aluminum



KIDLOC - Aluminum & Polyamide

Childproof security knob.
At least one button must
be pressed while turning
the knob to open.



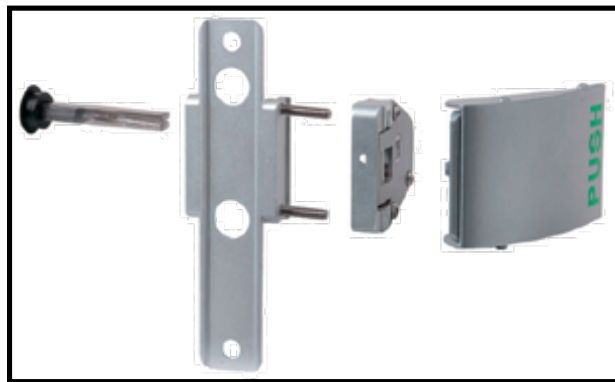
3006B - Aluminum,
Black Anodized



FREE EXIT OPTIONS

3006PUSH

The handle set fits the LAKQ U2 and LUKY locks and allows it to be used in the following applications: Safety Exit, Free Exit, Dead Latch, or Store Room Lock. The PUSH-set replaces the handle.



PUSHBAR-L - For max. 5ft. gates (55-1-1/8")

Push bar for easy opening of the gate by a simple push. The Push bar replaces the normal handle, operates the daybolt and can quickly be installed on a new or existing Locinox LUKY, LAKQ U2 or LFKQ chassis.



Shown using
LUKY Lock

INSTALLATION TOOLS

LOCITOOL

Tool for installing surface mounted gate locks. The Locitool has a 3 mm Allen key for the adjustment of the bolts and fixing of the handles. With the 6 mm Allen key you can fix all Locinox locks. The screwdriver can be used to change the cylinder, open the lock box or change the daybolt from right to left-turning.



DRILLFIX

Quickly and accurately install Locinox surface mounted locks and keeps. This jig is designed to self-center on square or round posts, and guarantees perfect alignment. This will allow you to easily drill the 4 hole pattern for the lock or the two holes necessary for the keep. The Drill-Fix comes in a sturdy case that includes all the necessary accessories to install Locinox locks and keeps.



MISCELLANEOUS

ROLLTOP-30 - For 1-1/4" profiles
ROLLTOP-40 - For 1-1/2" profiles
ROLLTOP-60 - For 2-3/8" profiles

Stainless steel "rollerbolt" for LMKQ/LFKQ code locks. The standard chamfered latch tip can be replaced with the rollerbolt to reduce latch resistance and allow the gate close and latch easier. The rollerbolt has a bolt adjustment hole for latch bolt length adjustment.



PENTOP-Q30 - For 1-1/4" profiles
PENTOP-Q40 - For 1-1/2" profiles
PENTOP-Q50 - For 2" profiles
PENTOP-Q60 - For 2-3/8" profiles

Stainless steel latching tip and deadbolt set for LAKQ, LAKY and LUKY locks.



QUICK-FIX

Stainless steel anchor bolt
Locinox anchor bolts for frames starting from 1-1/2" and wall thickness of 5/64" to 13/64"



DVK - Cable Guide

Stainless steel guiding cable to protect your electrical wires in an outside environment.



POWERBOX TRANSFORMER HOUSING

PB-1-ZILV - Silver
PB-1-9005 - Black

- Waterproof transformer box
- Powder coated aluminum housing
- Supplied with 2 gland nuts M20 and 2 stop plugs M16
- Designed with heat-dissipation fins at the back



ALL DIMENSIONS ARE APPROXIMATE.

ADA compliant

Self closing
max. gate
weight
330lbs



M180BL - Heavy Duty
Mammoth hinge
and closer in black

M180SL - Heavy Duty
Mammoth hinge
and closer in silver



Watch video
for installation
instructions

HYDRAULIC 180° GATE CLOSER AND HINGE IN ONE

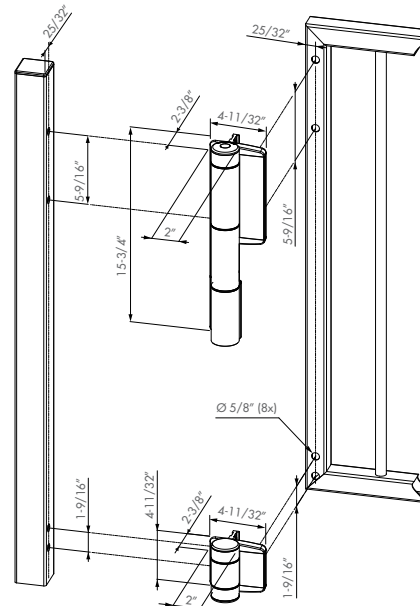
MAMMOTH 180

The Mammoth 180° is a hydraulic swing gate closer and bearing hinge. An elegantly designed self-closing hinge that opens smoothly and closes gates up to 330 lbs., regardless of the outside temperatures (patented system). The Mammoth 180° is ADA Compliant, with an opening force of 3.5 lbs. Closing speed and final closing action are individually adjustable to fit the needs of your application. The closing action can be adjusted from snap shut to smooth closing. Installation is fast and easy with the Quick-Fix mounting hardware. The Mammoth 180° ships with a Dino bottom hinge with integrated gate stop for a complete hinge closing system.

- **For gates weighing up to 330 lbs. and 5 ft. wide**
- 180° self-closing double bearing hinge with adjustable closing speed and final snap
- Robust yet stylish design with high quality components
- Weatherproof aluminum housing designed for exterior use
- Consistent closing speed thanks to patented hydraulic damping
- ADA compliant (< 5 lbs; max 16 Nm) from gate widths of 3ft. or more
- Vandal and tamper proof
- For left and right opening gates
- Fast and easy installation with Quick-Fix
- Installation gap 9/16 min up to 1-3/8" max (ornamental); 3/4" adjustability in height



CLB-MAMMOTH -
Mammoth Chain Link
Bracket



ADA compliant

Self closing
max. gate
weight
440lbs



MHD180BL - Ultra Heavy Duty
Mammoth hinge and
closer in black

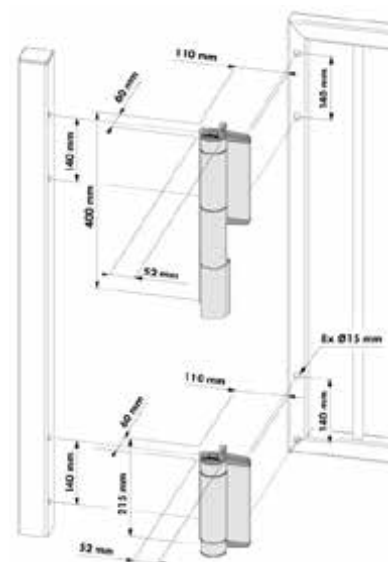
MHD180SL - Ultra Heavy Duty
Mammoth hinge and
closer in silver

ULTRA HEAVY DUTY HYDRAULIC 180° GATE CLOSER AND HINGE IN ONE

MAMMOTH-HD 180

This heavy-duty gate closer and hinge-in-one is fit to close the heaviest gates. The combination of the hydraulically damped Mammoth with the powerful self-closing Raptor hinge is the perfect solution for closing gates weighing up to 440 lbs and 6-1/2 ft. wide. Both hinges are equipped with double bearings for extremely smooth functioning. The Active Thermal System guarantees a constant closing speed, unaffected by weather conditions. The Raptor hinge is included.

- **For gates weighing up to 440 lbs. and 6-1/2 ft. wide**
- 180° self-closing double bearing hinge with adjustable closing speed and final snap
- Robust yet stylish design with high quality components
- Weatherproof aluminum housing designed for exterior use
- Consistent closing speed thanks to patented hydraulic damping
- ADA compliant (< 5 lbs; max 30 Nm) from gate widths of 4.4ft. or more
- Vandal and tamper proof
- For left and right handed gates
- Fast and easy installation with Quick-Fix



ALL DIMENSIONS ARE APPROXIMATE.



SAMSON 2

For gates 36" to 78" up to 330 lbs.

Self closing
max. gate
weight
330lbs



ADJUSTABLE GATE CLOSER

SAMSON

The next generation of gate closers. Even easier to install and smoother functioning. The final snap can easily be adjusted after installation by turning the corresponding adjustment screw. The Samson can be posed in almost every situation thanks to the various brackets delivered with the product. Due to the patented damping system, the operation of the gate closer is unaffected by temperature changes.

- Opening angle up to 150° depending on the situation
- Adjustable closing speed & closing pressure
- New : Continuously adjustable final snap for a perfect closing
- Specially developed for outdoor use: industrial quality
- Closing speed unaffected by temperature changes
- Fast and easy fixing: Quick-Fix
- For left and right turning gates
- Tested at 500,000 cycles
- Tested to -22° F



Watch video
for installation
instructions

CHAIN LINK ADAPTERS:

SB-4015

4" Post, 1-5/8" Gate Frame

SB-4020

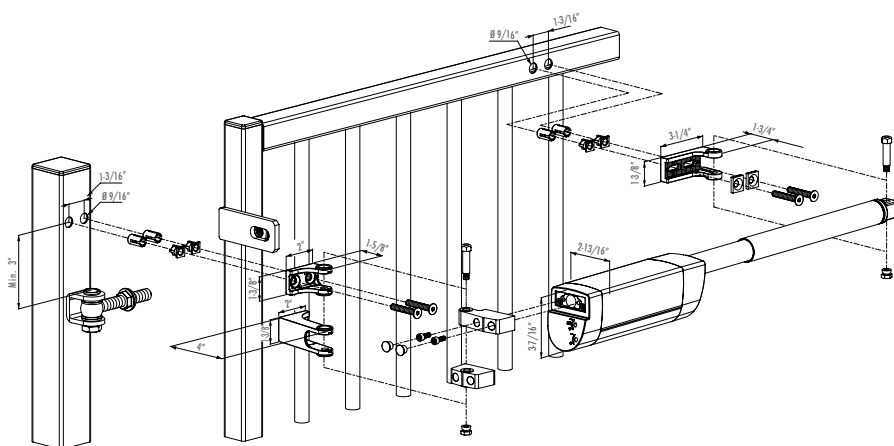
4" Post, 1-7/8" Gate Frame

SB-3015

3" Post, 1-5/8" Gate Frame

SB-3020

3" Post, 1-7/8" Gate Frame



ADA compliant



Self closing
max. gate
weight
165lbs

TIGER-9005

Tiger hinge/closer

in black

TIGER-ZILV

Tiger hinge/closer

in silver



COMPACT GATE HINGE/CLOSER

TIGER

Hydraulic, self-closing, double bearing hinge with an 180° opening angle that easily closes gates up to 165 lbs. Closing speed and final snap can be adjusted after installation. Fast and easy installation with Quick-Fix.

- 180° self-closing hinge with patented hydraulic damping
- Compact design with high quality components
- Weatherproof aluminum housing designed for exterior use
- Patented hydraulic damping - consistent closing speed, regardless of temperature
- For left and right turning gates
- Fast and easy fixation with Quick-Fix bolts
- Installation gap 7/16" up to 1" (5/8" adjustability)
- 3/4" vertical adjustability
- ADA compliant (< 5 lbs; max 16 Nm) from gate widths of 3ft. or more



Watch video
for installation
instructions

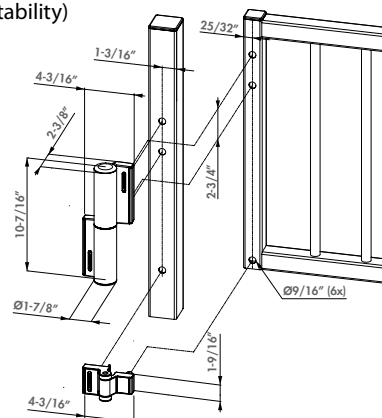
PUMA hinge included

CHAIN LINK ADAPTER:

CLB-TIGER

1-7/8" to 4" Post

1-3/8" to 1-5/8" Gate Frame



ALL DIMENSIONS ARE APPROXIMATE.

ADA compliant



VTC-2-ZILV
Verticlose-2 in silver

VTC-2-9005
Verticlose-2 in black

**Self closing
max. gate
weight
330lbs**

ADJUSTABLE HYDRAULIC GATE CLOSER FOR 90° AND 180° HINGES

VERTICLOSE-2

The Verticlose-2 gate closer is multifunctional and possesses excellent features, which makes Verticlose-2 a perfect fit for both 90° and 180° hinge situations and works for gates 4ft wide x 330lbs. The integrated pre-tension and continuous adjustability of speed and final snap, combined with our Quick-fix mounting system, guarantee a quick and efficient installation. The aesthetic powder coated aluminum gate closer with high-tech internal components ensures a long life span.

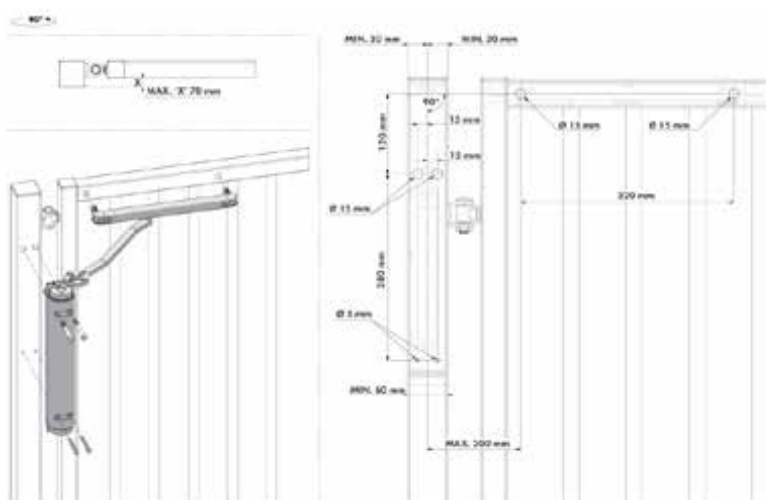
- For gates up to 4' wide and 330lbs
 - Micro adjustment of speed and final snap
 - Railset included for 90° and 180° situations
 - Aesthetic & compact design
 - Powder coated aluminum housing, perfectly suited for outdoor use
 - Integrated pretension for extra smooth installation
 - Closing force over the full 180° opening angle
 - Firmly fixed thanks to patented Quick-Fix system
 - ADA compliant (< 5 lbs; max 25 Nm) from gate widths of 4ft. or more
-
- Watch video
for installation
instructions



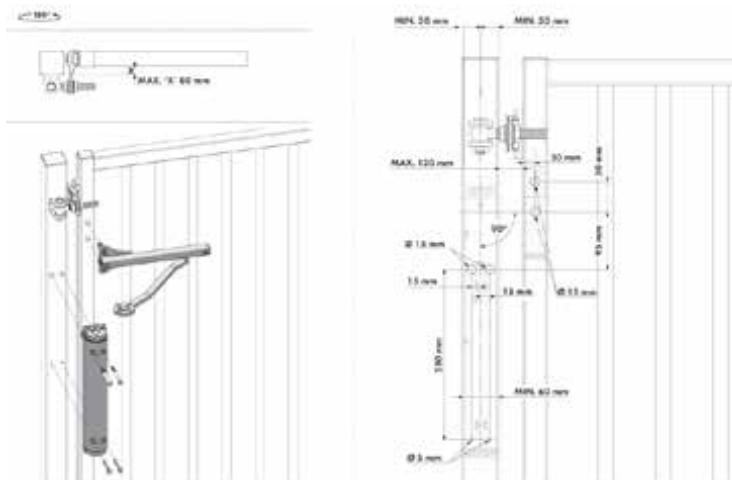
Watch video
for installation
instructions



For 90° Hinges



For 180° Hinges



ALL DIMENSIONS ARE APPROXIMATE.

ADA compliant



Self closing
max. gate
weight
330lbs

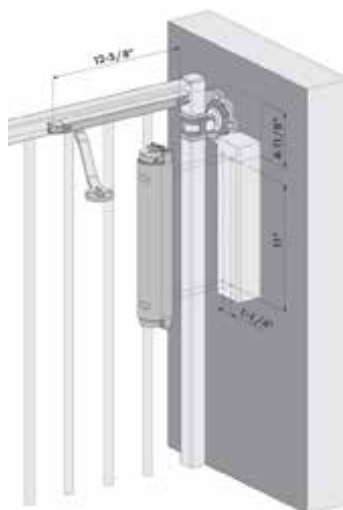
VTC-2-WALL-ZILV
Verticlose-2-WALL
in silver

HYDRAULIC GATE CLOSER FOR WALL MOUNTING

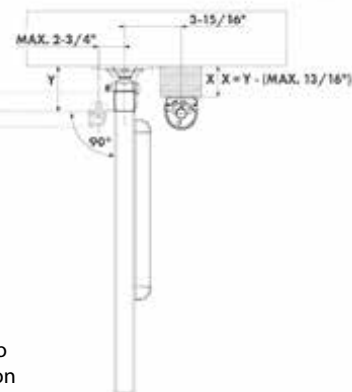
VERTICLOSE-2-WALL

The Verticlose-2 Wall gate closer has been specifically designed for wall mounting where the gate closer itself is positioned at a 90° position in relation to the gate. The specially designed arm turns around the wall or post, ensuring a large opening angle. The aesthetic powder coated housing and high-end components make sure that the Verticlose-2-Wall is perfectly weatherproof.

- For gates up to 4' wide and 330lbs
- Self-closing gate closer with adjustable speed and final snap
- Specially designed arm for wall mounting while guaranteeing a big opening angle
- Aesthetic & compact design
- Powder coated aluminum housing
- Integrated pretension for extra smooth installation
- Closing force over the full 180° opening angle
- Pull to close configuration
- Firmly fixed thanks to patented Quick-Fix system
- ADA compliant (< 5 lbs; max 25 Nm) from gate widths of 4ft. or more



Wall situation



Watch video
for installation
instructions

ADA compliant



LION-ZILV
LION in silver



LION-9005
LION in black

Self closing
max. gate
weight
165lbs

COMPACT HYDRAULIC GATE CLOSER

LION

The Lion gate closer has an aesthetic look, compact design and guarantees a secure closure over the full 180°. Lion closes comfortably thanks to the extremely accurate adjustment of speed and latching action. Combined with the patented temperature compensation system, a constant closing speed from -22°F up to 160°F is guaranteed.

- Suitable for 90° and 180° gates
- For gates up to 165 lbs (max 4ft. wide)
- Fast and easy fixing: Quick-Fix
- Easy left or right mounting
- Adjustable closing speed and final snap
- Extremely corrosion-resistant: aluminium powder-coated housing
- Tested from -22°F up to 160°F



Watch video
for installation
instructions



3018LION

Aluminum adapter plate for round frames

- Black anodized
- For Lion 180° version, for gate frames starting from 1-5/8"
- For both 90° and 180° mounting situations

ALL DIMENSIONS ARE APPROXIMATE.



Self closing
max. gate
weight
50-250lbs

TB SERIES 200 / 400 / 600 GATE CLOSERS

Lockey Hydraulic Gate Closers TB200/400/600, also known as a Pedestrian Gate Closer, does not slam gates shut. It firmly and quietly pushes gates closed, making it ideal for use with magnetic locks and other latching devices. The closing speed is pre-set to provide a controlled close of 8 seconds or more, depending upon the weight of the gate and quality of hinges. With this closer there is no risk of maladjustment or tampering with the speed adjustment after it is fitted.

Each gate closer includes instructions, mounting brackets and fitting bar. As with most gate closers, it is advisable to install a mechanical stop to restrict the gate opening angle** to avoid damage to the closer. (NON FIRE RATED)

- Easy to install
- Installs on side, top, middle or bottom of right or left hand gates
- Mounts on opening side of gate, pushing the gate closed
- Maximum opening angle of 110 degrees** (LockeyUSA® recommends use of a mechanical stop to restrict opening angle)
- Closers available in black and stainless steel finishes

TB200BL - Light Duty Closer
in Black

TB200SS - Light Duty Closer in
Stainless Steel

TB400BL - Medium Duty Closer
in Black

TB400SS - Medium Duty Closer
in Stainless Steel

TB600BL - Heavy Duty Closer
in Black

TB600SS - Heavy Duty Closer
in Stainless Steel

Technical Overview

	TB200 (Light Duty)	TB400 (Medium Duty)	TB600 (Heavy Duty)
Max. Gate Weight	50-125 lbs.	75-175 lbs.	150-250 lbs.
Max. Gate Width	36-52 in.	40-64 in.	44-72 in.
Max. Opening Angle	110 degrees**	110 degrees**	110 degrees**
Type of Gate Material	Vinyl, Steel, Wood	Vinyl, Steel, Wood	Vinyl, Steel, Wood
Closing/Latch Method	Hydraulic/Nitrogen Gas	Hydraulic/Nitrogen Gas	Hydraulic/Nitrogen Gas
Material	Steel/Stainless Steel	Steel/Stainless Steel	Steel/Stainless Steel
Color	Black or Stainless Steel	Black or Stainless Steel	Black or Stainless Steel
Hinge Arrangements	In-line or Offset	In-line or Offset	In-line or Offset
Opening Pressure	Approx. 3-7 lbs.	Approx. 6-12 lbs.	Approx. 8-18 lbs.

CHAINLINK MOUNTING KIT COMPATIBLE WITH TB200/400/600

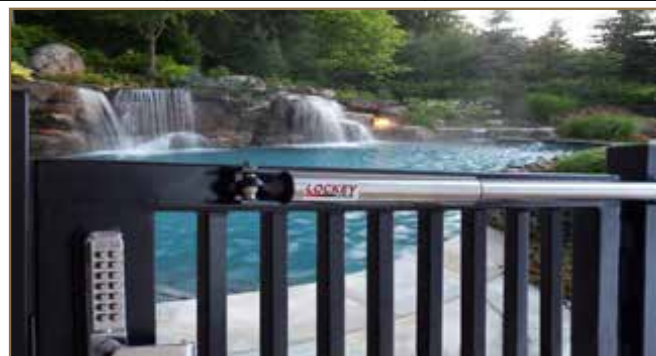


TB-LINX - Steel

- Works on Fence Posts 2" - 2-7/8"

Includes

- One Post Bracket
- One U-Bolt
- Two Machine Screws
- Four Lock Nuts



SPRINGS FOR WOOD GATES



- **Safe & easy installation** – No special tools required
- **Long life** – Tested to over 1 million cycles
- **Safety** – Tension adjustable to ensure gate closes long after installation
- **Easy to adjust** – Springs include stickers to assist consumer in adjusting tension

11" Spring 14" Spring

410001

410002

ALL DIMENSIONS ARE APPROXIMATE.

NATIONWIDE INDUSTRIES

SHOTGUN GATE CLOSER

for gates weighing up to 250 lbs.



SHOTGUN-BK
Black Closer

SHOTGUN-SC
Satin Chrome Closer

FEATURES:

- Pneumatic Design - No oil leaks
- Double Barrel Closing Power
- Adjustable Closing Speed
- Maximum Opening of 90°
- Anti-slam Technology
- Replaceable pneumatic "Shotgun" barrels for extended lifetime performance and easy maintenance

Self closing
max. gate
weight
250lbs

Gate stop is required to prevent gate from opening more than 90°.



Self closing
max. gate
weight
50-250lbs

TB SERIES 250+ / 450+ / 650+ ADJUSTABLE GATE CLOSERS

Lockey Hydraulic Gate Closers TB250+/450+/650+ does not slam gates shut. It firmly and quietly pushes gates closed, making it ideal for use with magnetic locks and other latching devices. Adjustable Hydraulic (Nitrogen Gas) closing speed.

Each gate closer includes instructions, mounting brackets and fitting bar. As with most gate closers, it is advisable to install a mechanical stop to restrict the gate opening angle** to avoid damage to the closer. (NON FIRE RATED)

- Easy to install
- Installs on side, top, middle or bottom of right or left hand gates
- Mounts on opening side of gate, pushing the gate closed
- Maximum opening angle of 110 degrees** (LockeyUSA® recommends use of a mechanical stop to restrict opening angle)
- Closers available in black, gray, and white

TB250B - Light Duty Adjustable Closer in Black

TB250G - Light Duty Adjustable Closer in Gray

TB250W - Light Duty Adjustable Closer in White

TB450B - Medium Duty Adjustable Closer in Black

TB450G - Medium Duty Adjustable Closer in Gray

TB450W - Medium Duty Adjustable Closer in White

TB650B - Heavy Duty Adjustable Closer in Black

TB650G - Heavy Duty Adjustable Closer in Gray

TB650W - Heavy Duty Adjustable Closer in White

Technical Overview

	TB250+ (Light Duty)	TB450+ (Medium Duty)	TB650+ (Heavy Duty)
Max. Gate Weight	50-125 lbs.	75-175 lbs.	150-250 lbs.
Max. Gate Width	36-52 in.	40-64 in.	44-72 in.
Max. Opening Angle	110 degrees**	110 degrees**	110 degrees**
Type of Gate Material	Vinyl, Steel, Wood	Vinyl, Steel, Wood	Vinyl, Steel, Wood
Closing/Latch Method	Hydraulic/Nitrogen Gas	Hydraulic/Nitrogen Gas	Hydraulic/Nitrogen Gas
Material	Steel	Steel	Steel/Stainless Steel
Color	Black or Stainless Steel	Black or Stainless Steel	Black or Stainless Steel
Hinge Arrangements	In-line or Offset	In-line or Offset	In-line or Offset
Opening Pressure	Approx. 3-7 lbs.	Approx. 6-12 lbs.	Approx. 8-18 lbs.

CHAINLINK MOUNTING KIT COMPATIBLE WITH TB250+/450+/650+



TB-LINX - Steel

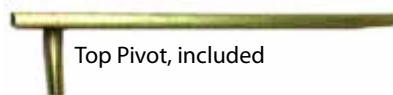
- Works on Fence Posts 2" - 2-7/8"

Includes

- One Post Bracket
- One U-Bolt
- Two Machine Screws
- Four Lock Nuts



Self closing
max. gate
weight
240lbs



Top Pivot, included

TB950 - Heavy Duty Hydraulic Hinge Gate Closer

HYDRAULIC HEAVY DUTY GATE HINGE & CLOSER

- Self-closing
- Closer acts like a hinge, includes pivot bracket for opposite end of gate
- Closing and latching
- Can be mounted on either top or bottom of the gate
- 2-way operation (swing-in / swing-out) for right or left-handed gates
- Maximum opening angle of 90 degrees (without optional adapter)
- Zinc plated for long life, paintable



Technical Overview

Max. Gate Weight	240 lbs.
Max. Gate Width	48 in.
Max. Opening Angle	90 degrees (without adapter plate)
Type of Gate Material	Vinyl, Steel, Wood, Aluminum
Material	Steel
Color	Zinc Gold
Finish	Zinc Coated

CHAINLINK MOUNTING KIT



- Works on Fence Posts 2" - 2-7/8"

Includes

- Two (2) Post Brackets
- Two (2) U-Bolts
- Two (2) Weldable Plates
- Four (4) Lock Nuts

TB-950-LINX - Steel

ALL DIMENSIONS ARE APPROXIMATE.



PB1100AL - Panic Bar in Satin Aluminum

PB1100 TOUCH BAR RIM PANIC EXIT DEVICE FOR 36" DOOR

Lockey PB1100 touch bar stile exit device is suitable for all doors (aluminum, hollow metal and wood) where there is no projection on the face. Can be used on narrow, medium and wide stile aluminum doors. A rim cylinder is not included and the PB1100 can be used in conjunction with any of the panic trims listed below.

- ANSI/BHMA A156.3 series grade 1 certified
- Complies with ANSI A117.a ADA requirements
- UL/cUL Listed
- Narrow stile 2-1/2" - door thickness: 1-3/4" (standard)
- Device length: 33" (36" doors)
- Field-sizable
- Latch bolt: stainless steel powder metallurgy with 11/16" throw
- Deadlocking latch: stainless steel powder metallurgy with 9/16" throw
- Weather resistant
- Aluminum finish

TOUCH BAR RIM PANIC EXIT DEVICE TRIM KEYED ENTRY LEVER



PB-LHED - Aluminum

- Lever style handle
- Satin chrome finish on all
- ADA compliant

TOUCH BAR RIM PANIC EXIT DEVICE TRIM NIGHT LATCH HANDLESET



- Pull style handle
- Satin chrome finish on all
- ADA compliant

PB-NLED - Aluminum



V-40 - Panic Bar in Aluminum with Black

V-40-EB - Panic Bar with Alarm in Aluminum with Black

V-40-EB-W - Weatherproof Panic Bar with Alarm in Aluminum with Black

DETEX PANIC EXIT DEVICE STANDARD DOOR STILE 36"

The V40 Series rim exit device is a secure and durable panic exit hardware at an economical price. It is designed for use on all types of single and double doors with mullions. The patented mounting plate and strike locator system ensures the easiest and most accurate installation of panic hardware available.

Features:

- Patented mounting plate and strike locator
- Covers a 161 door prep
- Stainless steel, 3/4" deadlocking Pullman-type latch bolt
- Non-handed
- Field sizeable
- 1/8 turn hex key dogging
- Heavy-duty angled end cap
- High impact ABS and anodized surfaces
- Withstands over 1400 lbs. of static pull force for greater security
- Modular design accepts a variety of outside trims and functions
- Keyless Locks available

Technical Information:

- For all door types—wood, hollow metal, fiberglass or aluminum
- Door thickness fits standard 1-3/4" 2-1/4"
- Standard door stile fits 3" or greater stile doors with 99 surface strike (Std.) 2-1/2" minimum width needed for installation
- Machine and self-drilling screws (Std.)
- Mortise cylinder NOT included
- Standard Yale Type Cam Required

DETEX TRIMS



Trims are zinc castings

V-08BN-689 - Passage Lever (Entrance by lever. Key locks or unlocks lever and can be left unlocked.)

V-09BN-689 - Janitor Lever (Entrance by lever only when released by key. Key removable only when locked. No option to keep unlocked)

ALL DIMENSIONS ARE APPROXIMATE.

SAFETY KIT PANIC BAR AND PANIC SHIELD

Kit Includes:

- 1 each Lockey PB1100 33" panic bar
- 1 each adjustable panic shield 24" - 54"
- 1 each strike bracket
- 1 each keyed cylinder
- 1 each key box
- Available in black or silver



Note, the Strike Bracket and Key Box color will match the panic shield

PS51B - Shield Safety Kit in Black

PS51S - Shield Safety Kit in Silver

SECURITY KIT PANIC BAR AND PANIC SHIELD

Kit Includes:

- 1 each Lockey PB1100 33" panic bar
- 1 each adjustable panic shield 24" - 54"
- 1 each strike bracket
- 1 each LS285P keyless lock
- 1 each PSGB200 trim box for keyless lock
- 1 each MAX-Guard cover plate
- Available in black or silver



Note, the Strike Bracket and Key Box color will match the panic shield

PS61B - Shield Security Kit in Black

PS61S - Shield Security Kit in Silver

ALARM SAFETY KIT PANIC BAR AND PANIC SHIELD

Kit Includes:

- 1 each Detex V-40-EB panic bar with alarm
- 1 each adjustable panic shield 24" - 54"
- 1 each strike bracket
- 1 each keyed cylinder
- 1 each key box
- Available in black or silver



Note, the Strike Bracket and Key Box color will match the panic shield

PS53B - Detex Alarm Panic Safety Kit in Black

PS53S - Detex Alarm Panic Safety Kit in Silver

ALARM SECURITY KIT PANIC BAR AND PANIC SHIELD

Kit Includes:

- 1 each Detex V-40-EB panic bar with alarm
- 1 each adjustable panic shield 24" - 54"
- 1 each strike bracket-R
- 1 each LS285P keyless lock
- 1 each PSGB200 trim box For keyless lock
- 1 each MAX-Guard cover plate
- Available in black or silver



Note, the Strike Bracket and Key Box color will match the panic shield

PS63B - Detex Alarm Panic Security Kit in Black

PS63S - Detex Alarm Panic Security Kit in Silver



ALL DIMENSIONS ARE APPROXIMATE.



LOKKBolt®

**Premium, Lockable
Security Drop-Bolt**

PRODUCT FEATURES

- 316 marine-grade stainless steel drop-rod
- Tough, engineered polymer mounting system
- 6-pin lock (rekeyable to match doors & gate locks)
- Retention grooves in drop-rod prevent bolt from dropping and dragging
- Bolt lengths: 18" & 24" (450 & 610mm)
- Models for vinyl & wood have added fixing points
- Optional Base Plate retains bolt into ground



CODE	COLOR	GATE MATERIAL	BOLT LENGTH
LB118BX	Black,	Metal Gates	18" (450mm)
LB124BX	Black	Metal Gates	24" (610mm)
LB218BX	Black	Vinyl & Wood Gates	18" (450mm)
LB224BX	Black	Vinyl & Wood Gates	24" (610mm)
LBBPGB	Black	Optional Base Plate	-



Q-Bolt™

**Economical,
Padlockable Drop-Bolt**

PRODUCT FEATURES

- Electro-polished stainless steel
- Powdercoated: corrosion resistant
- Padlockable; with padlock storage feature
- Tough, molded polymer mounting system
- Retention tabs prevent bolt from dropping & dragging on driveways
- Mounting systems for metal, wood and vinyl
- Bolt lengths: 24" & 40" (610 & 1020mm)
- Optional Base Plate retains bolt into ground



CODE	COLOR	GATE MATERIAL	BOLT LENGTH
QB124	Black	Metal Gates	24" (610mm)
QB224	Black	Vinyl & Wood Gates	24" (610mm)
QB140	Black	Metal Gates	40" (1020mm)
QB240	Black	Vinyl & Wood Gates	40" (1020mm)
LBBPGB	Black	Optional Base Plate	-

DROP BAR HOLDER

fits all sizes of drop bar



2-1/2" wide

90/19

DROP BAR GUIDE

for 1/2" Ø



90/21

DROP BAR GUIDE

for 5/8" Ø



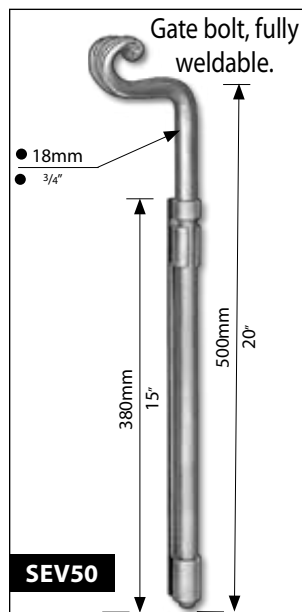
90/22

DROP BAR GUIDE

for 3/4" Ø



90/23



FORGED DROP BARS

All approx. 24" long



90/4

1/2" Ø

90/3

5/8" Ø

90/2

3/4" Ø

**ILLUSTRATION
SHOWING DROP
BAR, DROP BAR
HOLDER AND DROP
BAR GUIDES.**

Drawing C showing:

90/4

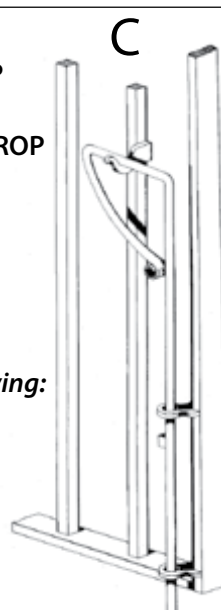
Drop Bar

90/19

Drop bar holder

90/21

Drop bar guide



DROP BOLT FOR WOOD GATES

- **Keeper**
Retains bolt in up position

- **Reliability**
Bolts won't drag across driveway

- **Superior design
& finish quality**

24" Drop Bolt
410003

40" Drop Bolt
410004



ALL DIMENSIONS ARE APPROXIMATE.



KEY LOCKABLE DROP BOLT

KEYDROP.BL - Black

KEYDROP.SL - Silver

It is surface mounted for easy access and installation and can be keyed to match the gate lock on the facing leaf. The KEYDROP enables you to lock the dropbolt in open or closed position. It is installed with our quickfix mounting hardware and is interchangeable with our standard VSF dropbolts.

- Throw: 5-1/2"
- Lockable dropbolt with cylinder
- Same drilling pattern as VSF
- Possible to match same key as any Locinox gate lock
- Height adjustability of the dropbolt: 4"
- Height adjustability in 3 positions
- The gate can be locked in open or closed position
- For gate profiles 1-1/2" sq or larger

Round adapter available

Part #: KD5121



SURFACE MOUNTED DROP BOLT

VSFQFBL - Galvanized with black housing

VSFQFAL - Galvanized with aluminum housing

Standard self locking dropbolts with the innovative quick-fix mounting hardware. The dropbolt is auto-locked between the double gates so no key is required. This model has an aluminum housing and is available with galvanized steel drop rod.

- Type VSF: hot dip galvanized bolt
- For square profiles 1-1/2" or larger
- Height adjustability of the dropbolt: 4"
- Throw: 5-1/2"
- Self Locking between the leaves
- Fast and easy installation: Quick-fix
- Easy retrofitting

ELECTRIC DROP BOLT

ELECTRADROP-BLK - Black

ELECTRADROP-ZIL - Silver



Electrical 24V drop bolt with 4-1/2" throw for safe locking of automated swing gates.

- Vandal proof, powder coated aluminum housing
- To be connected to the warning light on automated gates (min 3 sec prewarning signal) or directly on the gate automation
- Automatic detection and memorisation of the continuous or pulse signal
- Mechanical release possible (by key) in case of emergency
- Fitted with relay for drop bolt detection
- Obstacle detection with automatic stop of the drop bolt in case of a pressure exceeding 40 lbs
- Throw: 4-1/2"
- Drop bolt diameter: 25/32"
- For gate profiles: 1-1/2" or more
- Consumption: 25 W / Standby: 0,2 W
- 16-1/2 ft cable included
- Included: 3012-37-STD-VSZ cylinder
- To connect to a Locinox DC-POWER-110V-24V power supply

ECONOMIC GROUND CATCH FOR DROP BOLT

EGS

Economic ground catch/dropbolt receiver for dropbolts with maximum bolt of 3/4". Easy to clean with garden hose.

- Simple and economic In-ground catch designed to put in concrete
- Without stop plate
- Hot dip galvanized base-plate with polypropylene recipient
- With water drain hole
- For dropbolts with a maximum bolt diameter of 3/4"



OFF-CENTERED GROUND STOP

OGS

Strong groundstop for double gates.

Recommended in combination with the external dropbolts VSF and Keydrop. The OGS has a removable tray for easy and fast cleaning of the ground catch.

- Glass fiber reinforced polyethylene
- Suitable for surface mounted dropbolts (VSF)
- Adjustable stop plate for 1-1/2" to 2-1/2" gate frames
- Removable polyamide cleaning recipient
- With water drain hose



ALL DIMENSIONS ARE APPROXIMATE.

SLIMSTONE ELECTRONIC KEYPAD



SLIMSTONE-9005 - Keypad in black
SLIMSTONE-ZILV - Keypad in silver



The SlimStone electronic keypad with integrated LED lighting, will work with any low voltage setup. The SlimStone is guaranteed to work in all weather conditions as it complies with IP68.

The integrated relay, with a normally used open and closed contact, makes the combination with Locinox products and other automation products very easy.

- Stainless steel front plate and keys
- Aluminium housing resistant to vandalism with structured free from scratches lacquer
- Led lighting under keys
- Easy programming of up to 100 codes
- Remote disconnection through relay contact
- Push buttons tested with over 1,000,000 pushes
- Tested from -22 up to +185° Fahrenheit
- Including Quick-Fix and fixing for wood and stone

ROLLERS

RR3 - 3" Roller
RR6 - 6" Roller
RR12 - 12" Roller

These rubber rollers are 2-3/8" dia.



NR3 - 3" Roller
NR6 - 6" Roller

These non marring rubber rollers are 2-1/4" dia.



253-40 - 10" Nylon Side Roller

- 1 1/4" dia.
- 2" clearance
- Use 2 per gate min.



GATE STOPS

202 - Galvanized

- Runaway stop
- Mounted via screws
- 4-3/4" high



202F-A - Galvanized

Damped runaway stop. Mounted via screws.



GATESTOP

Aluminum gatestop with anchor bolt.

Height adjustable from 2-1/2" to 5-1/2"



ALL DIMENSIONS ARE APPROXIMATE.

DIGITAL KEYPAD



P121024

A wireless digital keypad with 10 channels that can store 100 4-7 digit entry codes. A built in sensor detects low lighting conditions and activates the keypads built-in backlight.

- 10 channels
- 100 combinations
- Backlit

LED LIGHTING FOR GATES

TRICONE-9005 - black

TRICONE-ZILV - silver

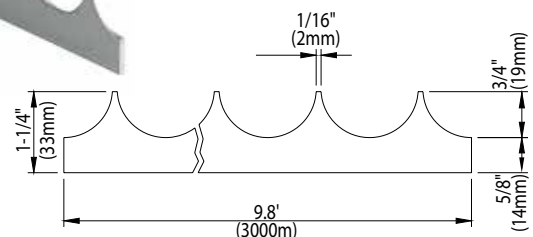


This LED light can be used on gates and fences to light up a keypad or keyed lock for safety.

- Aluminum housing with plastic (POM) cable guiding
- 3 white High-flux LED lights
- $\pm 140^\circ$ beam angle
- 50,000 hours of life expectancy
- 300 lux (illuminance)
- Power: 1W (with 12V DC)
- Fast and easy installation with Quick Fix
- Add up to 15 Tricones on one transformer 12V DC

ANTI-THEFT RACK, STEEL

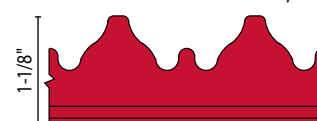
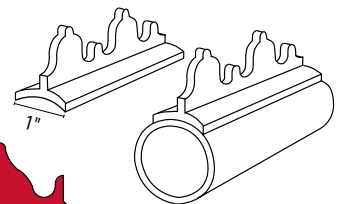
265-10FT - Sold in 10FT lengths



LOAFER RAIL, GALVANIZED STEEL

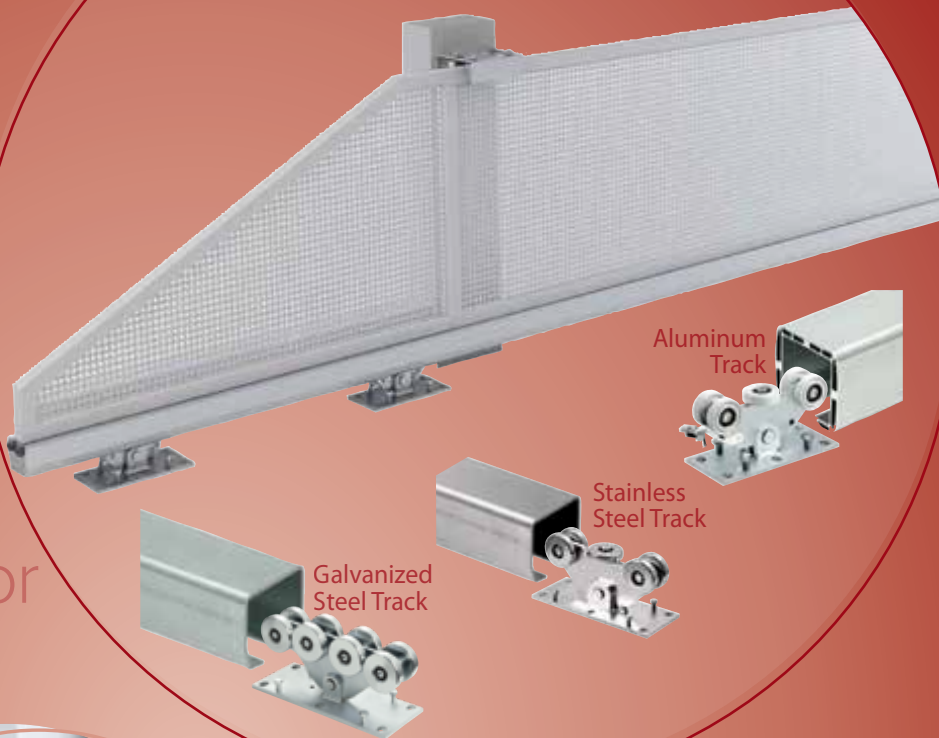
4445

Sold in 20FT lengths



SLIDING GATE SYSTEMS

DURAGATES[®]
CANTILEVER GATES, EVOLVED



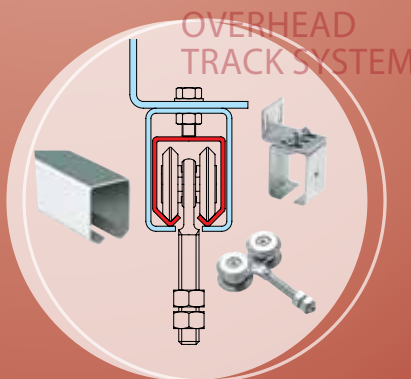
Integrator



Ranger



GROUND TRACK
ROLLING GATE
SYSTEM



OVERHEAD
TRACK SYSTEM

- 414-417** DuraGates Cantilever Gate Hardware
- 418** DuraGates Typical Gates
- 419** DuraGates Configuration/Quote Form
- 420** DuraGates FAQs
- 421** Why Choose DuraGates
- 422-423** Cantilever Sliding Gate Projects
- 424-429** The Integrator-Internal Gear-Rack Drive System
- 430-435** V-Groove Rolling Gate System
- 436** Gate Rollers
- 437** Overhead Track System
- 438-446** Ranger-Telescoping Gate System

T: 908.757.2323
F: 908.757.3439

DURAGATES[®]
CANTILEVER GATES, EVOLVED
INFO@DURAGATES.COM
DURAGATES.COM

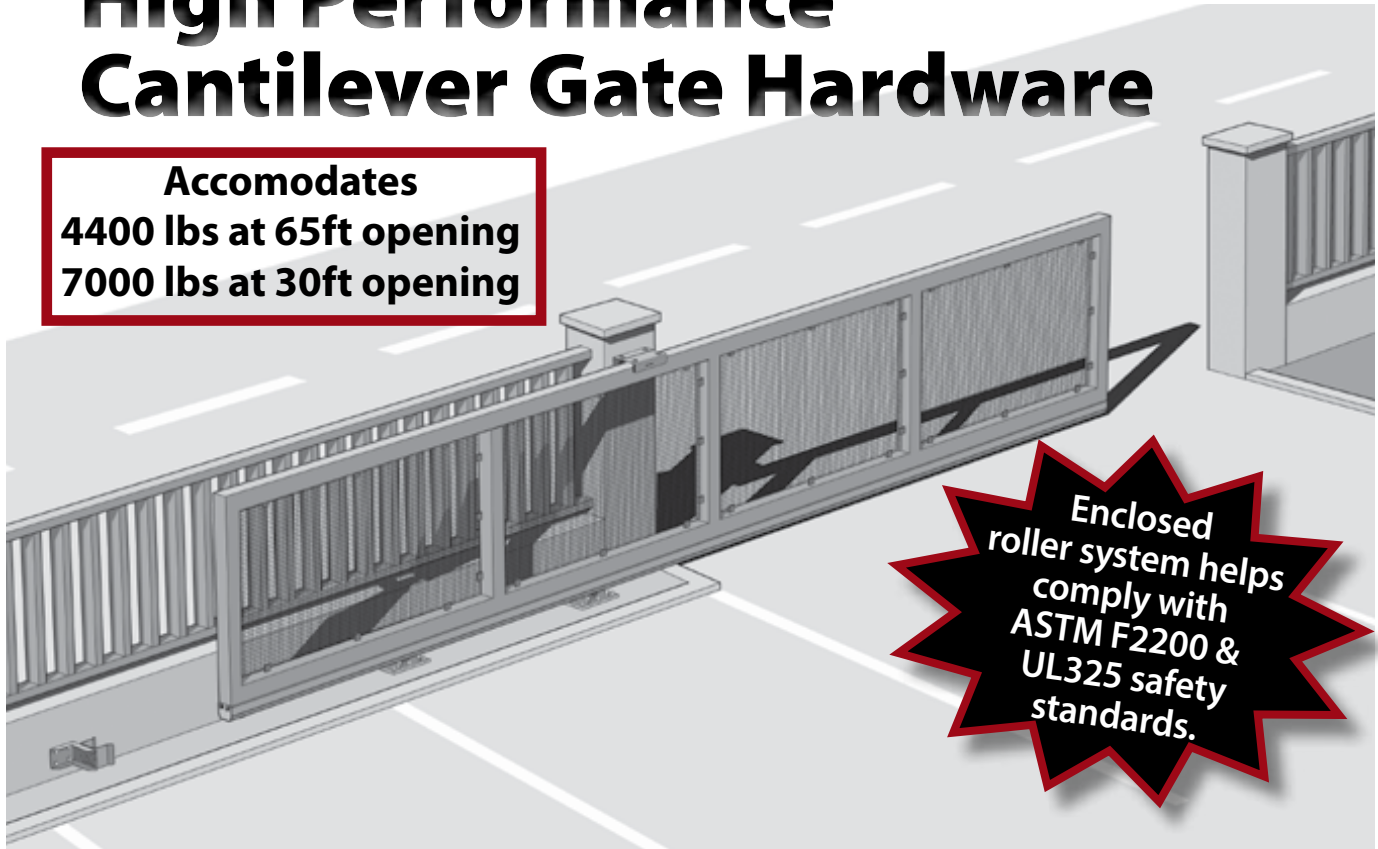
**LOCKS
GATES**

SALES@LOCKS4GATES.COM
LOCKS4GATES.COM

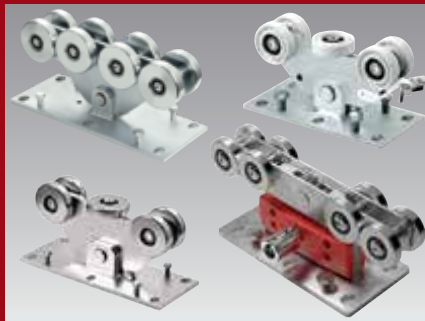


High Performance Cantilever Gate Hardware

Accommodates
4400 lbs at 65ft opening
7000 lbs at 30ft opening



Enclosed
roller system helps
comply with
ASTM F2200 &
UL325 safety
standards.



Manufactured by

COMUNELLO
LIFE MADE EASY



Scan code
to watch
video

The  **COMUNELLO** Cantilever gate hardware offers a professional solution that satisfies your requirements for installing a cantilever gate, even with complicated applications or large dimensions. It is the perfect choice, with its complete line of accessories and a product configurator to calculate the correct dimensions for the gate. The bottom track covered carriages avoids many of the maintenance problems with traditional sliding gates. Moreover, the hardware can be used on any gate material.

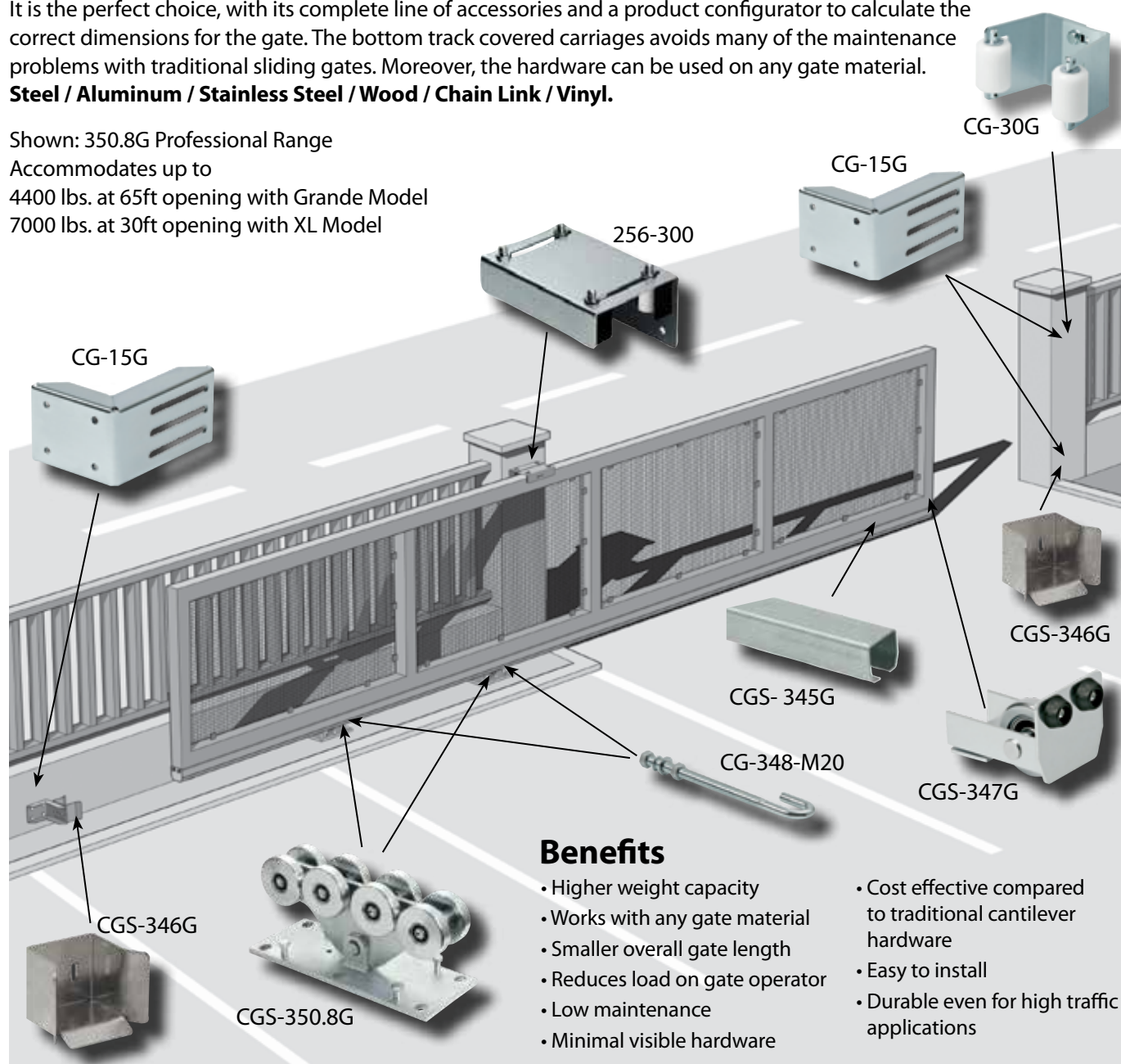
Steel / Aluminum / Stainless Steel / Wood / Chain Link / Vinyl.

Shown: 350.8G Professional Range

Accommodates up to

4400 lbs. at 65ft opening with Grande Model

7000 lbs. at 30ft opening with XL Model



Benefits

- Higher weight capacity
- Works with any gate material
- Smaller overall gate length
- Reduces load on gate operator
- Low maintenance
- Minimal visible hardware
- Cost effective compared to traditional cantilever hardware
- Easy to install
- Durable even for high traffic applications

NOTE: WE ONLY SUPPLY THE HARDWARE, NOT THE GATE ITSELF

Call us at :

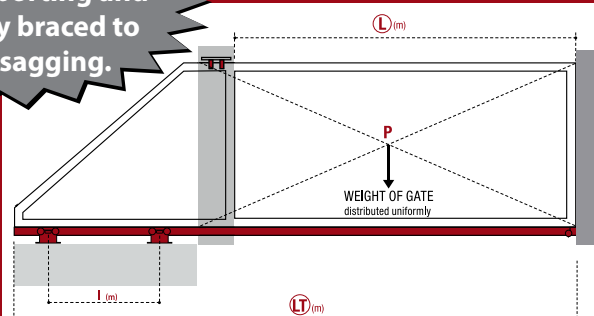
800-784-7444

for **FREE** assistance in configuring the specifications for your cantilever gate project.

Based on the gate dimensions, we can supply you with:

- Length of counter balance
- Load calculations
- Bill of materials
- Installation instructions

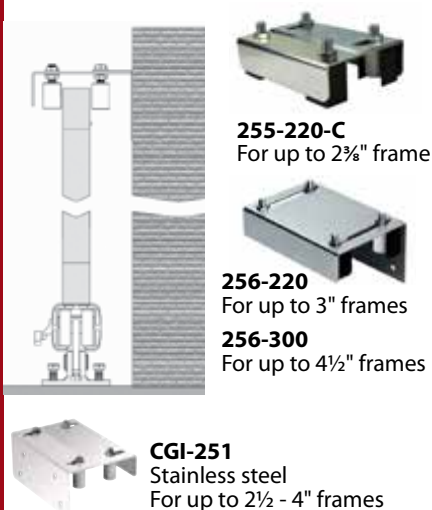
The gate itself must be self supporting and adequately braced to prevent sagging.



GALVANIZED STEEL TRACK						
Model	CGS - 350.5XL	CGS - 350.8G	CGS - 350.8P	CGS - 250.8P	CGS - 250.8M	CGS - KIT150
Opening & Weight Range	30 ft. up to 7700 lbs. 65 ft. up to 4400 lbs.	16 ft. up to 4000 lbs. 60 ft. up to 1800 lbs.	10 ft. up to 1700 lbs. 26 ft. up to 1000 lbs.	8 ft. up to 1300 lbs. 19 ft. up to 800 lbs.	8 ft. up to 900 lbs. 14 ft. up to 500 lbs.	8 ft. up to 660 lbs. 13 ft. up to 330 lbs.
Carriages						Included in Kit: 2x CGS-150.5M Mini Carriage Multiplate Body Choice of CGS-245M Small Galvanized Track: 1x 19'8" 3x 6'6" 1x CGS-347M End wheel 1x CGS-346M Bottom end cup 1x 255-220-C Top Guide with roller covers
	CGS-350.5XL Extra Large Carriage Monobloc Body	CGS-350.8G Grande Carriage Monobloc Body	CGS-350.8P Large Carriage Monobloc Body	CGS-250.8P Large Carriage Multiplate Body	CGS-250.8M Small Carriage Multiplate Body	
Tracks available in 9'10" or 19'8" lengths						
	CGS-345XL Extra Large 7¼" W x 6½" H Raw Track Available 9'10" only	CGS-345G Grande Galvanized Track 5½" W x 5½" H	CGS-345P Large Galvanized Track 4" W x 3½" H	CGS-245P Large Galvanized Track 4" W x 3½" H	CGS-245M Small Galvanized Track 2¾" W x 2¾" H	
Accessories						      
2x 	CGS-347XL End Wheel for UL325 Compliance	CGS-347G End Wheel for UL325 Compliance	CGS-347P End Wheel for UL325 Compliance	CGS-347P End Wheel for UL325 Compliance	CGS-347M End Wheel for UL325 Compliance	
1x 	CGS-346XL Bottom End Cup	CGS-346G Bottom End Cup	CGS-346P Bottom End Cup	CGS-346P Bottom End Cup	CGS-346M Bottom End Cup	
1x 	CG-30P Gate Receiver 3-3/8" to 4-1/2"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	
2x 	CG-15G Adjustable Mounting Bracket	CG-15G Adjustable Mounting Bracket	CG-15P Adjustable Mounting Bracket	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket	
Anchoring and Installation Accessories						
12x 	CG-348-M20 J-Bolt, Galvanized M20 x 15"	CG-348-M20 J-Bolt, Galvanized M20 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	8x
2x 	CG-05G Foundation Plate	CG-05G Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	

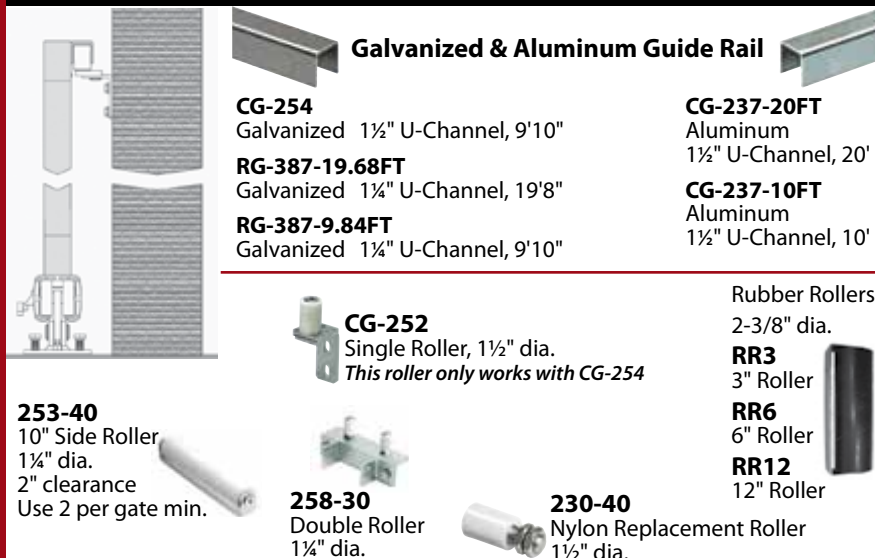
TOP GUIDE OPTIONS

Adjustable Guiding Plate with roller covers to avoid pinch points.



SIDE MOUNT GUIDE OPTIONS

USE FOR GATES WITH AN ARCHED TOP OR PROTRUDING PICKETS



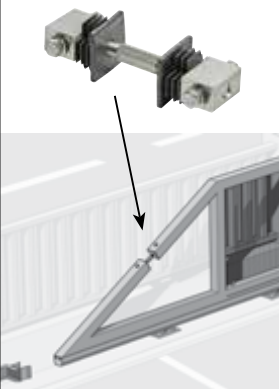
STAINLESS TRACK	
Model	CGI-350.5P
Opening & Weight Range	13 ft. up to 700 lbs. 26 ft. up to 400 lbs.
Carriages	
	CGI-350.5P Large Carriage Monobloc Body
Tracks available in 9'10" or 19'8" lengths	
	CGI-345P Large Stainless Steel Track 4" W x 3½" H
Accessories	
2x 	CGI-347P End Wheel for UL325 Compliance
1x 	CGI-346P Bottom End Cup
1x 	CG-30M Gate Receiver 2" to 3"
2x 	CG-15P Adjustable Mounting Bracket
Anchoring and Installation Accessories	
12x 	CGI-348-M16 J-Bolt, Stainless Steel M16 x 15"
2x 	CGI-05P Foundation Plate

ALUMINUM TRACK		
Model	CGA - 350.5P	CGA - 350.5M
Opening & Weight Range	20 ft. up to 700 lbs. 30 ft. up to 400 lbs.	10 ft. up to 550 lbs. 16 ft. up to 300 lbs.
Carriages with Nylon Wheels		
	CGA-350.5P Large Carriage Monobloc Body Nylon Wheels	CGA-350.5M Small Carriage Monobloc Body Nylon Wheels
Tracks available in 9'10" or 19'8" lengths		
	CGA-345P Large Aluminum Track 4 ¾" W x 4 ½" H	CGA-345M Small Aluminum Track 3 ¾" W x 3 ½" H
Accessories		
2x 	CGA-347P End Wheel for UL325 Compliance	CGA-347M End Wheel for UL325 Compliance
1x 	CGS-346P Bottom End Cup	CGA-346M Bottom End Cup
1x 	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"
2x 	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket
Anchoring and Installation Accessories		
12x 	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15" 8x
2x 	CG-05P or CGI-05P Foundation Plate	CG-05P or CGI-05P Foundation Plate

CGI-40

Tension Bar - Stainless Steel
Fits 50mm metric tubing
USA 2½" sq. min. (shimmed)
With turnbuckle action

Use for minor adjustment
of gate sag



duragates.com

- Browse models
- Download
 - CAD drawings
 - Spec sheets
 - Installation Instructions
- Read FAQs
- View the project gallery
- Request a quote

GALVANIZED STEEL TRACK

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
CGS-KIT150	GATE OPENING: 12FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 18FT	20ft of track, 2 carriages, 1 end cup, 1 end wheel, and 1 top guide plate	8 ft at 660 lbs 13 ft at 330 lbs
CGS-250.8M	GATE OPENING: 16FT WEIGHT OF OPENING: 600LB TOTAL GATE LENGTH: 22FT	30ft of track, 2 carriages, 2 end cups, 2 end wheels, 1 top guide plate and 8 J-bolts	8 ft at 900 lbs 14 ft at 500 lbs
CGS-250.8P	GATE OPENING: 18FT WEIGHT OF OPENING: 800LB TOTAL GATE LENGTH: 24FT	30ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	8 ft at 1300 lbs 19 ft at 800 lbs
CGS-350.8P	GATE OPENING: 24FT WEIGHT OF OPENING: 1200LB TOTAL GATE LENGTH: 33FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	10 ft at 1700 lbs 26 ft at 1000 lbs
CGS-350.8G	GATE OPENING: 30FT WEIGHT OF OPENING: 1800LB TOTAL GATE LENGTH: 39FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	16 ft at 4000 lbs 60 ft at 1800 lbs
CGS-350.5XL	GATE OPENING: 30FT WEIGHT OF OPENING: 3800LB TOTAL GATE LENGTH: 40FT	40ft of track, 2 carriages, 1 top guide plate and 12 J-bolts	30 ft at 7700 lbs 65 ft at 4400 lbs

ALUMINUM TRACK

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
CGA-350.5M	GATE OPENING: 16FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 21FT	30ft of track, 2 carriages, 2 end cups, 2 end wheels, 1 top guide plate and 8 J-bolts	10 ft at 550 lbs 16 ft at 300 lbs
CGA-350.5P	GATE OPENING: 24FT WEIGHT OF OPENING: 600LB TOTAL GATE LENGTH: 32FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	20 ft at 700 lbs 30 ft at 400 lbs

STAINLESS TRACK

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
CGI-350.5P	GATE OPENING: 20FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 26FT	30ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	13 ft at 700 lbs 26 ft at 400 lbs

**CALL 800-784-7444 FOR DETAILED GATE CONFIGURATION
OR
VISIT DURAGATES.COM**

Company: _____ Contact: _____ Phone: _____

Email: _____ Job Name: _____

DuraGates cantilever hardware is an application specific engineered product. Each gate application should be configured based on the opening width of the gate (L) and the weight (P) "over the opening" to determine the total gate length (LT), carriage spacing (I), and the concrete foundation dimensions.

IS THIS PROJECT?

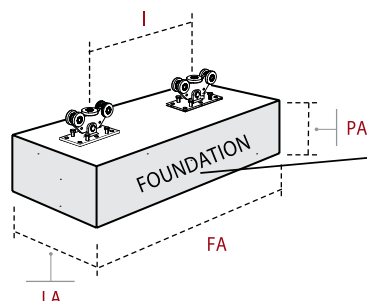
- ☐ A new gate
☐ Existing Gate / Retrofit

Please provide the following information for an application specific configuration, parts list, and pricing.

1 MATERIAL OF THE GATE (OR FRAME) ☐ Steel ☐ Aluminum ☐ Chain Link ☐ Stainless Steel	DURAGATES TRACK MATERIAL REQUIRED ☐ Galvanized Steel ☐ Aluminum ☐ Stainless Steel	GATE FRAME SIZE ☐ 1-1/2" ☐ Square ☐ 2" ☐ Round ☐ 2-1/2" ☐ Other _____
2 OPENING WIDTH Typically the post to post measurement L = _____ ft. / in.		
3 WEIGHT OF THE GATE "over the opening" If the weight is given for the full gate, specify the assumed gate length and label it as full gate weight P = _____ lbs. Full gate weight _____ lbs. Assumed gate length _____ ft. / in.		
4 OPTIMIZE FOR MINIMUM TAIL LENGTH OR COST? ✦ Often two or more models will carry the load, so knowing which is more important for the application guides us to the best result. ✦ Space available in "Open" position. _____ ft. / in.		
5 IS GATE FLAT ON TOP? ☐ Yes ☐ No _____	6 GATE LOCK OPTIONS <i>Manually Operated Gate</i> ☐ Key Operated Lock ☐ Mechanical Code Lock <i>Automated Gate</i> ☐ Mag Lock ☐ NO LOCK	7 GATE AUTOMATION / DRIVE SYSTEM ☐ Standard Carriages ☐ Integrator Carriages

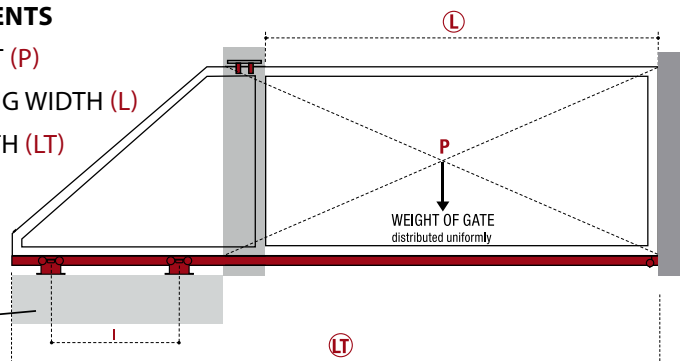
FOUNDATION

LENGTH (LA)
 WIDTH (FA)
 DEPTH (PA)
 INTERAXIS (I)



MEASUREMENTS

GATE WEIGHT (P)
 GATE OPENING WIDTH (L)
 TOTAL LENGTH (LT)



Frequently Asked Questions

Q: Where do I start?

A: The first step is to think about what kind of gate design and gate material you want. The advantage of using our hardware is that you can use practically any gate design with any gate material. Then, let us know the size of the opening and the approximate weight of just the opening part of the gate. We will then come back to you with the suggested model, overall length of gate including counterbalance and size of the foundation required. Armed with that information you can then complete your gate design.

Q: I have seen most cantilever track with a top track system. What are the advantages of the Duragates system over the top track system?

A: There are several advantages actually.

- First of all, the weight of the gate is transferred to the ground, hence it can bear a lot more load than a top track. Besides there are less chances of the track bending/buckling
- You can use any gate material versus mainly steel/aluminum for the top track system
- You can design any gate shape versus only a straight gate for the top track
- Performs better in the snow
- Looks much better versus the industrial look of the top track system
- Our system needs a smaller counterbalance versus the top track thus reducing the overall gate length
- You don't need an elaborate system of posts to mount the gate to. Posts tend to shift over time causing problems in the future. Our system only needs a top guide plate that can be installed even on masonry columns

Q: Can I use any gate material?

A: Yes, you can use practically any gate material as long as you can mechanically attach the gate to the bottom track. In case of a steel or aluminum gate you can just weld the gate to the track, or even use the track itself as the bottom frame of the gate.

Q: The system looks very simple. What am I missing?

A: You are not missing anything ! The system is actually very simple. Just a track, 2 wheels and some related accessories. Not just that, it is also very aesthetically appealing with minimal visible hardware.

Q: I live in very heavy snow conditions. How does it perform in these conditions?

A: The product actually works better in the snow than most traditional sliding gate hardware systems.

- The wheels are always covered with the track, hence you never have to clean the wheels.
- There are no exposed rollers unlike some other cantilever systems
- The path of the gate travel has to be cleared of snow, which would have to be done for any gate
- You may have to adjust the foundation depth based on the frost line in your local area

Q: I don't know the weight of my gate. Where do I go from here?

A: We urge you to at least roughly estimate the weight of the gate based on the materials and design used. It is an important starting point in order for us to help you configure the overall gate dimensions.

Q: My gate is very small. Can I use your system?

A: Absolutely. Our system can be used for openings as small as 2 to 3 ft in residential and even indoor applications. You don't need to pour a foundation for small gates/doors such as these. See our project gallery for examples.

Q: Which gate operator can I use?

A: Our system is totally independent of the gate operator. You can use a gate operator of your choice. In fact the face of the bottom track provides a nice surface to mount the gear rack to (for rack/pinion type operators). The track slides very smoothly on the carriages thereby reducing the load on the operator.

Q: What kind of maintenance does it require?

A: None really. The carriages have sealed bearings. Depending on usage, the bearings may wear out eventually and it is then advisable to replace the entire carriage. If you ever want to service the gate, simply remove the end caps and slide the gate off the track.

Q: How much effort will I need to operate the gate?

A: The track slides very smoothly on the carriages and you can operate the gate with just one hand. Of course, depending on the weight of the gate and the application you may want to install a gate operator. Due to the smooth operation, the load on the operator is also reduced.

Q: Can the gate travel at an incline?

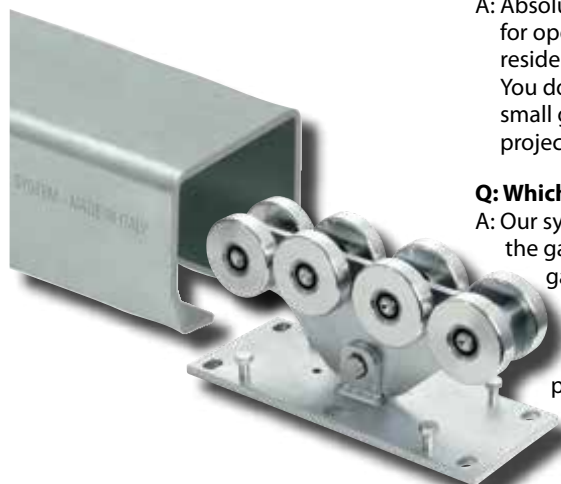
A: Unfortunately that is one application where the gate won't work. The carriages have to be installed horizontally and in one line. However, since it is cantilevered off the ground, the ground itself can be at an incline. You just have to install the gate high enough to clear the highest point on the ground.

Q: Can I install the carriages on a post instead of on the ground?

A: We highly discourage installing the carriages on the post as it will not be able to bear a high load and will also cause problems once the post starts to shift. In fact the system is designed to avoid all the problems associated with mounting the carriages to a post. We realize that there is an added cost involved in making a foundation. However, for light duty applications, many of our customers have been able to post mount the carriages or not pour a foundation. Once you understand how the system works, please use your judgment to determine what could work in your application.

Q: I have an arch top on my gate. What do I use for the top guide?

A: For arched and other gate shapes we recommend using the monorail CG-254 and the roller CG-252. This galvanized steel monorail can be installed horizontally somewhere along the full length of the gate and will provide adequate support.



duragates.com

WHY CHOOSE OVER OTHER SLIDING/ROLLING GATE SYSTEMS?

DuraGates enclosed roller system



Benefits of using DuraGates Hardware!

- **Higher Weight Capacity**

With the weight of the gate transferred to the ground, gate openings up to 59 feet with a weight of 4000 pounds can be accommodated.

- **Enclosed Track**

Enclosed track system helps comply with ASTM F2200 & UL325 safety standards. This system is perfect for snowy, icy, rainy.... basically any environment as the rollers are enclosed inside the track and are not affected by precipitation thus eliminating the need for constant cleaning and maintenance.

- **Use with any Gate Material**

The gate can be either welded or mechanically attached to the bottom track.

- **Smaller Overall Gate Length**

The counterbalance is less than traditional cantilever hardware which works especially well when space is restricted.

- **Easy Installation**

Once the 2 carriages are mounted on the concrete pad, simply slide the gate on the carriages and add the end wheels.

- **Durability**

High quality rollers and track result in years of troublefree operation.

- **Reduced Load on Gate Motor**

The gate will roll smoothly and can even be operated with one hand. This reduces the load on the gate motor resulting in a longer life and reduced maintenance on the motor.

- **Low Maintenance**

Enclosed, sealed bearing equipped roller construction, no lubrication required! The sealed bearings really stand up to dusty environments where grit would eat up non-sealed bearing designs.

- **Minimal Visible Hardware**

Since no unsightly wires or overhead track are needed with DuraGates, our hardware makes for a more aesthetically pleasing gate system. It can also be adapted for a gate with an arched top.

- **Unobstructed Driveway**

No track on the ground to trip over. The driveway can be uneven and sloping since the gate is off the ground.

V-track systems

Pros:

- Nice slide action if there is nothing in the way of the rollers like a garden hose, rock, or other obstruction.



Cons:

- Needs digging of trench along length of driveway for proper installation.
- Ground track can be obstructed by objects laying over it.
- Rollers can possibly be derailed.
- In freezing weather, snow and ice can obstruct the track, and when the gate is open, the track would potentially be in the way of snow plowing.
- In freezing weather the rollers can freeze up, compromising the smooth slide action of the gate.

Overhead track systems

Pros:

- Sometimes a closed roller system, meaning the rollers are sheltered from the elements within the track, this way snow and ice doesn't impede the rolling action of the gate.



Cons:

- Bearings used in these systems are not commonly a sealed bearing, so maintenance is required, grease must be used to keep the bearings within the trucks rolling smoothly. This type of lubrication accumulates grit, especially in dusty environments and requires a cleaning of the track and roller surfaces to maintain a smooth gate action.
- Overhead systems usually do not work with gates that are meant to be ornamental or even just aesthetic, the track looks quite industrial from the outside if it is not hidden by the gate.
- It is not possible to do an arched top gate.
- Gate is constantly pulling down on the track resulting in limited weight capacity.

Chainlink exposed-roller systems

Pros:

- Economical: Because this type of system uses the bottom pipe of the chainlink gate as a track, there is no track to purchase. This means that all you have to buy are rollers to support and guide the gate.



Cons:

- These gates have practically no aesthetic appeal, this is why they are commonly used in industrial applications.
- Due to using the chainlink panel frames as the channel for the rollers, the gate itself can get quite dirty from lubrication of the rollers getting onto the gate frame.
- These gates can have the least smooth action.
- The rollers are exposed and need constant cleaning.
- Needs at least 50% counter balance
- As the gate posts may eventually shift, the rollers may need constant adjustment.



This residence is on a busy street and did not have the space for a swing gate. The homeowner needed an ornamental sliding gate with a decorative top to blend in with an existing fence.

The solution, DuraGates. By using the monorail track, CG-254, and the nylon roller, CG-252, the gate was fabricated with the matching spear points of the fence.



This large entrance required sturdy gates with minimal visible hardware. This client decided to use DuraGates Aluminum Track Model, CGA-350.5P. The gate cantilevers over the driveway instead of having V-Groove track mounted on the ground in the entrance. When the gates are both open, they tuck nicely behind the two brick walls. By choosing the aluminum model, there is no chance of rust or corrosion, making these gates a low maintenance addition to the property.

Both gates have been installed with a Deimos gate operator by BFT and are controlled via remote control.

To deter unauthorized parking, property management required an automated sliding gate so that only their tenants would have access to the apartment parking lot.

To achieve this, DuraGates cantilever hardware was installed as a ground track system would not be possible due to the uneven ground at the entry point. DuraGates also complies with the required ASTM F2200 & UL325 safety standards.



Scan the QR code to view more DuraGates projects.



Due to the hardware's versatility, this gate was fabricated to match the deck rails on a porch in order to keep the owner's dogs from venturing out into the yard. The CGS-250.8M galvanized steel track model was used. Due to the small size of the carriages and minimal hardware used to create the gate, it is quite aesthetically pleasing. To a passerby, this front porch would look to be enclosed, since the gate hardware is mostly hidden.



This client chose Integrator model CGS-500.8M for his sliding gate. The Integrator is a new galvanized steel cantilever system with an internal gear-rack drive system. This means the gear rack is installed inside of the DuraGates bottom track hiding it from view. From the outside of the property there is no visible gate hardware. The gate blends seamlessly into the surrounding fence.

THE EVOLUTION CONTINUES

The Integrator

The all new galvanized steel cantilever system with internal gear-rack drive system.

Integrated protection:

- ...from the weather
- ...from tampering
- ...from personal injury
- ...from unsightly chains

Automation ready.

Makes the mechanics disappear for a clean simple look.

Comunello quality - DuraGates support!



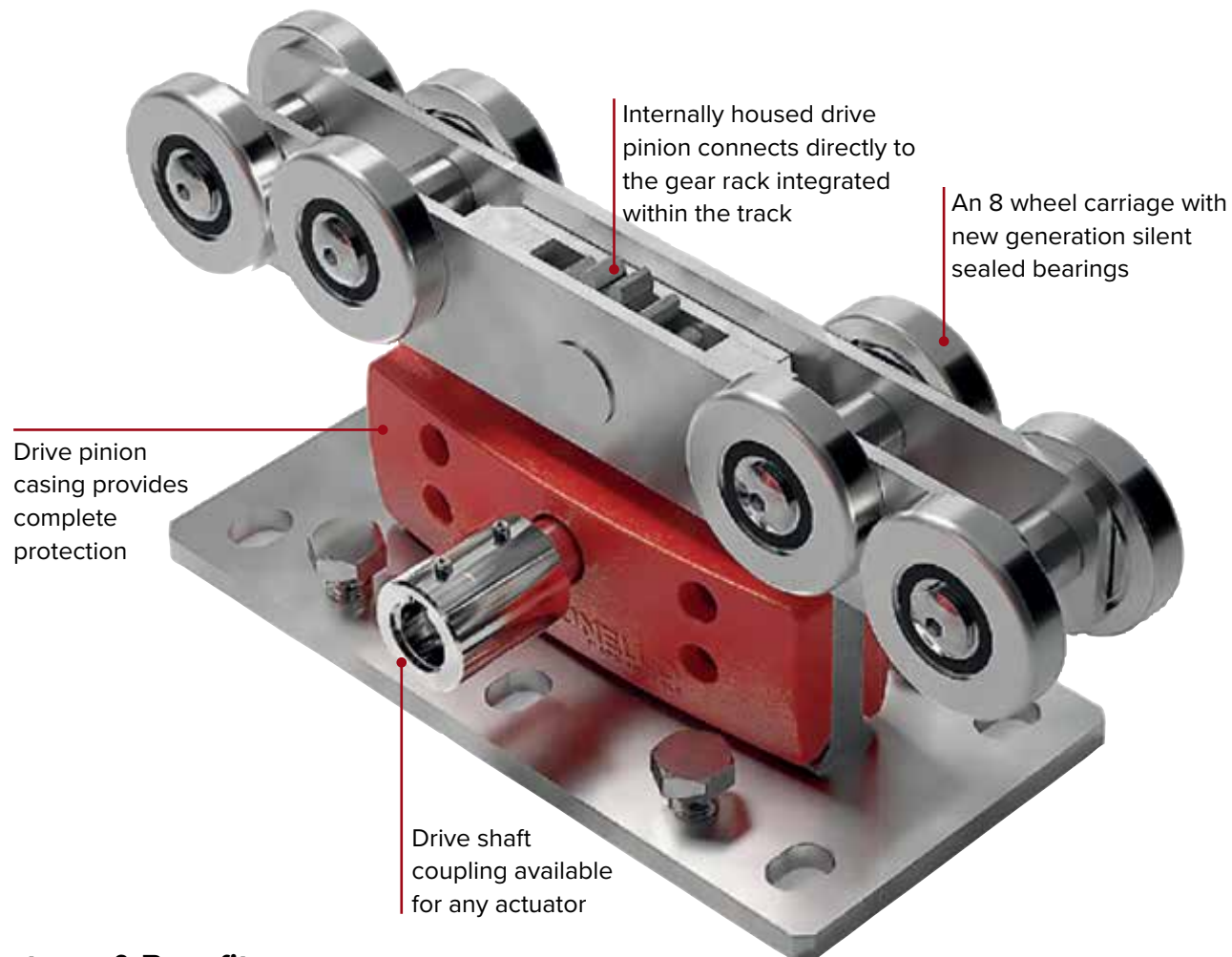
Manufactured by
COMUNELLO
LIFE MADE EASY



Watch a video for more information.

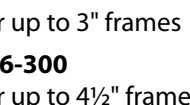
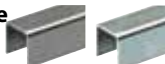
The Integrator hides the drive gear in the carriage and the gear rack inside the track and couples the gate operator directly to the carriage for a unique integrated system that completely hides the drive mechanics.

- The drive pinion and gear rack are completely protected inside the carriage and track, which guarantees excellent protection from ice blockages and other weather related problems.
- Carriage with integrated pinion provides for an easy installation: simply connect the carriage directly to the gate operator using the drive shaft coupling
- Suitable for temperatures ranging from -22°F to 176°F.
- The integrated drive system protects the moving parts and gives a clean, elegant look while increasing personal safety.



Features & Benefits:

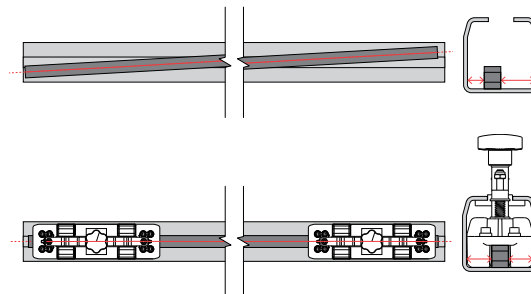
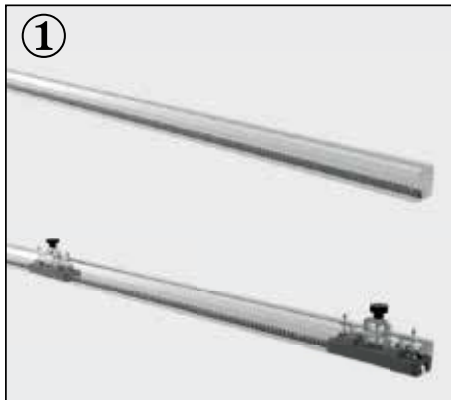
- Noiseless bearings of new generation shielded to protect against dust suitable for temperatures from -22°F to 176°F
- Self-balancing
- 8 support wheels for each carriage
- Quiet operation
- Increased personal safety
- Next Gen technology

Model	CGS-500.8M	CGS-500.8P	CGS-500.8G
Opening range: Weight:	Up to 23 ft. Up to 1100 lbs.	Up to 26 ft. Up to 1760 lbs.	Up to 52 ft. Up to 2645 lbs.
CARRIAGES 	CGS-500.8M Small Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	CGS-500.8P Large Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	CGS-500.8G Grande Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage
TRACK 	CGS-345M Small, galvanized steel 19'8" or 9'10" lengths	CGS-345P Large, galvanized steel 19'8" or 9'10" lengths	CGS-345G Grande, galvanized steel 19'8" or 9'10" lengths
RACK 	CG-50M 4'11" Gear Rack w/Mounting Screws	CG-50P 4'11" Gear Rack w/Mounting Screws	CG-50G 3'4" Gear Rack w/Mounting Screws
TEMPLATE 	CG-55M Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	CG-55P Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	CG-55G Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track
ADAPTER 	CG-58 Drive Shaft Coupling	CG-58 Drive Shaft Coupling	CG-58G Drive Shaft Coupling
TYPICAL ACCESSORIES 2x  1x  2x  1x  12x  2x 	CGS-347M End Wheel for UL325 Compliance CGS-346M Bottom End Cup CG-15M Adjustable mounting bracket CG-30M Gate receiver, 2" - 3" frame CG-348-M16 Threaded J-bolt for mounting carriages. CG-05P Foundation plate for carriage	CGS-347P End Wheel for UL325 Compliance CGS-346P Bottom End Cup CG-15P Adjustable mounting bracket CG-30M Gate receiver, 2" - 3" frame CG-348-M16 Threaded J-bolt for mounting carriages. CG-05P Foundation plate for carriage	CGS-347G End Wheel for UL325 Compliance CGS-346G Bottom End Cup CG-15G Adjustable mounting bracket CG-30M Gate receiver, 2" - 3" frame CG-348-M20 Threaded J-bolt for mounting carriages. CG-05G Foundation plate for carriage
TOP GUIDE OPTIONS Adjustable Guiding Plate with roller covers to avoid pinch points.  255-220-C For up to 2 3/8" frame  256-220 For up to 3" frames  256-300 For up to 4 1/2" frames		SIDE MOUNT GUIDE OPTIONS Galvanized & Aluminum Guide Rail  CG-254 Galvanized 1 1/2" U-Channel, 9'10" RG-387-19.68FT Galvanized 1 1/4" U-Channel, 19'8" RG-387-9.84FT Galvanized 1 1/4" U-Channel, 9'10" CG-237-20FT / CG-237-10FT Aluminum 1 1/2" U-Channel, 20' / 10'	
		 CG-252 Single Roller, 1 1/2" dia. <i>This roller only works with CG-254</i>  258-30 Double Roller 1 1/4" dia.  230-40 Nylon Replacement Roller 1 1/2" dia.  253-40 10" Side Roller 1 1/4" dia. 2" clearance Use 2 per gate min.	
USE FOR GATES WITH AN ARCHED TOP OR PROTRUDING PICKETS			

The Integrator Gear Rack Installation Tool



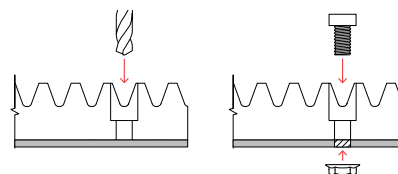
The integrator installation tool is a centering and alignment guide. It quickly and simply centers the gear rack along its length by sliding into position inside the track. The central slot in the guide base holds the gear rack centered in the track. The screw adjustment locks the tool in position so that the pre-drilled holes on the gear rack can be used as a template for drilling into the track. When a second piece of gear rack is required, just position the guide between the two gear racks and tighten the locking screw. This will perfectly align the teeth between the two gear racks.



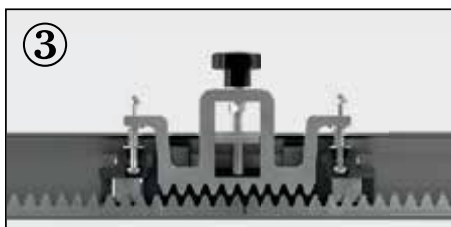
Position the first piece of gear rack inside the track. Use two template guides, one positioned at each end of the gear rack to center the gear rack lengthways within the track.



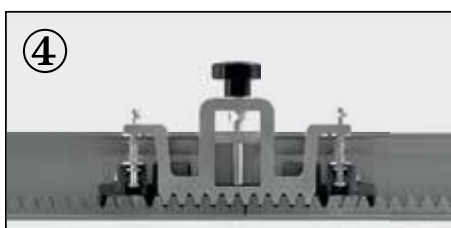
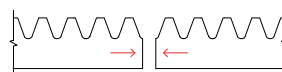
Using the pre-drilled gear rack as a guide, drill mounting holes in the track. Screw the gear rack to the track.



Drill Bit Sizes:	
CG-50M	5.2mm
CG-50P	6.2mm
CG-50G	10.2mm



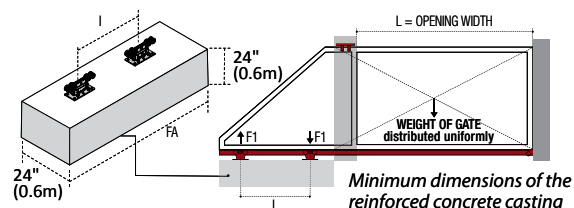
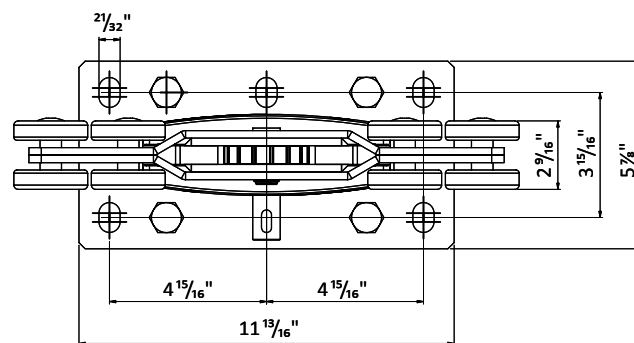
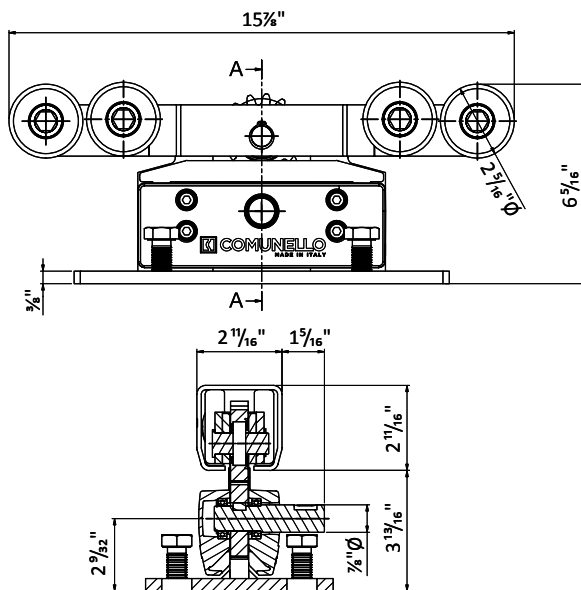
Insert the second piece of gear rack.



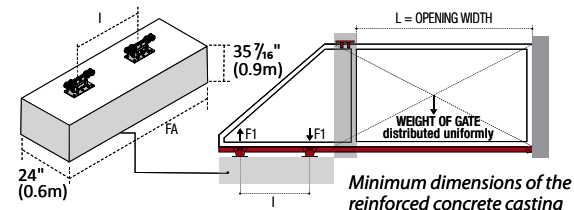
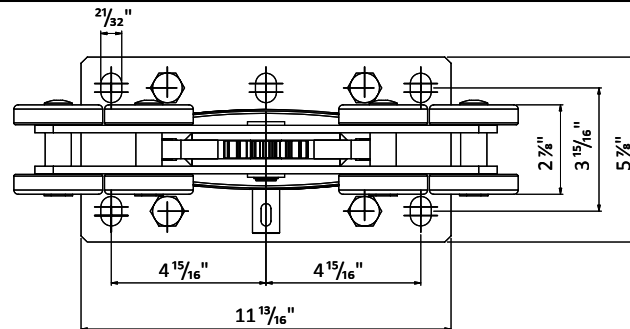
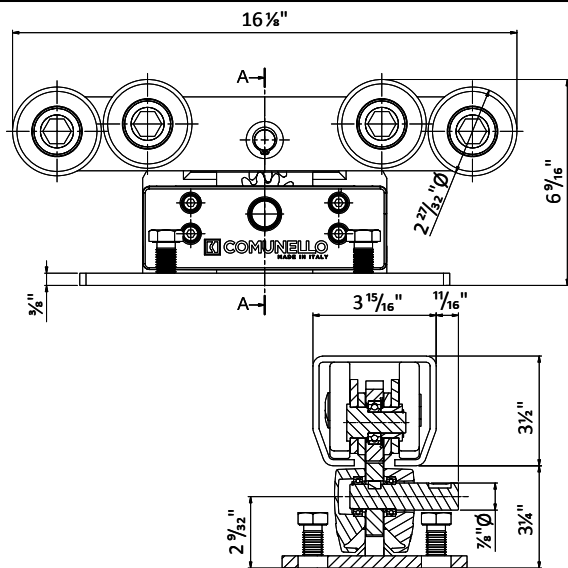
Position the template guide between two pieces of gear rack and tighten the locking screw. The gear rack teeth are registered and spaced correctly as the guide is tightened into place. After locking the second guide at the far end of the gear rack, use the pre-drilled gear rack as a guide to continue drilling mounting holes in the track.

The Integrator Specifications

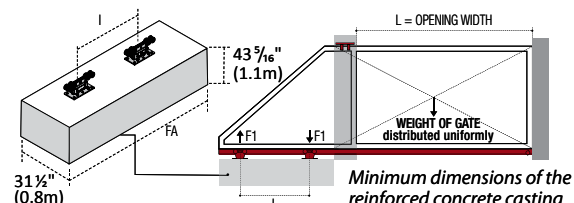
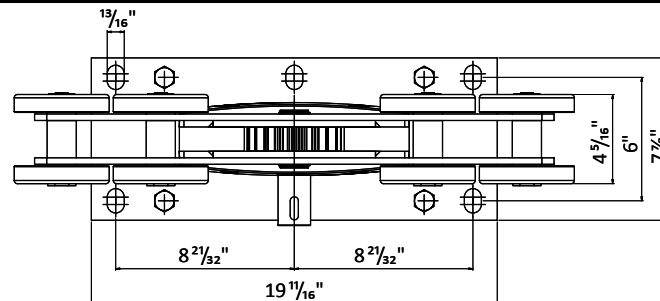
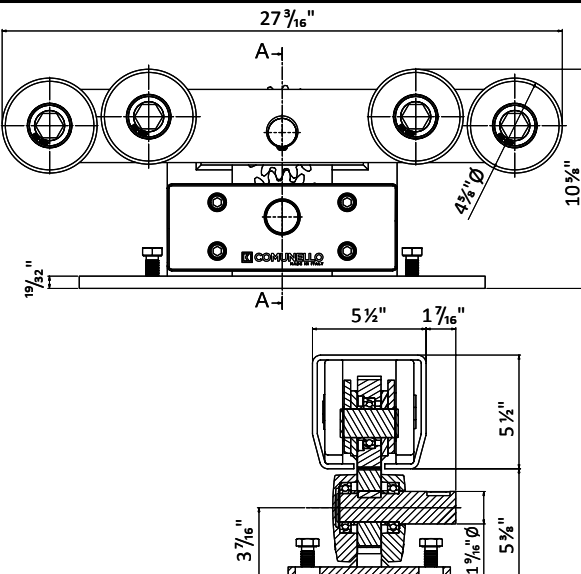
CGS-500.8M



CGS-500.8P



CGS-500.8G



CGS-500.8M (F1max=1100 Lbs)

	L=6'7"		L=9'10"		L=13'2"		L=16'5"		L=19'8"		L=23'	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
220	48	20	60	32	67	40	79	52	91	60	99	71
330	48	20	60	32	67	40	79	52	91	60	99	71
440	48	20	60	32	67	40	79	52	91	60	99	71
550	48	20	60	32	67	40	79	52	91	60	99	71
660	48	20	60	32	67	40	79	52	91	60	99	71
770	52	24	60	32	67	40	79	52	91	63	103	75
880	56	28	67	40	79	52	91	63	103	75	115	87
990	60	32	71	44	87	60	103	75	119	91	134	107
1100	67	40	83	56	99	71	115	87	134	107	154	126

CGS-500.8P (F1max=1760 Lbs)

	L=9'10"		L=13'2"		L=16'5"		L=19'8"		L=23'		L=26'3"	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
220	60	32	67	40	79	52	87	60	99	71	107	79
330	60	32	67	40	79	52	87	60	99	71	107	79
440	60	32	67	40	79	52	87	60	99	71	107	79
550	60	32	67	40	79	52	87	60	99	71	107	79
660	60	32	67	40	79	52	87	60	99	71	107	79
770	60	32	67	40	79	52	87	60	99	71	107	79
880	60	32	67	40	79	52	87	60	99	71	107	79
990	60	32	67	40	79	52	87	60	99	71	107	79
1100	60	32	67	40	79	52	87	60	99	71	107	79
1210	60	32	67	40	79	52	87	60	99	71	111	83
1320	63	36	71	44	83	56	95	67	107	79	119	91
1430	67	40	79	52	91	63	103	75	119	91	130	103
1540	71	44	83	56	99	71	111	83	126	99	142	115
1650	75	48	91	63	107	79	123	95	138	111	154	126
1760	79	52	95	67	115	87	130	103	150	123	170	142

CGS-500.8G (F1max=2640 Lbs)

	L=26'3"		L=29'6"		L=32'10"		L=36'1"		L=39'4"		L=42'8"		L=45'11"		L=49'3"		L=52'6"	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
1100	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1210	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1320	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1430	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1540	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1650	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1760	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1870	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1980	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
2090	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	201	166
2200	115	79	126	91	134	99	146	111	158	123	170	134	182	146	197	162	209	174
2310	115	79	126	91	138	103	150	115	162	126	178	142	189	154	205	170	221	186
2420	119	83	130	95	146	111	158	123	170	134	186	150	201	166	217	182	233	197
2530	126	91	138	103	150	115	166	130	178	142	193	158	209	174	225	189	245	209
2640	130	95	142	107	158	123	170	134	186	150	201	166	221	186	237	201	256	221

V-GROOVE ROLLING GATE SYSTEM

Mfg. in Italy by **COMUNELLO**
LIFE MADE EASY

Manufactured in Italy by Comunello, this galvanized V-groove rolling gate hardware is a high quality system for residential and commercial applications. The V-groove track can either be cemented in the ground or bolted in place. A wide variety of wheels are available with weight capacities ranging from 485lbs - 4200lbs based on size and method for attaching to the gate.

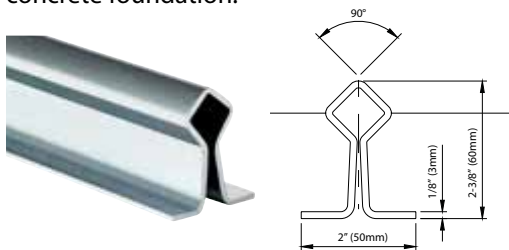


V-GROOVE TRACK - GALVANIZED

292-10FT

292-20FT

V-groove track to be recessed into the concrete foundation.



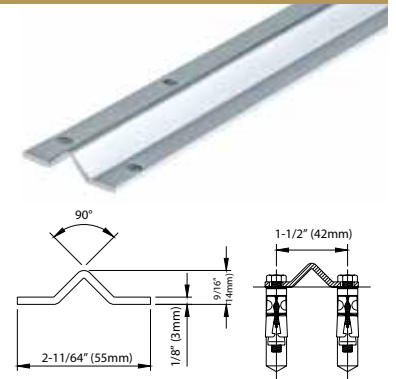
293-10FT

293-20FT

V-groove track to be bolted in place.

Hole size: 1/4" x 5/16"

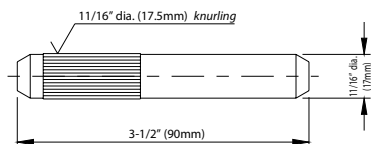
Spacing: 19-5/8" offset each side



V-GROOVE CONNECTION PINS - GALVANIZED

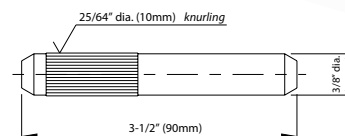
294

Connection pin to be used with track item 292



295

Connection pin to be used with track item 293



ALL DIMENSIONS ARE APPROXIMATE.

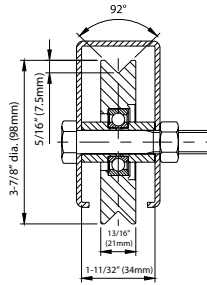
V-GROOVE ROLLING GATE SYSTEM

STANDARD V-GROOVE WHEELS - GALVANIZED



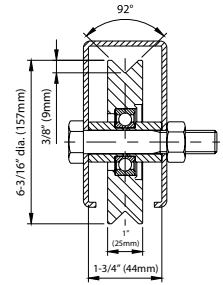
300V-100

- 4" wheel with **single bearing**
- M14 x 70mm wheel pin
- 485lb capacity per wheel



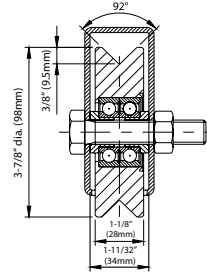
300V-160

- 6" wheel with **single bearing**
- M16 x 70mm wheel pin
- 640lb capacity per wheel



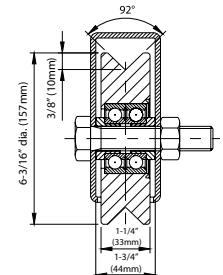
305V-100

- 4" wheel with **double bearing**
- M14 x 70mm wheel pin
- 940lb capacity per wheel



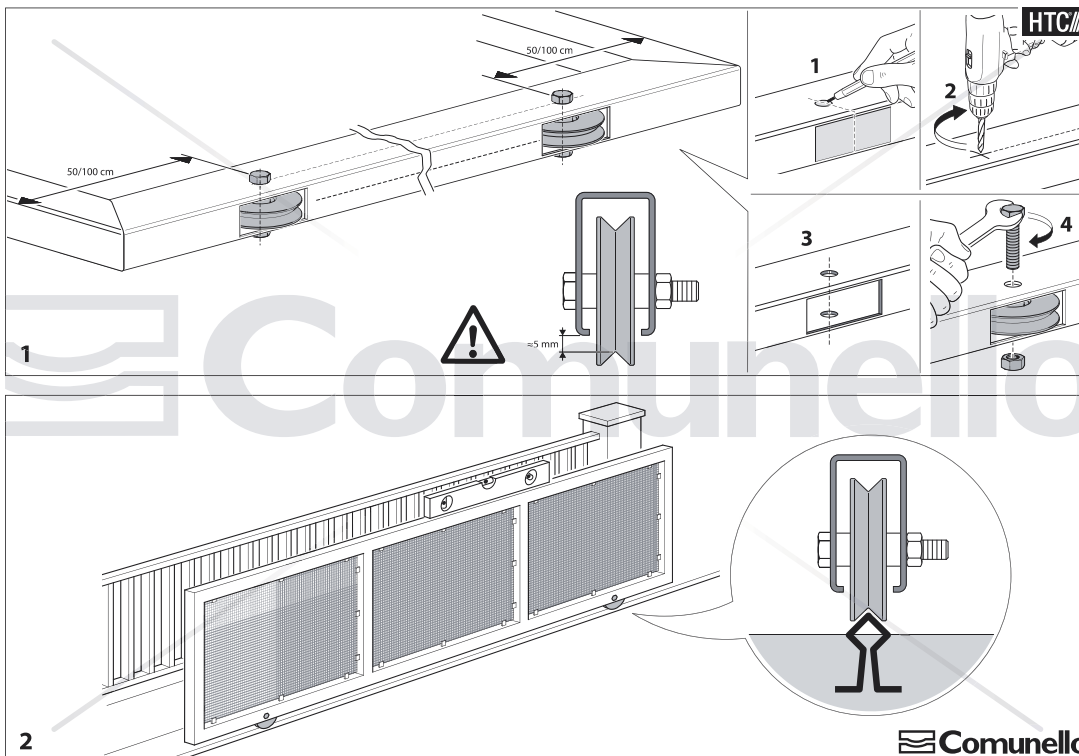
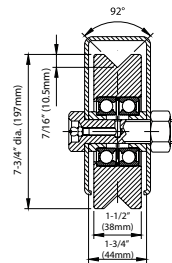
305V-160

- 6" wheel with **double bearing**
- M16 x 70mm wheel pin
- 1270lb capacity per wheel

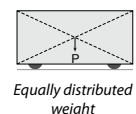


322V-200

- 8" heavy duty wheel with **double bearing**
- M18 x 70mm wheel pin
- 2205lb capacity per wheel
- grease zerk fittings in axle



Comunello



ALL DIMENSIONS ARE APPROXIMATE.

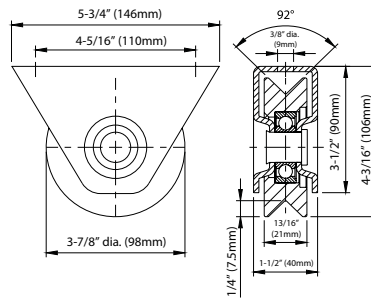
V-GROOVE ROLLING GATE SYSTEM

SURFACE MOUNTED V-GROOVE WHEELS - GALVANIZED



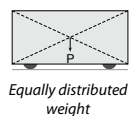
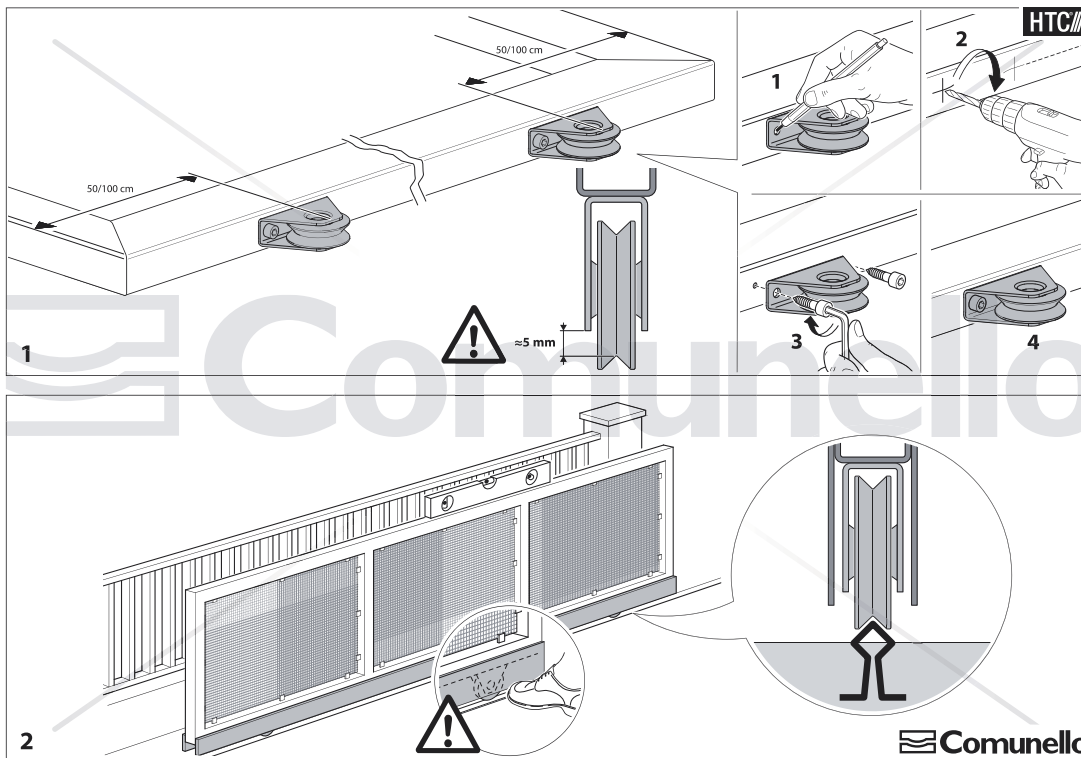
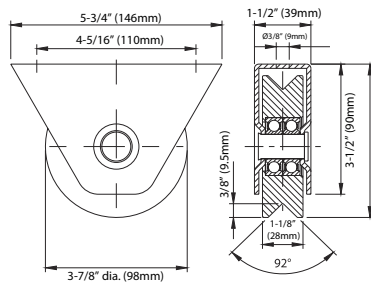
325V-100

- 4" wheel with **single bearing** and external surface mount support
- 485lb capacity per wheel



326V-100

- 4" wheel with **double bearing** and external surface mount support
- 890lb capacity per wheel

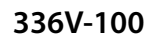


ALL DIMENSIONS ARE APPROXIMATE.

RECESSED MOUNT V-GROOVE WHEELS - GALVANIZED



- [illegible]



- [illegible]

- 336V-160**

- [illegible]



ALL DIMENSIONS ARE APPROXIMATE.

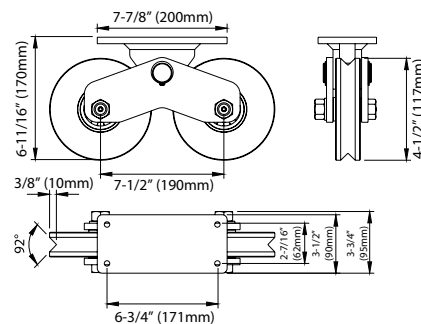
V-GROOVE ROLLING GATE SYSTEM

HD TWIIN WHEEL V-GROOVE - GALVANIZED



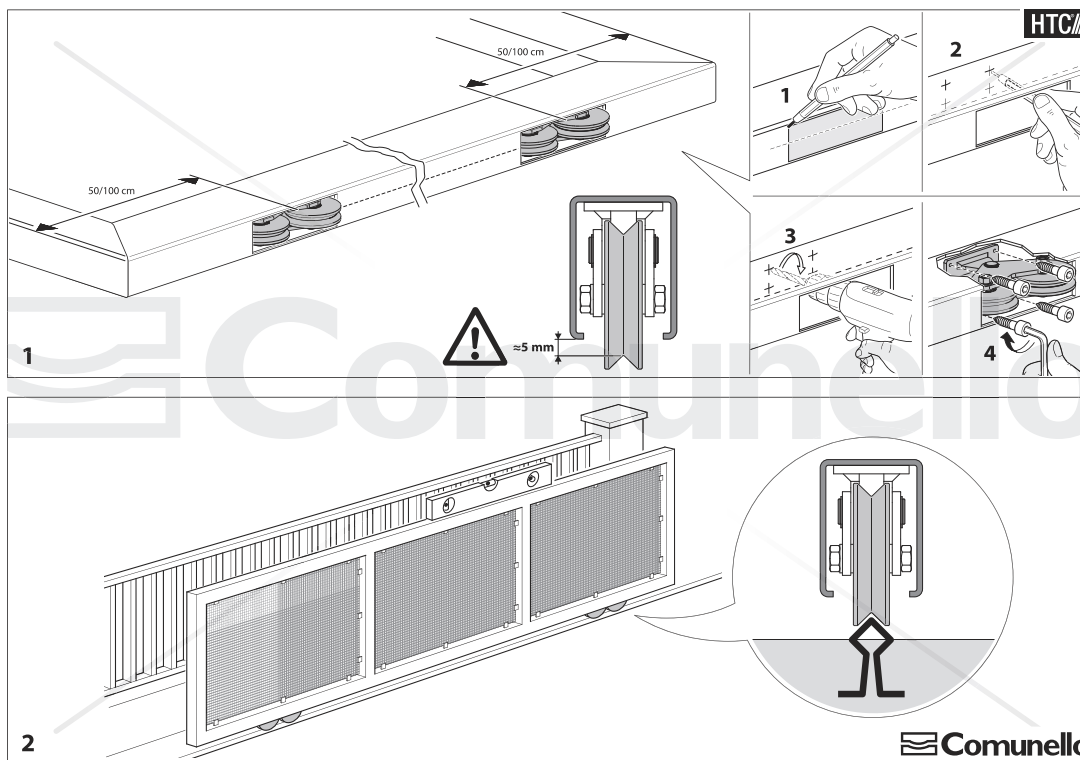
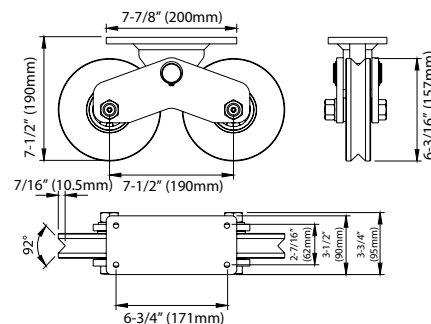
339V-120

- 4-3/4" heavy duty surface mounted twin wheels with **double bearing**
- M18 x 80mm wheel pin
- 2645lb capacity per wheel
- grease zerk fittings in axle

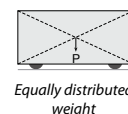


339V-160

- 6" heavy duty surface mounted twin wheels with **double bearing**
- M18 x 80mm wheel pin
- 4230lb capacity per wheel
- grease zerk fittings in axle



Comunello
© 2009 - Tutti i diritti sono riservati



ALL DIMENSIONS ARE APPROXIMATE.

V-GROOVE ROLLING GATE SYSTEM

TOP GUIDE OPTIONS - GALVANIZED

Adjustable Guiding Plate with roller covers to avoid pinch points.



255-220-C

For up to 2 3/8" frame



256-220

For up to 3" frames

256-300

For up to 4 1/2" frames



247

For 1 1/4" to 2" Frames



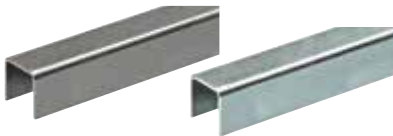
247F

For up to 3" frames

SIDE MOUNT GUIDE OPTIONS - GALVANIZED

USE FOR GATES WITH AN ARCHED TOP OR PROTRUDING PICKETS

Galvanized & Aluminum Guide Rail



CG-254

Galvanized 1 1/2" U-Channel, 9'10"

RG-387-19.68FT

Galvanized 1 1/4" U-Channel, 19'8"

RG-387-9.84FT

Galvanized 1 1/4" U-Channel, 9'10"

CG-237-20FT

Aluminum 1 1/2" U-Channel, 20'

CG-237-10FT

Aluminum 1 1/2" U-Channel, 10'



258-30

Double Roller

1 1/4" dia.



CG-252

Single Roller

1 1/2" dia.

This roller only works with CG-254

Non Marring
Rubber Rollers
2-1/4" dia.

NR3

3" Roller

NR6

6" Roller

253-40

10" Side Roller

1-1/4" dia.

2" clearance

Use 2 per gate min.



Rubber Rollers
2-3/8" dia.

RR3

3" Roller

RR6

6" Roller

RR12

12" Roller



GATE STOP - GALVANIZED



202

- Runaway stop
- Mounted via screws
- 4-3/4" high



202F-A

Damped runaway stop. Mounted via screws.

NYLON REPLACEMENT ROLLER



230-30

1-3/16" dia.
(30mm)

230-40

1-1/2" dia.
(39mm)

ALL DIMENSIONS ARE APPROXIMATE.

GATE ROLLERS

The SafeGlide® Cantilever Gate Roller can be used with cantilever gates. Easily installed & maintenance-free, the roller ensures reliable performance in industrial, commercial & residential applications. Mounting brackets available for 4" and 6-5/8" round posts; 4" and 6" square posts. Specify the roller alone, or pair it with a gate operator.

Specifications:

- Manual or automatic gate operation
- Roller: 6", 18,000 lb. PSI rating
- Bearings: 3,100 lb. rating, injection-molded for 2-3/8" dia. pipe, press-fit for 2" sq. pipe
- Mounting bracket: yellow zinc chromate for 4" O.D. pipe
- Made in USA



Top Roller



Bottom Roller



Bottom roller shown

575010 (Round)

Cantilever Roller Set

- For 2-3/8" dia. pipe
- Top & Bottom Roller

Requires 2 sets per gate



Top roller shown

575007 (Square)

Cantilever Roller Set

- For 2" sq. tube
- Top & Bottom Roller

Requires 2 sets per gate

RUBBER ROLLERS

2-3/8" dia.

RR3

3" Roller

RR6

6" Roller

RR12

12" Roller



NON MARRING RUBBER ROLLERS

2-1/4" dia.

NR3

3" Roller

NR6

6" Roller



NYLON ROLLERS

253-40

10" Side Roller

1 1/4" dia.

2" clearance

Use 2 per gate min.



230-40

Nylon Replacement Roller

1 1/2" dia.

230-30

Nylon Replacement Roller

1 3/16" dia.

ALL DIMENSIONS ARE APPROXIMATE.

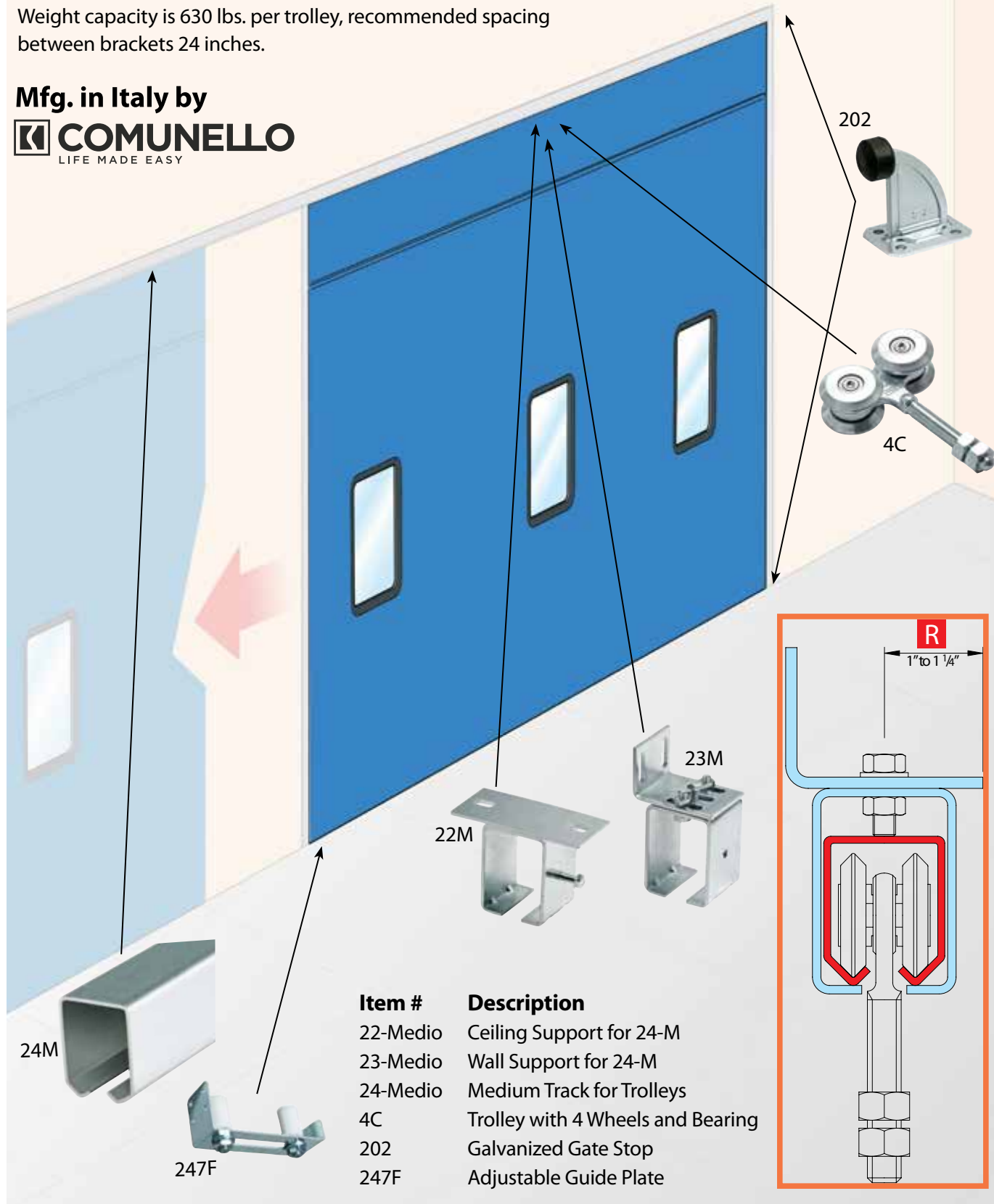
OVERHEAD TRACK SYSTEM FOR SLIDING DOOR

Sliding solution for industrial doors. Trolleys and tracks for upper sliding doors for all applications, even when guides cannot be installed in the floor. The trolleys feature shielded bearings that provide greater load capacity and are quieter than ball bearings. All accessories are galvanized.

Weight capacity is 630 lbs. per trolley, recommended spacing between brackets 24 inches.

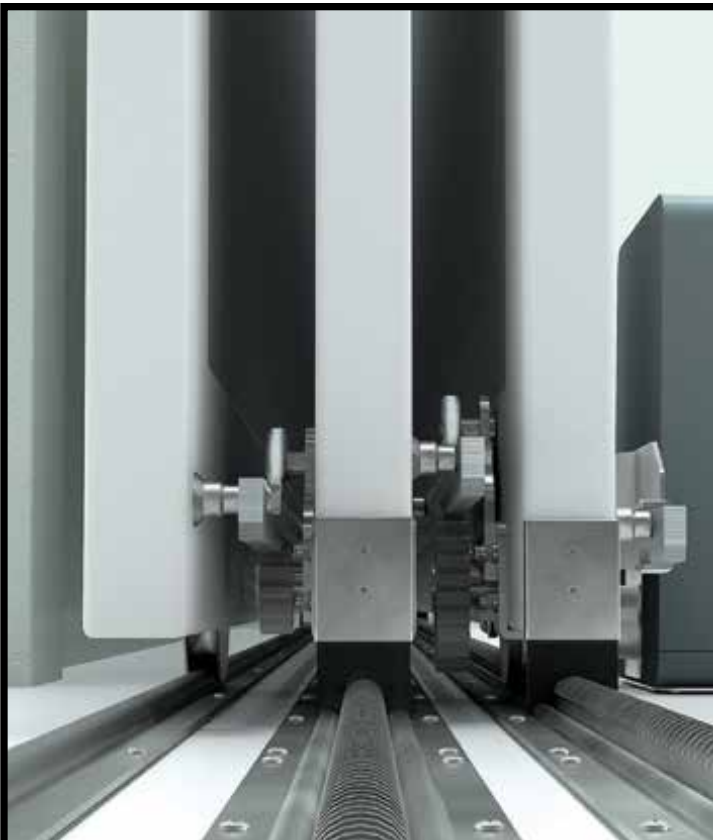
Mfg. in Italy by

COMUNELLO
LIFE MADE EASY



Item #	Description
22-Medio	Ceiling Support for 24-M
23-Medio	Wall Support for 24-M
24-Medio	Medium Track for Trolleys
4C	Trolley with 4 Wheels and Bearing
202	Galvanized Gate Stop
247F	Adjustable Guide Plate

ALL DIMENSIONS ARE APPROXIMATE.



Ranger

The Comunello telescoping gate system.

- Up to 40ft opening requiring only 15ft of space to slide into
- Low maintenance
- Maintains precision
- No unsightly cables

Manufactured by
COMUNELLO
LIFE MADE EASY

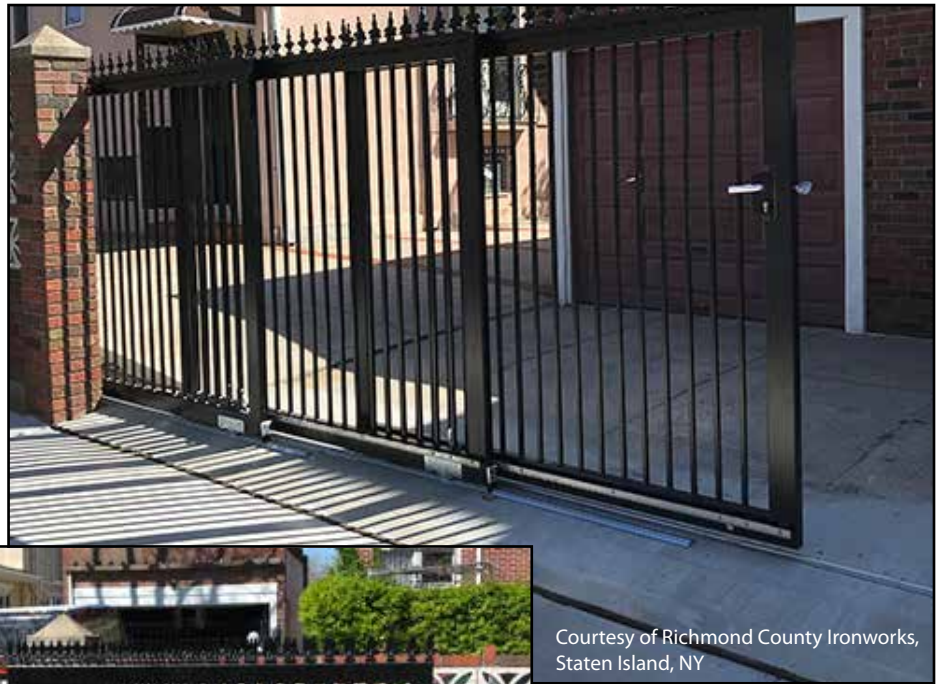
Telescoping
Sliding Gate
Configurator
available at
locks4gates.com

The Ranger telescoping system uses an innovative ground mounted rack track to drive a second leaf from the first. This track transmits movement using a system of hidden pinions that connect to the side gear rack, driving the next leaf. The simplicity of the Ranger system ensures that it is easy to install, performs reliably, and requires little maintenance. No cables are used so there is no stretching and no regular adjustments are needed. The rack track is brushed clean on every opening by the two cleaning brushes installed on the front and back of each gate leaf.



Watch a video for more information.

TELESCOPING SLIDING GATE SYSTEM PROJECTS



Courtesy of Richmond County Ironworks, Staten Island, NY



Watch the
client video



Courtesy of RBJ Welding, Waianae, HI



Watch the
client video

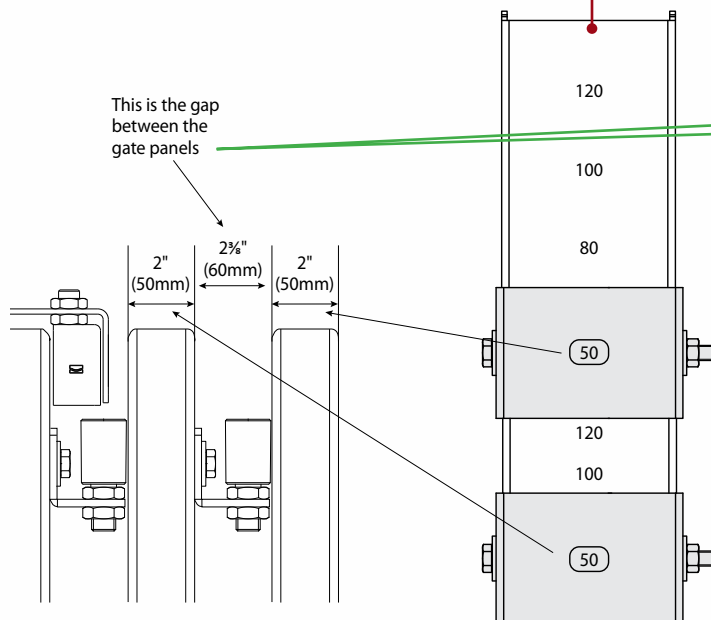
RANGER TELESCOPING SLIDING GATE SYSTEM

Ranger features:

- 2 leaf telescoping system
—Max Gate Leaf 14'4" and 880 lbs.
- 3 leaf telescoping system
—Max Gate Leaf of 14'7" and 440 lbs.
- Durable galvanized and zinc coated steel hardware
- Large gate opening possible for compact spaces
- Precise, high quality, ground-mounted rack driven track system
- Cableless rack and pinion transmission of movement between the leaves

The RG-10P template guide

sets the spacing between the gate panels at 2-3/8" (60mm) for proper spacing alignment for the top guide wheels and drive rack and pinion combination. Set the template guide to 50 for 2" gate profiles as shown. *See page 446 for more information.*



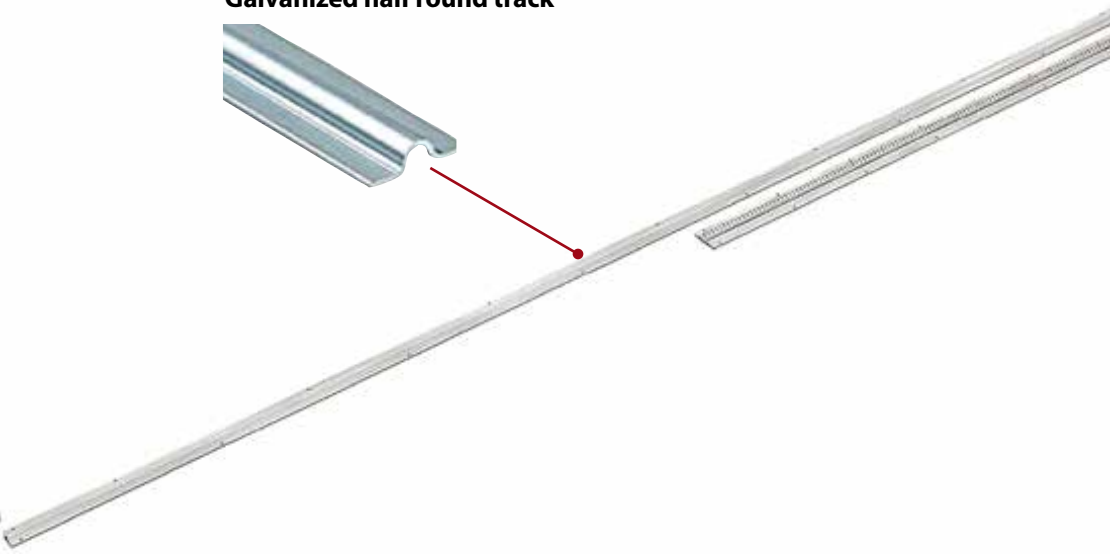
CG-15M
Adjustable
mounting bracket



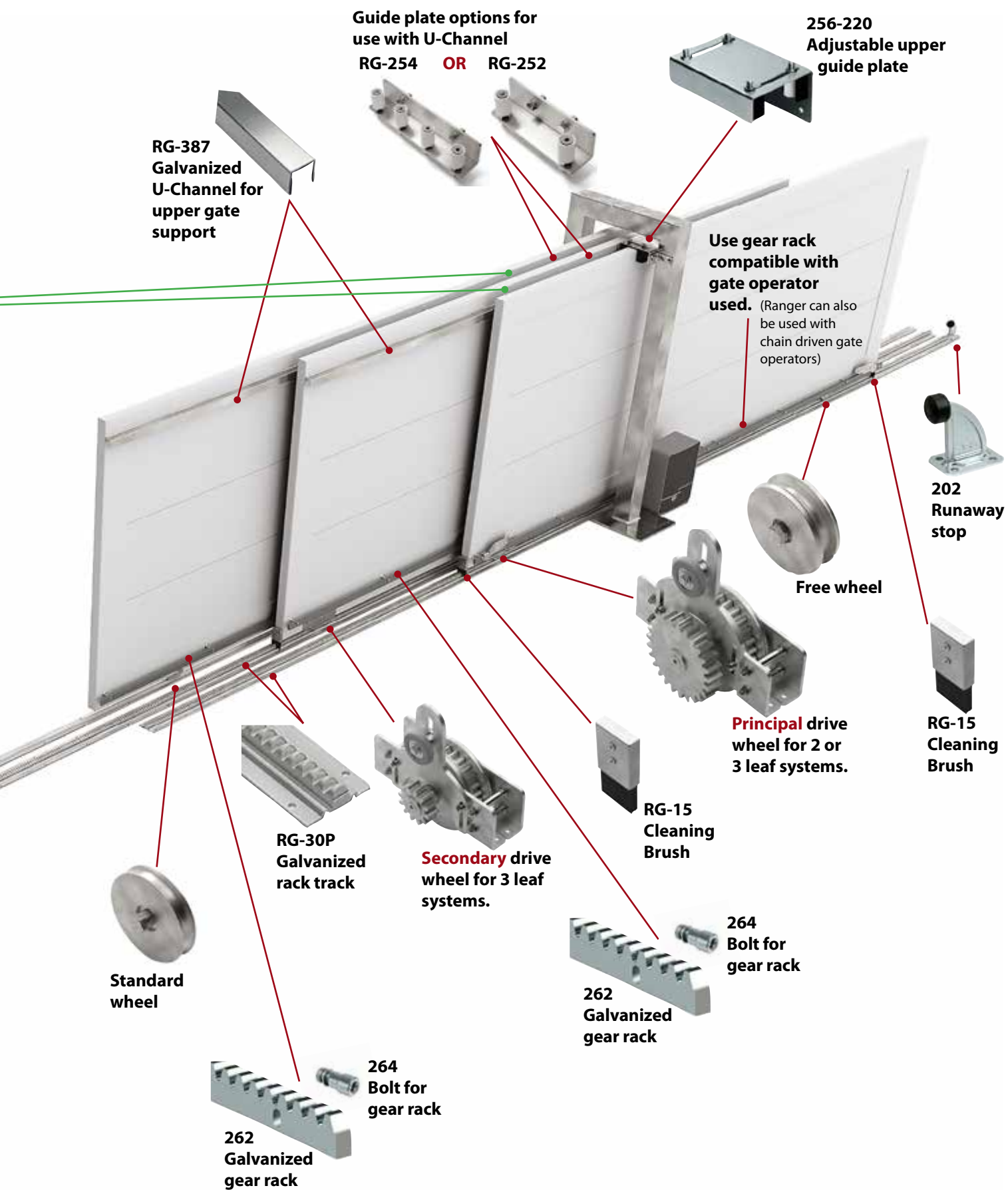
CG-30M
Gate receiver



289G
Galvanized half round track



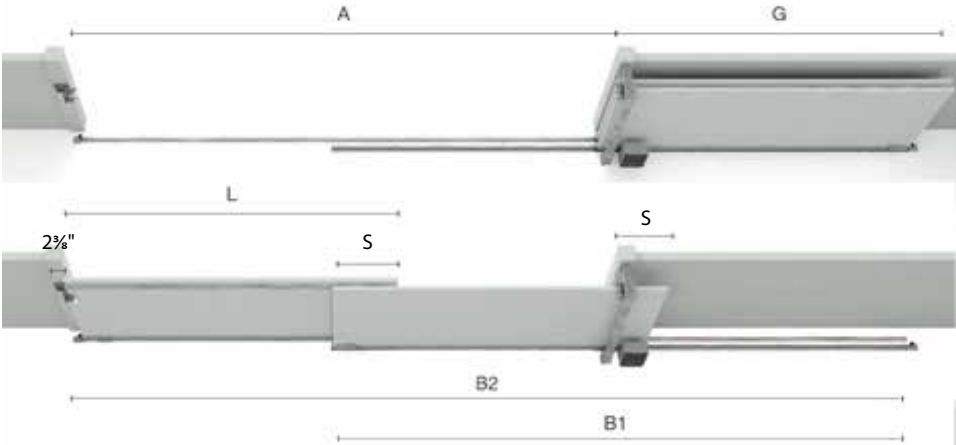
RANGER TELESCOPING SLIDING GATE SYSTEM



Ranger Kit
RG2-120-50

Configurator for
2 leaf gates

- Fits 2" x 4" frame
- 880 pounds per leaf maximum
- 26ft maximum opening



GATE FORMULAS

S = Gate Overlap
Minimum is 14"

Gate Leaf Length
 $L \text{ (in)} = (A + 2.5) \div 2 + S$

Min Space when Open
 $G \text{ (in)} = L + 8$

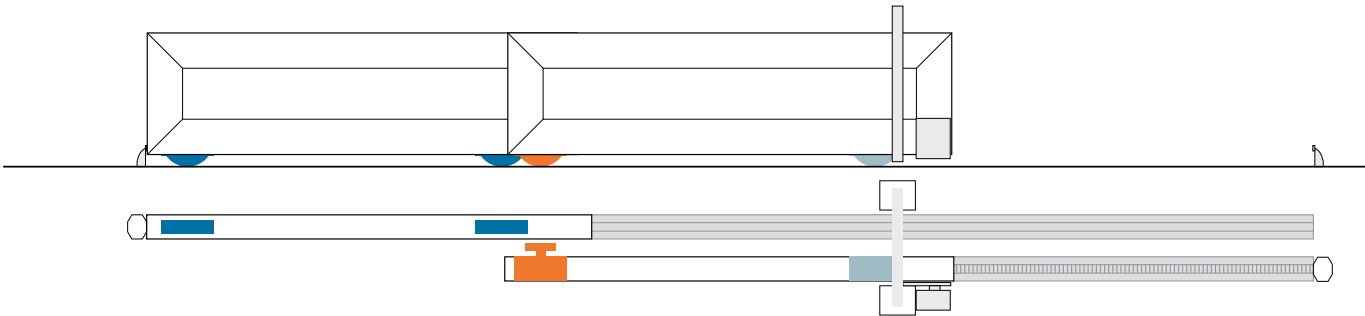
Rack Drive Track Length
 $B1 \text{ (in)} = L \times 2 - S$

Half Round Track Length
 $B2 \text{ (in)} = L \times 3 - (S \times 2)$

Note: The parameters in
BOLD in the formulas
above are inches.

Table is based on the minimum 14" overlap.

Opening Width A (ft)	Gate Leaf Length L (ft)	Minimum Clear Space on Open Side G (ft)	Rack Track Length Item RG-30 B1 (ft)	Half Round Track Length Item 289 B2 (ft)
6	4'4"	5'	7'6"	10'8"
8	5'4"	6'	9'6"	13'9"
10	6'4"	7'	11'6"	16'9"
12	7'4"	8'	13'6"	19'9"
14	8'4"	9'	15'6"	22'9"
16	9'4"	10'	17'6"	25'9"
18	10'4"	11'	19'6"	28'9"
20	11'4"	12'	21'6"	31'9"
22	12'4"	13'	23'6"	34'9"
24	13'4"	14'	25'6"	37'9"
26	14'4"	15'	27'6"	40'9"



2 LEAF KIT		Opening Range: 26ft max • Weight: 880lbs per leaf max	
WHEELS	  	RG2-120-50 1 drive wheel 1 free wheel 2 standard wheels with half-round groove	
TRACK	 RG-30P Galvanized Rack Track 6'6" sections <i>Use table above to calculate track needed by using (B1)</i>	 289G-19.68FT 289G-9.84FT Galvanized Half Round Track <i>Use table above to calculate track needed by using (B2)</i>	 291 Connection Pin
RACK	 262 Galvanized Gear Rack 3'3" sections	 266 Gear rack connection to screw rack to gate	 264 Gear rack connection to weld rack to steel gate <i>(3 connectors are needed per 3'3" section of gear rack)</i>

Ranger Kit RG3-120-50

Configurator for
3 leaf gates

- Fits 2" x 4" frame
- 440 pounds per leaf maximum
- 40ft maximum opening

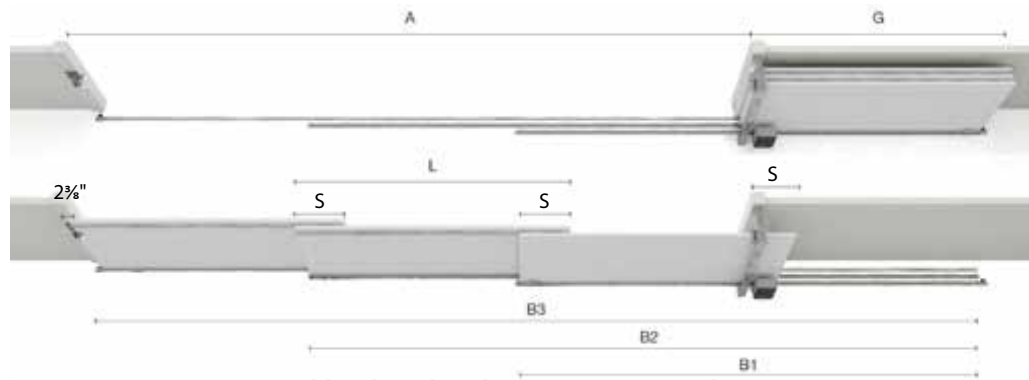
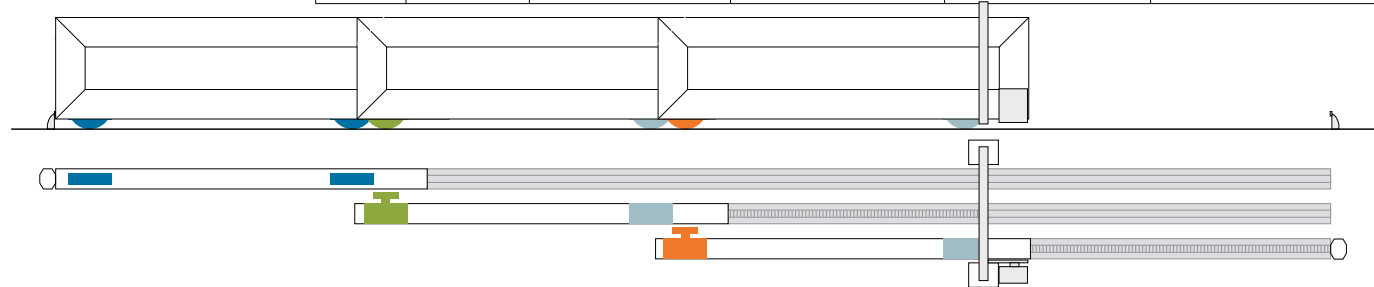


Table is based on the minimum 14" overlap.

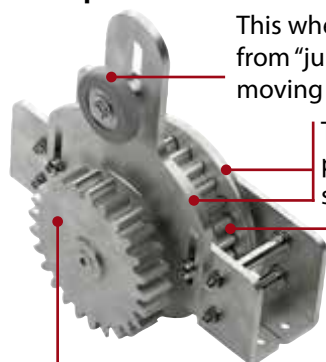
Opening Width A (ft)	Gate Leaf Length L (ft)	Minimum Clear Space on Open Side G (ft)	Rack Track Length Item RG-30 B1 (ft)	Rack Track Length Item RG-30 B2 (ft)	Half Round Track Length Item 289 B3 (ft)
6	3'3"	3'11"	5'4"	7'5"	9'9"
8	3'11"	4'7"	6'8"	9'5"	12'5"
10	4'7"	5'3"	8'	11'5"	15'1"
12	5'3"	5'11"	9'4"	13'5"	17'9"
14	5'11"	6'7"	10'8"	15'5"	20'5"
16	6'7"	7'3"	12'	17'5"	23'1"
18	7'3"	7'11"	13'4"	19'5"	25'9"
20	7'11"	8'7"	14'8"	21'5"	28'5"
22	8'7"	9'3"	16'	23'5"	31'1"
24	9'3"	9'11"	17'4"	25'5"	33'9"
26	9'11"	10'7"	18'8"	27'5"	36'5"
28	10'7"	11'3"	20'	29'5"	39'1"
30	11'3"	11'11"	21'4"	31'5"	41'9"
32	11'11"	12'7"	22'8"	33'5"	44'5"
34	12'7"	13'3"	24'	35'5"	47'1"
36	13'3"	13'11"	25'4"	37'5"	49'9"
38	13'11"	14'7"	26'8"	39'5"	52'5"
40	14'7"	15'3"	28'	41'5"	55'1"



3 LEAF KIT		Opening Range: 40ft max • Weight: 440lbs per leaf max		
WHEELS		    RG3-120-50 1 drive wheel 1 drive wheel with low gear ratio 2 free wheels 2 standard wheels with half-round groove		
TRACK		RG-30P Galvanized Rack Track 6'6" sections <i>Use table above to calculate track needed by adding (B1) and (B2)</i>	289G-19.68FT / 289G-9.84FT Galvanized Half Round Track <i>Use table above to calculate track needed by using (B3)</i>	291 Connection Pin
RACK		262 Galvanized Gear Rack 3'3" sections	266 Gear rack connection to screw rack to gate <i>(3 connectors are needed per 3'3" section of gear rack)</i>	264 Gear rack connection to weld rack to steel gate

KIT COMPONENTS

Principal drive wheel for 2 or 3 leaf systems

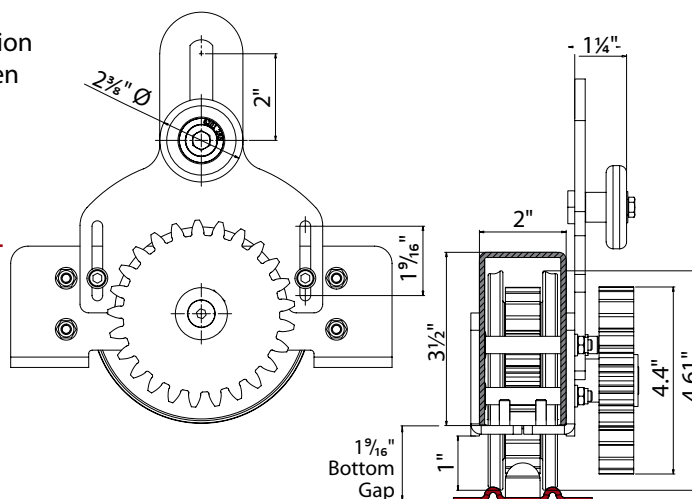


This wheel helps to keep the drive pinion from "jumping" out of the rack rail when moving down the track.

The wheel sits on two external profiles of the rack track for a smoother movement.

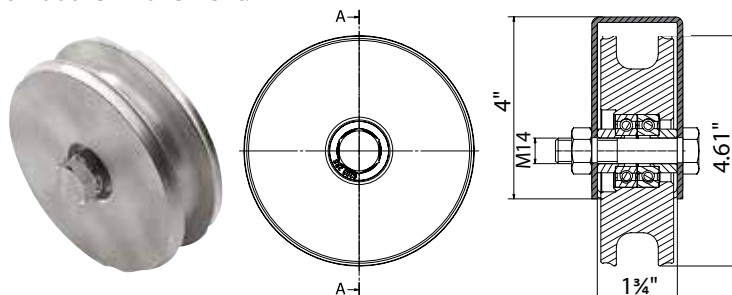
Wheel unit is made up of a principal pinion drive wheel, that when rolling on the rack track, generates the rotation of the external secondary pinion.

The movement via the second external pinion is transmitted to the rack mounted onto the side of the second gate leaf.



Free wheel

The wheel rides on two external profiles of the track for so the gears in the track and pinion do not bind for a smoother movement.

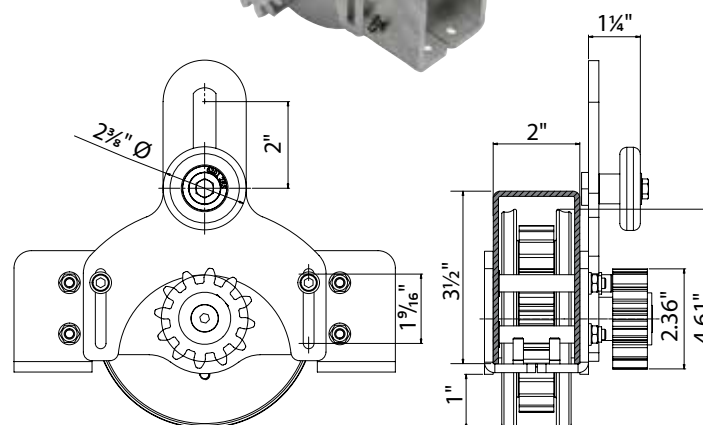


Secondary drive wheel for 3 leaf systems.



Standard wheel with half round groove

The wheel rides on the half round track.



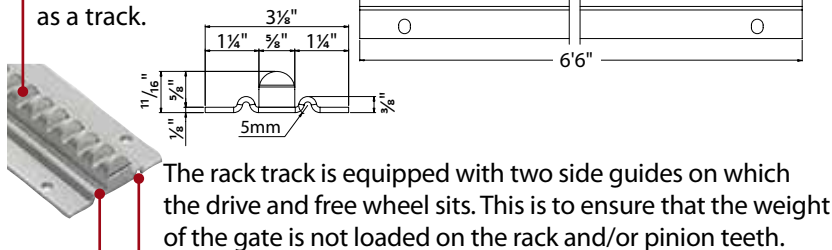
RANGER TELESCOPING SLIDING GATE ACCESSORIES

GROUND TRACK - CONNECTOR PIN - BRUSHES

RG-30P

Galvanized rack track
6'6" sections

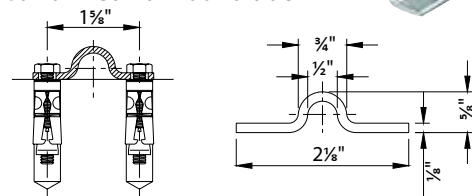
Movement is generated by the ground mounted rack that also functions as a track.



289G-19.68FT

289G-9.84FT

Galvanized half round track



291

Connection Pin



RG-15

Cleaning Brush,
2 per gate.

To be used with
Rack Track
(RG-30P)

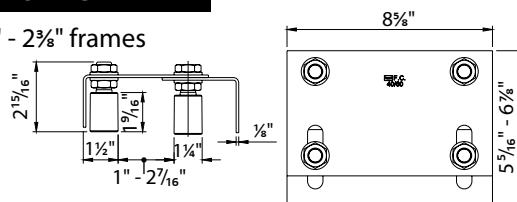
256-220

For up to - 3 3/8" frames



UPPER GUIDES FOR 1ST LEAF

255-220-C - For 1 1/4" - 2 3/8" frames



UPPER GUIDES FOR 2ND & 3RD LEAVES

RG-387-19.68FT

Galvanized 1 1/4" U-Channel, 19'8"

RG-387-9.84FT

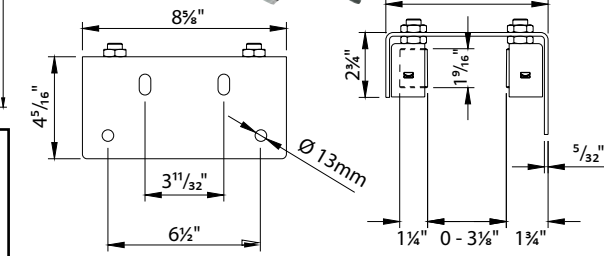
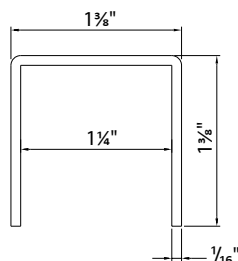
Galvanized 1 1/4" U-Channel, 9'10"

CG-237-20FT

Aluminum 1 1/2" U-Channel, 20'

CG-237-10FT

Aluminum 1 1/2" U-Channel, 10'



RG-254

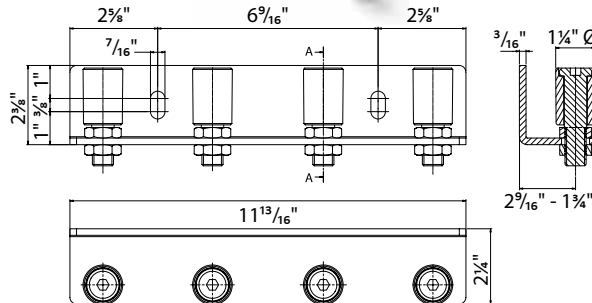
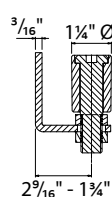
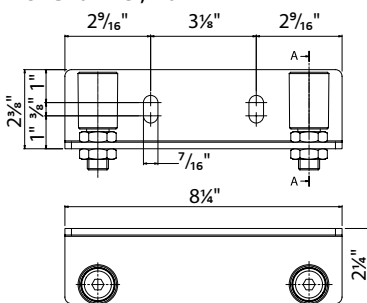
Guide plate
for use with
U-Channel



Comunello recommends this
guide for added stability
with changing wind
speeds and smoother
rolling gates.

RG-252

Guide plate
for use with
U-Channel



RECEIVER BRACKETS



CG-15M

Adjustable
mounting bracket



CG-30M

Gate receiver,
2" - 3" frame



Top cup gate receiver
w/shock absorber

199-50 - 2" ID

199-60 - 2 3/8" ID

GATE STOPS



202

Runaway stop
Mounted via screws



202F-A

Damped runaway
stop. Mounted via
screws.

ADAPTER



CG-58

Drive Shaft Coupling. Use when
connecting a gate operator to the
principal drive wheel.

RANGER TELESCOPING SLIDING GATE ACCESSORIES

GATE AUTOMATION SPEED REDUCTION



RG-40

Ranger speed reduction system

Highly recommended for 3 leaf systems

The RG-40 speed reducer cuts the speed of the first panel by 50%, to reduce the speed of 2 or 3 leaf Ranger telescoping gates. The gear box is mounted to the pad and connected directly to the rack on the first leaf. The motor is then coupled using the CG-58 adapter, directly to the speed reduction system drive shaft. Telescoping systems move twice or three times the speed of single gates, so reducing the speed of the leading edge is critical for safety.



RG-45

Electromechanical limit switch

The RG-45 switches replace the limit switches that come with the gate operator. As the gate operator is moved back from the gate by several inches to fit the RG-40, the typical limit switches may not attach or work easily.

Specs:

- NC Normally Closed contact
- IP 67 Rated Enclosure
- 12/24V DC



INSTALLATION TOOLS

Templates are purchased once and can be reused for subsequent installations.

RG-10P

2 template guide kit for Rack Track installation

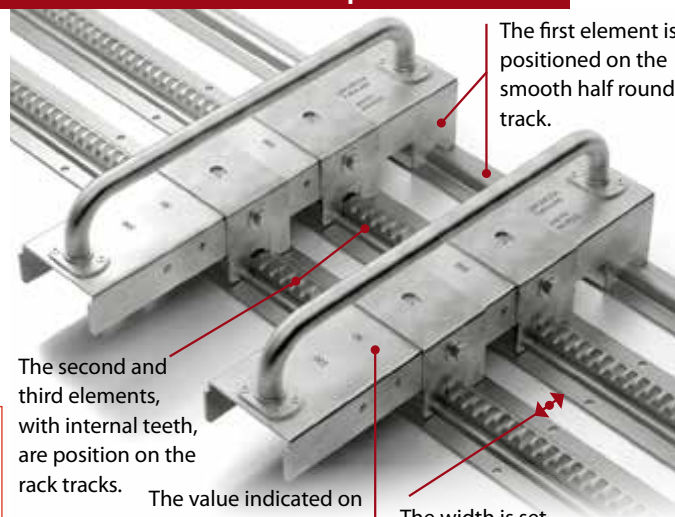
These alignment guide tools ensure a rapid and precise installation of the rack tracks that make up the 2 and 3 leaf telescoping systems. The smooth half round track (#289) is installed first, and is used as the reference for the proper parallel placement and alignment of the rack tracks. The two alignment guide tools are used to maintain the correct spacing between the tracks, according to the gate frame width value selected on the tools. These guides also ensure that the rack teeth are aligned and in sync when connecting additional rack track sections together.

GATE FOOTPRINT:

Two leaf systems take approx. 11" of space

Three leaf systems take approx. 15-1/2" of space

This **template guide** sets the spacing between the gate panels at 2-3/8" (60mm) for proper spacing alignment for the top guide wheels and drive rack and pinion combination. Set the template guide to 50 for 2" gate profiles as shown.



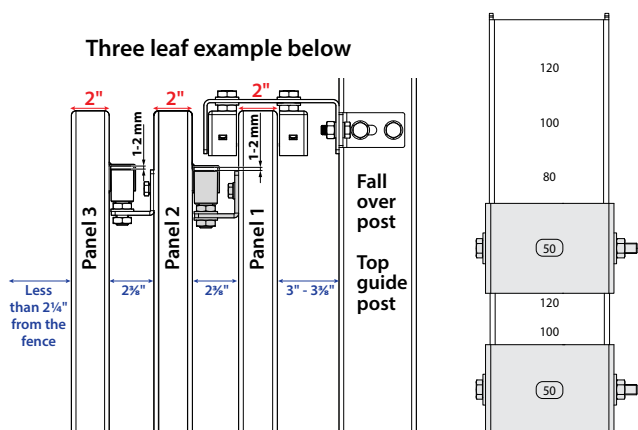
The first element is positioned on the smooth half round track.

The second and third elements, with internal teeth, are position on the rack tracks.

The value indicated on the template indicate the size of the gate frame. Use the setting "50" for 2" wide profiles.

The width is set according to the gate frame size used to construct the gate.

Three leaf example below



The rack track installation templates are used to ensure a precise and parallel alignment of the ground tracks, and can be width-regulated depending on the profile width of the gate frame tubing used in the construction of the gate. When joining two pieces of rack track, the precise position for the teeth can be achieved using the toothed element of the template guide, positioning it directly on the joint where the two pieces of track meet.



RG-20

2 template kit for wheel installation

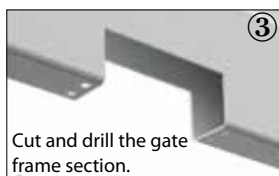
Steps for installing the gate wheels in the frame.



Using the template, mark the area to cut and drill.



The gate frame section is marked and ready to be cut.



Cut and drill the gate frame section.



The drive wheel is recessed into the cutout.



ARCHITECTURAL
IRON DESIGNS, INC.

— YOUR IMAGINATION, FORGED HERE —

GATE AUTOMATION



- 448-449** Swing Gate Typical Components/Requirements
- 450-451** Slide Gate Typical Components/Requirements
- 452-453** DASMA Gate Safety Guide
- 454** Slide Gate Operator Overview
- 455** Swing Gate Operator Overview
- 456** Gate Automation Quote Request Form
- 457** Manufacturer Overview
- 458-459** BFT Slide Gate Operators
- 460-463** BFT Swing Gate Operators
- 464-465** BFT Gate Operator Accessories
- 466** BFT Ecosol Solar-Powered System
- 467-468** FAAC Swing & Slide Gate Operators
- 469** FAAC Gate Operator Accessories
- 470** Rotary Gate Systems Slide Gate Operators
- 471** Rotary Gate Systems Gate Operator Accessories
- 472-474** All-O-Matic Slide Gate Operators
- 475** All-O-Matic Swing Gate Operators
- 476-477** All-O-Matic Gate Operator Accessories
- 478-483** Access Control
- 484** Mounting Posts for Access Control
- 485-487** Driveway Loops & Vehicle Detectors
- 487-488** Safety Edges
- 489-490** Gate Operator Accessories

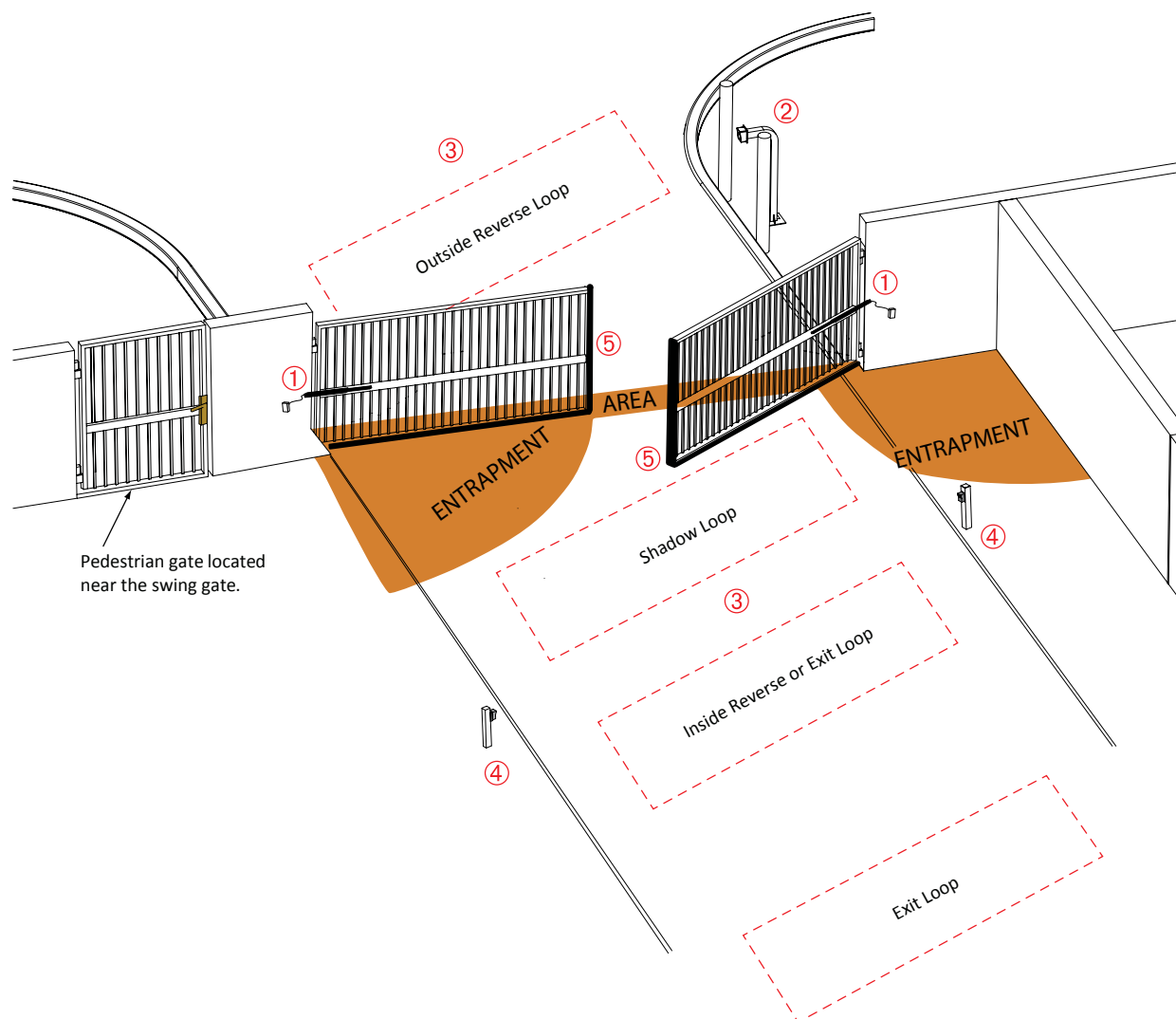
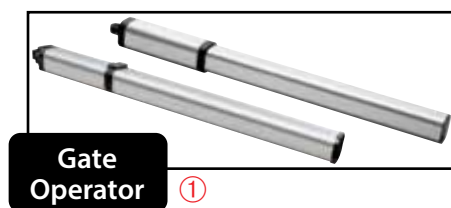


T: 908.757.2323 • F: 908.757.3439
SALES@LOCKS4GATES.COM
LOCKS4GATES.COM

TYPICAL COMPONENTS OF SWING GATE SYSTEM

Example of Swing Gate System

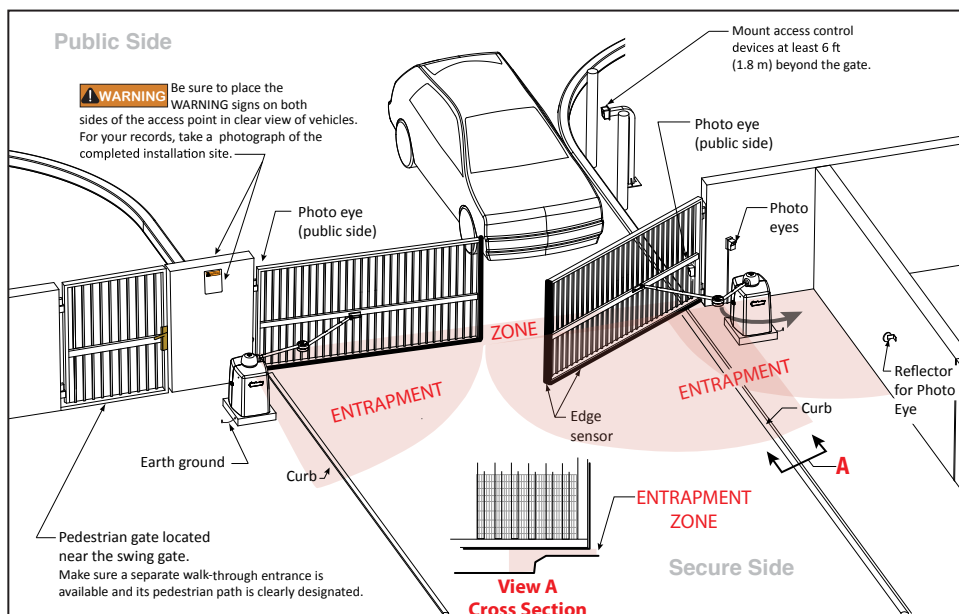
- ① Gate Operator
- ② Digital Keypad or Remote Control
- ③ Driveway Loops/Detectors
- ④ Photocells
- ⑤ Monitored Safety Edges



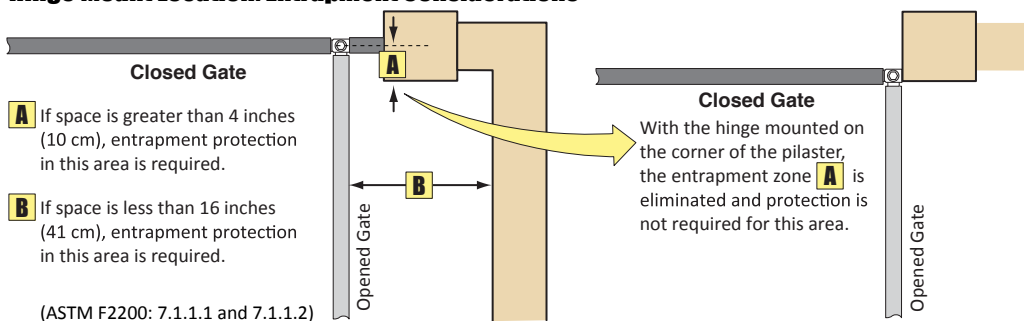
DASMA SWING GATE REQUIREMENTS

SWING GATE REQUIREMENTS

Only install the operator on gates used for vehicular traffic. Be sure to direct pedestrians to a separate entry and exit. Refer to the illustrations. The gate site must be designed so persons do not come in contact with the vehicular gate while it is moving. Signs must be posted to warn pedestrians to stay clear of the gate's entire travel path. A separate pedestrian entry/exit must be clearly visible and promote pedestrian usage.

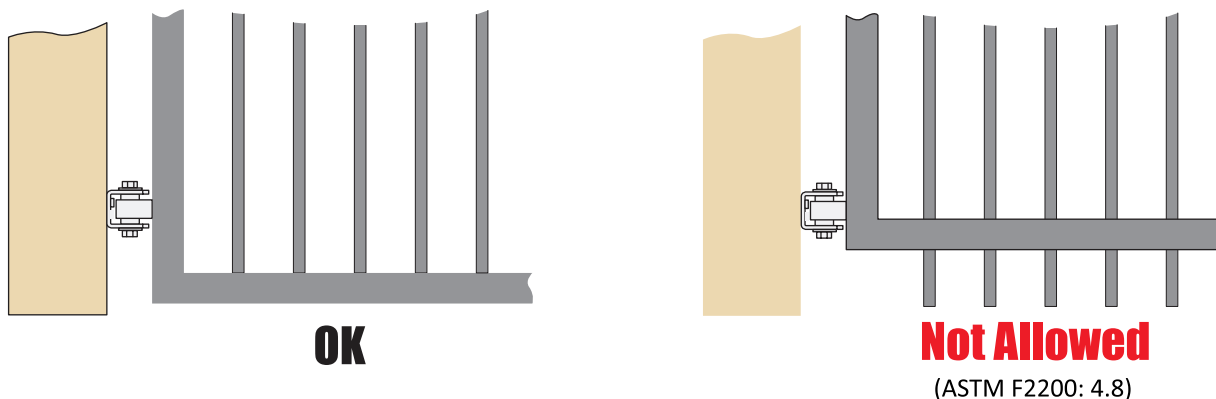


Hinge Mount Location: Entrapment Considerations



BASE OF SWING & SLIDE GATES

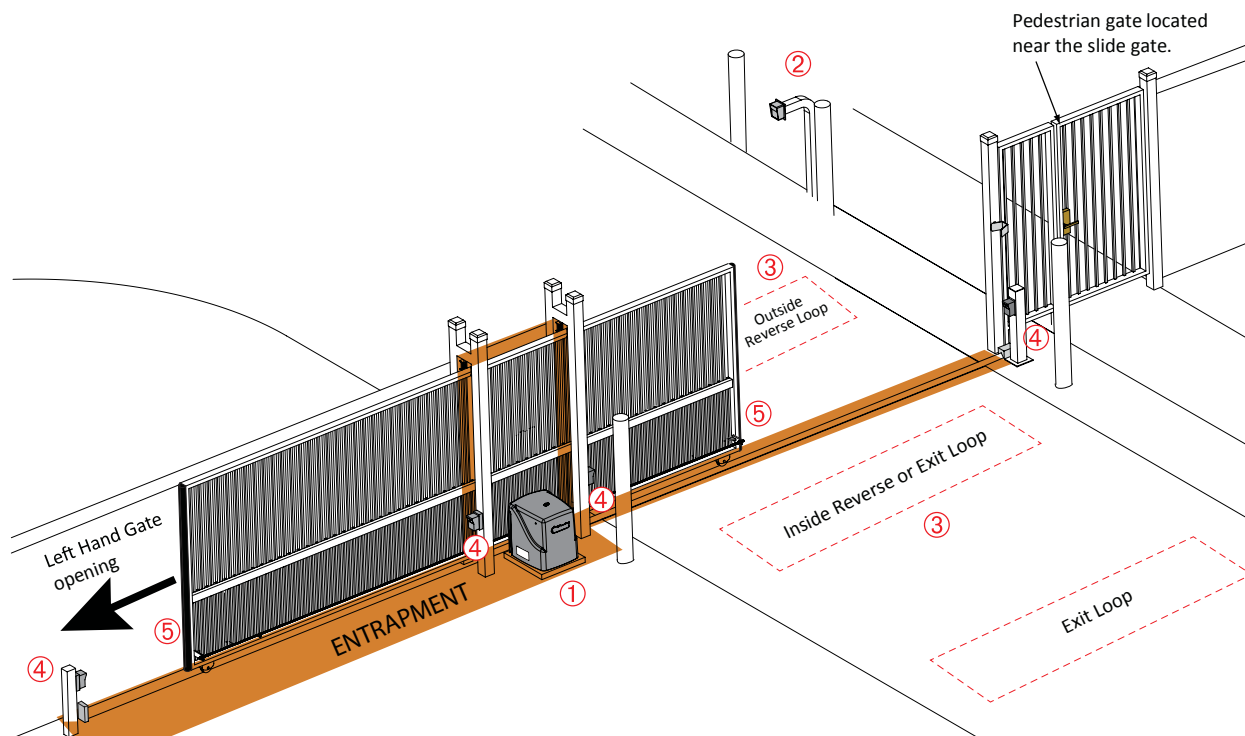
Gates must have smooth bottom edges, no protrusions should exist. If gate hardware or sensors protrude, they must have smooth surfaces free of any sharp cutting edges that do not exceed ½ inch (13 mm) beyond the base of the gate.



TYPICAL COMPONENTS OF SLIDE GATE SYSTEM

Example of Slide Gate System

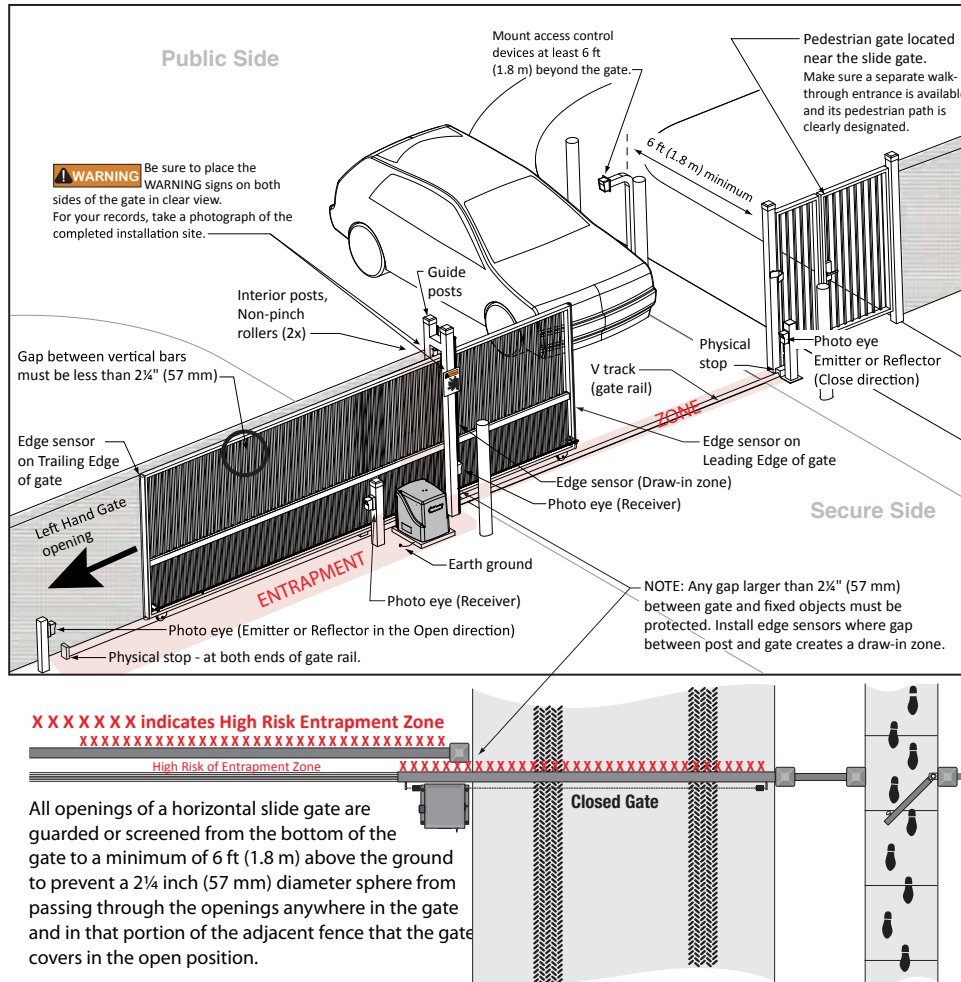
- ① Gate Operator
- ② Digital Keypad or Remote Control
- ③ Driveway Loops/Detectors
- ④ Photocells
- ⑤ Monitored Safety Edges



DASMA SLIDE GATE REQUIREMENTS

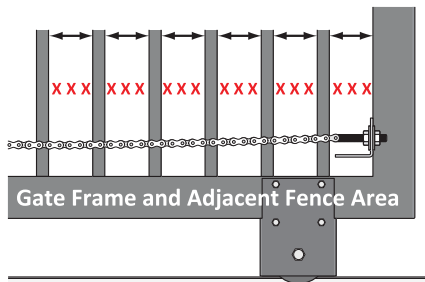
SLIDE GATE REQUIREMENTS

Only install the operator on gates used for vehicular traffic. Be sure to direct pedestrians to a separate entry and exit. Refer to the illustrations. The gate site must be designed so that persons do not come in contact with the vehicular gate while it is moving. Signs must be posted to warn pedestrians to stay clear of the gate's entire travel path. A separate pedestrian entry/exit must be clearly visible and promote pedestrian usage.



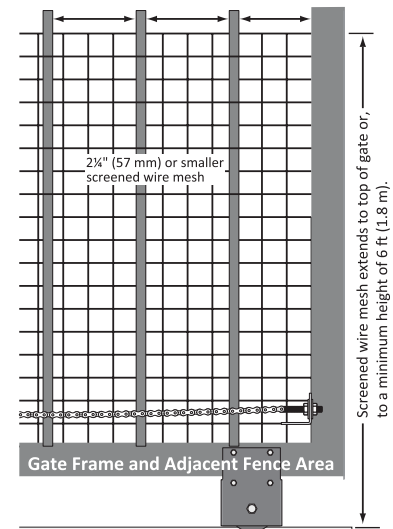
COMPLIANT OPENINGS

Gap (X X X) between vertical bars must be less than 2 1/4 inches (57 mm) up to a height of 6 ft (1.8 m) above grade.



SCREENED WIRE MESH

In the illustration to the right, the gap between vertical bars is non-compliant. It poses a safety hazard if it is wider than 2 1/4 inches (57 mm). A screened wire mesh has been added to comply with ASTM F2200 gate standards.



GATE SYSTEM SAFETY – An Automatic Decision



NOTICE: Beginning January 2016, all external entrapment protection devices must be monitored for presence and correct operation. If a fault occurs, the gate operator will not function unless a continuous pressure activation device is being used.

This brochure, created and supplied by DASMA, will be included with your Automated Vehicular Gate System and provides an overview of safety and general design considerations that should be implemented at your site.

Its purpose is to provide guidance and help familiarize you with gate and gate operator safety standards and requirements. Review this brochure carefully and keep it for reference. If you have any questions, talk to your qualified installer.



BE SAFE

Automated vehicular gate systems provide user convenience and security. However, because these machines can produce high levels of force, it is imperative that you understand how proper site design, installation and maintenance reduce potential hazards associated with gates and automatic gate operators. This brochure highlights industry safety standards and identifies entrapment protection devices that need to be in place to avoid serious injury or death. Before the installer leaves the site, take a few minutes to inspect and test your gate system.

- Make sure your gate operator is grounded.
- Ask the installer where the Emergency Stop Switch is located and cycle the gate once or twice to test it.
- Learn how to turn power ON and OFF and manually open and close the gate.
- Inspect the entrapment protection devices. Ask your installer to perform tests and show you that they are working properly.

A MOVING GATE CAN CAUSE SERIOUS INJURY OR DEATH!

It is the owner's and user's responsibility to be aware of potential hazards associated with an automated vehicular gate system and take appropriate steps to reduce the risk of injury.

Be sure to read the Important Safety Information found in your gate operator's manual as it provides more details and safety considerations than can be supplied in this brochure.

NOTE: The design and construction of automated gates for vehicular traffic must comply with certain safety standards and local codes. The illustrations and callouts in this brochure show the basics for gate system compliance. For reference, UL 325 and ASTM F2200 requirements are called out where applicable.

INSTALLATION & MAINTENANCE

Follow the manufacturer's recommended maintenance schedule and ask your qualified installer about a service agreement.

On a regular basis:

- ☐ Check all entrapment protection devices in accordance with the manufacturer's recommended maintenance schedule.
- ☐ Check that the gate is level. Manually open and close the gate to make sure it travels smoothly. (Refer to the gate operator's manual to learn how to turn off power and move the gate by hand.)
- ☐ Check the gate hardware on a regular basis. Tighten any loose fasteners and replace any worn or damaged parts. A smooth running gate prolongs the life of your gate operator.
- ☐ Before the qualified installer leaves the site, test all features (entrapment protection devices, obstruction sensing features) to make sure the gate stops and reverses upon striking an object.
- ☐ Make sure you receive instructions on all operational functions of the gate operator. Learn how to reset the gate operator, turn off/on power, and manually operate the gate.

MORE INFORMATION

Websites:

DASMA: www.dasma.com

Underwriters Laboratories: www.ul.com

Automated Vehicular Gate Standards, ASTM F2200: www.astm.org

Disclaimer: This brochure cannot cover all possible site situations or compliance issues. Be sure to read your gate operator's manual, follow manufacturer's requirements, and consult with your qualified installer for additional information.

©2015 DASMA
November 24, 2015

BE AWARE

Make sure your gate system is installed and maintained according to the manufacturer's installation instructions. Make sure your installer adheres to UL 325 and ASTM F2200 standards discussed in this brochure and in the Important Safety Instructions found in the operator's manual.

DO

Review the illustrations found in this brochure for more information and safety requirements. Operate your gate system only when all necessary entrapment protection devices are connected and working properly. Examples of these devices include:

- Sensing edges
- Photoelectric sensors (e.g. photo eyes)

Follow ASTM F2200 standard for automated gates. Where applicable, these include the following:

Slide Gates:

- Covers for all exposed weight bearing rollers and pinch points that exist less than 8 feet (2.5 m) above grade.
- Fallover protection to prevent the gate from falling when gate is detached from supporting hardware.
- Physical gate stops to avoid over-travel in both directions.
- Proper adjustment of the inherent sensing system.
- No protrusions along the bottom of the gate.
- Protective screen mesh to guard openings from the gate's base support to a minimum height of 6 feet (1.8 m) above the ground. This must prevent a sphere of 2¼ inches (57 mm) from passing under or through any opening in the gate or adjacent fence (the portion covered in the gate's open position.) Refer to the illustrations.

Swing Gates:

- No protrusions along the bottom of the gate.
- Fallover protection to prevent the gate from falling when gate is detached from supporting hardware.

PRECAUTIONS FOR GATE SYSTEMS

ENTRAPMENT ZONE HAZARDS

Body parts may become entrapped between a gate and a stationary object when the gate begins to move, which can result in serious injury or death. **Make sure pedestrians stay clear of the gate path and areas where gate motion is close to stationary objects.**

PINCH POINT HAZARDS

- In open roller slide gates, severe injury can occur when hands and fingers get caught in the slide gate rollers. Feet can be injured between the bottom of the gate and bottom rollers. **Make sure roller guards are installed to cover these pinch points.**
- A swing gate's opening mechanism may have arms that can overlap with a scissoring effect, which can result in serious injury. **Make sure pedestrians stay clear of the gate path and the opening mechanism, especially when the gate is in motion.**

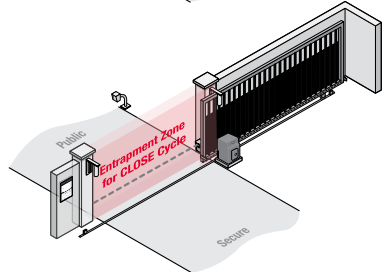
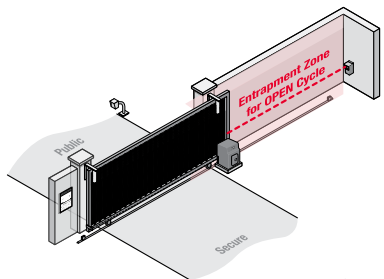
CRUSH HAZARDS

In picket gates, body parts positioned between the bars can become seriously mutilated when the gate begins to move, which can result in serious injury or death. **Make sure openings are covered or screened and gaps are filled to prevent persons from reaching through, and/or passing through, the gate.**

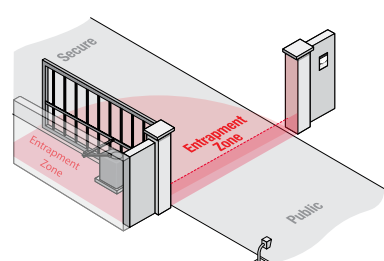
SAFETY CHECKLIST

- Automated gates are for vehicular use only; provide and maintain walkways and signs to direct pedestrians to a separate walk-through entrance.
- Clearly display WARNING SIGNS on both sides of the gate in clear view of vehicles.
- Never let children operate or play with gate controls. Keep all remote controls, especially radio transmitters, away from children. DO NOT allow children to play on or around the gate or gate operator.
- Make sure all access control devices are mounted at least 6 feet (1.8 m) away from any moving parts. Create a safe design where a person need NOT reach over, under, through or around the gate to operate the access controls.

HORIZONTAL SLIDE GATE SYSTEM



SWING GATE SYSTEM



SLIDE GATE OPERATOR SELECTION

SLIDE GATE OPERATORS							
MFG.	MODEL	APPLICATION	WEIGHT CAPACITY	OPENING WIDTH	DRIVE TYPE	POWER	PAGE NO.
	DEIMOS ULTRA	Residential	800 lbs.	75 ft.	Rack/Pinion	24VDC, Battery Backup and Solar Options	458
	ARES 1500 FAST	Residential	1000 lbs.	75 ft.	Rack/Pinon	24VDC, Battery Backup and Solar Options	458
	ARES 1500	Residential/Commercial	2000 lbs.	75 ft.	Rack/Pinion	24VDC, Battery Backup and Solar Options	458
	ICARO FAST	Residential/Commercial	1300 lbs.	100 ft.	Rack/Pinion	110VAC	459
	ICARO Smart	Commercial	2600 lbs.	100 ft.	Rack/Pinion	110VAC	459
	SP3500	Industrial	4000 lbs.	100 ft.	Rack/Pinion	230VAC	459
	844ER	Industrial	4000 lbs.	131 ft.	Rack/Pinion	24VDC	468
	SL-c	Residential/Commercial	1500 lbs.	35 ft.	Rack/Pinion	24VDC, Battery Backup and Solar Options	470
	SL-i	Commercial/Industrial	2500 lbs.	45 ft.	Rack/Pinion	24VDC, Battery Backup and Solar Options	470
	SL-90DC-C	Residential/Commercial	1600 lbs.	50 ft.	Chain	24VDC w/ Battery Backup, Battery Backup Solar Option	472
	SL-90DC-R	Residential/Commercial	1600 lbs.	50 ft.	Rack/Pinion	24VDC w/ Battery Backup, Battery Backup Solar Option	472
	SL-100DC-C	Residential/Commercial	2000 lbs.	50 ft.	Chain	24VDC w/ Battery Backup, Battery Backup Solar Option	473
	SL-100DC-R	Residential/Commercial	2000 lbs.	50 ft.	Rack/Pinion	24VDC w/ Battery Backup, Battery Backup Solar Option	473
	SL-150DC-1/2-C	Commercial/Industrial	3000 lbs.	60 ft.	Chain	24VDC w/ Battery Backup, Battery Backup Solar Option	473
	SL-150DC-1/2-R	Commercial/Industrial	3000 lbs.	60 ft.	Rack/Pinion	24VDC w/ Battery Backup, Battery Backup Solar Option	473
	SL-150DC-1-C	Commercial/Industrial	4000 lbs.	60 ft.	Chain	24VDC w/ Battery Backup, Battery Backup Solar Option	474
	SL-150DC-1-R	Commercial/Industrial	4000 lbs.	60 ft.	Rack/Pinion	24VDC w/ Battery Backup, Battery Backup Solar Option	474
	SL-175DC-C	Commercial/Industrial	8000 lbs.	100 ft.	Chain	24VDC w/ Battery Backup,	474
	SL-175DC-R	Commercial/Industrial	8000 lbs.	100 ft.	Rack/Pinion	24VDC w/ Battery Backup	474

ACCESSORIES

**ACCESS
CONTROL**
Pages
478-483



**LOOPS &
DETECTORS**
Pages
485-487



SWING GATE OPERATOR SELECTION

SWING GATE OPERATORS							
MFG.	MODEL	APPLICATION	WEIGHT CAPACITY	OPENING WIDTH	DRIVE TYPE	POWER	PAGE NO.
	GIUNO	Residential/Commercial	1750 lbs.	17 ft.	Screw Arm	24VDC w/ Battery Backup, Battery Backup Solar Option	460
	KUSTOS	Residential	550 lbs.	16 ft.	Screw Arm	24VDC w/ Battery Backup, Battery Backup Solar Option	461
	LUX	Residential/Commercial	700 lbs.	15 ft.	Hydraulic	110VAC	461
	IGEA	Residential	550 lbs.	10 ft.	Articulating Arm	24VDC w/ Battery Backup, Battery Backup Solar Option	462
	E5 BT A12	Residential	175 lbs.	4 ft.	Articulating Arm	24VDC, Battery Backup Option	462
	E5 BT A18	Residential	220 lbs.	6 ft.	Articulating Arm	24VDC, Battery Backup Option	462
	SUB R	Residential/Commercial	1750 lbs.	12 ft.	Underground Hydraulic	110VAC	463
	SUB BT	Residential/Commercial	1750 lbs.	12 ft.	Underground Hydraulic	24VDC w/ Battery Backup, Battery Backup Solar Option	463
	S418	Residential	500 lbs.	12 ft.	Screw Arm	24VDC w/ Battery Backup	467
	400 CBAC	Residential/Commercial	1300 lbs.	16 ft.	Hydraulic	110VAC	467
	400 CBACR	Residential/Commercial	900 lbs.	12 ft.	Hydraulic	110VAC	467
	S800H	Residential/Commercial	1760 lbs.	13 ft.	Underground Hydraulic	24VDC w/ Battery Backup	468
	SW325	Residential/Commercial	2000 lbs.	22 ft.	Articulating Arm Bottom Drive	24VDC w/ Battery Backup, Solar Option	475
	TORO PRIME	Residential/Commercial	1600 lbs. 600 lbs	8 ft. 18 ft.	Screw Arm	24VDC w/ Battery Backup, Solar Option	475

ACCESSORIES

**SAFETY
EDGES**
Pages
487-488



**SWITCHES,
LOCKS &
TIMERS**
Page 489



GATE AUTOMATION QUOTE REQUEST FORM

Company: _____ Contact: _____ Phone: _____

Email: _____ Job Name: _____

1 GATE TYPE ● Swing Gate ☐ Single ☐ Double ● Bi-Folding Gate ☐ Single ☐ Double ● Slide Gate ☐ Single ☐ Double ☐ Cantilever ☐ Ground Track ☐ Telescoping	2 GATE OPENING WIDTH _____ FT 3 GATE LEAF WEIGHT _____ LBS 4 GATE LEAF HEIGHT _____ FT _____ IN	5 APPLICATION TYPE ☐ Residential ☐ Multi-Occupancy ☐ Commercial ☐ Industrial ☐ Vehicular Gate ☐ Pedestrian Gate	6 SWING GATE DRIVE TYPE ☐ Hydraulic Arm ☐ Electromechanical Arm ☐ Articulating Arm ☐ Underground ☐ Electromechanical Pad Mount ☐ No Preference SLIDE GATE DRIVE TYPE ☐ Rack/Pinion ☐ Chain ☐ No Preference
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7 INTENSITY OF USE ☐ Low up to 10 times daily ☐ Medium up to 100 times daily ☐ High 100+ times daily ☐ Very High 1000+ times daily	8 POWER REQUIREMENTS ☐ 220 VAC ☐ 110 VAC ☐ Battery Backup ☐ Solar
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9 LEVEL OF TECHNICAL SUPPORT REQUIRED ☐ I am a professional/licensed installer ☐ I am a professional gate builder/installer with some automation experience ☐ I am a professional contractor ☐ I am an experienced DIY <i>Note: Gate operator installation requires a range of skills including concrete finishing, welding, low and high voltage electrical knowledge. We recommend using a licensed professional familiar with UL325/ASTM-F2200 safety standards.</i>	10 ADDITIONAL PROJECT NOTES/DETAILS
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CHECK ALL THAT APPLY: (Visit the product page for more information.)

SAFETY ACCESSORIES

(Recommended per UL325 Safety Standards)

- ☐ Photo Eyes (PG. 120)
- ☐ Edge Sensors (PG. 120)

DRIVEWAY LOOPS/DETECTORS

DRIVEWAY REVERSING LOOPS

- ☐ Direct Burial Loops (PG. 120)
Pre-construction paved driveway
- ☐ Saw Cut Loops (PG. 120)
Existing paved driveway
- ☐ Heavy Duty Burial Loops (PG. 120)
Gravel driveway
-
- ☐ Free-Exit Loops (PG. 120)
- ☐ Free-Exit Wand (PG. 120)

ACCESS CONTROL

- ☐ Remote Transmitter (PG. 120)
- ☐ Digital Keypad (PG. 120)
- ☐ Landline Telephone Control (PG. 120)
- ☐ Cellular Control (PG. 120)
- ☐ WIFI Control (PG. 120)
- ☐ Video Integration
- ☐ Vehicle Integration (PG. 120)
- ☐ Open/Close Switch (PG. 120)
- ☐ Exit Button (PG. 120)
-
- ☐ Are you integrating this gate into an existing access control system?

MISC. ACCESSORIES

- ☐ Post for Keypad (PG. 120)
- ☐ Timer (PG. 120)
- ☐ Siren Operated Sensor (PG. 120)
- ☐ Lock Box (PG. 120)
- ☐ Magnetic Lock (PG. 120)
- ☐ Sliding Gate Lock (PG. 120)
 - ☐ Key operated
 - ☐ Mechanical Code Operated

MANUFACTURER OVERVIEW

AIDI offers multiple gate automation options to meet your varied requirements.



BFT Automation

Technology: 'BFT SMART TECHNOLOGY' includes Magnetic limit switches, End-cycle slowdown, Integrated radio receiver, Integrated D-Track self-learning and self-diagnostics, U-link WIFI platform.

Safety: 'BFT SAFE USE' includes In compliance with UL 325-2016 safety standards, Obstruction sensing, Rack drive increases operational safety and security on sliding gates, Keyed manual release.

Features / Overview information

- Small operator profiles and footprints
- Slide units are Rack Drive with ankle height drive output to allow installation on cantilever track
- Low cost to weight capacity ratio
- Made in Italy: Operational instructions written to European standards and norms



FAAC Automation

Technology: Full systems control board, Mechanical limit switches, 433 MHz rolling code technology, Soft stop opening and closing, 4 operating modes.

Safety: FAAC was among the first meet UL standards before the standards were implemented, ETL listed for UL 325 compliance, Anti-crushing safety with a twin-disk oil-bath clutch, Obstruction sensing, Rack drive increases operational safety and security on sliding gates, non-keyed manual release.

Features / Overview information

- Non-reversing operators means no electric locks needed
- Workhorse machines with years of solid performance
- Ankle height drive output allows installation on cantilever track
- Made in Italy: Operational instructions written to European standards and norms



Rotary Gate Systems Automation

Technology: Full systems controller with integrated radio receiver, Mechanical limit switches, Programmable soft start/stop, Inherent reverse sensor, Multiple opening options on power outage.

Safety: UL Listed for Class I, II, III, IV; Obstruction sensing, Rack drive increases operational safety and security on sliding gates, High torque DC motor.

Features / Overview information

- Side mounted rack drive gear reduces accumulation of grit in the drive gear, and reduces ice buildup issues.
- Convenient 110 VAC outlet inside control box
- Made in the U.S.A. with excellent installation manuals & tech support



All-O-Matic Automation

Technology: Full systems controller, Internal limit switches unaffected by ice buildup, Integrated battery backup included, Inherent reverse sensor.

Safety: ETL Listed for UL 325-2018 and UL 991 Compliance, Pre-wired loop detector rack, Obstruction sensing, Rack drive increases operational safety and security on sliding gates, Maintenance free brushless DC motor.

Features / Overview information

- Rack or Chain Drive options available for sliding gates
- Available with either 110VAC or solar power option, or solar can be added to a 110VAC operator
- Rack drive implemented at knee height attaches to gate panel on sliding gates
- Heavy duty operators for large and heavy gates
- Made in the U.S.A. with excellent installation manuals & tech support



DEIMOS SLIDE GATE OPERATOR KIT

Slide Gate Operator for gates up to 800 Lbs and 75 Ft at 8 in/sec

KR925228 00003 DEIMOS ULTRA UL/CSA 120V 60HZ



Deimos Kit contains:

- 1 DEIMOS BT, operator with integrated 433 MHz rolling-code receiver on the control board
- 1 set of reflective photocells
- 1 MITTO 2 two channel remote transmitter



TECHNICAL FEATURES

- > Capacity: Recommended max 800 lbs and 75 Ft (Max rated 1300 lbs)
- > Gate Speed: 8 inches per second
- > Drive: Rack drive at 2" O.C. vertical
- > Motor: 24 VDC
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Dimensions: 11-1/4"H x 10"W x 6-1/2"D
- > Weight: 18 lbs
- > MET Listed for UL, 325, Door, Drapery, Gate, Louver & Window Operator Systems



USAGE

- > Residential Focus
- > HomeLink compatible
- > Duty Cycle: 210 cycles/day
- > Rack drive applications
- > Small footprint
- > Battery backup available
- > Solar option available
- > Warranty 2 years from install date
 - DuraGates Hardware
 - Integrator Drive Hardware
 - Ranger Telescoping Systems
 - V-Groove Hardware



ARES FAST SLIDE GATE OPERATOR

Slide Gate Operator for gates up to 1,000 Lbs and 75 Ft at 8 in/sec

P926192 00001 ARES 1500 FAST ULTRA BT A 120V

ARES SLIDE GATE OPERATOR

Slide Gate Operator for gates up to 2,000 Lbs and 75 Ft at 6 in/sec

P926191 00001 ARES 1500 ULTRA BT A 120V



TECHNICAL FEATURES

- > Capacity: 75 Ft gate: FAST 1,000 lbs (Max rated 1,650 lbs); Std 2,000 lbs (Max rated 3300 lbs)
- > Gate Speed: FAST: 8 in/sec; Std 6 in/sec
- > Drive: Rack drive at 2-9/16" O.C. vertical
- > Motor: 24 VDC
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Dimensions: 11-7/8"H x 10-5/8"W x 7-7/8"D
- > Weight: 20 lbs

USAGE

- > Residential/Commercial Focus
- > HomeLink compatible
- > Duty Cycle: 450 cycles/day
- > Rack drive applications
- > Small footprint
- > Battery backup available
- > Solar option available
- > Warranty 2 years from install date
 - DuraGates Hardware
 - Integrator Drive Hardware
 - Ranger Telescoping Systems
 - V-Groove Hardware

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



ICARO FAST SLIDE GATE OPERATOR

Slide Gate Operator for gates up to 1,300 Lbs and 75 Ft at 8 in/sec

P925237 00001 ICARO FAST ULTRA AC V 120V

ICARO SLIDE GATE OPERATOR

Slide Gate Operator for gates up to 2,600 lbs and 75 Ft at 6 in/sec

P925238 00001 ICARO ULTRA AC V 120V

TECHNICAL FEATURES

- > Capacity: 75 Ft gate: FAST 1,300 lbs (Max rated 2,200 lbs);
Std 2,600 lbs (Max rated 4,400 lbs)
- > Gate Speed: FAST: 8 in/sec; Std 6 in/sec
- > Motor: 120 VAC
- > Drive: Rack drive at 2-9/16" O.C. vertical
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Dimensions: 14-3/4"H x 10-1/4"W x 10-1/4"D
- > Weight: 60 lbs

USAGE

- > Residential/Commercial Focus
- > HomeLink compatible
- > Duty Cycle: 450 cycles/day
- > Rack drive applications
- > Small footprint w/steel case
- > Warranty 2 years from install date
 - DuraGates Hardware
 - Integrator Drive Hardware
 - Ranger Telescoping Systems
 - V-Groove Hardware



SP3500 SLIDE GATE OPERATOR

Industrial Slide Gate Operator for gates up to 4,000 Lbs and 100 Ft at 6-1/2 in/sec

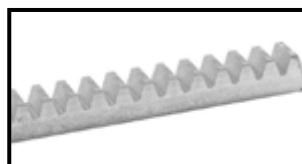
P925207 00002 SP3500

TECHNICAL FEATURES

- > Capacity: 4,000 Lbs and 100 Ft gate (Max rated 7,500 lbs)
- > Gate Speed: 6-1/2 in/sec
- > Motor: AC motor
- > Hydrodynamic gear for smooth gate starts & stops
- > Drive: Rack drive appx 6-13/16" from base of operator.
- > Power Supply: 230 VAC, 60 Hz, Three Phase
- > Radio Controls: Optional
- > Dimensions: 22-3/8"H x 18"W x 9-7/8"D
- > Weight: 130 lbs

USAGE

- > HD Industrial Focus
- > Duty Cycle: 500 cycles/day
- > Rack drive applications
- > Large footprint
- > Warranty 2 years from install date
 - DuraGates Hardware
 - Ranger Telescoping Systems



D571491 - CFZ6

30mm x 30mm, 6mm-pitch galvanized adjustable steel rack 6' 6" length.



P125015-basp

Adjustable anchoring base

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



GIUNO SWING GATE OPERATOR

Hydraulic operator for swing gates up to 1,760 Lbs and 17 Ft

GIUNO ULTRA BT A50 UL



TECHNICAL FEATURES

- > Capacity: 1760 lbs and 17 Ft
- > Cycle Time: 20 seconds
- > Motor: 24 VDC
- > Drive: Hydraulic
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Weight: 35 lbs
- > MET Listed for UL, 325, Door, Drapery, Gate, Louver & Window Operator Systems
- > BFT Easy Set app to help with the installation geometry on new swing gates.

USAGE

- > Residential or Commercial Focus
- > Duty Cycle: 875 cycles/day
- > Small footprint
- > Battery backup available
- > Solar option available
- > Warranty 2 years from install date

GIUNO KITS - Standard Kits include Thalia control board w/integrated receiver, 10" x 12" fiberglass enclosure, 2 remotes

KGIUNOULA50S-SE

SINGLE GIUNO ULTRA BT A50 Operator, 10ft of wire, 1 polarized reflective photocell (KIRPOLAPHOT001)

KGIUNOULA50D-SE

DUAL GIUNO ULTRA BT A50 Operators, 35ft of wire, 1 polarized thru-beam Compacta photocell

GIUNO KITS - Battery Backup Kits includes Thalia control board w/integrated receiver, 12" x 14" fiberglass enclosure w/115V Outlet, 2-9AH batteries, 2 remotes

KGIUNOULA50S-LE

SINGLE GIUNO ULTRA BT A50 Operator, 10ft of wire, 1 polarized reflective photocell (KIRPOLAPHOT001)

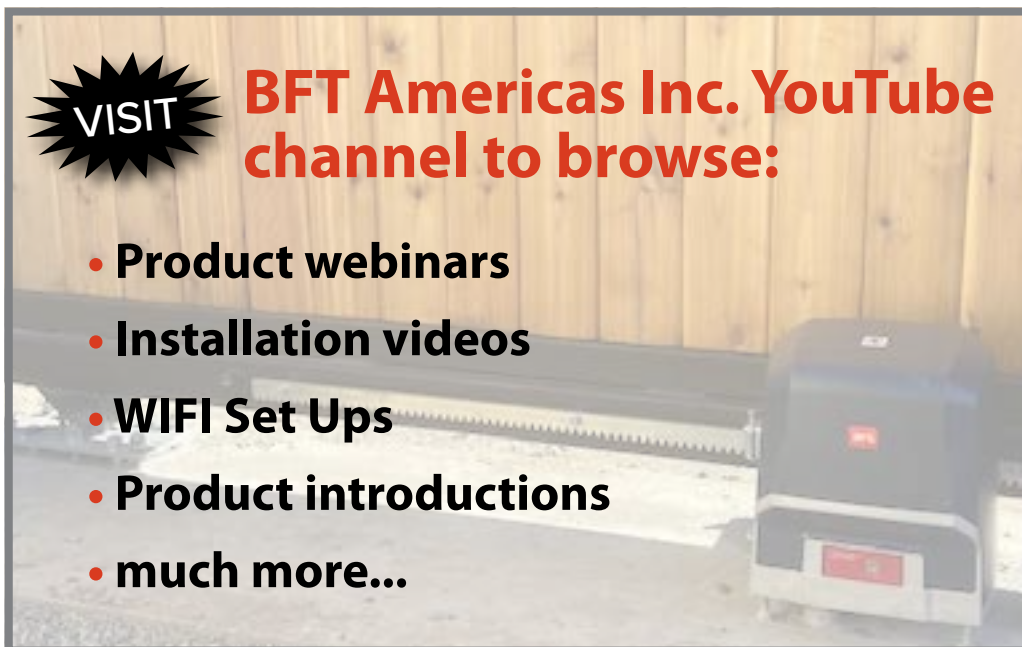
KGIUNOULA50D-LE

DUAL GIUNO ULTRA BT A50 Operators, 35ft of wire, 1 polarized thru-beam Compacta photocell



BFT Americas Inc. YouTube channel to browse:

- Product webinars
- Installation videos
- WIFI Set Ups
- Product introductions
- much more...



Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



KUSTOS SWING GATE OPERATOR

Electromechanical automation for swing gates up to 550 Lbs and 16 Ft

KUSTOS ULTRA BT UL A40



TECHNICAL FEATURES

- > Capacity: 550 lbs and 16 Ft
- > Cycle Time: 17 seconds
- > Motor: 24 VDC
- > Drive: Screw Drive
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Dimensions: 4-3/4"H x 4-3/8"W x 47-5/8"L
- > Weight: Arm: 33 lbs; Control box: 20 lbs
- > MET Listed for UL, 325, Door, Drapery, Gate, Louver & Window Operator Systems
- > BFT Easy Set app to help with the installation geometry on new swing gates.

USAGE

- > Residential Focus
- > Duty Cycle: 410 cycles/day
- > Small footprint
- > Battery backup available
- > Solar option available
- > Warranty 2 years from install date

KUSTOS UL KITS - Standard Kits include Thalia control board w/integrated receiver, 10" x 12" fiberglass enclosure, 2 Mittos remotes, 1 thru-beam COMPACTA photocell

KR935317 00004

SINGLE KUSTOS operator, Controller, 6 ft install cable

KR935317 00005

DUAL KUSTOS operators, One Controller, 35 ft install cable

KUSTOS UL KITS - Battery Backup Kits includes Thalia control board w/integrated receiver, 12" x 14" fiberglass enclosure w/115V Outlet, 2-9AH batteries, 2 Mittos remotes, 1 thru-beam COMPACTA photocell

KLEBR93531704

SINGLE KUSTOS operator, Controller, 6 ft of install cable

KLEBR93531705

DUAL KUSTOS operators, One Controller, 35 ft of install cable



LUX SWING GATE OPERATOR

Hydraulic operator for swing gates up to 700 Lbs and 15 Ft

P935014 00010 LUX GV 2B UL

SMART TECHNOLOGY FEATURES

- > Integrated rolling code radio receiver
- > Control unit with D-Track self-learning and self-diagnostic functions
- > Control unit compatible with the U-link WIFI platform
- > Contains obstruction sensing device

TECHNICAL FEATURES

- > Capacity: 700 lbs and 15 Ft
- > Cycle Time: 17 seconds
- > Motor: 120 VAC
- > Drive: Hydraulic
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Dimensions: 3-1/4"H x 3-1/4"W x 51"L
- > Weight: 19 lbs
- > MET Listed for UL, 325, Door, Drapery, Gate, Louver & Window Operator Systems
- > BFT Easy Set app to help with the installation geometry on new swing gates.
- > Mechanical Limit Switches
- > Requires Positive Stops



USAGE

- > Heavy Duty operator with Commercial & Industrial Focus
- > Duty Cycle: 500 cycles/day
- > Small footprint
- > Warranty 2 years from install date

Lux operators are sold a la carte.
One or two actuators, a controller, and accessories as needed.

The Rigel 6 controller boards include a built-in receiver, 24/7 timer, power outlet, and test button.



RIGEL6UL-SE Controller

Standard 10" x 12" Fiberglass enclosure, pre-wired, 120V, w/Rigel 6 board



RIGEL6UL-LE Controller

Larger 16" x 18" Fiberglass enclosure, pre-wired, 120V, w/Rigel 6 board, pre-wired for loop detectors

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



IGEA SWING GATE OPERATOR

Electromechanical operator for column mounted swing gates
up to 550 Lbs and 10 Ft

IGEA BT UL

TECHNICAL FEATURES

- > Capacity: 550 lbs and 10 Ft
- > Cycle Time: 15 seconds
- > Motor: 24 VDC
- > Drive: Column mounted articulated arm
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Weight: 35 lbs
- > MET Listed for UL, 325, Door, Drapery, Gate, Louver & Window Operator Systems
- > Mechanical Limit Switches

USAGE

- > Residential Focus
- > Column or Post Mounted
- > Designed for easy & simple installation
- > Duty Cycle: 100 cycles/day
- > Small footprint
- > Battery backup available
- > Solar option available
- > Warranty 2 years from install date



IGEA Standard Kits include Thalia control board w/ integrated receiver, 10" x 12" fiberglass enclosure, 2 Mittos remotes

KIGEAL-S-SE

SINGLE IGEA BT Operator, Controller, 10ft of wire, 1 polarized reflective photocell (KIRPOLAPHOT001)

KIGEAL-D-SE

DUAL IGEA BT Operators, One Controller, 35ft of wire, 1 polarized thru-beam Compacta photocell

IGEA Battery Backup Kits includes Thalia control board w/ integrated receiver, 12" x 14" fiberglass enclosure w/115V Outlet, 2-9AH batteries, 2 Mittos remotes

KIGEAL-S-LE

SINGLE IGEA BT Operator, Controller, 10ft of wire, 1 polarized reflective photocell (KIRPOLAPHOT001)

KIGEAL-D-LE

DUAL IGEA BT Operators, One Controller, 35ft of wire, 1 polarized thru-beam Compacta photocell



E5 Swing Gate Operator

Electromechanical operator for column mounted swing gates up to 220 Lbs and 6 Ft

P930027 00003 E5 BT A12
up to 175 Lbs and 4 Ft

P930027 00001 E5 BT A18
up to 220 Lbs and 6 Ft

TECHNICAL FEATURES

- > Capacity: 175 lbs and 4 Ft / 220 lbs and 6 Ft
- > Cycle Time: 4.5 - 6.5 seconds / 14 seconds
- > Motor: 24 VDC
- > Drive: Column mounted articulated arm
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Weight: 20 lbs
- > Mechanical Limit Switches

USAGE

- > Residential Focus
- > Pedestrian gates or doors
- > Unique Push & Go function allows the gate to be opened by a simple push of the hand
- > Non-Locking - Mag lock recommended
- > Duty Cycle: 110 cycles/day
- > Small footprint
- > Battery backup available
- > Solar option available
- > Optional sliding arm available for constraints such as walls and obstacles
- > Warranty 2 years from install date

E5 operators are sold a la carte. One or two actuators, a controller, and accessories as needed.



KTHALIAUL-SE Controller

Thalia control board w/ integrated receiver, 10" x 12" fiberglass enclosure, pre-wired.



KTHALIAUL-LEB Controller

Thalia control board w/ integrated receiver, 12" x 14" fiberglass enclosure, pre-wired. Includes battery backup with (2) 12V, 9AH batteries, 110V outlet.



Includes Articulated Arm (N734921)

N735057

Sliding Arm for E5 BT A12

Used for restricted space applications.

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



SUB UNDERGROUND SWING GATE OPERATOR

Underground hydraulic operator for swing gates up to 1,750 Lbs and 12 Ft

SUB UL

TECHNICAL FEATURES

- > Capacity: 1750 lbs and 12 Ft
- > Cycle Time: 14 seconds
- > Motor: 24 VDC & 110VAC options
- > Drive: Hydraulic
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code (integrated)
- > Weight: 58 lbs

USAGE

- > Residential Focus
- > Duty Cycle: 500 cycles/day
- > In ground installation eliminates footprint
- > Battery backup & Solar available on 24VDC model
- > Warranty 2 years from install date



**SUB operators
are sold a la carte.**

SUB R 120V UL In Ground Operator

- 120VAC Motor, w/slowdown
- No battery backup
- MET Listed for UL325

P930012 00007 SUB R UL/CSA DX

Motor on **right hand side** of driveway from inside the property.

P930012 00008 SUB R UL/CSA SX

Motor on **left hand side** of driveway from inside the property.

Controller Options

The Rigel 6 controller boards include a built-in receiver, 24/7 timer, power outlet, and test button.



RIGEL6UL-SE Controller

Standard 10" x 12" Fiberglass enclosure, pre-wired, 120V, w/Rigel 6 board



RIGEL6UL-LE Controller

Larger 16" x 18" Fiberglass enclosure, pre-wired, 120V, w/Rigel 6 board, pre-wired for loop detectors

Foundation Boxes

Bearing Foundation Cases allow maintenance to be carried out without disassembling the gate.



N733066 00001 - CPS DX (Right Hand)

N733066 00002 - CPS SX (Left Hand)

SUB BT 24V In Ground Operator

- 24VDC Motor, no slowdown
- Battery backup option
- **Not UL Compliant**

P930123 00001 SUB BT 2B

Operator can be used for **both left and right hand installations**

Controller Options



KTHALIAUL-SE Controller

Thalia control board w/ integrated receiver, 10" x 12" fiberglass enclosure, pre-wired.



KTHALIAUL-LEB Controller

Thalia control board w/ integrated receiver, 12" x 14" fiberglass enclosure, pre-wired. Includes battery backup with (2) 12V, 9AH batteries, 110V outlet.

Foundation Box

Bearing Foundation Cases allow maintenance to be carried out without disassembling the gate.



N733480 00001 - FCS BOX

Used for right or left hand installations

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

TRANSMITTERS & RECEIVERS



D111904 - MITTO 2 12V

12V Two channel
433Mhz rolling code
remote control.



D113674 00001 - CLONIX 2E

This external two-channel
receiver can be programmed
to work with 128 remote
controls.



KHLKIT - Homelink Kit

Use this Homelink Kit to eliminate
the number of remote controls
needed to open a gate and a
garage door. This kit will allow for
easy set up of one remote for both
your gate and garage door.

Kit contains one receiver and one transmitter.



P121024-Q-BOX

Digital Keypad

- 10 channels
- 100 combinations
- Backlit

A wireless digital keypad with 10 channels that can store 100 4-7 digit entry codes. A built in sensor detects low lighting conditions and activates the keypads built-in backlight.



P111494 - B EBA WIFI Gateway

The B-eba Wi-Fi expansion card
connects to the web the device
where it is installed, via wi-fi
protocol. Through the U-control

management app, the B-eba card is registered on the home wi-fi network and thus allows the operator to be remotely managed. All U-Link protocol compatible BFT devices can be managed with U-control, whether they are operators, central units or receivers; therefore also automation devices by other brands can be remotely controlled. The U-control app is free and available for Android and IOS smartphones.

PHOTOCELLS

KIRREFLPHOT01UL

This polarized reflective
photocell has a sensing range
of 33 ft. This photocell has a wrap
around mounting bracket. Hood
included.



P111043 00002

A wired flat through-beam photocell
receiver/transmitter set for external
applications. This set has a range up
to 100 ft (30m) and runs on a 24V
power supply.

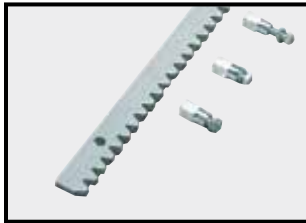


P111782 (COMPACTA A20-180)

This through-beam
photocell is self-aligning
and has a range of 65 ft.



GEAR RACK



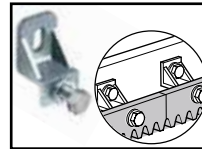
D571053 - CVZ

30mm x 12mm, 4mm-pitch galvanized adjustable steel rack 3' 3" length.



D221073-CP

22mm x 22mm, 4mm-pitch plastic coated rack with adjustment slots. 3' 3" length.



266

Threaded gear rack connection. (3 connectors are needed per 3'3" gear rack.)

BATTERY BACKUPS



P125035- SL BAT2

24VDC battery backup system for the DEIMOS and ARES 1500 it includes a charger board that activates the batteries when the power is off and charges the batteries when the power is on.



P125020

Battery backup system for Thalia control boards. This system plugs directly into the board.

SOLAR POWER

For more information on ECOSOL see page 466



KED113731H - ECOSOL KIT for DEIMOS and ARES

Interface control board, solar panel and 15' of panel cable for running BFT control panels off 24V solar power.



KETHALIA32U - ECOSOL KIT for KUSTOS and IGEA

KITS CONTAINS: 12" x 14" fiberglass enclosure w/pre-wired Thalia control board, 2-9AH batteries, 10W solar panel and 15' panel cable.

LOOP DETECTOR

DSP-7

- Designed to be cross talk free between other loops
- Automatically compensates for loop and lead-in sizes
- Switchless, self-adapting to most common installations
- Plug and play; Connect it up and watch it work
- Small profile, perfect for many installations
- Fail safe operation
- Wide low-voltage operation



MORE ACCESSORIES

Access Control	478-483
Mounting Posts	484
Driveway Loops	485-487
Vehicle Detectors	487
Safety Edges	487-488
Switches	490
Timers	490
Emergency Sensor	490
Knox Box	490



ECOSOL

SOLAR POWERED SYSTEM FOR USE WITH **DEIMOS & ARES SLIDE GATE OPERATORS** AND **KUSTOS & IGEA SWING GATE OPERATORS**

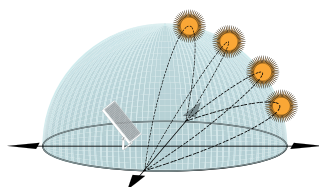


KED113731H - ECOSOL KIT for DEIMOS and ARES
Interface control board, solar panel and 15' of panel cable for running BFT control panels off 24V solar power.

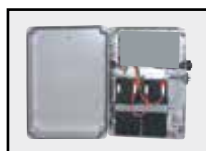
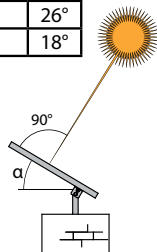


KETHALIA32U - ECOSOL KIT for KUSTOS and IGEA
KITS CONTAINS: 12" x 14" fiberglass enclosure w/pre-wired Thalia control board, 2-9AH batteries, 10W solar panel and 15' panel cable.

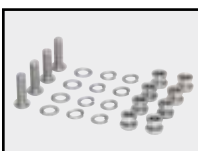
$\alpha > 10^\circ$
 α = angle/latitude



Cities	α
Seattle (WA)	47°
New York (NY)	41°
San Francisco (CA)	38°
Atlanta (GA)	34°
Los Angeles (CA)	34°
Phoenix (AZ)	33°
Dallas (TX)	33°
Houston (TX)	30°
Miami (FL)	26°
San Juan (PR)	18°



D113732 - ECOSOL DOUBLE
Battery capacity expansion for ECOSOL BOX. Includes two 12V 7.2Ah batteries.



N999475 - ECOSOL SECURITY
Anti-tamper stainless steel screws Kit for ECOSOL PANEL and ECOSOL POST BR.



N999473 - ECOSOL POST BR
Stainless steel bracket and screws Kit for mounting ECOSOL solar panel on round post 2" to 4" diameter or square post 3" side.



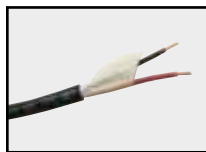
N999476 - ECOSOL CABLE
65' extension cable for ECOSOL CHARGER.



KBAT12V9AH - BATTERY
9 Amp/h 12 V battery replacement



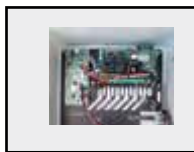
N999477 - ECOSOL CHARGER
Battery charger 100/230V - 24V for rapid charging of ECOSOL Interface Box and ECOSOL Double from a standard electrical output.



KCAB2BR - CABLE
Solar panel 2 core red & black cable (per foot)



KRELAY24V - Relay
Relay board 24V for loop detector



I300185 10001
Thalia Lite 120V board only with cable for Libra board replacements



D113731 - ECOSOL BOX
Interface for running BFT control panels off 24V solar power. Includes two 12V 7.2Ah batteries and circuit board for management of commands to control panel and battery charge management, with built-in Rolling Code 433.92 MHz receiver with 63 stored positions. Features carry handle for possible quick-charging of batteries from electrical power outlet through ECOSOL CHARGER accessory.



N999471 - ECOSOL PANEL
10W, 24V solar panel for connection to ECOSOL BOX. Can be installed in parallel for improved recharge capacity. Complete with stainless steel screws and brackets for mounting on wall or horizontal surface. A maximum of 3 panels can be used per system.

FAAC Model S418 SWING GATE OPERATOR

Electromechanical operator for swing gates up to 720 Lbs and 16 Ft

MODEL S418



Gate Length	Max Gate Weight
12' (3.7m)	up to 500lbs (326kg)
14' (4.3m)	up to 370lbs (168kg)
16' (4.9m)	up to 280lbs (127kg)

TECHNICAL FEATURES

- > Capacity: See chart above
- > Cycle Time: 19 seconds
- > Motor: 24 VDC, 35 W
- > Drive: Screw Drive
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code plug-in
- > Dimensions: 5"H x 4"W x 32'-6"L
- > Weight: 13.2 lbs
- > ETL Listed for UL 325 for Class I,II,III and IV applications

USAGE

- > Residential Focus
- > Duty Cycle: Continuous 100%
- > Small footprint
- > Battery backup included
- > Warranty 2 years from install date

104301.5 - BS418 Basic Single Kit

Kit contains:

- 1 Operator S418
- 1 E024U Enclosure Kit
- 2 Batteries 12V 8Ah
- 1 Receiver 433 RC Plug In
- 2 4-channel transmitter XT4 433 RC
- 1 Pair XP 30 photobeam photocells
- 2 XP 30 adapters for conduit connection

10430115 - Single Operator only

Contains:

- 1 Operator S418
- 1 E024U Enclosure Kit type LE
- 2 Batteries 12V 8Ah

FAAC Model 400 SWING GATE OPERATOR

Hydraulic operator for swing gates up to 1300 Lbs and 16 Ft

MODEL 400



TECHNICAL FEATURES

- > Capacity: 1,300 lbs and 16 Ft
- > Cycle Time: 17 seconds
- > Motor: 115 VAC, 220 W
- > Drive: Hydraulic Drive
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Radio Controls: 433MHz Rolling Code plug-in
- > Weight: 54 lbs
- > ETL Listed for UL 325 for Class I,II,III and IV applications

USAGE

- > If the operator will be installed in cold environments, the Arctic model must be used. (*Arctic = any operator installed above the South of Kentucky.*)
- > Residential to Industrial usage
- > Duty Cycle: 1200 cycles/day
- > Small footprint
- > Warranty 2 years from install date

400 CBAC - Single Kit 115V

10420112.5

1042011277.5* (*Arctic model*)

Leaf Weight: up to 1,300 lbs

Leaf Length: up to 16 ft

90° opening time: approx 18 seconds

400 CBACR Rapid - Single Kit 115V

10420712.5

1042071277.5* (*Arctic model*)

Leaf Weight: up to 900 lbs

Leaf Length: up to 12 ft

90° opening time: approx 12 seconds

Kits contain:

- 1 Operator 400 CBAC or CBACR
- 1 Prewired fiberglass enclosure 115V 14x16 in
- 1 455D control panel 115V
- 1 Receiver 433 RC Plug In
- 2 4-channel transmitter XT4 433 RC
- 1 Pair XP 30 photobeam photocells
- 2 XP 30 adapters for conduit connection

400 CBAC - Single Operator Only

104201125 - 400 CBAC standard operator only

1042011577* - 400 CBAC *arctic* operator only

400 CBACR Rapid - Single Operator Only

10420712 - 400 CBACR standard operator only

1042071277* - 400 CBACR *arctic* operator only

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

FAAC Model S800H UNDERGROUND SWING GATE OPERATOR

Hydraulic operator for swing gates up to 1,760 Lbs and 13 Ft
MODEL S800H

TECHNICAL FEATURES

- > Capacity: 1,760 lbs and 13 FT
- > Cycle Time: 13 seconds
- > Motor: 24VDC
- > Drive: Hydraulic Drive
- > Power Supply: 120 VAC, 60 Hz, Single Phase
- > Weight: 110 lbs
- > ETL Listed for UL 325 for Class I,II,III and IV applications
- > Integrated mechanical stops
- > 100° and 180° opening angle versions

USAGE

- > Residential focus
- > Duty Cycle: Continuous 100%
- > Small footprint
- > Built-in Battery backup
- > Solar option available
- > Warranty 2 years from install date



108710.5

Basic Single Kit contains:

- 1 Operator S800H CBAC with accessories
- 1 Hydraulic manual release
- 1 Splined shaft collar with mounting bolts
- 1 Support Box (item 490112)
- 1 E024U Enclosure Kit
- 2 Batteries 12V 8 Ah
- 1 Receiver 433 RC Plug In
- 2 4-channel transmitter XT4 433 RC
- 1 Pair of XP30 Photobeams
- 2 XP30 adapters for conduit connection

10871015.5

Single operator only
100° opening angle



490113

Stainless steel
support box



490112

Steel support box



2148

Extension Arm

FAAC MODEL 844ER Z16 PINION

Electromechanical operator for sliding gates up to 4,000 Lbs and 131 Ft - 7-1/2 in/sec

1098371



TECHNOLOGY

- > Maximum anti-crushing safety with a twin-disk oil-bath clutch and electronic board with encoder for reverse on obstacle
- > Simplified programming via display and pushbutton
- > Mechanical limit switches
- > Powerful electric break



490122

Galvanized rack plus fittings.
4 sections of 3.3 ft (1m) each.



737816

Foundation plate with side
and height adjustments

TECHNICAL FEATURES

- > Capacity: 4,000 lbs
- > Gate Speed: 7-1/2 in/sec
- > Hydrodynamic gear for smooth gate starts & stops
- > Drive: Rack drive appx 6-13/16" from base of operator.
- > Power Supply: 115 VAC, 650W
- > Radio Controls: Optional
- > Dimensions: 15-1/4"H x 8-5/8"W x 7-1/2"D
- > Weight: 44 lbs
- > ETL Listed for UL 325 for Class I,II,III and IV applications

USAGE

- > Commercial & Industrial Focus
- > Duty Cycle: 70% Duty, appx 900 cycles/day
- > Rack drive applications
- > Large footprint
- > Warranty 2 years from install date

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

TRANSMITTER & RECEIVER



787453

Transmitter 4 channels
Rolling code: the code varies whenever the transmitter is used. An algorithm recognizes and confirms the signal. Dimensions: 2 x 2.5 x 0.5 in (50 x 64 x 13 mm)



787741

Plug in receiver can be plugged in directly to any FAAC electronic control board. Rolling code technology.

PHOTOCELL

785105 (XP-30)

FEATURES:

- Through-beam
- Wall Mounted or Post Mounted)
- Directional photocell with diagonal alignment
- Angle of detection +- 4 degrees
- Range: 100 ft
- Obstacle Detection Time: 10ms
- Housing Protection: IP 54
- Required power supply: 24-35 VDC available on FAAC control panels
- Output Relay Rating: 100MA/24VDC
- Output Relay: N.O. (Normally opened) & N.C. (Normally Closed)
- Dimensions: 2.2" x 3"



GEAR RACK



490122

Galvanized steel rack is sold in packages of 4. Each rack is 3' 3" in length. Mounting hardware included.

LOOP DETECTOR

2680 - Model VEK MNE1-R24-B

- Power supply 10-30 V AC/DC max 1 W
- Relay outputs max 2A 230 VAC
- 11 pins circular connector
- Automatic adjustment of the operating frequency for best performance
- Self setting at power-up
- Loop fault signal
- Operating ambient temperature -35°F to +158°F (-37°C to +70°C)



MORE ACCESSORIES

Access Control	478-483
Mounting Posts	484
Driveway Loops	485-487
Vehicle Detectors	487
Safety Edges	487-488
Switches	490
Timers	490
Emergency Sensor	490
Knox Box	490



POST MOUNTED SLIDE GATE OPERATOR



Rotary Gate Systems slide gate operators mount directly to a fall-over support post and allow for installation where pad mounted, chain drive operators are not desirable or practical. These rack drive operators are a natural fit for DuraGates cantilever hardware and provide much more security than chain or drive rail operators.

TECHNOLOGY

- > Full Systems Capable Controller
- > Inherent Reverse Sensor (UL 325 type A obstruction sensor)
- > Multiple Opening options on power outage
- > Mechanical limit switches
- > Key Secured Emergency Release

USAGE

- > Residential/Industrial Focus
- > Duty Cycle: Continuous
- > Rack drive applications
- > Small footprint
- > Warranty* 5 years for operator, 2 years for controller
 - DuraGates Hardware
 - Integrator Drive Hardware
 - Ranger Telescoping Systems
 - V-Groove Hardware

**This warranty only extends to the distributor and the installing dealer.*

TECHNICAL FEATURES

- > Capacity: 1,500 or 2,500 lbs
- > Gate Speed: 1.1 ft/sec, not adjustable
- > Motor: 24VDC, high torque permanent magnet DC motor
- > Soft Start / Stop adjustable in programming
- > Drive: Rack direct drive 93:1 gear reduction
- > Power Supply: 115 VAC
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: Operator- 26"H x 8"Dia, Control Box 18"x18"x6"
- > Weight: Operator 47 Lbs, Control box 45 Lbs
- > UL Listed for Class I,II,III and IV applications
- > UHMW Nylon Rack Gear Provides Years of Service



COMMERCIAL MODEL

Electromechanical operator for sliding gates up to 1,500 Lbs and 35 Ft

SL-c



37-001

UHMW Nylon Gear Rack, 5 Ft Mounting hardware included.

Recommended to mount rack rail on a 2x2 angle to cover the teeth.



INDUSTRIAL MODEL

Electromechanical operator for sliding gates up to 2,500 Lbs and 45 Ft

SL-i

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

TRANSMITTERS & RECEIVERS

MT-2B

2-CHANNEL BLOCK CODED VISOR TRANSMITTER



ACT-31B

1-CHANNEL BLOCK CODED KEY RING TRANSMITTER



MGR-2

2-CHANNEL GATE RECEIVER

The MGR-2 can operate two gates, one gate and an obstacle sensor, or channel one can open the gate and channel two can close the gate.



AP-5

AP-5 RECEIVER / CONTROLLER – 2 DOOR/GATE

Designed for a broad range of applications and can control one or two door strikes, mag-locks, barrier gates, automatic gates, or door operators.



PHOTOCELLS

EMX IRB KIT

UNIVERSAL UL325 RETROREFLECTIVE PHOTOEYE KIT

Kit includes photoeye with hood, reflector with hood, and mounting bracket.

- Retroreflective configuration
- **60 ft. operating range**



EMX IRB MON

UNIVERSAL UL325 THRU BEAM PHOTOEYE KIT

Kit includes transmitter, receiver, protective hoods and sunshield.

- Thru beam configuration
- **115 ft. operating range**



EMX NIR-50-325

UL325 RETROREFLECTIVE PHOTOEYE KIT

Kit includes photoeye with hood, reflector with hood, and mounting bracket.

- Retroreflective configuration
- **50 ft. operating range**



E3K

LONG RANGE PHOTOELECTRIC SENSOR

Kit includes photoeye and reflector.

- Retroreflective configuration
- **30 ft. operating range**



HOOD-E3K

PLASTIC HOOD FOR E3K



COV-E3K

COVER FOR E3K



LOOP & VEHICLE DETECTORS

DSP-55

The DSP-55 is a compact loop and free exit probe vehicle detector that will operate on any voltage from 8 to 35 volts DC. The low voltage range is ideal for solar applications. detection needs.



OVS-01GT

VEHICLE PRESENCE SENSOR

- Vehicle Virtual Loop detects vehicle presence while ignoring most human traffic
- Uses microwave (18 ft range) and ultrasonic sensors
- Replaces Ground loops & concrete cutting
- Can be mounted 2 to 3 feet off the ground
- Adjustable sensitivity



See page 485 for more information.

SOLAR UPGRADES

RGS-SOLAR CTL

SOLAR CONTROL UNIT

- Requires battery upgrade
- Requires solar panels
- Requires factory installation of solar controller
- Must be ordered as "Solar installation", cannot be setup on site
- Duty cycle of operators depends on solar panel output power and battery capacity
- **NOT RECOMMENDED FOR INDUSTRIAL APPLICATIONS**

MORE ACCESSORIES

Access Control	478-483
Mounting Posts	484
Driveway Loops	485-487
Vehicle Detectors	487
Safety Edges	487-488
Switches	490
Timers	490
Emergency Sensor	490
Knox Box	490



Model SL-90DC SLIDE GATE OPERATOR

Electromechanical operator for chain or rack driven sliding gates up to 1600 Lbs and 50 Ft at 12 in/sec



**Solar Panel
sold separately.**



TECHNICAL FEATURES

- > Capacity: 1600 lbs and 50 Ft gate
- > Gate Speed: 1 ft/sec
- > Drive: Chain or Rack drive (at 11-1/2" O.C. vertical)
- > Motor: 24 VDC, 1/2 HP
- > Power Supply: 115/230 VAC Single Phase or 24VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 16"H x 15-1/2"W x 18-1/2"D
- > Weight: 95 lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop rack is included
- > Mechanical Foot Pedal Release

USAGE

- > Residential and Commercial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 7 years for residential, 5 years for commercial

SL90DC-C Chain drive operator

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup.

SL90DC-C-S Chain drive operator Solar Powered

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.

SL90DC-R Rack drive operator

Includes pinion gear upgrade, rodent plate, and integrated battery backup.

SL90DC-R-S Rack drive operator Solar Powered

Includes pinion gear upgrade, rodent plate, and integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.



AOM-PS-90/100
Pipe Stand Mount Kit



AOM-90-PDT
Pedestal Mount Kit



Shown SL90DC-C. Chain drive operator for sliding gates.

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



SLIDE GATE OPERATORS



Model SL-100DC SLIDE GATE OPERATOR

Electromechanical operator for chain or rack driven sliding gates up to 2000 Lbs and 50 Ft at 12 in/sec



TECHNICAL FEATURES

- > Capacity: 2000 Lbs and 50 Ft gate
- > Gate Speed: 1 ft/sec
- > Drive: Chain or Rack drive (at 13-1/2" O.C. vertical)
- > Motor: 24 VDC, 1/2 HP
- > Power Supply: 115/230 VAC
Single Phase or 24VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 23-1/2"H x 17-1/2"W x 12"D
- > Weight: 130 lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop rack is included
- > Mechanical Foot Pedal Release

USAGE

- > Residential and Commercial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 7 years for residential, 5 years for commercial

**Solar Panel
sold separately.**



SL100DC-C Chain drive operator

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup.

SL100DC-C-S Chain drive operator Solar Powered

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.

SL100DC-R Rack drive operator

Includes pinion gear upgrade, rodent plate, and integrated battery backup.

SL100DC-R-S Rack drive operator Solar Powered

Includes pinion gear upgrade, rodent plate, and integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.



AOM-PS-90/100
Pipe Stand Mount Kit



AOM-100-PDT
Pedestal Mount Kit



Model SL-150DC-1/2HP SLIDE GATE OPERATOR

Electromechanical operator for chain or rack driven sliding gates up to 3000 Lbs and 60 Ft at 12 in/sec



TECHNICAL FEATURES

- > Capacity: 3000 Lbs and 60 Ft gate
- > Gate Speed: 1 ft/sec
- > Drive: Chain or Rack drive (at 10" O.C. vertical)
- > Motor: 24 VDC, 1/2 HP
- > Power Supply: 115/230 VAC
Single Phase or 24VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 25"H x 19-1/2"W x 15"D
- > Weight: 150 lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop rack is included
- > Mechanical Foot Pedal Release

USAGE

- > Commercial and Industrial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 7 years for residential, 5 years for commercial

**Solar Panel
sold separately.**



SL150DC-1/2-C Chain drive operator

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup.

SL150DC-1/2-C-S Chain drive operator Solar Powered

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.

SL150DC-1/2-R Rack drive operator

Includes pinion gear upgrade, rodent plate, and integrated battery backup.

SL150DC-1/2-R-S Rack drive operator Solar Powered

Includes pinion gear upgrade, rodent plate, and integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.



AOM-PS-150
Pipe Stand Mount Kit



AOM-150-PDT
Pedestal Mount Kit

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



SLIDE GATE OPERATORS



Model SL-150DC-1HP SLIDE GATE OPERATOR

Electromechanical operator for chain or rack driven sliding gates up to 4000 Lbs and 60 Ft at 12 in/sec



TECHNICAL FEATURES

- > Capacity: 4000 lbs and 60 Ft gate
- > Gate Speed: 1 ft/sec
- > Drive: Chain or Rack drive (at 10" O.C. vertical)
- > Motor: 24 VDC, 1 HP
- > Power Supply: 115/230 VAC Single Phase or 24VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 25"H x 19-1/2"W x 15"D
- > Weight: 150 lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop rack is included
- > Mechanical Foot Pedal Release

USAGE

- > Commercial and Industrial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 7 years for residential, 5 years for commercial

Solar Panel sold separately.



AOM-PS-150
Pipe Stand Mount Kit



AOM-150-PDT
Pedestal Mount Kit

SL150DC-1-C Chain drive operator

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup, plastic cover.

SL150DC-1-C-S Chain drive operator Solar Powered

Includes 20' of #40NP chain, Bolt-on bracket, integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input, plastic cover.

SL150DC-1-R Rack drive operator

Includes pinion gear upgrade, and integrated battery backup, metal cover.

SL150DC-1-R-S Rack drive operator Solar Powered

Includes pinion gear upgrade, and integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input, metal cover.



Model SL-175DC SLIDE GATE OPERATOR

Electromechanical operator for chain or rack driven sliding gates up to 8000 Lbs and 100 Ft at 12 in/sec / 3000 Lbs and 100 Ft at 24 in/sec (*special order*)



TECHNICAL FEATURES

- > Capacity: 8000 lbs and 100 Ft at 1 ft/sec
- > High Speed Capacity: 3000lbs and 100 Ft at 1 ft/sec
- > Drive: Chain or Rack drive (at 21" O.C. vertical appx)
- > Motor: 36 VDC
- > Power Supply: 115/230 VAC Single Phase or 36VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 27-1/5"H x 20"W x 19-1/2"D
- > Weight: 320 lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop rack is included
- > Mechanical Foot Pedal Release

USAGE

- > Heavy Duty Commercial and Industrial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (3) 14Ah 12VDC batteries
- > Warranty 7 years for residential, 5 years for commercial



AOM-PS-90/100
Pipe Stand Mount Kit



AOM-175-PDT
Pedestal Mount Kit

SL175DC-C Chain drive operator

Includes 20' of #50NP chain, Bolt-on bracket, integrated battery backup, metal cover.

SL175DC-R Rack drive operator

Includes pinion gear upgrade, rodent plate, and integrated battery backup, metal cover.

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.



SWING GATE OPERATORS



Model SW-325DC SWING GATE OPERATOR

Electromechanical operator for swing gates with bottom articulating arm up to 2000 Lbs and 22 Ft



TECHNICAL FEATURES

- > Capacity: 2000lbs and 22 Ft gate
- > Cycle time: 14 - 25 seconds, adjustable
- > Drive: Bottom mounted articulating arm
- > Motor: 24 VDC, 1/2 HP
- > Power Supply: 115/230 VAC Single Phase or 24VDC Solar Panel
- > Radio Controls: Optional Linear MegaCode
- > Dimensions: 21"H x 25-1/2"W x 19"D
- > Weight: 160 lbs. + 30 lb. Arm
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop detector rack is included
- > Easy Slide Quick Release Arm

USAGE

- > Residential and Commercial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 7 years for residential, 5 years for commercial

Solar Panel
sold separately.



SW-325DC Swing gate operator

Includes articulating arm, integrated battery backup.

SW-325DC-S Swing gate operator Solar Powered

Includes articulating arm, integrated battery backup upgraded to (2) 14Ah batteries and SOLAR controller installed, NO 110VAC power supply input.



AOM-SPT-325

Pipe Stand Mount Kit



AOM-SPD-325

Pedestal Mount Kit



Model TORO PRIME SWING GATE OPERATOR

Electromechanical screw type arm operator for swing gates up to 1,600 Lbs and 8 Ft OR 600 Lbs and 18 Ft



TECHNICAL FEATURES

- > Capacity at max weight: 1600 lbs/8 Ft; 1200 lbs/12 Ft
- > Capacity at max Length: 800 lbs/16 Ft; 600 lbs/18 Ft
- > Cycle time: 15 - 20 seconds, adjustable
- > Drive: Screw Drive
- > Motor: NA
- > Power Supply: 115/230 VAC Single Phase and 24VDC Solar Panel
- > Radio Controls: Optional Linear
- > Dimensions: Control box 15-3/4"H x 19-3/4"W x 8"D
- > Weight: Arm: 25 Lbs; Control box: 55 Lbs
- > ETL Listed for UL 325 2018 Compliant
- > Pre-wired loop detector rack is included
- > Keyed Manual Release

USAGE

- > Residential and Commercial Focus
- > Duty Cycle: Continuous
- > Battery backup integrated w/ (2) 7Ah 12VDC batteries
- > Solar option available
- > Warranty 4 years for residential, 3 years for commercial



Toro operators are sold a la carte.
One or two actuators, a controller, and accessories as needed.

T24-PRIME Operator actuator arm

T24-CB TORO control box, 110VAC input power, with integrated battery backup

T24-CB-S TORO control box, Solar Power Input, with upgraded battery backup (2) 14Ah 12VDC batteries, NO 110VAC power supply input.

T24S-CABLE 40' of cable for Primary/Secondary double gate applications

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

TRANSMITTERS & RECEIVERS

MT-2B

**2-CHANNEL BLOCK
CODED VISOR
TRANSMITTER**



ACT-31B

**1-CHANNEL BLOCK
CODED KEY RING
TRANSMITTER**



MGR-2

2-CHANNEL GATE RECEIVER

The MGR-2 can operate two gates, one gate and an obstacle sensor, or channel one can open the gate and channel two can close the gate.



AP-5

AP-5 RECEIVER / CONTROLLER – 2 DOOR/GATE

Designed for a broad range of applications and can control one or two door strikes, mag-locks, barrier gates, automatic gates, or door operators.



PHOTOCELLS

EMX IRB KIT

**UNIVERSAL UL325
RETROREFLECTIVE
PHOTOEYE KIT**



Kit includes photoeye with hood, reflector with hood, and mounting bracket.

- Retroreflective configuration
- **60 ft. operating range**

EMX IRB MON

**UNIVERSAL UL325
THRU BEAM
PHOTOEYE KIT**



Kit includes transmitter, receiver, protective hoods and sunshield.

- Thru beam configuration
- **115 ft. operating range**

EMX NIR-50-325

**UL325
RETROREFLECTIVE
PHOTOEYE KIT**



Kit includes photoeye with hood, reflector with hood, and mounting bracket.

- Retroreflective configuration
- **50 ft. operating range**

E3K

**LONG RANGE PHOTOELECTRIC
SENSOR**

Kit includes photoeye and reflector.

- Retroreflective configuration
- **30 ft. operating range**



HOOD-E3K

PLASTIC HOOD FOR E3K



COV-E3K

COVER FOR E3K



LOOP DETECTOR

PRIME-VD-1

Designed for use with All-O-Matic LDR loop rack. (Included in All-O-Matic Operators)

1 detector per loop required.



OVS-01GT

VEHICLE PRESENCE SENSOR

- Vehicle Virtual Loop detects vehicle presence while ignoring most human traffic
- Uses microwave (18 ft range) and ultrasonic sensors
- Replaces Ground loops & concrete cutting
- Can be mounted 2 to 3 feet off the ground
- Adjustable sensitivity

See page 485 for more information.





GATE OPERATOR ACCESSORIES

CHAIN ACCESS

AOM-40CH-10FT

#40 Chain extension Kit, 10 ft long, for SL45, 90, 100, 150.



AOM-40ML

Master Link for #40 Chain

Need 1 master link per chain extension.

AOM-CHAIN KIT-40

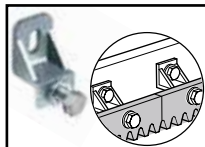
Chain Kit to convert a rack drive AOM SL90DC, SL100DC, Sprocket, #40NP x 20 Ft, Weld-on Brackets.



GEAR ACCESS

PINION-RACK

Galvanized 3'3" gear rack sections with mounting hardware.



266

Threaded gear rack connection. (3 connectors are needed per 3'3" gear rack.)

SOLAR UPGRADES

When ordered as a solar operator, the 110VAC input and transformer is removed and replaced by the solar controller, no there is NO 110VAC input.

- Includes battery upgrade to 14Ah batteries
- Requires solar panels
- Duty cycle of operators depends on solar panel output power and battery capacity
- NOT RECOMMENDED FOR INDUSTRIAL APPLICATIONS

N999471

10W, 24V SOLAR PANEL

Solar panel for connection to ECOSOL BOX. Complete with stainless steel screws and brackets for mounting on wall or horizontal surface.

CESP20-24GOK

20W, 24V SOLAR PANEL

Solar Panel Kit with Steel Bracket and 10Ft lead

CESP40-24GOK

40W, 24V SOLAR PANEL

Solar Panel Kit with HD Bracket and 15Ft lead

MORE ACCESSORIES

Access Control	478-483
Mounting Posts	484
Driveway Loops	485-487
Vehicle Detectors	487
Safety Edges	487-488
Switches	490
Timers	490
Emergency Sensor	490
Knox Box	490



Simple setup by mobile phone with the Praetorian Guard APP. Connect to the system video directly through your phone's or tablet's WiFi.

Using the app, you can see and hear your visitors in real time, speak with them or unlock the gate or door.

PRAE-IP-PED-KP-US

Pedestal IP Intercom + Keypad



PRAE-IP-ABK-US

Wall Mount IP Intercom + Keypad



Praetorian Guard App Features:

- Live HD video (120 camera lens & night vision)
- 2-way audio communication
- Worldwide mobile access to Praetorian Guard IP Video Intercoms
- Push notifications on your smartphone or tablet when the call button is pushed, motion sensor is triggered or keypad/prox code is used.
- Program 24-7 / Timed and Temporary Keypad codes or PROX ID's
- Past 100 event history
- App is optimized for portrait and landscape format
- Up to 8 separate users
- SD card storage for all video & picture files. (Can accommodate up to 32GB)
- Long Range Antenna* (2.4GHz) (up to 65 yards working range depending on router type and location)
- Voicemail - Visitors can leave a video messages when unanswered

* 2.4GHz antenna Included.

MON-11-US

Wall Mount Touch Screen Monitor

- Wall mount touch screen monitor (1280x800 Resolution), compatible with the Praetorian system.
- 10.1 inch screen IPS LCD android screen.
- Wifi, Ethernet & Bluetooth connections.
- POE supplied (12V DC can be purchased separately)
- Complete with both wall mount bracket.
- Android OS (8.1) with Praetorian app pre-loaded.
- RK3288, Quad-core cortex A17, 1.6G.



SURGE3

- Ethernet network surge and static protector.



App images for illustrative purposes only.

- Events log for Keypad codes, Calls, Voicemails, Prox ID's. (past 100)
- 7-day schedule for auto relay opening.
- Notifications - Motion Sensor is Triggered or Gates opened / closed via app, keypad or PROX.
- Sync device time to device
- Prox & Keypad codes added via App.

ACCESS CONTROL



PRAE-4GUS-PED-KP

Pedestal Mount IP / 4G Intercom + Keypad

Praetorian Guard IP Intercom complete with 4G access point. The access point will provide an internet connection via a compatible SIM card*

- Speak to your visitors from anywhere in the world.
- Grant access remotely - Send a command to the gate motor via the app to open your gates etc.
- Keypad Codes – 24-7 / Timed / Temporary (Optional)
- No Touch Access - PROX Cards/ Tags - 24-7 / Timed / Temporary (Optional)
- Voicemail - Visitors can leave a video messages when unanswered.
- Multi-User - Add up to 8 maximum devices per Intercom ID. (incl ADMIN user. 4 maximum for optimal performance.)
- Wifi/LAN cable (Dualband WIFI. 2.4 & 5.8G wifi (802.11 b/g/n/a/c) can also be connected to a local Network
- Coin Cell Battery to retain important system settings while a device is off. E.g. date-stamp
- Volume of external speaker adjustable at the call-point.

*MIN 1.5MB UPLOAD.

*MIN 1GB P/MIN DATA (Depending on usage).



SIM Card and activation instructions included

Pedestal mountable & modern blue illuminated buttons. Marine grade, brushed stainless steel construction with gloss acrylic trim and powder coated aluminium hood. Built in 4G router. (Kit includes speech panel, power supply and install manual)

MON-11-US

Wall Mount Touch Screen Monitor

- Wall mount touch screen monitor (1280x800 Resolution), compatible with the Praetorian system.
- 10.1 inch screen IPS LCD android screen.
- Wifi, Ethernet & Bluetooth connections.
- POE supplied (12V DC can be purchased separately)
- Complete with both wall mount bracket.
- Android OS (8.1) with Praetorian app pre-loaded.
- RK3288, Quad-core cortex A17, 1.6G.



PRIME7-PED-KP-US

Pedestal Mount Cellular Intercom + Keypad

SIM Card and activation instructions included



Pedestal panel with keypad, constructed from marine grade stainless steel, powder coated aluminium hood and gloss black toughened acrylic faceplate.

Features:

- Store up to 4 notification phone numbers to receive an SMS (customizable) when relay is triggered etc.
- Bigger 2 amp power supply
- Add up to 20 time restricted caller ID numbers
- Ability to view APN on signal level reply
- Ability to check Do Not Disturb Times
- 3rd Gen surge protection
- Auto clock sync
- Add up to 8 slave keypads or prox (RFID) readers
- Add APN via the keypad (APN list is pre-loaded)
- PROX (RFID) option

Dual network
AT&T T-Mobile



MULTI-CLASSIC-PED-US

Multi Apartment / Multi Resident
Wireless Cellular Intercom

**SIM Card and
activation
instructions
included**



- Calls up to 500 families from a single SIM card.
- Visitors can scroll for residents, or enter apartment number to call.
- Dials up to 3 phone numbers per family on roll over.
- 4G Enabled.
- HD voice with VoLTE*.
- Programmable locally by USB PC link with free software, or remotely with free Android and iPhone apps.
- Proximity card version available.
- Built in time clock for auto opening and closing of gates, barriers or doors in busy periods or for day operation.
- 2 relays.

**Requires correct APN to be set and will only be experienced on a VoLTE enabled device.*



P121024-Q-BOX

Digital Keypad



- 10 channels
- 100 combinations
- Backlit

A wireless digital keypad with 10 channels that can store 100 4-7 digit entry codes. A built in sensor detects low lighting conditions and activates the keypads built-in backlight.



I-GATE-1200

Advanced Cellular Gate Opener

**SIM Card and
activation
instructions
included**



**Stores 1200 numbers
for caller ID access.**

SMS passcode access for
non stored numbers.

GSM gate
opener with
IOS & Android
apps.



Trigger, latch and
unlatch gates by SMS
text or with app.



App available with hold
open buttons (for gate
systems supporting this
feature).

Check stored
numbers by SMS.



Simple programming
by SMS text or app.

- GSM gate opener with IOS & Android apps.
- Large memory which can stores 1200 numbers for caller ID access.
- SMS passcode access for non stored numbers.
- Trigger, latch and unlatch gates by SMS text or with app.
- Simple programming by SMS text or app.
- Check stored numbers by SMS.
- Apps available with hold open buttons (for gate systems supporting this feature).





P111494 - B EBA WIFI Gateway



The B-eba Wi-Fi expansion card connects to the web the device where it is installed, via wi-fi protocol. Through the U-control management app, the B-eba card is registered on the home wi-fi network and thus allows the operator to be remotely managed. All U-Link protocol compatible BFT devices can be managed with U-control, whether they are operators, central units or receivers; therefore also automation devices by other brands can be remotely controlled. The U-control app is free and available for Android and IOS smartphones.

This gateway will only work with BFT gate operators.



1812-Access Plus Surface Mount Stainless (1812-090)

Telephone Entry System



The 1812 Access Plus is a control and communication system for residential applications. The 1812 Access Plus is PC Programmable and IP Addressible. Each Access Plus Series unit allows Voice and Data connection over either Cellular, VoIP, Wireless, or POTS. DKS offers easy ways to connect fast using the DKS IM Server and DKS Cellular services. With the easy to use Access Plus Account Manager programming software, you can customize the system immediately. The 1812 Access Plus controls a main door or gate and can easily be expanded to control up to six additional access points. The 1812 Access Plus features an upgraded processor, a new high fidelity digital voice circuit, better volume control, a lighted push-button and

additional call out telephone numbers (up to 27). Discerning homeowners will appreciate the additional programming, reporting and advanced features found in the 1812 Access Plus system.

DoorKing's Access Plus Account Manager Software is a powerful, flexible and easy to use computer program that allows you to manage access control in a variety of controlled access applications.

Features:

- IP addressable – program from your PC via LAN/WAN or an internet connection or via built-in modem
- Access Plus Account Manager programming software included
- Add up to six (6) card readers, keypads or RF receivers (RS-485)
- 100 card / transmitter / keypad codes (50 with phone numbers; 50 access codes only)
- Up to 30 holidays can be added to access and hold open time zones
- Control access points from your PC. Schedule lock and unlock times, lock or unlock an access point with the click of your mouse
- 10 temporary access codes with start and end dates
- 500 event transaction buffer
- Email notification of events of your choice. Internet connection required
- Call waiting
- Call forwarding with time zone restrictions
- Unique double ring
- Built-in clock / calendar

Features continued:

- Do-not-disturb feature
- Four "hold open" time zones
- Answer machine bypass feature
- 50 5-digit entry codes with time zone restrictions on some codes
- 10 Temporary entry codes with start and end dates
- Intercom mode for use with PBX and KSU phone systems
- Camera ready

Specifications:

- Hands free, full duplex digital audio circuit.
- Interfaces with a single phone line
- 27 dial-out phone numbers
- Two relays for door or gate control
- Ability to control an additional six (6) access points with card readers, keypads or RF controls
- Programming Method: System keypad, touch-tone telephone, or from PC
- 16 VAC, 20 VA (250 ma) power transformer provided
- FCC (US): DUF6VT-12874-OT-0
- DOC (CAN): 1736 4507 A
- Complies with UL 294; ETL Listed
- Surface mount dimensions: 6.13"H x 10"W x 5.25"D

ACCESS CONTROL



1812-Classic Surface Mount Stainless (1812-081)

Telephone Entry System



The model 1812 is a unique telephone intercom system that allows homeowners to use their telephone as an intercom to speak to a guest at a front door or gate without the necessity to pay for an additional telephone line at their home. With its "intercom mode" programming feature, the 1812 can also be connected to a PBX or KSU type system, making it ideal for small businesses to control access through a single door or gate. Visitors are easily identified by voice communication and can be granted or denied access directly from a touch-tone telephone.

Features:

- Distinctive double ring identifies visitor calls from regular calls
- Call waiting
- Call forwarding
- 3 preprogrammed call out telephone numbers
- "Do Not Disturb" time zone
- Hold open time zones
- Built-in time clock
- Entry code time zone
- "Flash" entry code
- LED lighted faceplate
- 2 relays for door/gate control

Specifications:

- Hands free, full duplex digital audio circuit
- Connects in series with the residential phone line. By-pass switch provided.
- EEPROM Memory Chip
- Stores up to 3 call forwarding numbers
- Full duplex communication
- 50, 4-digit entry codes
- 24 VAC, 20 VA (250 ma) power transformer provided
- FCC (US): DUF6VT-12874-OT-0
- DOC (CAN): 1736 4507 A
- Complies with UL 294; ETL Listed
- Surface mount dimensions: 6.13"H x 10"W x 5.25"D



1802-EPD Surface Mount (1802-090)

Telephone Entry System



The 1802-EPD (Electronic Programmable Directory) model are ideal telephone entry systems that are loaded with features and are suited for applications that have limited space and can be used in residential as well as commercial applications. The 1802-EPD includes a built-in electronic directory. Visitors are easily identified by voice communication and can be granted or denied access directly from a touch-tone telephone.

Features:

- Programmable directory codes (1-4 digits)
- 16-digit dialing
- Two relays to control two entry points
- 5-digit entry codes for special needs
- LED lighting illuminates keypad
- Built-in time clock
- Hold open time zones
- Entry code time zones
- "Flash" entry codes
- Built-in postal lock provision
- 1802-EPD includes directory display.

Specifications:

- Stores up to 100 telephone numbers and names
- EEPROM Memory Chip
- Full duplex communication
- 4-digit entry codes - max. of 100
- Six, 5-digit entry codes
- 16 VAC, 20 VA (250 ma) power transformer provided
- Ringer equivalence: 0.0 A
- Jack type: RJ11C or W
- FCC (US): DUF6VT-12874-OT-0
- DOC (CAN): 1736 4507 A
- Complies with UL 294; ETL Listed
- Surface mount dimensions: 12"H x 6.5"W x 5"D



1810 Surface Mount (1810-080)

Telephone Entry System



With its built-in lighted directory, Model 1810 is a completely self-contained telephone entry system that is ideal for small to medium sized apartment buildings, gated communities, condominiums, office buildings, factories and industrial sites. Managers can easily create and change the directory as needed with a word processing program (templates are available from DoorKing). Visitors are identified by voice communication via the telephone. Access is granted by pressing "9" on your touch tone telephone, or access can be denied by simply hanging up.

Features:

- Programmable directory codes (1-4 digits)
- 16-digit dialing
- Two special inputs can be programmed for relay activation or to dial out a preprogrammed phone number
- 5-digit entry codes for special needs
- Built-in LED lighted directory
- LED lighting illuminates directory
- Built-in time clock
- Hold open time zones
- Entry code time zones
- "Flash" entry codes
- Built-in postal lock provision
- Programming display

Specifications:

- Stores up to 600 telephone numbers
- EEPROM Memory Chip
- Full duplex communication
- 4-digit entry codes; 1000
- Six, 5-digit entry codes
- 16 VAC, 20 VA (250 ma) power transformer provided
- Ringer equivalence: 0.0 A
- Jack type: RJ11C or W
- FCC (US): DUF6VT-12874-OT-0
- DOC (CAN): 1736 4507 A
- Complies with UL 294; ETL Listed
- Surface mount dimensions: 13"H x 11.25"W x 4.75"D



1520 Stand Alone Card Reader (1520-080)



Model 1520 provides users with a full feature single door stand-alone access control system. The 1520 is available with a built-in proximity card reader (DK Prox, AWID or HID) or can be ordered as a single door controller allowing the user to add their own 26-bit access control device.

Features:

- Built-in proximity card reader (available with DK Prox, AWID or HID reader)
- Available as a controller only (add your own 26-bit wiegand device)
- Built-in programming keypad
- Indoor or outdoor use

Specifications:

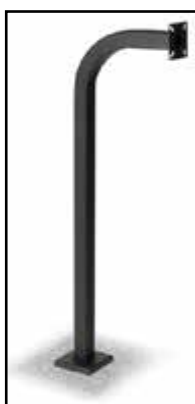
- Stores up to 1000 card codes
- Transaction buffer stores last 3600 events
- Timed anti-pass back (1-59 minutes)
- Four time zones
- Clock and transaction buffer maintain data for up to 3 days in the event of a power outage
- Print Menu
- Real time print mode
- Form "C" dry contact relay
- 16 VAC, 20 VA power transformer supplied

1508-020 - AWID Prox Cards

These cards are randomly pre-coded. Card numbers may, or may not be, in numerical sequence.

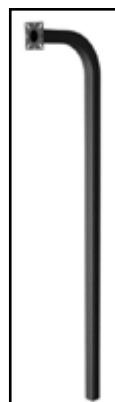
MOUNTING POSTS FOR ACCESS CONTROL

GOOSENECK POSTS FOR CELLBOX/KEYPAD



PED-2/42BK2

Pad mount for gooseneck post
This pad mount pedestal
is 48" high with and
12" reach.



PED-3/IN

Inground
gooseneck post
This direct burial
pedestal is 72" high with
and 11½" reach.



Minipost for mounting the OVS-01GT sensors.



OVS-MPB
30" Model
Black



OVS-MPY
30" Model
Yellow

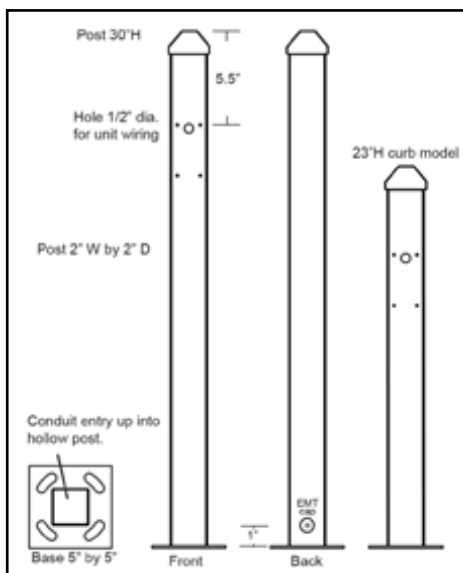
OVS-MPBcurb
23" Model
Black

OVS-MPYcurb
23" Model
Yellow

The OVS-MP is a sturdy Mini Post specially designed for the OPTEX OVS-01GT Vehicle Presence Sensors. Installation is easy with the OVS-MP. The Vehicle Presence Sensor mounts at the proper height. The 30" model is for road surfaces, and the 23" model is for island or curb mounting. No more ground loops, no more concrete cutting. The Mini Post is Powder Coated, tougher than paint.

Top cover
included

Four drilled and
tapped holes
for OVS-01GT
mounting and
wiring hole on
front



Threaded for
1/2" EMT
(cap included)
on the back
of the post



DRIVEWAY LOOPS AND VEHICLE DETECTORS



OVS-01GT VEHICLE VIRTUAL LOOP FROM OPTEX

This virtual loop vehicle sensor is designed to reliably detect the presence of a stationary or moving vehicle while also having the ability to ignore most human traffic. This virtual loop also eliminates the hassles associated with the installation of a ground loop. No more concrete cutting required. The OVS-01GT can be mounted 2 to 3 feet off the ground and can detect both small and large vehicles.



Presence Capability

For gate and barrier arm applications, the vehicle virtual loop is installed above ground and near the gate operator. It can be mounted on a pole or post. Its detection area can be customized with 8 range settings, 5 sensitivity settings and one-touch calibration.



Ignores Human Movement

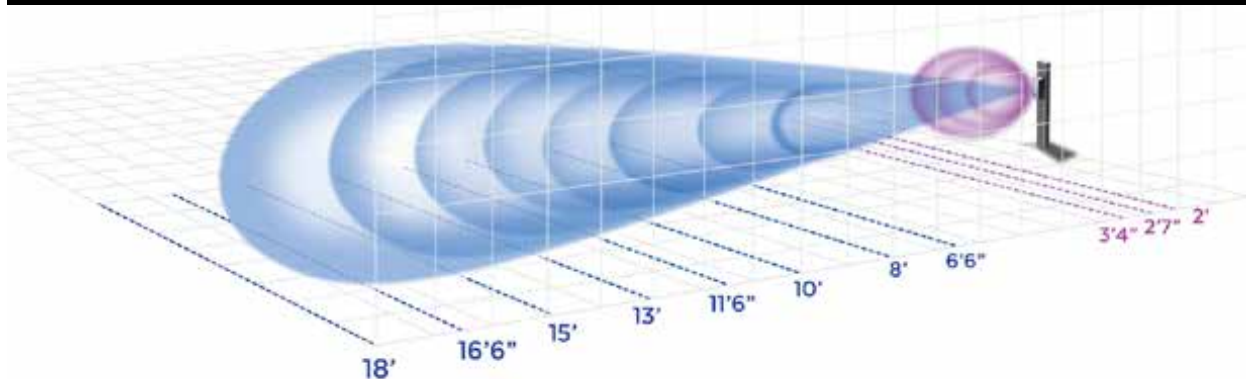
It is important that the sensor only detect vehicles and ignore human movement. This virtual loop sensor has 5 selectable menu setting options to ignore human movement.

Easy Installation

- No need to stop traffic through the driveway during installation.
- Mounts quickly, easily and wires directly to the gate operator.
- No additional loop detector is required.
- No need for special programmers.
- Simple to use menu with visual indicators provides a simple and quick installation.

See page 484 for post options.

Vehicle Virtual Loop has adjustable microwave and ultrasonic detection patterns



The OVS-01GT features 8 range settings for the microwave (above in blue) from 6'6" to 18', and 3 settings for ultrasonic (above in violet). The simple-to-use menu also has 5 settings for human cancellation adjustment, 5 sensitivity settings, and one-touch calibration.

DRIVEWAY LOOPS AND VEHICLE DETECTORS



PREFORMED DIRECT BURIAL LOOPS

BD Loops direct burial loops are designed for quick and easy installation and can be installed in concrete or under asphalt, pavers or gravel roads.

- 16 AWG loop wire designed for superior performance.
- Installation kit includes: cable ties, ground stakes, and loop lead-in labels.
- Easy to follow installation instructions.
- Loop wire is durable and rated for direct burial.
- Pre-phased (phasing direction marked) at the factory, allowing installers to easily take advantage of loop phasing.

Reverse/Shadow Loops

EL24-60 – 24 foot Loop
4' x 8' loop, 60ft lead wire

RL36-40 – 36 foot Loop
6' x 12' loop, 40ft lead wire

EL44-60 – 44 foot Loop
6' x 16' loop, 60ft lead wire

Free Exit Loops

EL36-100 – 36 foot Loop
6' x 12' loop, 100ft lead wire

EL44-100 – 44 foot Loop
6' x 16' loop, 100ft lead wire

LOOP SEALANT

Polyurethane sealant has many advantages when compared to other commonly used sealants.

- Does not shrink or crack—it does not have an evaporation cure like most other sealants.
- Does not conduct electricity—water based sealants can facilitate shorts to ground.
- Has a low viscosity (flows easily) is easier on your hand, and is self leveling.
- Can be cleaned up with rubbing alcohol.



BDLS-BLACK

BDLS-GRAY

30 fl. oz. tube

BDLS-BLACK-CASE

BDLS-GRAY-CASE

Case of 12-

30fl. oz. tubes

TORXUN PREFORMED HIGH TEMPERATURE LOOPS

Ideal for direct burial on gravel or dirt driveways. Also use under concrete or asphalt.

TOR 2050.048

4' x 8' loop | 3' x 9', 50ft lead wire

TOR 2100.410

4' x 10' loop | 6' x 8', 100ft lead wire



PREFORMED SAW-CUT LOOPS

Used for saw-cut installations where a 3/16" groove is cut into the concrete or asphalt and the wire is stuffed and sealed (using loop sealant) into the groove. Custom polyethylene outer jacket protects a micro-dusted nylon coated inner jacketed 16AWG stranded wire. The saw-cut loop has a built in backer-rod securely fitting a 3/16" saw-cut groove eliminating the need to apply backer-rod to hold the loop to the bottom of the saw-cut groove and requires 30-40% less loop sealant to seal the groove. Both the loop and the lead-in fit within a 3/16" saw-cut groove preventing wasted time spent double saw-cutting or doubling blades to cut the home run lead-in.

Reverse/Shadow Loops

SC24-50 – 24 foot Loop
4' x 8' loop, 50ft lead wire

SC36-50 – 36 foot Loop
6' x 12' loop, 50ft lead wire

SC44-50 – 44 foot Loop
6' x 16' loop, 50ft lead wire

Free Exit Loops

SC36-100 – 36 foot Loop
6' x 12' loop, 100ft lead wire

SC44-100 – 44 foot Loop
6' x 16' loop, 100ft lead wire

CARTELL - FREE EXIT SYSTEM

CP-4-100 - 100' of wire

CP-4-200 - 200' of wire

The Cartell free exit system is a self-contained unit. All the electronics are contained in the sensor probe housing. There is no external output board to install.



Bury the conduit & "puck" 3-5 inches underground, 100 feet from the automatic gate operator (toward the house), beside and parallel to the driveway. It should be hooked up directly to the free exit terminals on the gate operator. Universal voltage (AC and DC) makes it compatible with any gate operator, solar or powered.

FEATURES:

- Self-contained system
- Conduit-ready housing
- Sensitivity adjustment
- Lowest standby current (30-70µA)
- Better heat resistance
- More lightning protection
- New proven digital circuit
- Weather-resistant cable
- One model, less confusion
- Industry-standard wire colors
- Universal voltage AC & DC
- Works with all gate operators
- 5 year warranty

Visit locks4gates.com to view the latest models and download spec sheets and installation manuals.

DRIVEWAY LOOPS AND VEHICLE DETECTORS

Recommended
for use with
Rotary Gate
Systems
Operators

LOOP AND FREE EXIT PROBE VEHICLE DETECTOR

DSP-55 - 100' of wire

The DSP-55 is a compact vehicle detector that will operate on any voltage from 8 to 35 volts DC. The low voltage range is ideal for solar applications.

The detector uses a 10-pin Molex connector for its connections and has three solid-state (open-collector) outputs. The solid-state outputs allow for a smaller total package size, lower power consumption, and elimination of contact bounce.



FEATURES:

- Can be connected to a standard inductive loop as well as Diablo Controls Free Exit Probes.
- Small profile, perfect for many installations.
- Three Solid State outputs.
- Fail-safe or Fail-secure operation.
- Wide low-voltage operation
- Separate Power/Fail and Detect LEDs.
- B Outputs can be presence, pulse on entry, pulse on exit, or loop fail.
- Flicker display shows occupancy of the detection zone when operating in a pulse mode.
- Delay or extension time is possible.

VEHICLE DETECTOR KIT

DML-9LP KIT75

The Diablo "Mini-Loop" is intended to be buried beneath the roadway surface and connected, via lead-in cable, to the Diablo DML-9LP Detector. Installation costs may be significantly less than those for conventional loops, because only single, straight 1/4" saw cuts need to be made and a 1" diameter hole drilled about 20" deep. Also resulting is the opportunity for greatly increased service life due to the reduced exposure to hazards such as road traffic, pavement movement, pavement deterioration, and roadwork.



LOOP DETECTOR

DSP-7

DSP-7LP (use with solar)

Detector operates on any voltage from 10 to 30 volts AC or DC and draws about 1 milliamp of current with no vehicle on the loop. This micro-sized detector will automatically adjust its sensitivity level when used on different sized loops. The detector loop inductance should be between 20 and 2000 microhenries.



- Designed for solar powered applications
- Designed to be cross talk free between other loops
- Automatically compensates for loop and lead-in sizes
- Switchless, self-adapting to most common installations
- Plug and play; Connect it up and watch it work
- Small profile, perfect for many installations
- Fail safe operation
- Wide low-voltage operation

SAFETY EDGES

HOW SENSING EDGES WORK

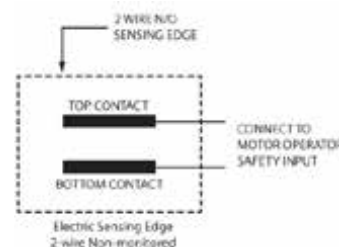
Miller Edge sensors are available in a variety of models to easily adapt to any motorized door or gate. All electrically activated edges operate on the same basic principle referred to as a Normally Open (N.O.) electrical configuration.

- The outer covering houses 2 electrically conductive flexible contact elements.
- The contact elements are separated by a soft perforated foam cushion.
- When touched, the edge compresses causing the contacts to touch.
- An immediate electrical signal is sent to the motor control unit to stop and/or reverse motion.

Sensing Edges for Automated Gates:

Electrical Configuration / Wiring Diagram

A 2-conductor electrical configuration complies with UL-325 and the 2009 International Building Code for gates.



SAFETY EDGES

RBAND MONITORED WIRELESS GATE KIT

RB-G-K10

Gate edges are a common method of guarding entrapment and hazard zones. Now, with the RBand Monitored Wireless Gate Kit transmitter/receiver, there's no need to hard-wire, which saves valuable installation time and creates a clean appearance.

The Miller Edge RBand is a wireless monitored transmitter/receiver kit for automated gate systems. It monitors the presence and function of T2 (10k) sensing edges and transmits a wireless monitored signal to the operator controls. The RBand Receiver can be paired with up to 6 Transmitters on 2 channels. The Transmitter is built to endure rugged, outdoor environments.

The Miller Edge RBand eliminates the need to hard wire sensing edges and meets 2016 UL 325 standards for commercial gate operators.

FEATURES:

- Two-channel receiver compatible with up to 6 total wireless transmitters
- On-board diagnostics for easy setup/troubleshooting
- Bi-directional link improves immunity to RF interference
- Transmitter built to endure rugged outdoor environments
- 2016 UL 325 Recognized Component
- 2 year warranty



RB-TX10 RBand Transmitter

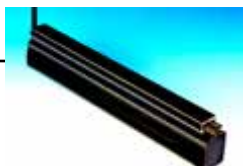
Wireless transmitter compatible with monitored gate receiver.

SAFETY SENSING EDGE

ME120-2E-04-T2 (4ft length)

ME120-2E-05-T2 (5ft length)

ME120-2E-06-T2 (6ft length)



The small profile of these edge sensors allows for versatility to suit a wide variety of applications from motorized doors and gates to industrial safeguarding on plant equipment.

FEATURES:

- Touch Sensitive signalling
- Small profile
- Easy to Install
- Optional Safety Yellow color provides visual recognition of hazardous area
- Mounts vertically or horizontally
- ANSI/UL325 Recognized Component

ALUMINUM CHANNEL

Mounting channel for monitored safety edge.

ME120-C-4FT

ME120-C-5FT

ME120-C-6FT

SAFETY SENSING EDGE KIT

MG110K-2E-04-T2 (4ft length)

MG110K-2E-04-T2 (5ft length)

The MG110 kit includes: (1) MG110 sensing edge, (1) ME110-C mounting channel, (2) molded nylon end caps, and (2) stainless steel self-drilling mounting screws.

FEATURES:

- Small profile
- Easy to install
- Molded end caps provide a clean, finished look
- Mounts vertically or horizontally
- Sealed assembly impervious to dust and debris
- UL 325 Recognized Component
- 1-year warranty
- Made in USA



Recommended
for use with
Rotary Gate
Systems
Operators

EMX-WEL-200K

WIRELESS EDGE LINK

- Compatible with NC, 10K and pulse monitored outputs
- Connect up to 4 safety edge transmitters
- No wiring reduces installation cost
- Operates two years on two AA lithium batteries



GATE OPERATOR ACCESSORIES

ONE-BUTTON SWITCH

ROS-EX-H22N

- Proximity or touch
- Red/Green switching LED
- Exterior rated
- Capable of momentary output or constant output
- Works with all types of devices: gate operators, Mag locks, electric strikes, control systems
- Mounts into a std double gang box



EXIT BUTTON

1211-080

- Provides a release device for doors secured with a magnetic lock or electric strike
- Lighted Exit push buttons
- 12-volt DC power (for light)
- 1211-081 designed for mullion mounting
- 4-1/2" H x 2-13/16" W (114.3mm H x 71.4mm W)
- **For indoor use only**



THREE-BUTTON SWITCH

2510

- Open button is N.O
- Close button is N.O
- Stop Button is N.C.
- Switch rating 10 A / 250 VAC
- Dimensions:
4 in. wide x 2.87 in. high x 2.25 in. deep (102 x 73 x 57 mm)



TWO-BUTTON SWITCH

2512

- Actuate button is N.O
- Stop Button is N.C.
- Switch rating 10 A / 250 VAC
- Dimensions:
4 in. wide x 2.87 in. high x 2.25 in. deep (102 x 73 x 57 mm)



SEVEN DAY TIMER

PTM-24V

The PTM-24V Seven Day Timer allows for timed access for secure entry/exit on a wide range of control applications. Use on overhead doors, gates and parking barriers. The timer can also be used with magnetic door locks and electric strikes, indoor/outdoor lighting and security alarm systems.



FEATURES:

- Flexible programming with 16 ON/OFF events per day
- Large display and push-buttons for easy operation
- Battery backup for power outages
- DIN rail mount installation
- Three power supply options

SIREN OPERATED SENSOR

SAGM

New and improved siren operated sensor. Allows entry of emergency vehicles through gates, the siren activates gate opener while all other sounds are rejected.



FEATURES:

- New and improved siren operated sensor
- Easy and effective emergency access
- Makes all gates 911 accessible
- No codes or keys required
- Compatible with all gate/door operators
- Comes with a 4x5 inch reflective sign
- 12-24VAC/DC; 2-wire
- 6.5" (h) X 4.125" (w) X 2.25" (d)

LOCK BOX

1401-080 Knox Type

1401-081 Padlock Style

Fire Department lock boxes provide a convenient method to allow Fire Department personnel access into a property through an automated gate system.



- Designed to accept the Knox 3501 key switch used by Fire Departments throughout the country
- Ample room inside for additional access control devices or keys
- 14-gauge steel
- Faceplate is painted bright red, enclosure is painted black
- 5.375" (h) x 4.5" (w) x 5.375" (d)

ELECTRO MAGNETIC LOCK WITH OR WITHOUT HANDLE

Magnetic lock with or without handle.

Available in 2 versions.

MAGMAG-2500 with 600 lb. and MAGMAG-5000 with 1200 lb. of pulling force. The aluminum powdercoated housing equipped with the unique Quick-Fix fixings ensures a fast and nicely finished mounting. Eliminate time-consuming welding; drilling 5 holes is enough to fix the lock. A two layer, protective coating guarantees that our electro-magnetic locks are ready for years of worry free use outside.



MAGMAG3000SL - Silver without Handle

MAGMAG3000BL - Black without Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 660 lbs. pulling force

MAG3000SL - Silver with Handle

MAG3000BL - Black with Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 660 lbs. pulling force

MAGMAG5000SL - Silver without Handle

MAGMAG5000BL - Black without Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 1200 lbs. pulling force

MAG5000SL - Silver with Handle

MAG5000BL - Black with Handle

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 1200 lbs. pulling force



INTEGRATED MAGNET LOCK FOR SLIDING GATES

S-MAG is the perfect product to lock any type of sliding gate. It has a guaranteed 600 lbs of pulling force and resists extreme weather conditions. The armature plate offers flexible assembly which guarantees a normal closing even if the gate is not perfectly aligned. The rubber bumpers help protect and prevent damage to the gate and accessories in case of harsh handling and shaking of the gate.

- Guaranteed holding force tested on every magnetic lock
- 500h salt spray resistant! SGS Certified (ISO 9227)
- Special two-layer protective coating developed for outdoor use
- Anti-residual magnetism kick-off system
- Minimal pulling force: 2500N (600 lbs)
- Current: 460mA / 12V or 230mA / 24V

S-MAG-2500-ZILV - Silver

S-MAG-2500-9005 - Black

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 600 lbs. pulling force



CONVERSION CHARTS

Conversion Chart from mm to inches

mm	inch	mm	inch	mm	inch	mm	inch
6	1/4"	30	1 1/4"	100	4"	1000	39 3/8"
8	5/16"	40	1 1/2"	125	4 7/8"	2000	6'6 3/4"
10	3/8"	50	2"	150	6"	3000	9'10 1/8"
12	1/2"	60	2 3/8"	200	7 7/8"	3800	12'5 5/8"
16	5/8"	70	2 3/4"	300	12"	5700	18'8 3/8"
20	3/4"	80	3 1/4"	500	19 3/4"	5800	19'1/4"
25	1"	90	3 1/2"	900	35 1/2"	6000	19'8 1/4"

Chart shows some of our standard measurements and the approximate inch equivalent.

Steel Thickness Conversion Table (gauge - inch - mm)

Gauge No.	B.W.G		U.S.G		Gauge No.	B.W.G		U.S.G	
	inch	mm	inch	mm		inch	mm	inch	mm
6	.203	5.156	.2031	5.16	21	.032	.813	.0344	.873
7	.180	4.572	.1875	4.76	22	.028	.711	.0313	.794
8	.165	4.191	.1719	4.37	23	.025	.635	.0281	.714
9	.148	3.759	.1563	3.97	24	.022	.559	.0250	.635
10	.134	3.404	.1406	3.57	25	.020	.508	.0219	.556
11	.120	3.048	.1250	3.18	26	.018	.457	.0188	.478
12	.109	2.769	.1094	2.78	27	.016	.406	.0172	.437
13	.095	2.413	.0938	2.38	28	.014	.356	.0156	.396
14	.083	2.108	.0781	1.98	29	.013	.330	.0141	.358
15	.072	1.829	.0703	1.79	30	.012	.305	.0125	.318
16	.065	1.651	.0625	1.59	31	.010	.254	.0109	.277
17	.058	1.473	.0563	1.43	32	.009	.229	.0102	.259
18	.049	1.245	.0500	1.27	33	.008	.203	.0094	.239
19	.042	1.067	.0438	1.11	34	.007	.178	.0086	.218
20	.035	.889	.0375	.953	35	.005	.127	.0078	.198

BWG - Birmingham Wire Gauge for Iron & Steel Wire

USG - US Standard Gauge for Stainless Steel

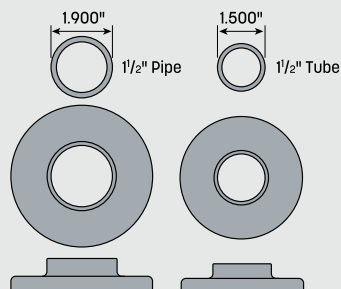
Actual Dimensions for Nominal Pipe Size

Use the following formula to determine the ID for any given size **Pipe**:

$$ID = OD - (2 \times t)$$

Where:

OD = Outside Diameter
ID = Inside Diameter; and
t = Wall Thickness



Nominal Pipe Size	Outside Diameter	Wall Thickness Schedule 5	Wall Thickness Schedule 10	Wall Thickness Schedule 40	Wall Thickness Schedule 80
1/2"	.84"	.065"	.083"	.109"	.147"
3/4"	1.05"	.065"	.083"	.113"	.154"
1"	1.315"	.065"	.109"	.133"	.179"
1 1/4"	1.66"	.065"	.109"	.140"	.191"
1 1/2"	1.90"	.065"	.109"	.145"	.200"
2"	2.375"	.065"	.109"	.154"	.218"
2 1/2"	2.875"	.083"	.120"	.203"	.276"
3"	3.50"	.083"	.120"	.216"	.300"
3 1/2"	4.00"	.083"	.120"	.226"	.318"
4"	4.50"	.083"	.120"	.237"	.337"

TECHNICAL RESOURCES

 International Door Association doors.org	 CADdetails caddetails.com	 Artist-Blacksmith's Association of North America, Inc. abana.org	 National Ornamental & Miscellaneous Metals Association nomma.org
 American Fence Association americanfenceassociation.com	 Traditional Building traditionalbuilding.com	 astm.org	METAL MUSEUM metalmuseum.org
 National Glass Association glass.org	TECHNICAL RESOURCES		 National Association of Architectural Metal Manufacturers naamm.org
 Stairbuilders and Manufacturers Association stairways.org	 American Society of Landscape Architects asla.org	 International Code Council iccsafe.org	 arcat.com
 American Institute of Architects aia.org	 American Society of Interior Designers asid.org	 Construction Specifications Institute csiresources.org	 Door & Access Systems Manufacturers Association dasma.com

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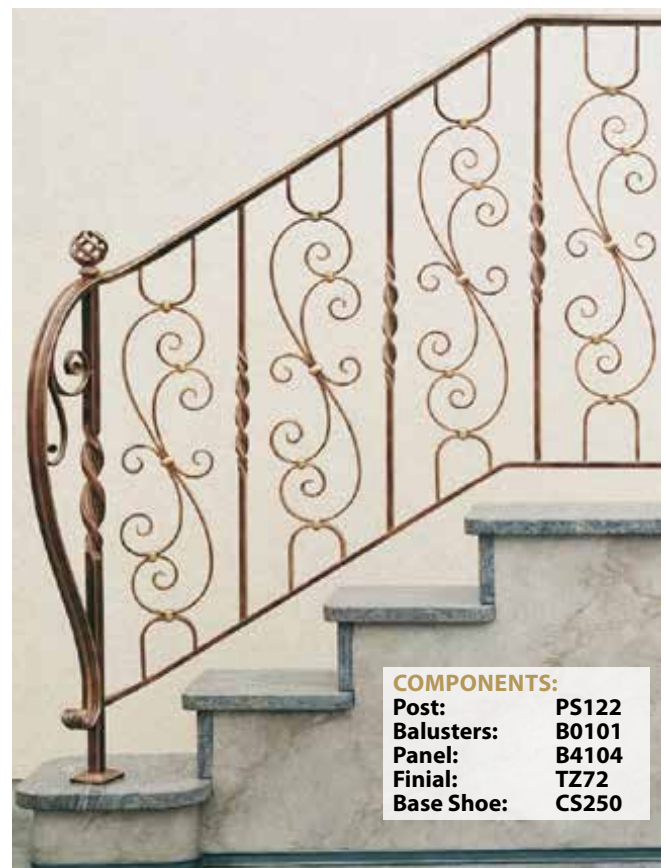
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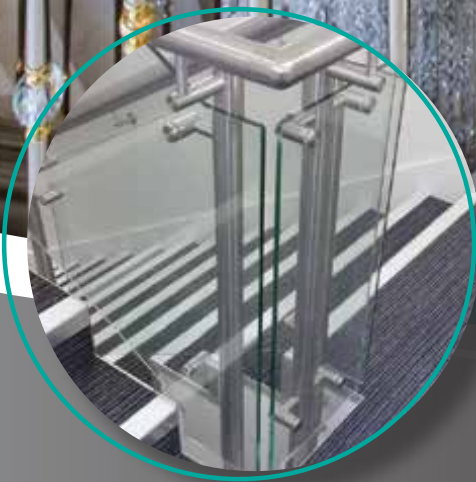
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