



55

## PRODUCT LIST

GATE COMPONENTS & PULL HANDLES

Life  
made  
easy





# 100%

Made in Comunello  
Made in Italy





A company with more than 50 years of manufacturing experience, a clear international vision based on the quality of our design, our groundbreaking technology, the solidity of our production, and our commitment to technical service and customer care.

The Comunello Group is built on a solid, reliable, well-structured manufacturing base. The group comprises 5 divisions in which all the products of each division are 100% designed and produced at company headquarters in Italy. This total control over manufacturing processes guarantees the highest levels of quality. Comunello was founded in 1965 and today exports to more than 110 countries worldwide.

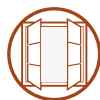




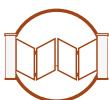
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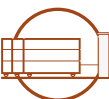
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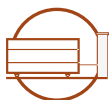
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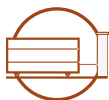
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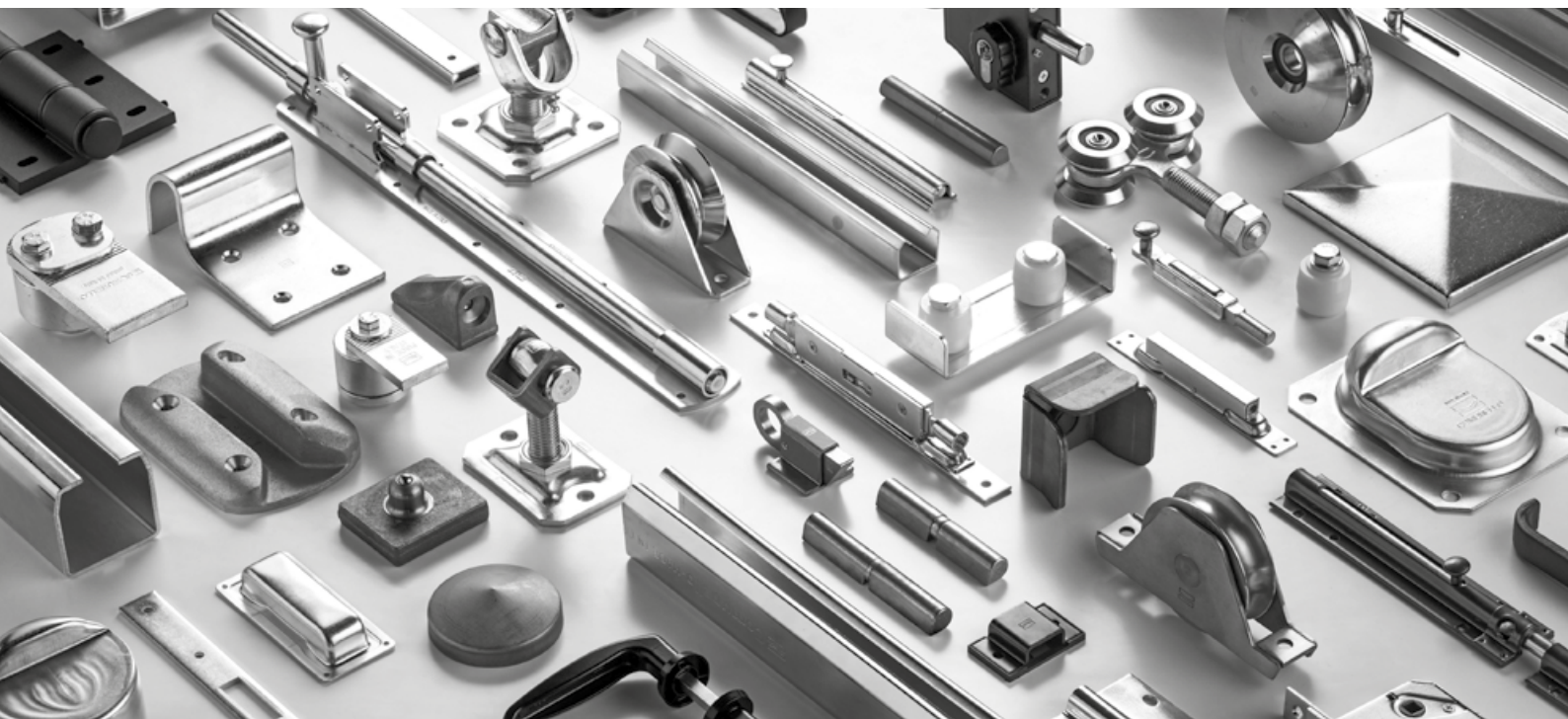
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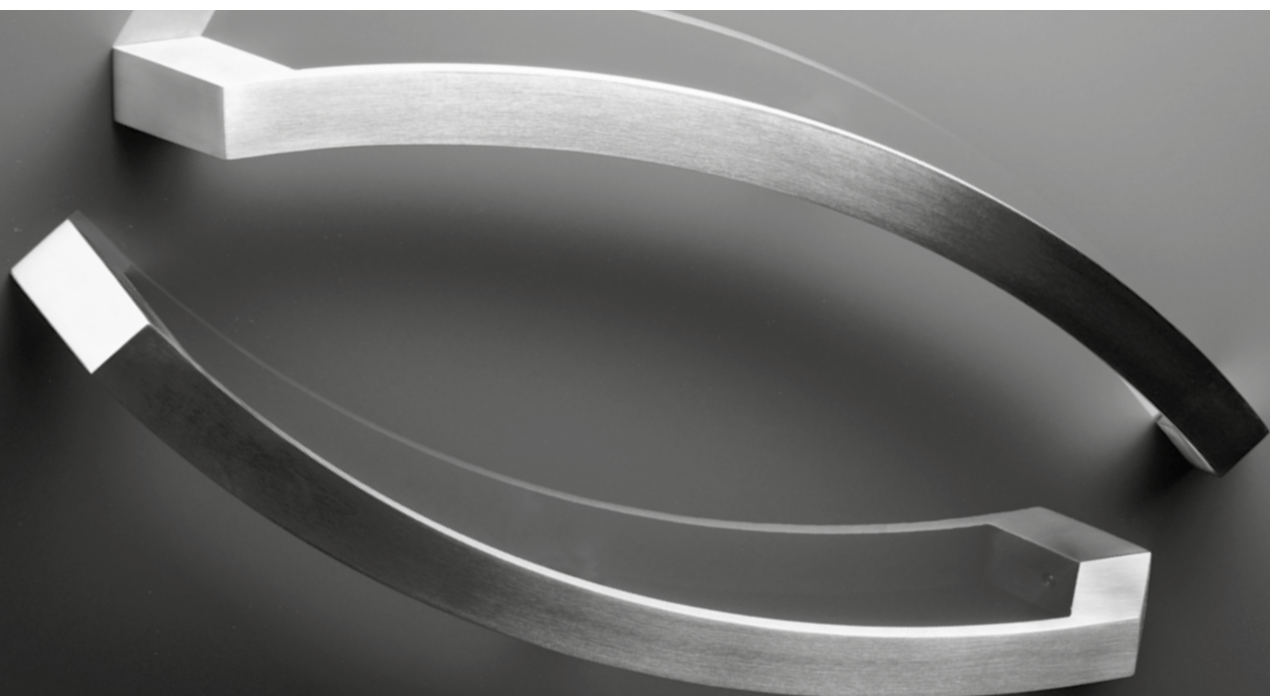
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# A huge range of the finest products.

---

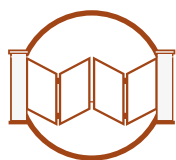
The Comunello **Gate Division** has built a reputation in **Italy and across the world** for providing the widest range of components for sliding gates and industrial doors of all weights and all sizes. Our vast range of

solutions and use of high quality materials including stainless steel and aluminium bring real value to a product offering which is truly unique and which delivers solutions for **all gate types**, whatever the size.

---







# The Albatros bi-folding gate system

- Bi-folding wide opening swing gate system
- For double gates up to 16 metres wide
- Geared hinges for smooth opening
- Fold system occupies minimal space for opening and closing
- Trackless obstacle free entranceway

PATENT  
PENDING



Connecting tube



|          |
|----------|
| ART.     |
| ABS-10-P |
| ABS-10-G |

Albatros Kit elemets



|           |
|-----------|
| ART.      |
| ABS-100-P |
| ABS-100-G |

Strike plate



|          |
|----------|
| ART.     |
| ABS-15-P |
| ABS-15-G |
| ABS-16-P |
| ABS-16-G |

With its patented revolutionary geared hinge the Albatros system offers a stable smooth opening for the biggest of bi-folding systems. This high quality precise system remains totally suspended and therefore trackless, allowing a clean obstacle free entranceway and

occupying half the space of a single leaf swing gate. The Albatros bi-folding power transmission arm is mounted on the underside of the first gate leaf and is connected to the lower geared hinge ensuring a space effective wide opening system.



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more



#### Upper hinge



ART.

85L

85PST

85

#### Bottom hinge



ART.

87

87PST

87L

#### Runaway stop



ART.

202

202F-C

239



# Pedestrian gates

## Safety cable



ART.

195

197

195i

197i

## Gate stops



ART.

200i

201

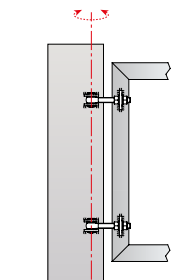
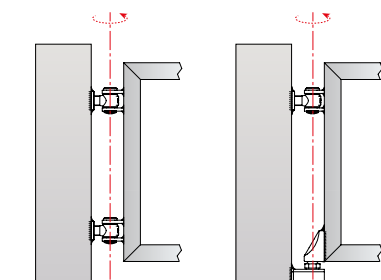
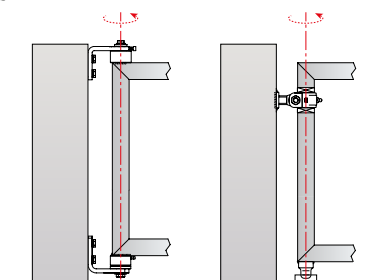
202

202F-B

202F-C



## Hinges



### Axis rotation

| ART.        | ART.       | ART.         |
|-------------|------------|--------------|
| 83          | 86i        | 172          |
| 84i         | 87P        | 180          |
| 85          | 87         | 182          |
| 85L         | 87i        | 182B         |
| 85L Square  | 87L-P      | 184          |
| 85PST       | 87L        | 185          |
| 85XL        | 87L Square | 186          |
| 85M+87M KIT | 87PST P    | 188          |
| 85G+87G KIT | 87PST      | 282          |
| 86P         | 87XL       | 285          |
| 86G         | 88         | EAGLE BOX    |
| 86L-P       | 88L        | EAGLE BOX-HG |
| 86L-G       | 88PST      | EAGLE BOX i  |
| 86PST       | 89         |              |

### Off-Axis rotation

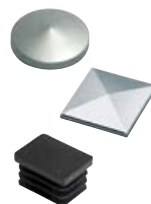
| ART.   | ART.      | ART.    |
|--------|-----------|---------|
| 90     | 116i      | 154R-CV |
| 92G    | 117       | 155     |
| 94     | 117PST    | 155B    |
| 96G    | 120       | 157CV   |
| 100    | 120i      | 157AL   |
| 100PST | 125       | 159     |
| 105    | 130       | 159R-CV |
| 105PST | 130-WH    | 160     |
| 106    | 130-WH-DX | 160B    |
| 106PST | 130-WH-SX | 160 XL  |
| 110    | 135       | 161     |
| 115    | 140       | 162     |
| 116i   | 150       | 163     |
| 115PST | 154       | 164     |

### Off-Axis rotation for 180° opening

| ART.     |
|----------|
| 174      |
| 175      |
| 176      |
| 177      |
| 177Hs700 |
| 178      |
| 178Hs700 |



### Pillar covers



| ART.  |
|-------|
| 165   |
| 165i  |
| 165Z  |
| 165N  |
| 165R  |
| 165RN |
| 165RZ |
| 165S  |
| 165ST |
| 165TN |

### Locks and accessories



| ART. |
|------|
| 73   |
| 74   |
| 78   |
| 205  |
| 209  |
| 210  |
| 211  |
| 212  |
| 213  |

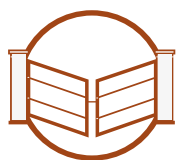
### Bolt latches



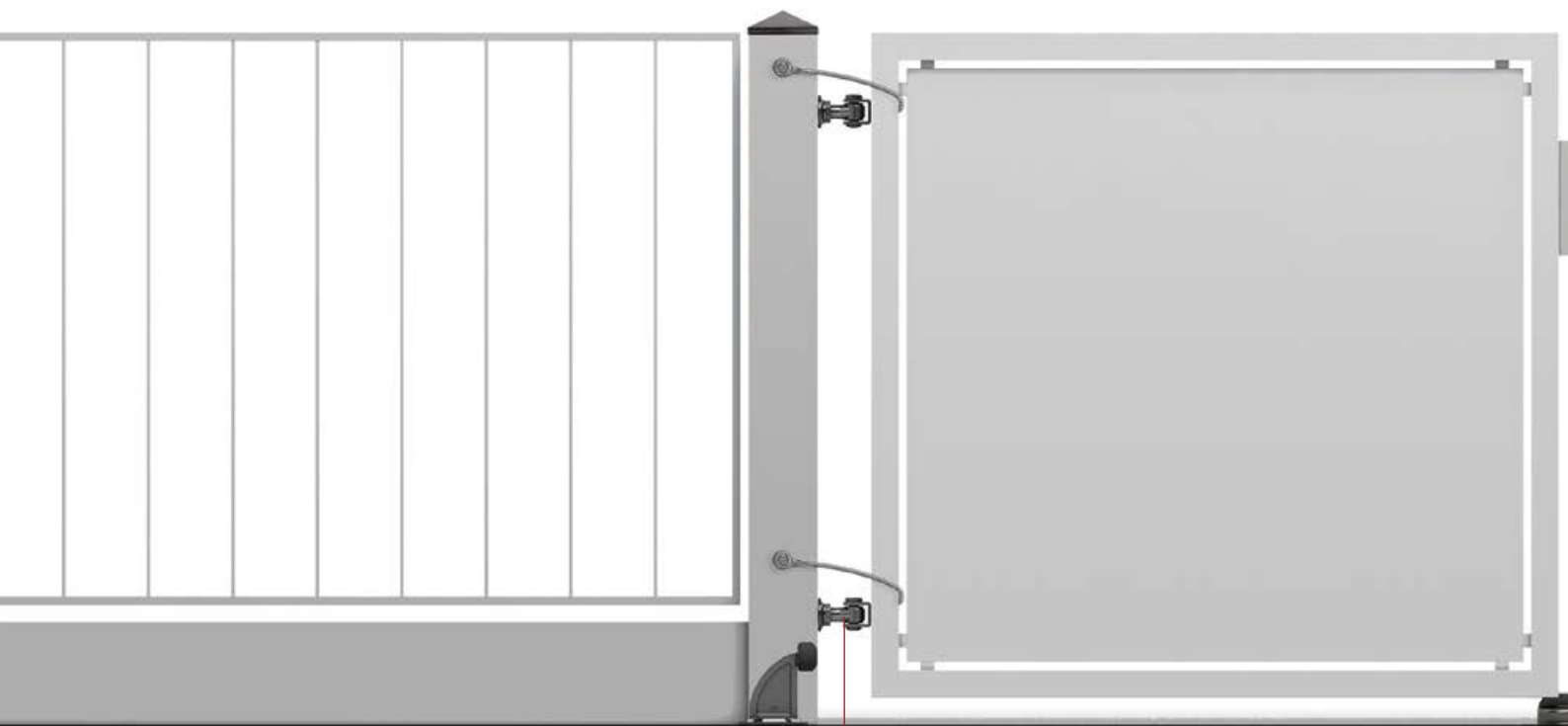
| ART. |      |
|------|------|
| 703  | 800  |
| 710  | 805  |
| 712  | 810  |
| 714  | 820  |
| 716  | 825  |
| 720  | 827  |
| 725  | 835  |
| 730i | 837  |
| 732Z | 840  |
| 732i | 840D |
| 735  | 852  |
| 737  | 855  |
| 740  | 857  |
| 745  | 860  |
| 750  | 861  |
| 752  | 862  |
| 755  | 863  |
| 760  | 864  |
| ART. | 865  |
|      | 865i |



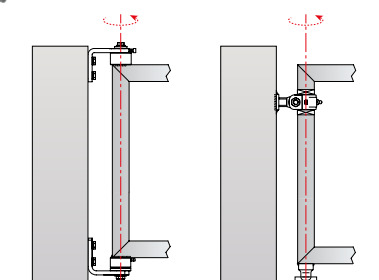
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# Residential swing gates

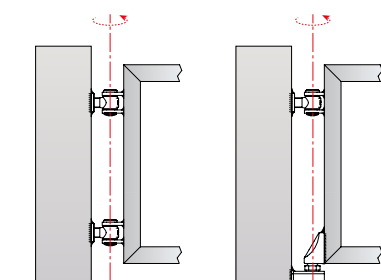


## Hinges



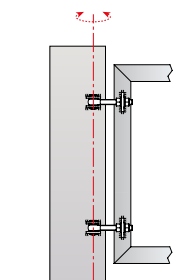
### Axis rotation

| ART.        | ART.       | ART.         |
|-------------|------------|--------------|
| 83          | 86i        | 172          |
| 84i         | 87P        | 180          |
| 85          | 87         | 182          |
| 85L         | 87i        | 182B         |
| 85L Square  | 87L-P      | 184          |
| 85PST       | 87L        | 185          |
| 85XL        | 87L Square | 186          |
| 85M+87M KIT | 87PST P    | 188          |
| 85G+87G KIT | 87PST      | 282          |
| 86P         | 87XL       | 285          |
| 86G         | 88         | EAGLE BOX    |
| 86L-P       | 88L        | EAGLE BOX-HG |
| 86L-G       | 88PST      | EAGLE BOX i  |
| 86PST       | 89         |              |



### Off-Axis rotation

| ART.   | ART.      | ART.    |
|--------|-----------|---------|
| 90     | 116i      | 154R-CV |
| 92G    | 117       | 155     |
| 94     | 117PST    | 155B    |
| 96G    | 120       | 157CV   |
| 100    | 120i      | 157AL   |
| 100PST | 125       | 159     |
| 105    | 130       | 159R-CV |
| 105PST | 130-WH    | 160     |
| 106    | 130-WH-DX | 160B    |
| 106PST | 130-WH-SX | 160 XL  |
| 110    | 135       | 161     |
| 115    | 140       | 162     |
| 116i   | 150       | 163     |
| 115PST | 154       | 164     |



### Off-Axis rotation for 180° opening

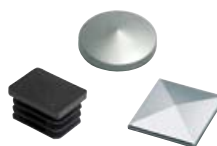
| ART.     |
|----------|
| 174      |
| 175      |
| 176      |
| 177      |
| 177Hs700 |
| 178      |
| 178Hs700 |

### Safety cable

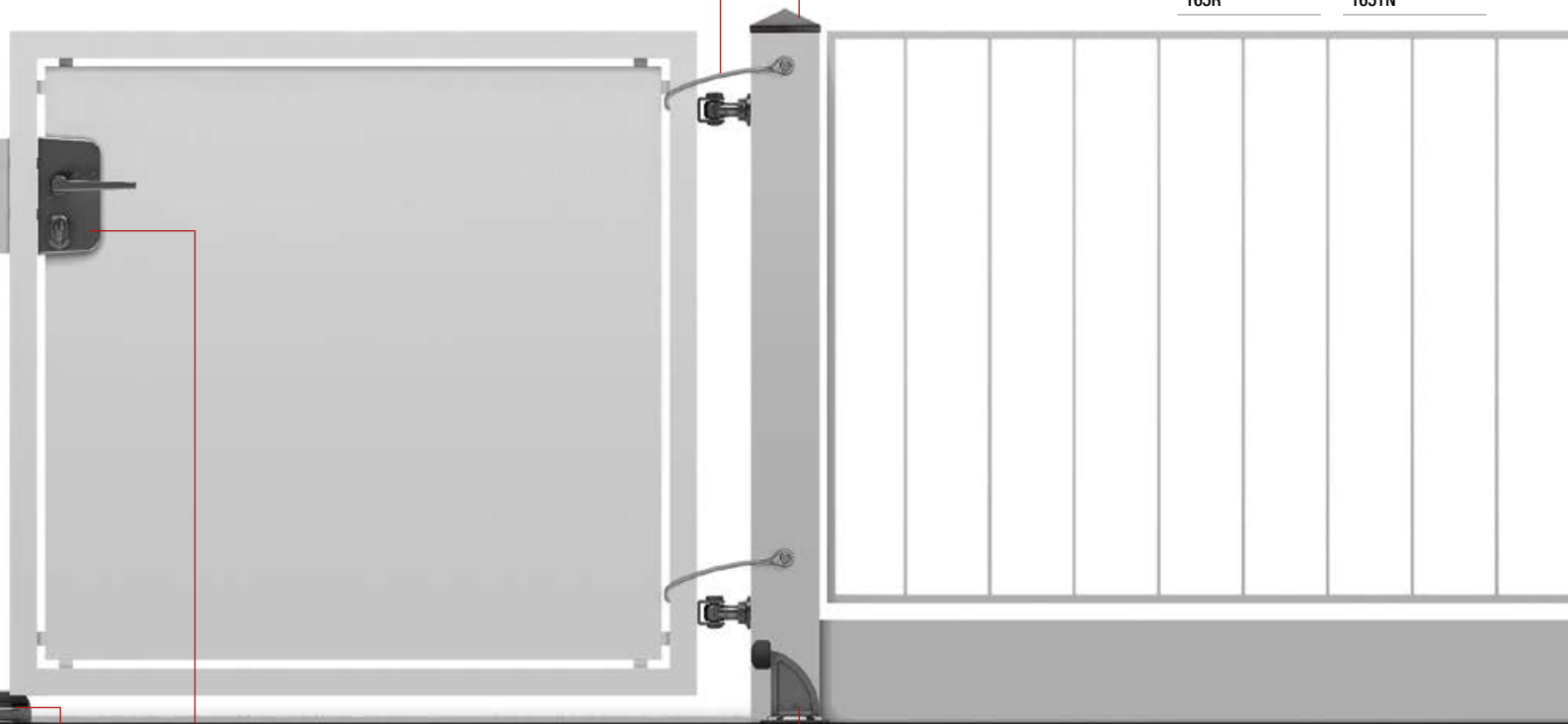


| ART. |
|------|
| 195  |
| 197  |
| 195i |
| 197i |

### Pillar covers



| ART. |       |
|------|-------|
| 165  | 165RN |
| 165i | 165RZ |
| 165Z | 165S  |
| 165N | 165ST |
| 165R | 165TN |



### Locks and accessories



| ART. |
|------|
| 73   |
| 74   |
| 78   |
| 205  |
| 209  |
| 210  |
| 211  |
| 212  |
| 213  |

### Runaway stops



| ART.   |
|--------|
| 200i   |
| 201    |
| 202    |
| 202F-B |
| 202F-C |

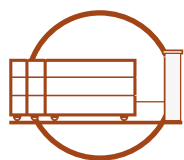
### Stops



| ART. |
|------|
| 166  |
| 167  |
| 168  |
| 169  |
| 170  |
| 170i |
| 171  |



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more



# The Ranger telescopic system

PATENT  
PENDING

The Ranger telescopic system does not use cables to transmit drive from one leaf to the next but instead it uses an innovative ground mounted rack track. This rack track transmits movement using a system of hidden pinions that connect to the side rack, motorising the next leaf.



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The simplicity of the system ensures that it very easy and rapid to install, remains reliable and requires very low maintenance. The rack tracks are brushed clean on every opening by the two cleaning brushes installed on the front and back of each leaf.



Bracket



ART.

CG-15M

CG-15P

End cup



ART.

CG-30 M

CG-30 P

CG-30 G

199

End stop



ART.

201

202

202F-A

"U" profile



ART.

RG-387.3

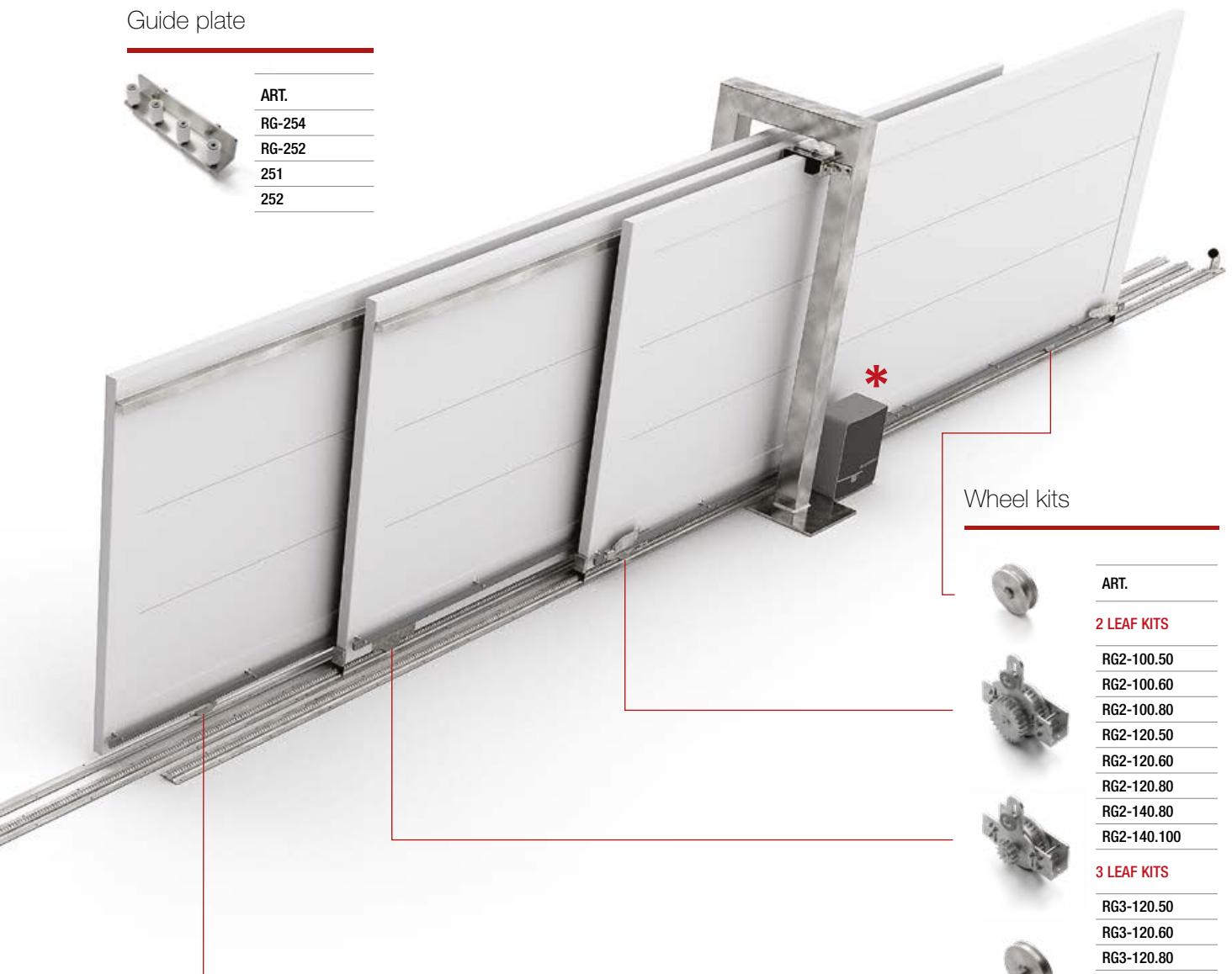
RG-387.6



## Guide plate



| ART.   |
|--------|
| RG-254 |
| RG-252 |
| 251    |
| 252    |



## Wheel kits



ART.

### 2 LEAF KITS

|             |
|-------------|
| RG2-100.50  |
| RG2-100.60  |
| RG2-100.80  |
| RG2-120.50  |
| RG2-120.60  |
| RG2-120.80  |
| RG2-140.80  |
| RG2-140.100 |



### 3 LEAF KITS

|             |
|-------------|
| RG3-120.50  |
| RG3-120.60  |
| RG3-120.80  |
| RG3-140.80  |
| RG3-140.100 |



## \* **COMUNELLO** AUTOMATION

### Actuator



| ART.        |
|-------------|
| FORT 1000   |
| FORT 1500   |
| FORT 2500-S |
| FORT 3500-S |

### Track



| ART. |
|------|
| 289  |

### Toothed tracks



| ART.                     |
|--------------------------|
| RG-30 P                  |
| RG-30 G                  |
| <a href="#">RG-30 Pi</a> |
| <a href="#">RG-30 Gi</a> |

### Racks



| ART.      |
|-----------|
| 260-22x22 |
| 262       |

### Brush kit



| ART.  |
|-------|
| RG-15 |

### Template guides



| ART.    |
|---------|
| RG-10 P |
| RG-10 G |
| RG-20   |

### Spacers

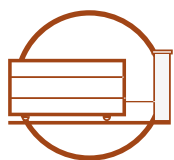


| ART. |
|------|
| 264  |
| 266  |

### Speed reduction system



| ART.   |
|--------|
| RG-40  |
| RG-45  |
| CG-58  |
| CG-58G |

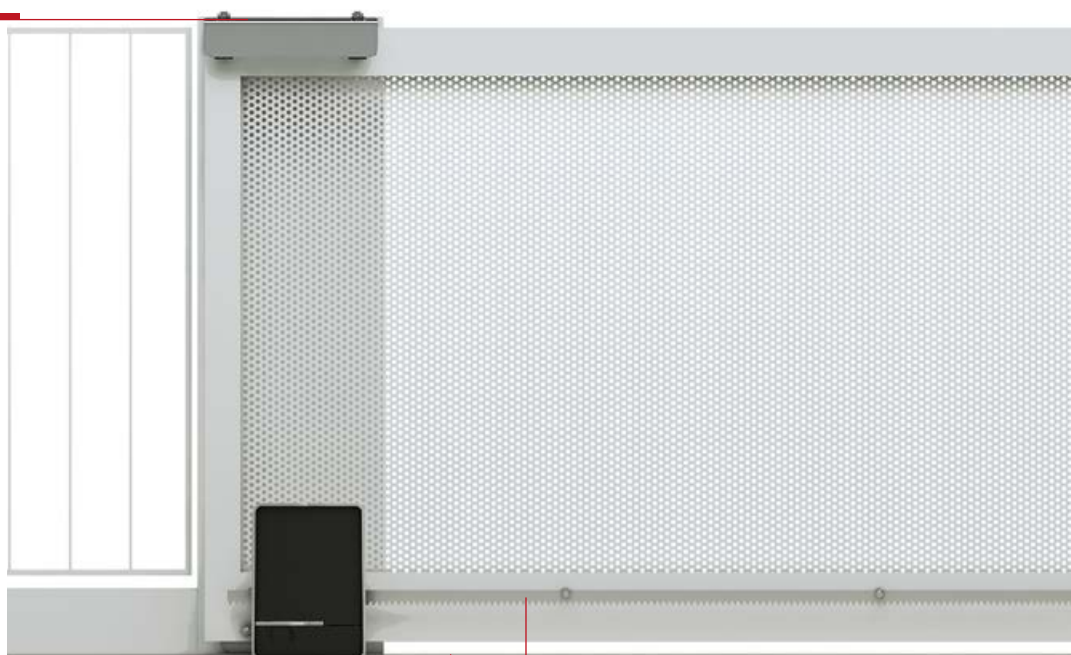


# Residential sliding gates

## Plates and rollers



| ART. | ART. |
|------|------|
| 227  | 247  |
| 228  | 247F |
| 229  | 250  |
| 230  | 250i |
| 230i | 251  |
| 231  | 252  |
| 232  | 253  |
| 232N | 254  |
| 233  | 255  |
| 235  | 255N |
| 240  | 255i |
| 242  | 257  |
| 243  | 256  |
| 244  | 258  |
| 245  |      |



## Tracks



| ART.   |
|--------|
| 287    |
| 287 FP |
| 287i   |
| 289    |
| 289i-G |
| 290    |
| 291    |
| 291i   |
| 292    |
| 293    |
| 293i   |
| 294    |
| 295    |
| 295i   |
| 297    |
| 297 G  |
| 297i   |

## Racks and supports



| ART. |
|------|
| 260  |
| 260i |
| 261  |
| 262  |
| 262i |
| 263  |
| 264  |
| 264i |
| 265  |
| 265L |
| 266  |

## Runaway stops



| ART.   |
|--------|
| 200    |
| 200i   |
| 201    |
| 202    |
| 202A   |
| 202F-A |
| 202F-C |

### Upper end



ART.

199

203

204

### Locks and accessories



ART.

205

209

210

211

212

213

215

215-S

216

217

220

222

223

### Wheels



ART.

300V

300i

300U

305i

305V

305U

306

307

308

310

309

310i

315

315i

320V

320U

320Y

322V

ART.

322U

322Y

323

324

325

325U

326V

326U

327

328

330V

330U

330Y

332

333V

333U

333Y

334

ART.

335V

335i

335U

335Y

336

336i

336U

336Y

337

337i

338

338i

339V

339U

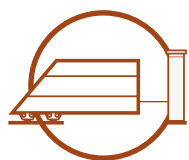
339

340

342



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# Integrator:

## The new patented cantilever system with integrated transmission gears and protected internal rack.

PATENT  
PENDING

- The pinion / rack coupling is completely protected inside the monorail housing, which guarantees **excellent protection** from ice blockage and atmospheric agents.
- Carriage with integrated pinion providing quick installation: simply **connect** the pinion to the sliding motor.
- Possibility to **adapt carriages** for use with actuators with different drive shafts, by using adapters.
- Suitable for temperatures ranging from -30° to 80° C.
- The monorails are manufactured from **high quality** steel profiles with a maximum thickness of 6 mm and are available in 3 and 6 m lengths in both galvanized and uncoated versions, depending on the different needs of the market and the installer.
- Protected moving parts for **clean aesthetics** and increased **safety** levels.



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more



### Racks



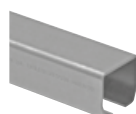
ART.

CG-50M

CG-50P

CG-50G

### Monorail



ART.

CGS-345M

CGS-345P

CGS-345G

### Templates



ART.

CG-55M

CG-55P

CG-55G

CG-10

## End cup



ART.

CG-25M



CG-25P



CG-25G

CG-30M

CG-30P

CG-30G

CG-35P

CG-35G

## Bottom end cup



ART.

CGS-346M

CGS-346P

CGS-346G

## Guide plates



ART.

CG-251



252-200



247 F

255-220

255-350

256-300

250-220

251-220

251-300

232-30

232-40

## Tension bar



ART.

CG-40

## Carriages



ART.

CGS-500.8M

CGS-500.8P

CGS-500.8G

## Adaptor



ART.

CG-58

CG-58 G

## Foundation fixing



ART.

CG-05P

CG-05G



CG-348

## End stopper for monorail



ART.

CGS-347M

CGS-347P

CGS-347G

CG-20M

CG-20P

CG-20G

CG-21M

CG-21P

CG-21G

## Wall bracket



ART.

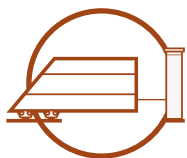
CG-15M

CG-15P

CG-15G







# The Bullet mono-carriage cantilever system

PATENT  
PENDING

- **EASY AND FAST.** The ease of installing a single mono-carriage insures an extremely rapid operation.
- **ADJUSTABLE.** The mono-carriage is adjustable in length allowing for many different gate size and weight installations.
- **ALIGNEMENT.** The alignment between the wheel units is always perfect without guides or accessories.



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## Spacers for rack



ART.

263

264

266

## Tracks



ART.

CGS-345M

CGS-345P

CGA-345M

CGA-345P

## Racks



ART.

260-22x22

262-30x12

261-26x20

## End cup



ART.

CG-25M



CG-25P



CG-30M

CG-30P

CG-35P

## Bottom end cup



ART.

CGS-346M

CGS-346P

## Guide plates



ART.

CG-251

252-200

232-30

232-40



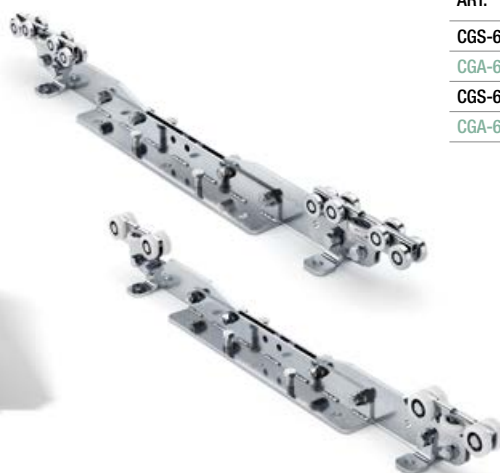
## Tension bar



ART.

CG-40

## Carriages



ART.

CGS-600.18 M

CGA-600.10 M

CGS-600.18 P

CGA-600.10 P

## Fixing template



ART.

CG-06M

CG-06P

CG-65

## End stopper for monorail



ART.

CGS-347M

CGS-347P

CGA-347M

CGA-347P

CG-20M

CG-20P

CGA-20M

CGA-20P

CG-21M

CG-21P

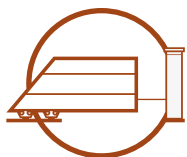
## Wall bracket



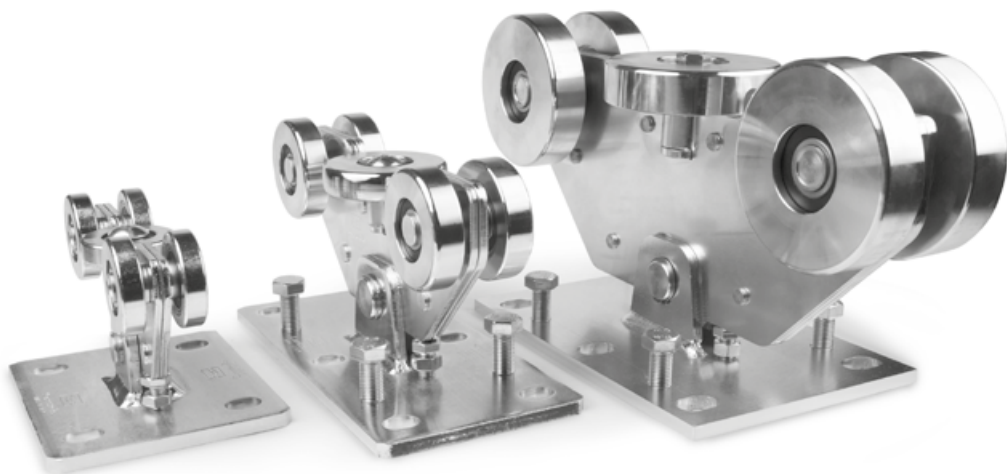
ART.

CG-15M

CG-15P



# Cantilever gate system



## 3 levels of resistance

Decreasing in the distance between the two carriages increases the load that the carriages have to bear.

Values change based on the length and weight of the gate.

**REGULAR**  
**FORCE**  
 CANTILEVER SYSTEM

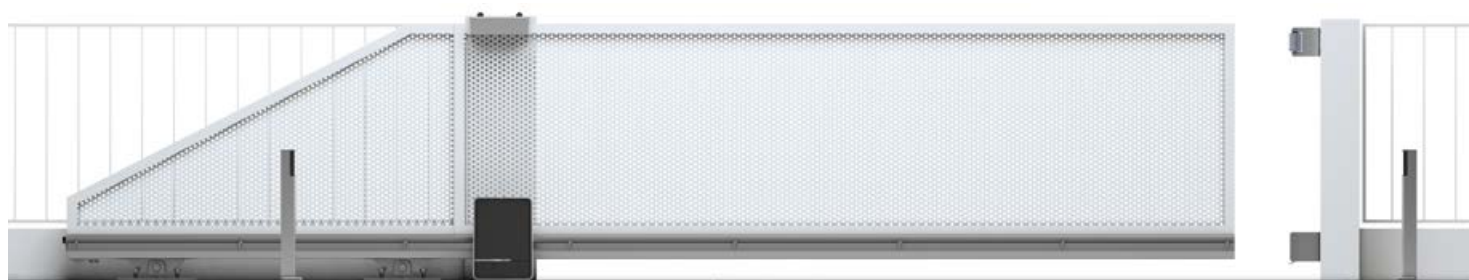
|             |             |         |
|-------------|-------------|---------|
|             |             | PICCOLO |
| CGS 150.5 P | CGA 150.5 P |         |
|             |             |         |
| CGS 150.5 M | CGA 150.5 M | MINI    |

5 wheels

**HIGH**  
**FORCE**  
 CANTILEVER SYSTEM

|             |             |         |
|-------------|-------------|---------|
|             |             | GRANDE  |
| CGS 250.5 G | CGS 250.8 G |         |
|             |             |         |
| CGS 250.5 P | CGS 250.8 P | PICCOLO |
|             |             | MINI    |
| CGS 250.5 M | CGS 250.8 M |         |
|             |             |         |
| CGS 250.5 M | CGS 250.8 M | MINI    |

5 wheels
8 wheels



Carriages



Tracks



Guide plates



Racks



End cup



Bottom end cup



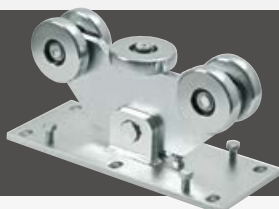
End stopper

For the complete gate configurator go to [www.comunello.com](http://www.comunello.com) > gate > configurators



CGS 350.5 XL

XL



CGS 350.5 G

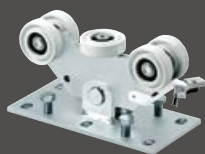


CGS 350.8 G

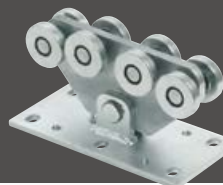
GRANDE



CGS 350.5 P  
CGi 350.5 P INOX

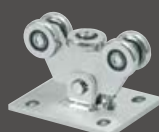


CGA 350.5 P



CGS 350.8 P

PICCOLO



CGS 350.5 M



CGA 350.5 M

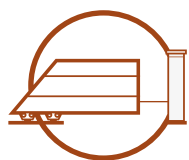


CGS 350.8 M

MINI

**5 wheels**

**8 wheels**



# Residential Cantilever gates



End stopper for monorail



ART.

CG-20M

CGA-20M

CGS-347M

CGS-347M

CGA-347P

Carriages



ART.

CGS-150.5P

CGA-150.5P

CGS-150.5M

CGA-150.5M

**REGULAR**  
**FORCE**  
CANTILEVER SYSTEM

available in **KIT**



up to 300kg and 3 m

KIT CGA-150-300K  
KIT CGS-150-300K

up to 600kg and 6 m

KIT CGA-150-600K  
KIT CGS-150-600K





Scan and  
discover  
more



## Guide plates



ART.

247

250

250i

251

252

253

255

255i

256

257

258

CG-251

CGi-251

CG-252

## End cup



ART.

CG-25M

CG-25P

CG-30M

CG-30P

## Bottom end cup



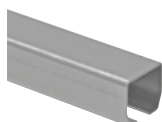
ART.

203

CGS-346

CGA-346M

## Tracks



ART.

CGS-245M

CGA-245M

CGS-245P

CGA-245P

## Racks



ART.

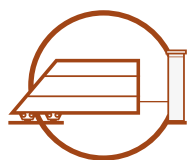
260

260i

261

262

262i



# Industrial/Residential Cantilever gates



*End stopper for monorail*



ART.

CG-20M  
CG-20P  
CG-20G  
CG-21M  
CG-21P  
CGS-347M  
CGS-347P  
CGS-347G

*Carriages*



**HIGH**  
**FORCE**  
CANTILEVER SYSTEM

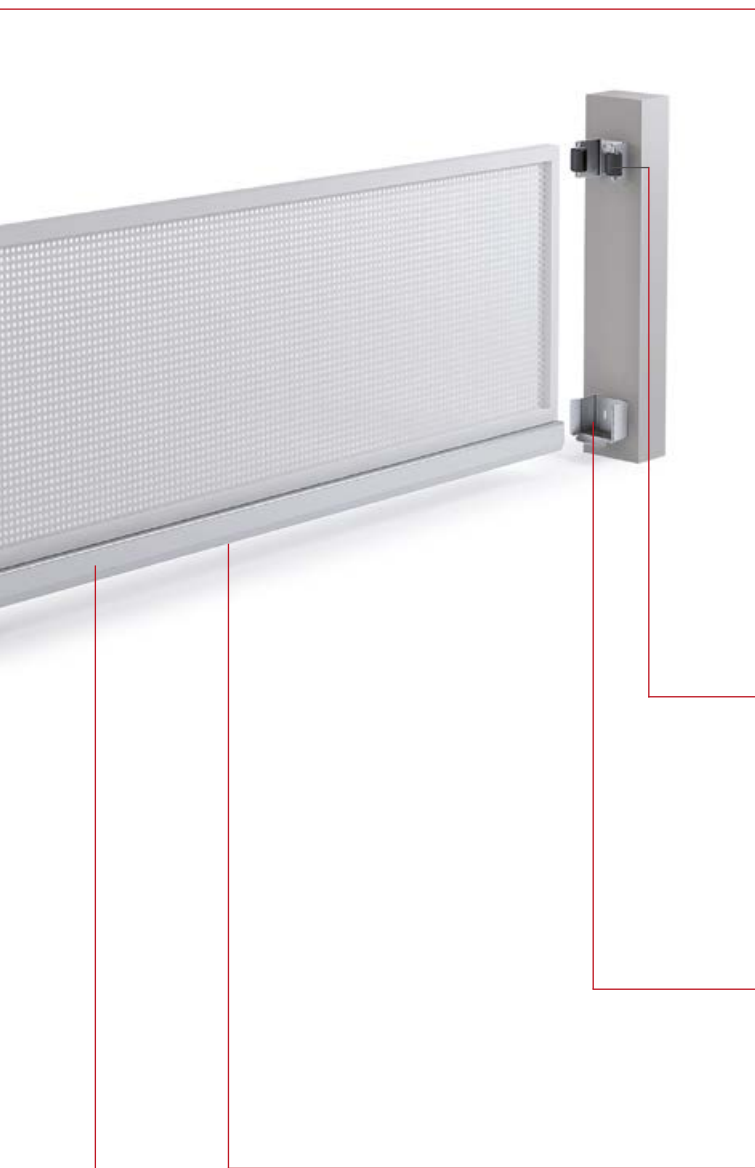


ART.

CGS-250.5M  
CGS-250.5P  
CGS-250.5G  
CGS-250.8M  
CGS-250.8P  
CGS-250.8G  
[CGi-350.5P](#)



Scan and  
discover  
more



### Guide plates



| ART.                    |
|-------------------------|
| 247                     |
| 250                     |
| <a href="#">250i</a>    |
| 251                     |
| 252                     |
| 253                     |
| 255                     |
| <a href="#">255i</a>    |
| 256                     |
| 257                     |
| 258                     |
| CG-251                  |
| <a href="#">CGi-251</a> |
| CG-252                  |

### End cup



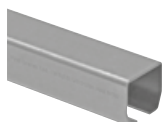
| ART.   |
|--------|
| CG-25P |
| CG-30P |
| CG-25M |
| CG-30M |

### Bottom end cup



| ART.                     |
|--------------------------|
| 203                      |
| CGS-346M                 |
| CGS-346P                 |
| <a href="#">CGi-346P</a> |

### Tracks

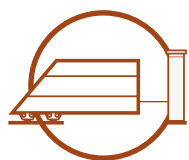


| ART.     |
|----------|
| CGS-245M |
| CGS-245P |
| CGS-245G |

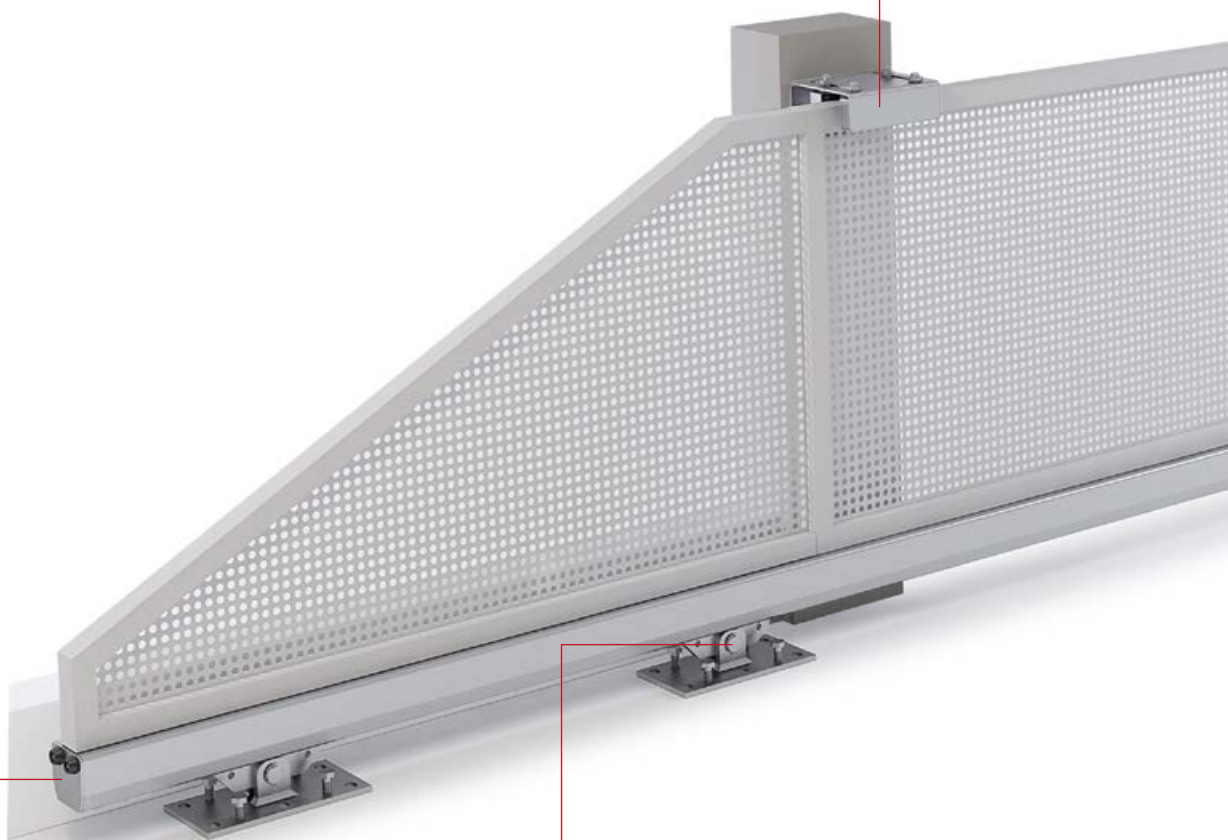
### Racks



| ART.                 |
|----------------------|
| 260                  |
| <a href="#">260i</a> |
| 261                  |
| 262                  |
| <a href="#">262i</a> |



# Industrial Cantilever gates



*End stopper for monorail*



| ART.    | ART.      |
|---------|-----------|
| CG-20M  | CGA-347M  |
| CG-20P  | CGA-347G  |
| CG-20G  | CGS-347M  |
| CG-20XL | CGS-347P  |
| CG-21M  | CGS-347G  |
| CG-21P  | CGS-347XL |
| CG-21G  | CGi-347P  |
| CGA-20M |           |
| CGA-20P |           |
| CGA-20G |           |

*Carriages*



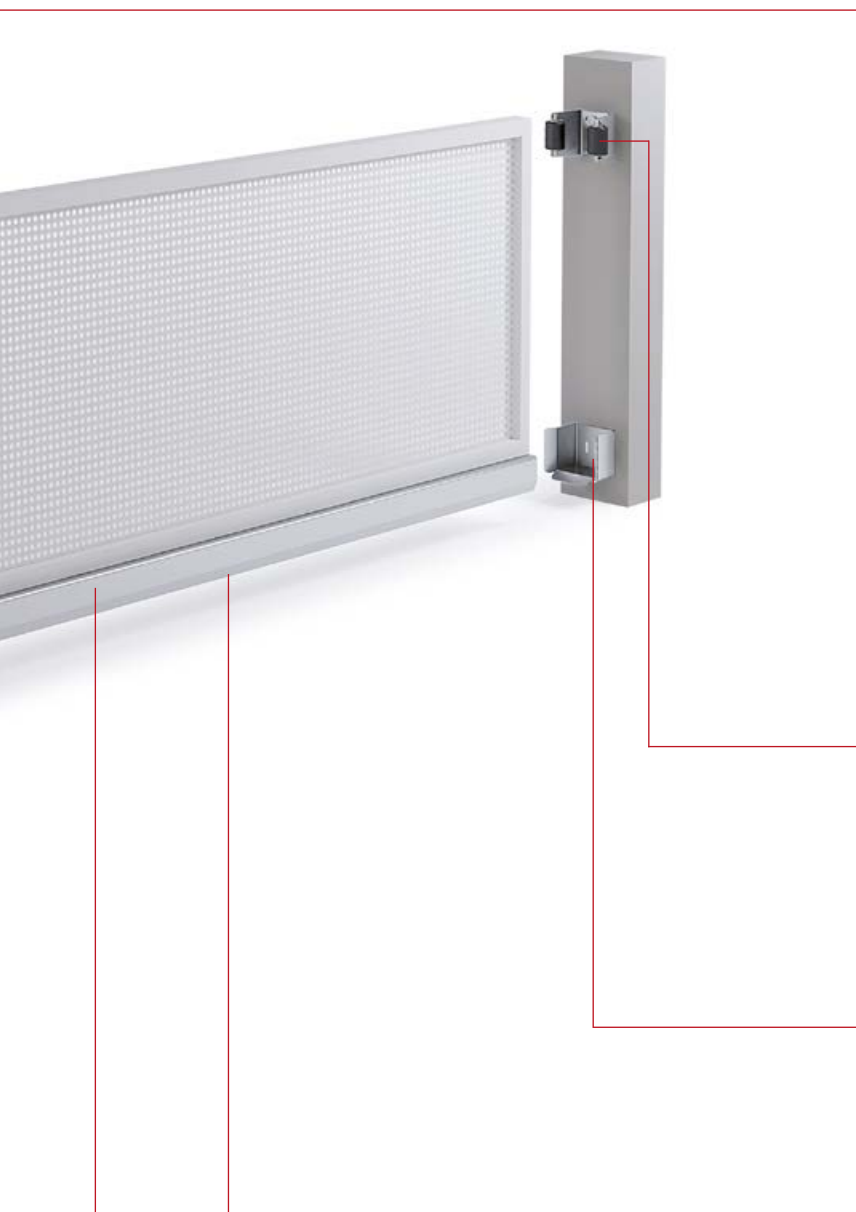
**MAX**  
**FORCE**  
CANTILEVER SYSTEM



| ART.        |
|-------------|
| CGS 350.5M  |
| CGA 350.5M  |
| CGS 350.5P  |
| CGA 350.5P  |
| CGi 350.5P  |
| CGS 350.5G  |
| CGS-350.5XL |
| CGS 350.8M  |
| CGS 350.8P  |
| CGS 350.8G  |



Scan and  
discover  
more



### Guide plates



ART.

247

250

250i

251

252

253

255

255i

256

257

258

CG-251

CGi-251

CG-252

### End cup



ART.

CG-25 G

CG-30 G

CG-25 P

CG-30 P

### Bottom end cup



ART.

203

CGS-346 G

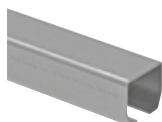
CGS-346M

CGS-346 P

CGS-346XL

CGi-346P

### Tracks



ART.

CGS-345M

CGS-345P

CGS-345G

CGS-345XL

CGA-345M

CGA-345P

CGi-345P

### Racks



ART.

260

260i

261

262

262i





# Industrial folding doors



## Lever bolts



| ART.   |
|--------|
| 690MC  |
| 693MC  |
| 694MC  |
| 696MC  |
| 698MC  |
| 691P   |
| 691G   |
| 692P   |
| 692G   |
| 693 MC |
| 695P   |

| ART.  |
|-------|
| 695G  |
| 695PM |
| 695GM |
| 680   |
| 682   |
| 683   |
| 684   |
| 685   |
| 686   |
| 687   |

## Strikes and stops



| ART. |
|------|
| 358  |
| 379  |
| 361  |
| 362  |
| 363  |
| 364  |
| 365  |
| 366  |
| 367  |
| 378  |



Scan and  
discover  
more



## Trolleys and pins



ART.

8  
8C  
10  
10C  
16C  
20C  
375P  
375G  
376P  
377  
377R  
377G-SC  
395 DX-SX  
396

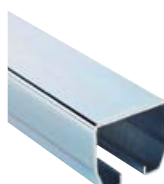
## Accessories



ART.

25  
239  
249-30  
387  
388  
239  
246  
270  
272  
RG-387

## Monorails and supports



ART.

22  
23  
24  
26  
28  
34  
398  
399  
352  
354-185  
354-330  
355  
355S  
356

## Hinges and accessories

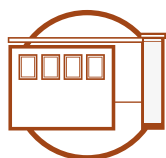


ART.

A370P  
A371P  
A380P  
A381P  
A380G  
A380R  
A381G  
A384P  
A385P  
P365  
P365R  
P368I

ART.

P368S  
P368M  
P370  
P371  
P380  
P381  
P385  
R383-13.5  
R383-33  
R378  
400



# Industrial sliding doors



## Lever bolts



| ART.   | ART.  |
|--------|-------|
| 690MC  | 695G  |
| 693MC  | 695PM |
| 694MC  | 695GM |
| 696MC  | 680   |
| 698MC  | 682   |
| 691P   | 683   |
| 691G   | 684   |
| 692P   | 685   |
| 692G   | 686   |
| 693 MC | 687   |
| 695P   |       |

## Handles



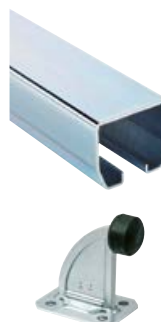
| ART. |
|------|
| 671  |
| 674  |
| 675  |
| 677  |
| 678  |
| 679  |
| 679i |
| 270  |
| 270i |
| 272  |



Scan and  
discover  
more



## Monorails and accessories

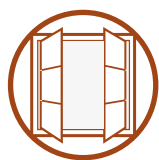


| ART.    |
|---------|
| 22      |
| 23      |
| 24      |
| 25      |
| 30      |
| 32      |
| 36      |
| 398G    |
| 399P    |
| 352     |
| 354-185 |
| 354-330 |
| 355     |
| 355S    |
| 356     |
| 246     |
| 200G    |
| 202G    |
| 202F-A  |

## Trolleys



| ART.  | ART. | ART.    |
|-------|------|---------|
| 2     | 40   | 54      |
| 2C    | 41   | 56      |
| 2C NY | 43   | 60      |
| 4     | 44   | 248     |
| 4C    | 46   | 375G    |
| 4C NY | 48   | 375P    |
| 38    | 50   | 376P    |
| 39    | 52   | 377G-SC |



## Hinges for metal frames





Scan and  
discover  
more



### Hinges with extractable pivot



| ART. | ART.  | ART. | ART.                 | ART.                 |
|------|-------|------|----------------------|----------------------|
| 402  | 425PS | 458  | 485                  | <a href="#">425i</a> |
| 402Z | 431   | 459  | 487                  | <a href="#">458i</a> |
| 405  | 440   | 460  | <a href="#">402i</a> | <a href="#">460i</a> |
| 405Z | 445   | 465  | <a href="#">405i</a> | <a href="#">470i</a> |
| 410  | 450   | 470  | <a href="#">410i</a> | <a href="#">480i</a> |
| 410Z | 455   | 475  | <a href="#">415i</a> | <a href="#">485i</a> |
| 415  | 456   | 480  | <a href="#">440i</a> |                      |
| 415Z | 457   | 482  | <a href="#">450i</a> |                      |

### "Futura" hinges



| ART. | ART. | ART. |
|------|------|------|
| 570  | 575  | 578  |
| 572  | 576  |      |
| 574  | 577  |      |

### Plug welded hinges



| ART.    | ART.                 |
|---------|----------------------|
| 411TRIS | 430SX                |
| 420     | <a href="#">420i</a> |
| 425     | <a href="#">425i</a> |
| 430DX   |                      |

### Drop profile hinges



| ART. | ART. | ART.                 |
|------|------|----------------------|
| 490  | 496  | <a href="#">500i</a> |
| 492  | 497  | 560                  |
| 494  | 498  | 564                  |
| 495  | 500  |                      |

### Long wing hinges



| ART. | ART. |
|------|------|
| 505  | 520  |
| 510  | 525  |
| 515  | 530  |

### Hinges for armored doors



| ART. | ART. | ART. |
|------|------|------|
| 540  | 544  | 548  |
| 541  | 545  | 590  |
| 542  | 546  | 591  |
| 543  | 547  |      |

### Hinges for railing

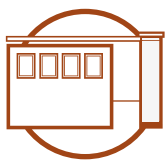


| ART. | ART. |
|------|------|
| 435  | 607  |
| 436  | 608  |
| 437  | 609  |





Life  
made  
easy



# Sliding Doors Hardware

 **COMUNELLO****GATE**

2



Trolley with 2 wheels  
Chariot à 2 galets  
Zweirädriger Rollenapparat

| Code         | Art.       | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------|------------|-------------|----------|---------|
| 10100505 001 | <b>2-P</b> | Piccolo Ø24 | Galvanized | 30          | 16       | 1.20    |

2C



Trolley with two wheels and bearing  
Chariot à 2 galets avec roulement  
Zweirädriger Rollenapparat  
mit Kugellager

| Code         | Art.        | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------------|------------|-------------|----------|---------|
| 10100610 001 | <b>2C-M</b> | Medio Ø44  | Galvanized | 250         | 16       | 5.20    |
| 10100615 001 | <b>2C-G</b> | Grande Ø54 | Galvanized | 350         | 16       | 10.82   |

**NEW**  
2C NY



Trolley with two nylon wheels and bearing  
Chariot à 2 galets en nylon avec roulement  
Zweirädriger Nylon Rollenapparat mit Kugellager

| Code         | Art.           | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|-------------|----------|---------|
| 19918600 001 | <b>2C-M NY</b> | Medio Ø44 | Galvanized | 250         | 16       | 3,73    |

4



Trolley with four wheels  
Chariot à 4 galets  
Vierrädriger Rollenapparat

| Code         | Art.       | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------|------------|-------------|----------|---------|
| 10101005 001 | <b>4-P</b> | Piccolo Ø24 | Galvanized | 50          | 16       | 2.14    |

4C

PATENTED



Trolley with four wheels and bearing  
Chariot à 4 galets avec roulement  
Vierrädriger Rollenapparat mit Kugellager

| Code         | Art.        | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------------|------------|-------------|----------|---------|
| 10101110 001 | <b>4C-M</b> | Medio Ø44  | Galvanized | 280         | 16       | 9.28    |
| 10101115 001 | <b>4C-G</b> | Grande Ø54 | Galvanized | 400         | 16       | 19.55   |

**NEW**  
4C NY

PATENTED



Trolley with 4 nylon wheels and bearing  
Chariot à 4 galets en nylon avec roulement  
Vierädriger Nylon Rollenapparat mit Kugellager

| Code         | Art.           | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|-------------|----------|---------|
| 19918605 001 | <b>4C-M NY</b> | Medio Ø44 | Galvanized | 280         | 16       | 6,40    |



| Code         | Art.       | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------|------------|-------------|----------|---------|
| 10102005 001 | <b>8-P</b> | Piccolo Ø24 | Galvanized | 30          | 16       | 1.76    |


**8**

Turning trolley with two wheels  
Chariot à 2 galets pivotant  
Zweirädriger Schwenkrollenapparat

| Code         | Art.        | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------------|------------|-------------|----------|---------|
| 10102110 001 | <b>8C-M</b> | Medio Ø44  | Galvanized | 250         | 16       | 10.66   |
| 10102115 001 | <b>8C-G</b> | Grande Ø54 | Galvanized | 350         | 16       | 19.86   |


**PATENTED**
**8C**

Turning trolley with two wheels and bearings  
Chariot à 2 galets pivotant avec roulements  
Zweirädriger Schwenkrollenapparat mit Kugellagern

| Code         | Art.        | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-------------|------------|-------------|----------|---------|
| 10102505 001 | <b>10-P</b> | Piccolo Ø24 | Galvanized | 50          | 16       | 2.69    |


**10**

Turning trolley with four wheels  
Chariot à 4 galets pivotant  
Vierrädriger Schwenkrollenapparat

| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10102610 001 | <b>10C-M</b> | Medio Ø44  | Galvanized | 280         | 16       | 15.02   |
| 10102615 001 | <b>10C-G</b> | Grande Ø54 | Galvanized | 350         | 16       | 26.99   |


**PATENTED**
**10C**

Turning trolley with four wheels and bearings  
Chariot à 4 galets pivotant avec roulements  
Vierrädriger Schwenkrollenapparat mit Kugellagern

| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10103610 001 | <b>16C-M</b> | Medio Ø44  | Galvanized | 280         | 16       | 14.27   |
| 10103615 001 | <b>16C-G</b> | Grande Ø54 | Galvanized | 300         | 16       | 22.99   |


**PATENTED**
**16C**

Trolley with four wheels, bearings and 3 wings hinge  
Chariot avec 4 galets, roulements et paumelle à 3 ailes  
Vierrädriger Rollenapparat mit Kugellager und 3-Lasche-Torband

| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10104610 001 | <b>20C-M</b> | Medio Ø44  | Galvanized | 280         | 16       | 12.35   |
| 10104615 001 | <b>20C-G</b> | Grande Ø54 | Galvanized | 300         | 16       | 22.22   |


**PATENTED**
**20C**

Trolley with four wheels, bearings and one wing hinge  
Chariot avec 4 galets, roulements et paumelle à 1 aile  
Vierrädriger Rollenapparat mit Kugellager und 1 Lasche-Torband

## 22

Ceiling support for track art.24  
Support au plafond pour rail art.24  
Decke-Lager für Stahlprofil Artikel 24



| Code         | Art.        | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|---------|------------|-------------|----------|---------|
| 10605005 001 | <b>22-P</b> | Piccolo | Galvanized |             | 10       | 3.50    |
| 10605000 001 | <b>22-M</b> | Medio   | Galvanized |             | 10       | 4.60    |
| 10605010 001 | <b>22-G</b> | Grande  | Galvanized |             | 6        | 4.51    |

## 23

Wall support for track art.24  
Support au mur pour rail art.24  
Wand-Lager für Stahlprofil Artikel 24



| Code         | Art.        | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|---------|------------|-------------|----------|---------|
| 10605505 001 | <b>23-P</b> | Piccolo | Galvanized |             | 10       | 3.70    |
| 10605500 001 | <b>23-M</b> | Medio   | Galvanized |             | 10       | 6.18    |
| 10605510 001 | <b>23-G</b> | Grande  | Galvanized |             | 6        | 4.02    |

## 24

Track for trolleys small-medium-large  
Rail pour chariots petit-moyen-grand  
Stahlprofil für Rollenaufhängung  
klein, medium, groß



| Code         | Art.        | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|----------------|------------|-------------|----------|---------|
| 10200505 001 | <b>24-P</b> | Piccolo L=6000 | Galvanized |             | 1        | 7.50    |
| 10200510 001 | <b>24-M</b> | Medio L=6000   | Galvanized |             | 1        | 19.00   |
| 10200515 001 | <b>24-G</b> | Grande L=6000  | Galvanized |             | 1        | 30.00   |
| 10200503 001 | <b>24-P</b> | Piccolo L=3000 | Galvanized |             | 1        | 3.75    |
| 10200508 001 | <b>24-M</b> | Medio L=3000   | Galvanized |             | 1        | 9.50    |
| 10200514 001 | <b>24-G</b> | Grande L=3000  | Galvanized |             | 1        | 15.00   |

## 25

Runaway stop for Track 24  
Boutoir de fin de course pour rail 24  
Torendpuffer für Rollenaufhängung 24



| Code         | Art.          | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------------|------------|-------------|----------|---------|
| 10704805 001 | <b>25-P/M</b> | Piccolo/Medio | Galvanized |             | 12       | 1.68    |
| 10704810 001 | <b>25-G</b>   | Grande        | Galvanized |             | 12       | 3.60    |

## 26

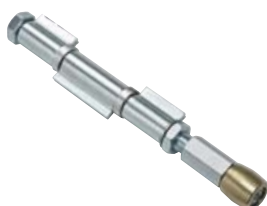
Bottom pivot with 1 wing  
hinge and brass roller  
Pivot inférieur avec paumelle à  
1 aile et rouleau en laiton  
Unteres Führungsband mit 1-Lasche  
und Führungsrolle aus Messing



| Code         | Art.        | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|--------|------------|-------------|----------|---------|
| 10300505 001 | <b>26-M</b> | Medio  | Galvanized |             | 16       | 5.71    |
| 10300510 001 | <b>26-G</b> | Grande | Galvanized |             | 16       | 7.62    |

## 28

Bottom pivot with 3 wings  
hinge and brass roller  
Pivot inférieur avec paumelle à  
3 ailes et rouleau en laiton  
Unteres Führungsrolle mit 3-Lasche  
und Führungsrolle aus Messing



| Code         | Art.        | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|--------|------------|-------------|----------|---------|
| 10301005 001 | <b>28-M</b> | Medio  | Galvanized |             | 16       | 7.78    |
| 10301010 001 | <b>28-G</b> | Grande | Galvanized |             | 16       | 9.04    |



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10301505 001 | <b>30-25</b> | Ø25  | Galvanized |             | 20       | 3.04    |


**30**

Threaded pivot with brass roller  
Pivot taraudé avec rouleau en laiton  
Bolzen mit Gewinde und Führungsrolle aus Messing

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10400505 001 | <b>32-34</b> | Ø34  | Galvanized |             | 20       | 5.24    |


**32**

Steel switcher with roller  
Déviateur en acier avec rouleau  
Ablenker mit Stahlführungsrolle

| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10500505 001 | <b>34-M</b> | M12  | Galvanized |             | 20       | 3.62    |
| 10500510 001 | <b>34-G</b> | M20  | Galvanized |             | 20       | 9.54    |


**34**

Turning plate with bearing for trolleys  
Platine pivotante avec roulement pour chariots  
Schwenkplatte mit Kugellager für Rollenapparate

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10302005 001 | <b>36-25</b> | Ø25  | Galvanized |             | 20       | 5.72    |
| 10302010 001 | <b>36-30</b> | Ø30  | Galvanized |             | 20       | 6.50    |


**36**

Bottom guide with brass roller  
Guide inférieure avec rouleau en laiton  
Untere Führungsplatte mit Messing-Führungsrolle

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10105505 001 | <b>38-24</b> | Ø24  | Galvanized | 30          | 50       | 7.00    |


**38**

Bottom guide with brass roller  
Guide inférieure avec rouleau en laiton  
Untere Führungsplatte mit Messing-Führungsrolle

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10106005 001 | <b>39-24</b> | Ø24  | Galvanized | 30          | 50       | 6.15    |


**39**

Trolley with 2 nylon wheels  
Chariot avec 2 galets en nylon  
Rollenapparat mit 2-Nylon-Rollen



## 40

Trolley with 4 wheels  
Chariot avec 4 galets  
Vierrädriger Rollenapparat



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10106505 001 | <b>40-24</b> | Ø24  | Galvanized | 50          | 50       | 11.85   |

## 41

Trolley with 4 nylon wheels  
Chariot avec 4 galets en nylon  
Vierrädriger Rollenapparat  
mit Nylon-Rollen



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10107005 001 | <b>41-24</b> | Ø24  | Galvanized | 50          | 50       | 10.20   |

## 42

Plate for trolleys  
Plaquette pour chariots  
Platte für Rollenapparat



| Code         | Art.       | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|---------|------------|-------------|----------|---------|
| 10501005 001 | <b>42P</b> | Piccolo | Galvanized |             | 50       | 2.50    |
| 10501010 001 | <b>42G</b> | Grande  | Galvanized |             | 50       | 2.50    |

## 43

2 Wheels trolley with bracket  
Chariot à 2 galets avec bride  
Zweirädriger Rollenapparat  
mit Befestigungsbügel



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10107505 001 | <b>43-24</b> | Ø24  | Galvanized | 30          | 100      | 7.50    |

## 44

2 Wheel trolley with long bracket  
Chariot à 2 galets avec bride longue  
Zweirädriger Rollenapparat mit  
langem Befestigungsbügel



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10108005 001 | <b>44-24</b> | Ø24  | Galvanized | 30          | 100      | 9.40    |

## 46

Trolley with 2 wheels and  
long bended bracket  
Chariot à 2 galets avec bride  
longue et courbée  
Zweirädriger Rollenapparat mit  
gekröpftem Befestigungsbügel



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10108505 001 | <b>46-24</b> | Ø24  | Galvanized | 30          | 100      | 9.40    |



| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10109005 001 | <b>48-24</b> | Ø24  | Galvanized | 15          | 100      | 6.20    |


**48**

Trolley with 1 wheel and bracket  
 Chariot à 1 galet avec bride  
 Einrädiger Rollenapparat  
 mit Befestigungsbügel

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10109505 001 | <b>50-24</b> | Ø24  | Galvanized | 30          | 100      | 8.40    |


**50**

Trolley with 2 wheels and bracket  
 Chariot à 2 galets avec bride  
 Zweirädiger Rollenapparat  
 mit Befestigungsbügel

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10110005 001 | <b>52-24</b> | Ø24  | Galvanized | 30          | 100      | 8.20    |


**52**

Trolley with 2 wheels and bended bracket  
 Chariot à 2 galets avec bride courbée  
 Zweirädiger Rollenapparat mit gekrüpftem  
 Carro con 2 ruedas con placa curvada

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10110505 001 | <b>54-24</b> | Ø24  | Galvanized | 50          | 100      | 16.00   |


**54**

Trolley with 4 wheels and large bracket  
 Chariot à 4 galets avec bride large  
 Vierrädiger Rollenapparat mit  
 breitem Befestigungsbügel

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10111005 001 | <b>56-24</b> | Ø24  | Galvanized | 50          | 100      | 16.10   |


**56**

Trolley with 4 wheels and  
 large bended bracket  
 Chariot à 4 galets avec bride large courbée  
 Vierrädiger Rollenapparat mit gekrüpftem  
 breitem Befestigungsbügel

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10111505 001 | <b>60-24</b> | Ø24  | Galvanized | 50          | 50       | 9.55    |


**60**

Trolley with 4 wheels and  
 hook holder bracket  
 Chariot à 4 galets avec  
 bride porte-crochet  
 Vierrädiger Rollenapparat  
 mit Einhängelbohrung

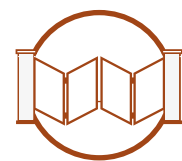


# Albatros

PATENT  
PENDING



An innovative bi-folding  
swing gate system  
offering maximum opening  
in confined spaces.



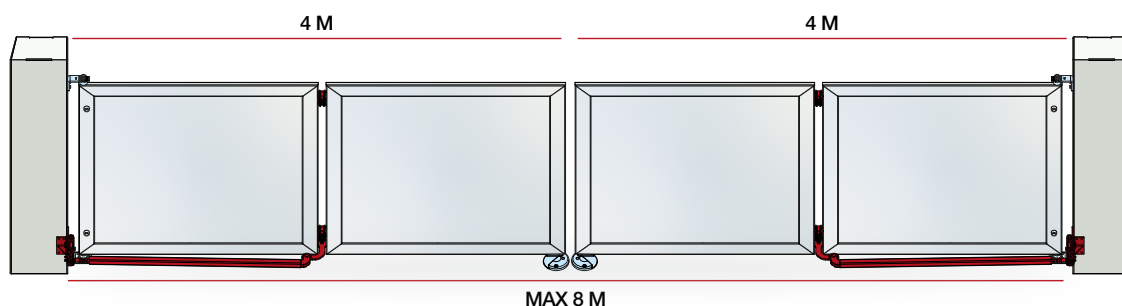
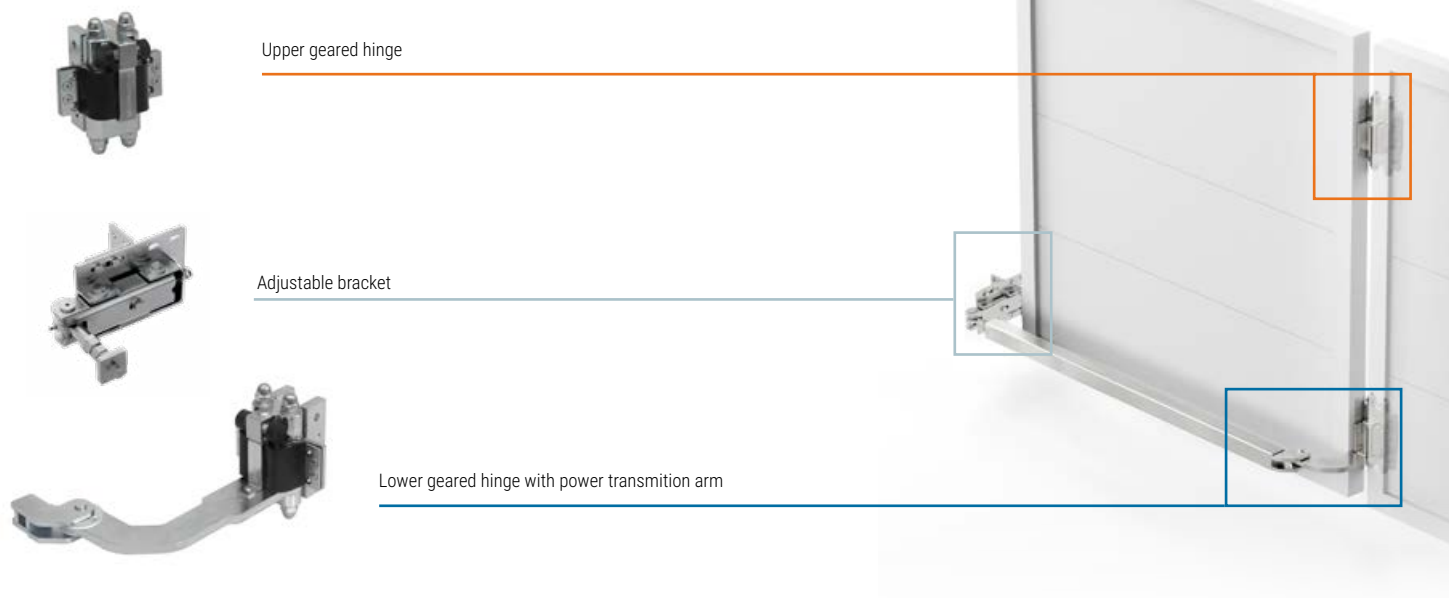
NEW

## ABS-100-P

Ambidextre Albatros Kit including 2 hinges and movement system  
Kit Albatros ambidextre comprenant 2 paumelles et système de mouvement  
beidhändig Albatros Kit mit 2 Scharniere und Bewegungssystem

| Code         | Art.      | Size          | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------|---------------|------------|----------|---------|
| 11640910 001 | ABS-100-P | DX-SX Piccolo | Galvanized | 1        | 10,5    |

PATENT PENDING



NEW

## ABS-10-P

Hinge-pillar connection tubular  
Tubulaire de raccordement paumelle-pilier  
Scharnier-Pfeiler Verbindung Schlauchreifen



| Code     | Art.     | Size             | Finishing | Pcs/pack | Kg/pack |
|----------|----------|------------------|-----------|----------|---------|
| 11640913 | ABS-10-P | 40X40 sp. 3 - 3m | Raw       | 1        | 10,00   |

NEW

## ABS-15-P

Kit turned floor strike plate  
Kit Butoir au sol tourné  
Gedrehselt Bodenanschlag Kit



| Code         | Art.     | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------|-----------|------------|----------|---------|
| 11640911 001 | ABS-15-P | D160 H=30 | Galvanized | 1        | 1,40    |

NEW

## ABS-16-P

Kit molded floor strike plate  
Kit Butoir au sol moulé  
Formgepressten Bodenanschlag Kit



| Code         | Art.     | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------|-----------|------------|----------|---------|
| 11640912 001 | ABS-16-P | D160 H=30 | Galvanized | 1        | 0,8     |

### Compatible accessories

#### Upper hinge



#### ART.

85L-G  
85PST-G  
85-G

#### Bottom hinge



#### ART.

87-G  
87PST-G  
87L

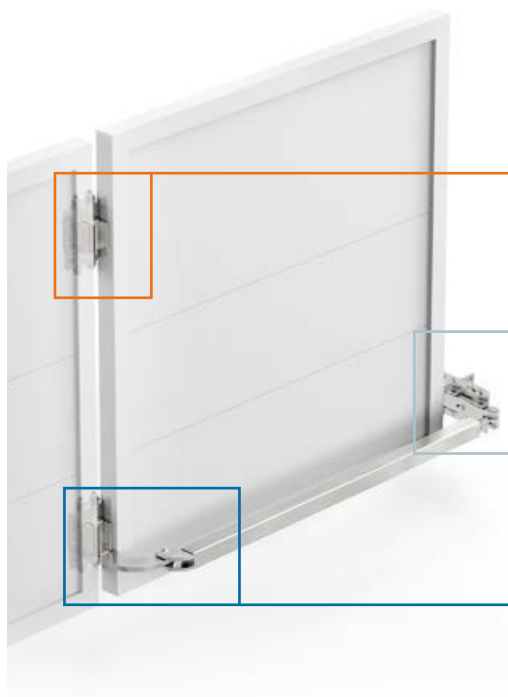
#### Runaway stop



202P  
202G  
202F-C  
239

**NEW**

| Code         | Art.             | Size         | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------------|--------------|------------|----------|---------|
| 11640900 001 | <b>ABS-100-G</b> | DX-SX Grande | Galvanized | 1        | 22,1    |

**PATENT PENDING**


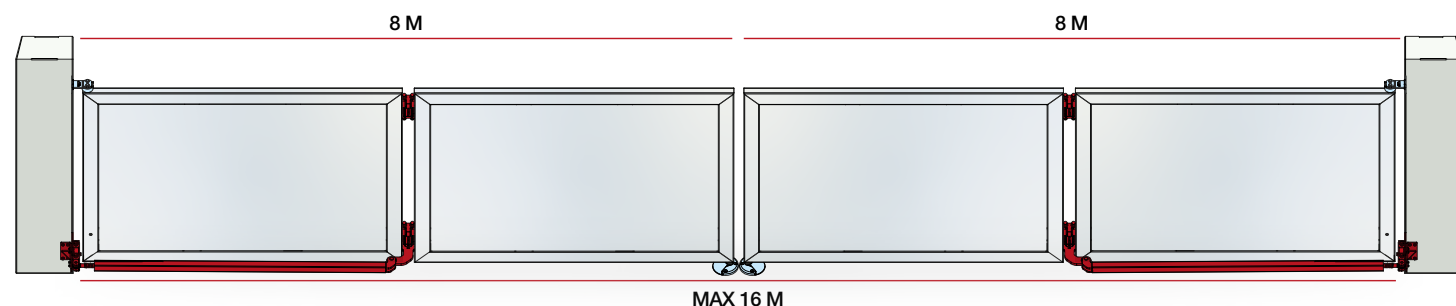
## ABS-100-G

Ambidextre Albatros Kit including 2 hinges and movement system  
 Kit Albatros ambidextre comprenant 2 paumelles et système de mouvement  
 beidhändig Albatros Kit mit 2 Scharniere und Bewegungssystem

Upper geared hinge

Adjustable bracket

Lower geared hinge with power transmission arm


**NEW**

| Code     | Art.            | Size             | Finishing | Pcs/pack | Kg/pack |
|----------|-----------------|------------------|-----------|----------|---------|
| 11640903 | <b>ABS-10-G</b> | 50X50 sp. 3 - 3m | Raw       | 1        | 13,00   |



## ABS-10-G

Hinge-pillar connection tubular  
 Tubulaire de raccordement paumelle-pilier  
 Scharnier-Pfeiler Verbindung Schlauchreifen

**NEW**

| Code         | Art.            | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|----------|---------|
| 11640904 001 | <b>ABS-15-G</b> | D160 H=30 | Galvanized | 1        | 1,40    |



## ABS-15-G

Kit turned floor strike plate  
 Kit Butoir au sol tourné  
 Gedrehtselt Bodenanschlag Kit

**NEW**

| Code         | Art.            | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|----------|---------|
| 11640905 001 | <b>ABS-16-G</b> | D160 H=30 | Galvanized | 1        | 0,8     |



## ABS-16-G

Kit molded floor strike plate  
 Kit Butoir au sol moulé  
 Formgepressten Bodenanschlag Kit

### Compatible accessories

#### Upper hinge


**ART.**
**85L-G**
**85PST-G**
**85-G**

#### Bottom hinge


**ART.**
**87-G**
**87PST-G**
**87L-G**

#### Runaway stop


**202P**
**202G**
**202F-C**
**239**


On request MINIMUM QUANTITY

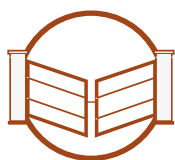
 MADE IN ITALY **COMUNELLO.COM**

49





Life  
made  
easy



# Swing Gates Hardware

 **COMUNELLO****GATE**

## 73

Lock for gates "Residential"  
model easy to fix  
Serrure pour portail modèle  
"Standard" au montage rapide  
Schloss für Tore "Privat" Modell  
Einfach zum montieren



| Code     | Art.         | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|------|-----------|-------------|----------|---------|
| 11210020 | <b>73-10</b> | 10   | Raw       |             | 1        | 1.40    |
| 11210025 | <b>73-20</b> | 20   | Raw       |             | 1        | 1.40    |
| 11210030 | <b>73-30</b> | 30   | Raw       |             | 1        | 1.40    |
| 11210005 | <b>73-40</b> | 40   | Raw       |             | 1        | 1.40    |
| 11210010 | <b>73-50</b> | 50   | Raw       |             | 1        | 1.40    |
| 11210015 | <b>73-60</b> | 60   | Raw       |             | 1        | 1.40    |

| Code         | Art.         | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|-----------|-------------|----------|---------|
| 11210020 503 | <b>73-10</b> | 10   | RAL9005   |             | 1        | 1.40    |
| 11210025 503 | <b>73-20</b> | 20   | RAL9005   |             | 1        | 1.40    |
| 11210030 503 | <b>73-30</b> | 30   | RAL9005   |             | 1        | 1.40    |
| 11210005 503 | <b>73-40</b> | 40   | RAL9005   |             | 1        | 1.40    |
| 11210010 503 | <b>73-50</b> | 50   | RAL9005   |             | 1        | 1.40    |
| 11210015 503 | <b>73-60</b> | 60   | RAL9005   |             | 1        | 1.40    |

## 74

Lock for gates "industrial" model easy to fix  
Serrure pour portail modèle  
"industriel" au montage rapide  
Schloss für Tore "industrie" Modell  
Einfach zum montieren



| Code     | Art.         | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|------|-----------|-------------|----------|---------|
| 11210520 | <b>74-10</b> | 10   | Raw       |             | 1        | 1.40    |
| 11210525 | <b>74-20</b> | 20   | Raw       |             | 1        | 1.40    |
| 11210530 | <b>74-30</b> | 30   | Raw       |             | 1        | 1.40    |
| 11210505 | <b>74-40</b> | 40   | Raw       |             | 1        | 1.40    |
| 11210510 | <b>74-50</b> | 50   | Raw       |             | 1        | 1.40    |
| 11210515 | <b>74-60</b> | 60   | Raw       |             | 1        | 1.40    |

| Code         | Art.         | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|-----------|-------------|----------|---------|
| 11210520 503 | <b>74-10</b> | 10   | RAL9005   |             | 1        | 1.40    |
| 11210525 503 | <b>74-20</b> | 20   | RAL9005   |             | 1        | 1.40    |
| 11210530 503 | <b>74-30</b> | 30   | RAL9005   |             | 1        | 1.40    |
| 11210505 503 | <b>74-40</b> | 40   | RAL9005   |             | 1        | 1.40    |
| 11210510 503 | <b>74-50</b> | 50   | RAL9005   |             | 1        | 1.40    |
| 11210515 503 | <b>74-60</b> | 60   | RAL9005   |             | 1        | 1.40    |

## 78

Aluminium strike for lock art. 73-74  
Gâche en aluminium pour  
serrure art. 73-74  
Schliessanschlag aus Aluminium  
für schloss art. 73-74



| Code         | Art.      | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------|------|-----------|-------------|----------|---------|
| 11213505     | <b>78</b> |      | Raw       |             | 1        | 0.63    |
| 11213505 502 | <b>78</b> |      | RAL9005   |             | 1        | 0,65    |



**NEW**

| Code     | Art.               | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------------|------|-----------|-------------|----------|---------|
| 10801645 | <b>83-CR-40/50</b> |      | Aluminium |             | 10       | 2,10    |
| 10801665 | <b>83-CR-65</b>    |      | Aluminium |             | 10       | 3,00    |

Capacity per couple hinges, L/H=1



## 83-CR

Square hinges cover  
Couvercle de gonds carrées  
Kappe für Torband mit 4-eckiges Stift

| Code         | Art.       | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------------|------------|-------------|----------|---------|
| 10800407 001 | <b>85M</b> | Medio Ø50  | Galvanized | 450         | 4        | 3.39    |
| 10800410 001 | <b>85G</b> | Grande Ø70 | Galvanized | 650         | 2        | 3.19    |

Capacity per couple hinges, L/H=1



## 85

Adjustable upper hinge with  
plate to be welded  
Gond supérieur réglable avec platine  
Verstellbares oberes Torband mit Platte

| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10801607 001 | <b>85L-M</b> | Medio Ø 50 | Galvanized | 350         | 2        | 2.40    |
| 10801610 001 | <b>85L-G</b> | Grande Ø70 | Galvanized | 500         | 2        | 4.11    |

Capacity per couple hinges, L/H=1



## 85L

Adjustable upper hinge with L plate  
Gond supérieur réglable avec platine à L  
Verstellbares oberes  
Torband mit L-Platte

**NEW**

| Code         | Art.             | Size | Finishing                | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------|--------------------------|-------------|----------|---------|
| 10801611 001 | <b>85L-40.AL</b> | 40   | Galvanised,<br>aluminium | 150         | 2        | 1,70    |
| 10801621 001 | <b>85L-40.ST</b> | 40   | Galvanised               | 150         | 2        | 1,80    |
| 10801612 001 | <b>85L-50.AL</b> | 50   | Galvanised,<br>aluminium | 300         | 2        | 2,40    |
| 10801622 001 | <b>85L-50.ST</b> | 50   | Galvanised               | 300         | 2        | 2,70    |
| 10801613 001 | <b>85L-65.AL</b> | 65   | Galvanised,<br>aluminium | 500         | 2        | 3,80    |
| 10801623 001 | <b>85L-65.ST</b> | 65   | Galvanised               | 500         | 2        | 4,60    |

Capacity per couple hinges, L/H=1



## 85L

Upper square hinge with bearing  
Gond supérieur avec roulement  
Oberes Torband mit 4/eckiges  
Stift mit Kugellager

| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 10801407 001 | <b>85PST-M</b> | Medio Ø 50 | Galvanized | 350         | 2        | 2.28    |
| 10801410 001 | <b>85PST-G</b> | Grande Ø70 | Galvanized | 500         | 2        | 3.22    |

Capacity per couple hinges, L/H=1



## 85PST

Adjustable upper hinge with  
plate to be screwed  
Gond supérieur réglable  
avec platine à visser  
Verstellbares oberes Torband  
mit Platte zum Anschrauben

| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10800411 001 | <b>85XL</b> | Maxi | Galvanized | 4000        | 1        | 11.60   |

Capacity per couple hinges, L/H=1



## 85XL

Heavy upper hinge double adjustment  
and plate to be screwed  
Gond supérieur lourd double  
réglage platine à visser  
Schweres oberes Torband  
Doppelverstellung und Platte  
zum Anschrauben

NEW

## KIT 85+87

Lowered hinges kit  
Kit gonds abaissées  
Abgesenktem Torband Kit



| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 10800415 001 | <b>85M+87M</b> | KIT Medio  | Galvanized | 450         | 2        | 5.20    |
| 10800414 001 | <b>85G+87G</b> | KIT Grande | Galvanized | 650         | 2        | 5.20    |

## 86P

Upper hinge with plate  
Gond supérieur avec platine  
Oberes Torband mit Platte



| Code         | Art.       | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|--------------|------------|-------------|----------|---------|
| 10800505 001 | <b>86P</b> | Piccolo Ø 45 | Galvanized | 200         | 4        | 2.49    |

Capacity per couple hinges, L/H=1

## 86G

Upper hinge with plate  
Gond supérieur avec platine  
Oberes Torband mit Platte



| Code         | Art.       | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------------|------------|-------------|----------|---------|
| 10800510 001 | <b>86G</b> | Grande Ø70 | Galvanized | 650         | 2        | 3.17    |

Capacity per couple hinges, L/H=1

## 86L-P

Upper hinge with L plate  
Gond supérieur avec platine à L  
Oberes Torband mit L-Platte



| Code         | Art.         | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-------------|------------|-------------|----------|---------|
| 10801805 001 | <b>86L-P</b> | Piccolo Ø45 | Galvanized | 200         | 2        | 1.94    |

Capacity per couple hinges, L/H=1

## 86L-G

Upper hinge with L plate  
Gond supérieur avec platine à L  
Oberes Torband mit L-Platte



| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10801810 001 | <b>86L-G</b> | Grande Ø70 | Galvanized | 500         | 2        | 4.13    |

Capacity per couple hinges, L/H=1

## 86PST

Upper hinge with plate to be screwed  
Gond supérieur avec platine à visser  
Oberes Torband mit Platte  
zum Anschrauben



| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 10801710 001 | <b>86PST-G</b> | Grande Ø70 | Galvanized | 500         | 2        | 3.79    |

Capacity per couple hinges, L/H=1



| Code         | Art.       | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|--------------|------------|-------------|----------|---------|
| 10801005 001 | <b>87P</b> | Piccolo Ø 45 | Galvanized | 200         | 4        | 1.65    |
| 10801007 001 | <b>87M</b> | Medio Ø 50   | Galvanized | 450         | 4        | 1.76    |
| 10801010 001 | <b>87G</b> | Grande Ø70   | Galvanized | 650         | 2        | 2.01    |

Capacity per couple hinges, L/H=1



# 87

Bottom hinge with thrust bearing  
Gond inférieur avec roulement de butée  
Unteres Torband mit Drucklager

| Code         | Art.         | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|--------------|------------|-------------|----------|---------|
| 10801305 001 | <b>87L-P</b> | Piccolo Ø 45 | Galvanized | 200         | 4        | 2.94    |
| 10801307 001 | <b>87L-M</b> | Medio Ø 50   | Galvanized | 350         | 4        | 4.02    |
| 10801310 001 | <b>87L-G</b> | Grande Ø70   | Galvanized | 500         | 2        | 4.20    |

Capacity per couple hinges, L/H=1



# 87L

Bottom hinge with thrust bearing and L plate  
Gond inférieur avec roulement de butée et platine à L  
Unteres Torband mit Drucklager und L-Platte

| Code         | Art.             | Size | Finishing             | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------|-----------------------|-------------|----------|---------|
| 10801311 001 | <b>87L-40.AL</b> | 40   | Galvanised, aluminium | 150         | 2        | 1.70    |
| 10801321 001 | <b>87L-40.ST</b> | 40   | Galvanised            | 150         | 2        | 0.80    |
| 10801312 001 | <b>87L-50.AL</b> | 50   | Galvanised, aluminium | 300         | 2        | 2.40    |
| 10801322 001 | <b>87L-50.ST</b> | 50   | Galvanised            | 300         | 2        | 2.70    |
| 10801313 001 | <b>87L-65.AL</b> | 65   | Galvanised, aluminium | 500         | 2        | 3.80    |
| 10801323 001 | <b>87L-65.ST</b> | 65   | Galvanised            | 500         | 2        | 4.60    |

Capacity per couple hinges, L/H=1



# 87L Ø

Bottom square hinge with taper roller bearing  
Gond inférieur avec roulement à rouleaux coniques  
Unteres Torband mit 4/eckiges Stift mit Kegelrollenlager

| Code         | Art.           | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|--------------|------------|-------------|----------|---------|
| 10801205 001 | <b>87PST-P</b> | Piccolo Ø 45 | Galvanized | 200         | 2        | 1.15    |
| 10801207 001 | <b>87PST-M</b> | Medio Ø 50   | Galvanized | 350         | 2        | 0.88    |
| 10801210 001 | <b>87PST-G</b> | Grande Ø70   | Galvanized | 500         | 2        | 2.50    |

Capacity per couple hinges, L/H=1



# 87PST

Bottom hinge with thrust bearing and plate to be screwed  
Gond inférieur avec roulement de butée et platine à fixer  
Unteres Torband mit Drucklager und Platte zum Anschrauben

| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10801011 001 | <b>87XL</b> | Maxi | Galvanized | 4000        | 1        | 5.50    |

Capacity per couple hinges, L/H=1



# 87XL

Heavy bottom hinge with thrust bearing and plate to be screwed  
Gond inférieur lourd avec roulement de butée et platine à visser  
Schweres oberes Torband mit Drucklager und Platte zum Anschrauben

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10801505 001 | <b>88-40</b> | Ø 33 | Galvanized | 200         | 2        | 3.17    |
| 10801510 001 | <b>88-50</b> | Ø 43 | Galvanized | 450         | 2        | 3.46    |
| 10801515 001 | <b>88-60</b> | Ø 52 | Galvanized | 650         | 2        | 4.46    |

Capacity per couple hinges, L/H=1



# 88

Upper hinge with square pin and plate to be welded  
Gond supérieur avec pivot carré et platine à souder  
Oberes Torband mit viereckigem Stift und Platte zum Schweißen

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 10802105 001 | <b>88L-40</b> | Ø 33 | Galvanized | 200         | 2        | 3.84    |
| 10802110 001 | <b>88L-50</b> | Ø 43 | Galvanized | 350         | 2        | 4.14    |
| 10802115 001 | <b>88L-60</b> | Ø 52 | Galvanized | 500         | 2        | 4.66    |

Capacity per couple hinges, L/H=1



# 88L

Upper hinge with square pin and L plate to be screwed  
Gond supérieur avec pivot carré et platine à L  
Oberes Torband mit viereckigem Stift und L-Platte zum Anschrauben



## 88PST

Upper hinge with square pin and plate to be screwed  
Gond supérieur avec pivot carré et platine à visser  
Oberes Torband mit viereckigem Stift und Platte zum Anschrauben



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 10802205 001 | <b>88PST-40</b> | Ø 33 | Galvanized | 200         | 2        | 3.60    |
| 10802210 001 | <b>88PST-50</b> | Ø 43 | Galvanized | 350         | 2        | 3.90    |
| 10802215 001 | <b>88PST-60</b> | Ø 52 | Galvanized | 500         | 2        | 4.90    |

Capacity per couple hinges, L/H=1

## 89

Bottom big pin with bearing  
Pivot grand inférieur avec roulement  
Unterer Maxibolzen mit Kugellager



| Code     | Art.      | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------|------|-----------|-------------|----------|---------|
| 10802005 | <b>89</b> | Ø40  | Raw       | 200         | 2        | 2.55    |
| 10802010 | <b>89</b> | Ø50  | Raw       | 450         | 2        | 2.76    |
| 10802015 | <b>89</b> | Ø60  | Raw       | 650         | 2        | 3.36    |

Capacity per couple hinges, L/H=1

## 90

Hinge with wing  
Gond avec aile paumelle  
Torband mit Lasche



| Code     | Art.       | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|---------|-----------|-------------|----------|---------|
| 10802505 | <b>90P</b> | Piccolo | Raw       | 200         | 20       | 8.08    |
| 10802510 | <b>90G</b> | Grande  | Raw       | 300         | 10       | 6.07    |

Capacity per couple hinges, L/H=1

## 92G

Hinge with wing and bearing  
Gond avec aile paumelle et roulement  
Torband mit Lasche und Kugellager



| Code     | Art.       | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|--------|-----------|-------------|----------|---------|
| 10803005 | <b>92G</b> | Grande | Raw       | 300         | 10       | 6.02    |

Capacity per couple hinges, L/H=1

## 94

Hinge with wing and plate to be screwed  
Gond avec aile paumelle et platine à visser  
Torband mit Lasche und Platte zum Anschrauben



| Code         | Art.       | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|---------|------------|-------------|----------|---------|
| 10803505 001 | <b>94P</b> | Piccolo | Galvanized | 200         | 20       | 15.46   |
| 10803510 001 | <b>94G</b> | Grande  | Galvanized | 300         | 10       | 9.97    |

Capacity per couple hinges, L/H=1

## 96G

Hinge with wing, bearing and plate to be screwed  
Gond avec aile paumelle et roulement avec platine à visser  
Torband mit Lasche, Kugellager und Platte zum Anschrauben



| Code         | Art.       | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|-------------|----------|---------|
| 10804005 001 | <b>96G</b> | Grande | Galvanized | 300         | 10       | 9.66    |

Capacity per couple hinges, L/H=1



| Code         | Art.                                                                                          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------------------------------------------------------------------------------------|---------|------------|-------------|----------|---------|
| 10804505     | <b>100P</b>                                                                                   | Piccolo | Raw        | 100         | 20       | 7.24    |
| 10804505 001 | <b>100P</b>  | Piccolo | Galvanized | 100         | 20       | 7.24    |
| 10804510     | <b>100G</b>                                                                                   | Grande  | Raw        | 200         | 10       | 5.54    |
| 10804510 001 | <b>100G</b>  | Grande  | Galvanized | 200         | 10       | 5.54    |

Capacity per couple hinges, L/H=1



# 100

Hinge with u bolt  
Gond avec crampillon  
Torband mit U-Bügel

| Code         | Art.            | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|---------|------------|-------------|----------|---------|
| 10804605 001 | <b>100PST-P</b> | Piccolo | Galvanized | 100         | 20       | 14.60   |
| 10804610 001 | <b>100PST-G</b> | Grande  | Galvanized | 200         | 10       | 9.14    |

Capacity per couple hinges, L/H=1



# 100PST

Hinge with u bolt and plate to be screwed  
Gond avec crampillon et platine à visser  
Torband mit U-Bügel und  
Platte zum Anschrauben

| Code     | Art.          | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|-------------|----------|---------|
| 10805005 | <b>105-20</b> | H=98 | Raw       | 210         | 10       | 8.48    |

Capacity per couple hinges, L/H=1



# 105

Spherical pin and plate  
Pivot sphérique et platine  
Drehstift und Platte

| Code         | Art.             | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------|------------|-------------|----------|---------|
| 10805105 001 | <b>105PST-20</b> | H=96 | Galvanized | 200         | 5        | 4.52    |

Capacity per couple hinges, L/H=1



# 105PST

Spherical pin and plate to be screwed  
Pivot sphérique et platine à visser  
Drehstift und Platte zum Anschrauben

| Code         | Art.                                                                                              | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------------------------------------------------------------------------------------|-------|------------|-------------|----------|---------|
| 10805205 001 | <b>106-20</b>  | H=124 | Galvanized | 150         | 6        | 5.03    |
| 10805210 001 | <b>106-27</b>  | H=154 | Galvanized | 200         | 2        | 2.97    |

Capacity per couple hinges, L/H=1



# 106

Spherical pin and adjustable plate  
Pivot sphérique et platine réglable  
Kugelstift und verstellbare Platte

| Code         | Art.                                                                                                 | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------------------------------------------------------------------------------------------|-------|------------|-------------|----------|---------|
| 10805305 001 | <b>106PST-20</b>  | H=124 | Galvanized | 150         | 2        | 2.40    |
| 10805310 001 | <b>106PST-27</b>  | H=154 | Galvanized | 200         | 2        | 3.69    |

Capacity per couple hinges, L/H=1



# 106PST

Adjustable spherical pin and  
plate to be screwed  
Pivot sphérique réglable  
et platine à visser  
Verstellbarer Kugelstift und  
Platte zum Anschrauben

## 110



Bottom pin  
Pivot inférieur  
Unterer Drehstift

| Code         | Art.          | Size                                                                              | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10805505     | <b>110-20</b> |                                                                                   | Raw        | 200         | 20       | 4.12    |
| 10805505 001 | <b>110-20</b> |                                                                                   | Galvanized | 200         | 20       | 4.12    |
| 10805510     | <b>110-24</b> |                                                                                   | Raw        | 300         | 10       | 3.34    |
| 10805510 001 | <b>110-24</b> |                                                                                   | Galvanized | 300         | 10       | 3.34    |
| 10805515     | <b>110-27</b> |  | Raw        | 450         | 10       | 4.58    |

Capacity per couple hinges, L/H=1

## 115



Plate for bottom pin  
Platine pour pivot inférieur  
Platte für unteren Drehstift

| Code         | Art.            | Size                                                                              | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10806005     | <b>115-20,5</b> |                                                                                   | Raw        | 200         | 20       | 8.10    |
| 10806005 001 | <b>115-20,5</b> |                                                                                   | Galvanized | 200         | 20       | 8.10    |
| 10806010     | <b>115-24,5</b> |                                                                                   | Raw        | 300         | 10       | 7.37    |
| 10806010 001 | <b>115-24,5</b> |                                                                                   | Galvanized | 300         | 10       | 7.37    |
| 10806015     | <b>115-28</b>   |  | Raw        | 450         | 10       | 7.18    |

Capacity per couple hinges, L/H=1

## 115PST

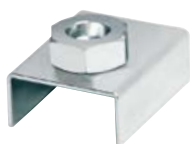


Base plate to be screwed for bottom pin  
Plaque de base à visser  
avec pivot inférieur  
Bodenplatte zum Anschrauben  
für unteren Drehstift

| Code         | Art.               | Size                                                                              | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-----------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10806405 001 | <b>115PST-20,5</b> |  | Galvanized | 150         | 5        | 2.75    |
| 10806410 001 | <b>115PST-24,5</b> |  | Galvanized | 240         | 5        | 2.69    |
| 10806415 001 | <b>115PST-28</b>   |  | Galvanized | 300         | 5        | 2.64    |

Capacity per couple hinges, L/H=1

## 117

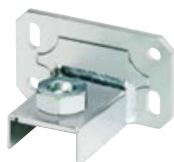


Adjustable plate for bottom pin  
Plaque réglable pour pivot inférieur  
Verstellbare Platte für unteren Drehstift

| Code         | Art.            | Size                                                                                | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10807305 001 | <b>117-20,5</b> |  | Galvanized | 125         | 12       | 4.78    |
| 10807310 001 | <b>117-24,5</b> |  | Galvanized | 200         | 12       | 4.96    |
| 10807315 001 | <b>117-28</b>   |  | Galvanized | 250         | 12       | 5.68    |

Capacity per couple hinges, L/H=1

## 117PST



Adjustable plate for bottom pin to be screwed  
Plaque réglable pour pivot inférieur à visser  
Verstellbare Platte für unteren Drehstift zum Anschrauben

| Code         | Art.               | Size                                                                                | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10807405 001 | <b>117PST-20,5</b> |  | Galvanized | 125         | 2        | 1.52    |
| 10807410 001 | <b>117PST-24,5</b> |  | Galvanized | 200         | 2        | 1.91    |
| 10807415 001 | <b>117PST-28</b>   |  | Galvanized | 250         | 2        | 1.67    |

Capacity per couple hinges, L/H=1

## 120



Hinge with u-bolt and bush  
Gond avec crampillon et douille  
Torband mit U-Bügel und Buchse

| Code         | Art.                 | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------|----------------|------------|-------------|----------|---------|
| 10806501 001 | <b>120-M16</b>       | M16 C37 R50-70 | Galvanized | 120         | 20       | 8.60    |
| 10806500 001 | <b>120-M18</b>       | M18 C37 R50-70 | Galvanized | 125         | 20       | 8.60    |
| 10806505 001 | <b>120-M20</b>       | M20 C37 R50-70 | Galvanized | 150         | 20       | 8.64    |
| 10806505 018 | <b>120-M20 HS700</b> | M20 C37 R50-70 | CS HS-700  | 150         | 20       | 8.40    |
| 10806509 001 | <b>120-M22</b>       | M22 C49 R55-80 | Galvanized | 220         | 10       | 6.86    |
| 10806510 001 | <b>120-M24</b>       | M22 C49 R55-80 | Galvanized | 225         | 10       | 7.39    |
| 10806510 018 | <b>120-M24 HS700</b> | M22 C49 R55-80 | CS HS-700  | 225         | 10       | 7.14    |

Capacity per couple hinges, L/H=1



| Code         | Art.           | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|----------------|------------|-------------|----------|---------|
| 10807004 001 | <b>125-M18</b> | M18 C37 R43-73 | Galvanized | 125         | 20       | 10.00   |
| 10807005 001 | <b>125-M20</b> | M20 C37 R43-73 | Galvanized | 150         | 20       | 10.24   |
| 10807009 001 | <b>125-M22</b> | M22 C49 R50-75 | Galvanized | 220         | 10       | 8.58    |
| 10807010 001 | <b>125-M24</b> | M22 C49 R50-75 | Galvanized | 225         | 10       | 8.58    |

Capacity per couple hinges, L/H=1



# 125

Hinge to be cemented with u-bolt  
Gond à sceller avec crampillon  
Torband mit Mauerhülse und U-Bügel

| Code         | Art.                 | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------|---------------|------------|-------------|----------|---------|
| 10807504 001 | <b>130-M18</b>       | M18 C37 L=182 | Galvanized | 125         | 20       | 11.00   |
| 10807505 001 | <b>130-M20</b>       | M20 C37 L=182 | Galvanized | 150         | 20       | 12.68   |
| 10807505 018 | <b>130-M20 HS700</b> | M20 C37 L=182 | CS HS-700  | 150         | 20       | 12.10   |
| 10807509 001 | <b>130-M22</b>       | M22 C49 L=187 | Galvanized | 220         | 10       | 9.30    |
| 10807510 001 | <b>130-M24</b>       | M24 C49 L=187 | Galvanized | 225         | 10       | 10.09   |

Capacity per couple hinges, L/H=1



# 130

Hinge with long bar and u-bolt  
Gond avec barre long  
filetée et crampillon  
Torband mit langem  
Gewinde und U-Bügel

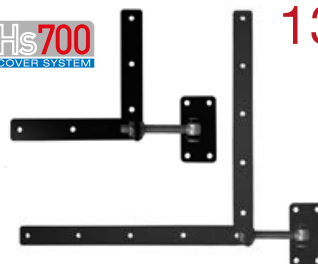
| Code         | Art.                | Size            | Finishing             | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|-----------------|-----------------------|-------------|----------|---------|
| 10819616 046 | <b>130-WH-M20DX</b> | L300 M20 R20-90 | HS 700+powder coating | 150         | 2        | 4,9     |
| 10819621 046 | <b>130-WH-M24DX</b> | L600 M24 R20-90 | HS 700+powder coating | 225         | 2        | 8       |

Capacity per couple hinges, L/H=1



# 130-WH-DX

Right "L" shaped hinge  
for wooden gates  
Charnière droite en forme de  
«L» pour portails en bois  
Rechter Torband mit "L"  
Profil für Holzstore



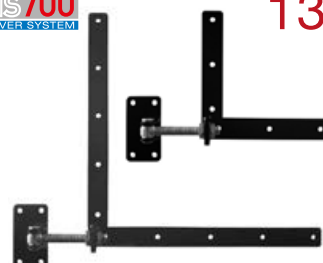
| Code         | Art.                | Size            | Finishing             | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|-----------------|-----------------------|-------------|----------|---------|
| 10819617 046 | <b>130-WH-M20SX</b> | L300 M20 R20-90 | HS 700+powder coating | 150         | 2        | 4,9     |
| 10819622 046 | <b>130-WH-M24SX</b> | L600 M24 R20-90 | HS 700+powder coating | 225         | 2        | 8       |

Capacity per couple hinges, L/H=1



# 130-WH-SX

Left "L" shaped hinge  
for wooden gates  
Charnière gauche en forme  
de «L» pour portails en bois  
Linker Torband mit "L"  
Profil für Holzstore



| Code         | Art.              | Size            | Finishing             | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|-----------------|-----------------------|-------------|----------|---------|
| 10819615 046 | <b>130-WH-M20</b> | L300 M20 R20-90 | HS 700+powder coating | 150         | 4        | 8       |
| 10819620 046 | <b>130-WH-M24</b> | L600 M24 R20-90 | HS 700+powder coating | 225         | 4        | 12      |

Capacity per couple hinges, L/H=1



# 130-WH

Hinge for wooden gates  
Charnière pour  
portails en bois  
Torband für Holzstore



| Code         | Art.           | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|----------------|------------|-------------|----------|---------|
| 10808001 001 | <b>135-M16</b> | M16 C39 R50-70 | Galvanized | 120         | 20       | 7.90    |
| 10808005 001 | <b>135-M18</b> | M18 C39 R50-75 | Galvanized | 125         | 20       | 7.90    |
| 10808009 001 | <b>135-M20</b> | M20 C39 R50-75 | Galvanized | 150         | 20       | 8.94    |
| 10808010 001 | <b>135-M22</b> | M22 C53 R55-80 | Galvanized | 220         | 10       | 7.04    |
| 10808014 001 | <b>135-M24</b> | M24 C53 R60-80 | Galvanized | 225         | 10       | 8.02    |
| 10808015 001 | <b>135-M27</b> | M24 C60 R62-98 | Galvanized | 320         | 10       | 11.00   |



# 135

Hinge with wings and bush  
Gond avec ailes et douille  
Torband mit Lasche und Buchse

Capacity per couple hinges, L/H=1

## 140

Hinge with wings to be cemented  
Gond à sceller avec ailes  
Torband mit Mauerhülse  
und Laschen



| Code         | Art.           | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|----------------|------------|-------------|----------|---------|
| 10808505 001 | <b>140-M18</b> | M18 C39 R50-75 | Galvanized | 125         | 20       | 9.24    |
| 10808509 001 | <b>140-M20</b> | M20 C39 R50-75 | Galvanized | 150         | 20       | 9.50    |
| 10808510 001 | <b>140-M22</b> | M22 C53 R55-80 | Galvanized | 220         | 10       | 7.90    |
| 10808512 001 | <b>140-M24</b> | M24 C53 R60-80 | Galvanized | 225         | 10       | 8.50    |
| 10808515 001 | <b>140-M27</b> | M24 C60 R62-98 | Galvanized | 320         | 10       | 12.08   |

Capacity per couple hinges, L/H=1

## 150

Hinge with long bar and wings  
Gond avec barre long filetée et ailes  
Torband mit langem  
Gewinde und Laschen



| Code         | Art.           | Size           | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|----------------|------------|-------------|----------|---------|
| 10809005 001 | <b>150-M18</b> | M18 C39 R50-75 | Galvanized | 125         | 20       | 10.84   |
| 10809009 001 | <b>150-M20</b> | M20 C39 R50-75 | Galvanized | 150         | 20       | 11.00   |
| 10809010 001 | <b>150-M22</b> | M22 C53 R55-80 | Galvanized | 220         | 10       | 9.48    |
| 10809012 001 | <b>150-M24</b> | M24 C53 R60-80 | Galvanized | 225         | 10       | 10.00   |

Capacity per couple hinges, L/H=1

## 154

Plate "Rustica" with adjustable nut  
Platine "Rustica" avec écrou réglable  
Platte "Rustica" mit verstellbarer Mutter



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10824705 001 | <b>154-M18</b> | M18  | Galvanized |             | 10       | 4.77    |
| 10824710 001 | <b>154-M20</b> | M20  | Galvanized |             | 10       | 4.75    |
| 10824715 001 | <b>154-M22</b> | M22  | Galvanized |             | 10       | 4.58    |
| 10824720 001 | <b>154-M24</b> | M24  | Galvanized |             | 10       | 4.77    |
| 10824725 001 | <b>154-M27</b> | M27  | Galvanized |             | 10       | 4.77    |

Capacity per couple hinges, L/H=1

154R-CV  
PATENTED

Hinge with u-bolt and Plate "Rustica"  
double adjustment on 2 axis x-y  
Gond avec crampillon et Platine "Rustica"  
avec double réglage sur les axes x-y  
Torband mit U-Bügel und Platte "Rustica"  
2 Achsen x-y Doppelverstellung



| Code         | Art.               | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-----------------|------------|-------------|----------|---------|
| 10824405 001 | <b>154R-CV-M18</b> | M18 C37 R82-86  | Galvanized | 125         | 20       | 20.36   |
| 10824410 001 | <b>154R-CV-M20</b> | M20 C37 R87-90  | Galvanized | 150         | 20       | 20.36   |
| 10824415 001 | <b>154R-CV-M22</b> | M22 C49 R94-96  | Galvanized | 220         | 10       | 14.22   |
| 10824420 001 | <b>154R-CV-M24</b> | M24 C49 R95-100 | Galvanized | 225         | 10       | 14.54   |

Capacity per couple hinges, L/H=1

## 155

Hinge with u-bolt, round plate  
and adjustable nut  
Gond avec crampillon, platine  
ronde et écrou réglable  
Torband mit U-Bügel, runde Platte  
und verstellbare Mutter



| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10809501 001 | <b>155-M16</b> | M16 C37 R50-70  | Galvanized | 120         | 20       | 10.00   |
| 10809601 001 | <b>155-M18</b> | M18 C37 R70-90  | Galvanized | 125         | 20       | 10.50   |
| 10809505 001 | <b>155-M20</b> | M20 C37 R70-90  | Galvanized | 150         | 20       | 11.00   |
| 10809512 001 | <b>155-M22</b> | M22 C49 R75-100 | Galvanized | 220         | 10       | 8.30    |
| 10809510 001 | <b>155-M24</b> | M24 C49 R75-100 | Galvanized | 225         | 10       | 8.15    |

Capacity per couple hinges, L/H=1

## 155B

Hinge with u-bolt and adjustable nut  
Gond avec crampillon et écrou réglable  
Torband mit U-Bügel und  
verstellbare Mutter



| Code         | Art.            | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------------|------------|-------------|----------|---------|
| 10809502 001 | <b>155B-M16</b> | M16 C37 R50-70  | Galvanized | 120         | 20       | 10.00   |
| 10809503 001 | <b>155B-M18</b> | M18 C37 R70-90  | Galvanized | 125         | 20       | 10.50   |
| 10809508 001 | <b>155B-M20</b> | M20 C37 R70-90  | Galvanized | 150         | 20       | 11.00   |
| 10809509 001 | <b>155B-M22</b> | M22 C49 R75-100 | Galvanized | 220         | 10       | 8.30    |
| 10809511 001 | <b>155B-M24</b> | M24 C49 R75-100 | Galvanized | 225         | 10       | 8.15    |

Capacity per couple hinges, L/H=1



| Code         | Art.           | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|--------|------------|-------------|----------|---------|
| 10824505 001 | <b>157-M18</b> | 100X70 | Galvanized |             | 10       | 3.28    |
| 10824510 001 | <b>157-M20</b> | 100X70 | Galvanized |             | 10       | 3.18    |
| 10824515 001 | <b>157-M22</b> | 100X70 | Galvanized |             | 10       | 3.30    |
| 10824520 001 | <b>157-M24</b> | 100X70 | Galvanized |             | 10       | 3.26    |

Capacity per couple hinges, L/H=1



# 157

Plate "Rettangolare" with adjustable nut  
Platine "Rettangolare" avec écrou réglable  
Platte "Rettangolare" mit verstellbarer Mutter

| Code         | Art.             | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-----------------|------------|-------------|----------|---------|
| 10824905 001 | <b>157AL-M18</b> | M18 C37 R62-85  | Galvanized | 125         | 20       | 14.46   |
| 10824910 001 | <b>157AL-M20</b> | M20 C37 R62-85  | Galvanized | 150         | 20       | 15.30   |
| 10824915 001 | <b>157AL-M22</b> | M22 C49 R70-95  | Galvanized | 220         | 10       | 10.34   |
| 10824920 001 | <b>157AL-M24</b> | M24 C49 R70-100 | Galvanized | 225         | 10       | 11.28   |

Capacity per couple hinges, L/H=1



# 157AL

Hinge with wings and Plate "Rettangolare" with adjustable nut  
Gond avec ailes et platine "Rettangolare" avec écrou réglable  
Torband mit Laschen und platte "Rettangolare" mit verstellbarer Mutter

| Code         | Art.             | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-----------------|------------|-------------|----------|---------|
| 10824605 001 | <b>157CV-M18</b> | M18 C37 R62-85  | Galvanized | 125         | 20       | 15.60   |
| 10824610 001 | <b>157CV-M20</b> | M20 C37 R62-85  | Galvanized | 150         | 20       | 15.00   |
| 10824615 001 | <b>157CV-M22</b> | M22 C49 R70-95  | Galvanized | 220         | 10       | 10.16   |
| 10824620 001 | <b>157CV-M24</b> | M24 C49 R70-100 | Galvanized | 225         | 10       | 10.65   |

Capacity per couple hinges, L/H=1



# 157CV

Hinge with u-bolt and Plate "Rettangolare" with adjustable nut  
Gond avec crampillon et platine "Rettangolare" avec écrou réglable  
Torband mit U-Bügel und platte "Rettangolare" mit verstellbarer Mutter

| Code         | Art.           | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|-------------|----------|---------|
| 10823501 001 | <b>159-M16</b> | 100X100 | Galvanized |             | 10       | 4.50    |
| 10823505 001 | <b>159-M18</b> | 100X100 | Galvanized |             | 10       | 4.50    |
| 10823510 001 | <b>159-M20</b> | 100X100 | Galvanized |             | 10       | 4.50    |
| 10823515 001 | <b>159-M22</b> | 100X100 | Galvanized |             | 10       | 4.50    |
| 10823520 001 | <b>159-M24</b> | 100X100 | Galvanized |             | 10       | 4.27    |
| 10823525 001 | <b>159-M27</b> | 100X100 | Galvanized |             | 10       | 8.00    |

Capacity per couple hinges, L/H=1



# 159

Plate "Quadrata" with adjustable nut  
Platine "Quadrata" avec écrou réglable  
Platte "Quadrata" mit verstellbarer Mutter

| Code         | Art.               | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-----------------|------------|-------------|----------|---------|
| 10823405 001 | <b>159R-CV-M18</b> | M18 C37 R82-96  | Galvanized | 125         | 20       | 19.34   |
| 10823410 001 | <b>159R-CV-M20</b> | M20 C37 R87-96  | Galvanized | 150         | 20       | 19.10   |
| 10823415 001 | <b>159R-CV-M22</b> | M22 C49 R94-103 | Galvanized | 220         | 10       | 13.73   |
| 10823420 001 | <b>159R-CV-M24</b> | M24 C49 R95-108 | Galvanized | 225         | 10       | 14.05   |

Capacity per couple hinges, L/H=1



# 159R-CV

PATENTED

Hinge with u-bolt and Plate "Quadrata" double adjustment on 2 axis x-y  
Gond avec crampillon et Platine "Quadrata" avec double réglage sur les axes x-y

Torband mit U-Bügel und Platte "Quadrata" 2 Achsen x-y Doppelverstellung

| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10810004 001 | <b>160-M16</b> | M16 C39 R70-85  | Galvanized | 120         | 20       | 8.14    |
| 10810005 001 | <b>160-M18</b> | M18 C39 R70-85  | Galvanized | 125         | 20       | 8.14    |
| 10810009 001 | <b>160-M20</b> | M20 C39 R70-85  | Galvanized | 150         | 20       | 11.00   |
| 10810010 001 | <b>160-M22</b> | M22 C53 R70-95  | Galvanized | 220         | 10       | 7.44    |
| 10810012 001 | <b>160-M24</b> | M24 C53 R70-95  | Galvanized | 225         | 10       | 10.00   |
| 10810015 001 | <b>160-M27</b> | M24 C60 R80-117 | Galvanized | 320         | 10       | 10.50   |

Capacity per couple hinges, L/H=1



# 160

Hinge with wings, round plate and adjustable nut  
Gond avec ailes, platine ronde et écrou réglable  
Torband mit Laschen, runde Platte und verstellbare Mutter



## 160B

Hinge with wings and adjustable nut  
Gond avec ailes et écrou réglable  
Torband mit Laschen und verstellbare Mutter



| Code         | Art.            | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------------|------------|-------------|----------|---------|
| 10810007 001 | <b>160B-M16</b> | M16 C39 R70-85  | Galvanized | 120         | 20       | 8.14    |
| 10810008 001 | <b>160B-M18</b> | M18 C39 R70-85  | Galvanized | 125         | 20       | 8.14    |
| 10810011 001 | <b>160B-M20</b> | M20 C39 R70-85  | Galvanized | 150         | 20       | 11.00   |
| 10810013 001 | <b>160B-M22</b> | M22 C53 R70-95  | Galvanized | 220         | 10       | 7.44    |
| 10810014 001 | <b>160B-M24</b> | M24 C53 R70-95  | Galvanized | 225         | 10       | 10.00   |
| 10810016 001 | <b>160B-M27</b> | M24 C60 R80-117 | Galvanized | 320         | 10       | 10.50   |

Capacity per couple hinges, L/H=1

## 160XL

Hinge maxi with wings and adjustable nut  
Gond maxi avec ailes et écrou réglable  
Torband maxi mit Laschen und verstellbare Mutter



| Code         | Art.         | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------------|------------|-------------|----------|---------|
| 10801912 001 | <b>160XL</b> | M36 R55-90 | Galvanized | 600         | 2        | 6.95    |

Capacity per couple hinges, L/H=1

## FEATURES:

- Greaser
- Anti-rotation pin
- Screw: M36 X3.5
- Adjustment (R) from 55 to 90 mm
- Fixing screw

## 161

Hinge with u bolt and plate with adjustable nut  
Gond avec crampillon et platine avec écrou réglable  
Torband mit U-Bügel und Platte mit verstellbarer Mutter



| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10810301 001 | <b>161-M16</b> | M16 C37 R62-85  | Galvanized | 120         | 20       | 14.50   |
| 10810300 001 | <b>161-M18</b> | M18 C37 R62-85  | Galvanized | 125         | 20       | 17.60   |
| 10810305 001 | <b>161-M20</b> | M20 C37 R60-85  | Galvanized | 150         | 20       | 15.78   |
| 10810309 001 | <b>161-M22</b> | M22 C49 R60-85  | Galvanized | 220         | 10       | 9.30    |
| 10810310 001 | <b>161-M24</b> | M24 C49 R70-100 | Galvanized | 225         | 10       | 10.70   |

Capacity per couple hinges, L/H=1

## 162

Hinge with u bolt and plate with bush  
Gond avec crampillon et platine avec douille  
Torband mit U-Bügel und Platte mit Buchse



| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10810505 001 | <b>162-M20</b> | M20 C37 R60-85  | Galvanized | 150         | 20       | 15.64   |
| 10810510 001 | <b>162-M24</b> | M24 C49 R70-100 | Galvanized | 225         | 10       | 10.90   |

Capacity per couple hinges, L/H=1

## 163

Hinge with wings and plate with adjustable nut  
Gond avec ailes et platine avec écrou réglable  
Torband mit Laschen und Platte mit verstellbarer Mutter



| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10810801 001 | <b>163-M16</b> | M16 C39 R62-85  | Galvanized | 120         | 20       | 14.00   |
| 10810805 001 | <b>163-M18</b> | M18 C39 R62-85  | Galvanized | 125         | 20       | 14.22   |
| 10810809 001 | <b>163-M20</b> | M20 C39 R60-85  | Galvanized | 150         | 20       | 15.40   |
| 10810810 001 | <b>163-M22</b> | M22 C53 R60-85  | Galvanized | 220         | 10       | 10.74   |
| 10810814 001 | <b>163-M24</b> | M24 C53 R70-100 | Galvanized | 225         | 10       | 12.29   |
| 10810815 001 | <b>163-M27</b> | M27 C60 R80-117 | Galvanized | 320         | 10       | 17.73   |

Capacity per couple hinges, L/H=1

## 164

Hinge with wings and plate with bush  
Gond avec ailes et platine avec douille  
Torband mit Laschen und Platte mit Buchse

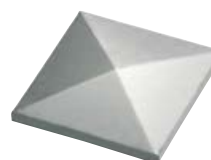


| Code         | Art.           | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------------|------------|-------------|----------|---------|
| 10811005 001 | <b>164-M18</b> | M18 C39 R60-85  | Galvanized | 125         | 20       | 15.04   |
| 10811010 001 | <b>164-M22</b> | M22 C53 R70-95  | Galvanized | 220         | 10       | 8.45    |
| 10811015 001 | <b>164-M27</b> | M27 C60 R80-117 | Galvanized | 320         | 10       | 16.30   |

Capacity per couple hinges, L/H=1



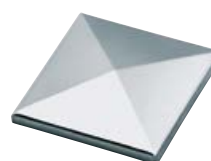
| Code     | Art.           | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|---------|-----------|-------------|----------|---------|
| 12100505 | <b>165-30</b>  | 30X30   | Raw       |             | 50       | 1.45    |
| 12100510 | <b>165-40</b>  | 40X40   | Raw       |             | 50       | 2.20    |
| 12100515 | <b>165-50</b>  | 50X50   | Raw       |             | 50       | 3.15    |
| 12100520 | <b>165-60</b>  | 60X60   | Raw       |             | 50       | 4.30    |
| 12100525 | <b>165-80</b>  | 80X80   | Raw       |             | 50       | 6.70    |
| 12100530 | <b>165-100</b> | 100X100 | Raw       |             | 50       | 9.30    |
| 12100535 | <b>165-120</b> | 120X120 | Raw       |             | 25       | 7.75    |
| 12100540 | <b>165-150</b> | 150X150 | Raw       |             | 25       | 11.00   |
| 12100550 | <b>165-200</b> | 200X200 | Raw       |             | 20       | 15.18   |



# 165

Square pillar cover raw  
Couvre pilastre carré brut  
Viereckiger Pfostendeckel

| Code         | Art.            | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|---------|------------|-------------|----------|---------|
| 12100505 001 | <b>165Z-30</b>  | 30X30   | Galvanized |             | 50       | 1.45    |
| 12100510 001 | <b>165Z-40</b>  | 40X40   | Galvanized |             | 50       | 2.20    |
| 12100515 001 | <b>165Z-50</b>  | 50X50   | Galvanized |             | 50       | 3.00    |
| 12100520 001 | <b>165Z-60</b>  | 60X60   | Galvanized |             | 50       | 4.30    |
| 12100525 001 | <b>165Z-80</b>  | 80X80   | Galvanized |             | 50       | 6.75    |
| 12100530 001 | <b>165Z-100</b> | 100X100 | Galvanized |             | 50       | 9.80    |
| 12100535 001 | <b>165Z-120</b> | 120X120 | Galvanized |             | 25       | 7.75    |
| 12100540 001 | <b>165Z-150</b> | 150X150 | Galvanized |             | 25       | 11.80   |
| 12100550 001 | <b>165Z-200</b> | 200X200 | Galvanized |             | 20       | 15.18   |



# 165Z

Square pillar cover galvanized  
Couvre pilastre carré zingué  
Viereckiger Pfostendeckel Verzinkt

| Code     | Art.            | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------|-----------|-------------|----------|---------|
| 12100205 | <b>165N-12</b>  | 12X12   | Nylon     |             | 200      | 0.18    |
| 12100206 | <b>165N-15</b>  | 15X15   | Nylon     |             | 200      | 0.23    |
| 12100210 | <b>165N-20</b>  | 20X20   | Nylon     |             | 200      | 0.46    |
| 12100215 | <b>165N-25</b>  | 25X25   | Nylon     |             | 100      | 0.31    |
| 12100216 | <b>165N-30</b>  | 30X30   | Nylon     |             | 100      | 0.45    |
| 12100217 | <b>165N-35</b>  | 35X35   | Nylon     |             | 50       | 0.30    |
| 12100220 | <b>165N-40</b>  | 40X40   | Nylon     |             | 50       | 0.44    |
| 12100221 | <b>165N-45</b>  | 45X45   | Nylon     |             | 150      | 1.42    |
| 12100225 | <b>165N-50</b>  | 50X50   | Nylon     |             | 150      | 1.68    |
| 12100226 | <b>165N-60</b>  | 60X60   | Nylon     |             | 100      | 2.85    |
| 12100227 | <b>165N-70</b>  | 70X70   | Nylon     |             | 50       | 2.72    |
| 12100228 | <b>165N-80</b>  | 80X80   | Nylon     |             | 50       | 1.61    |
| 12100229 | <b>165N-100</b> | 100X100 | Nylon     |             | 50       | 3.45    |



# 165N

Square plastic pillar cover  
Couvre pilier en plastique carré  
Viereckiger Pfostendeckel aus Kunststoff

| Code     | Art.              | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------------|-------|-----------|-------------|----------|---------|
| 12100560 | <b>165R-20X30</b> | 20X30 | Raw       |             | 100      | 1.80    |
| 12100561 | <b>165R-20X40</b> | 20X40 | Raw       |             | 100      | 2.00    |
| 12100562 | <b>165R-30X50</b> | 30X50 | Raw       |             | 100      | 4.40    |
| 12100563 | <b>165R-30X60</b> | 30X60 | Raw       |             | 100      | 4.00    |
| 12100564 | <b>165R-40X60</b> | 40X60 | Raw       |             | 90       | 4.30    |
| 12100565 | <b>165R-40X80</b> | 40X80 | Raw       |             | 100      | 6.70    |



# 165R

Rectangular pillar cover raw  
Couvre pilier rectangulaire brut  
Rechteckig Pfostendeckel

## 165RN

Rectangular plastic pillar cover  
Couvrez pilier en plastique rectangulaire  
Rechteckig Pfostendeckel aus Kunststoff



| Code     | Art.         | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|--------|-----------|-------------|----------|---------|
| 12100303 | 165RN-15X30  | 15X30  | Nylon     |             | 50       | 1.35    |
| 12100304 | 165RN-20X100 | 20X100 | Nylon     |             | 50       | 5.75    |
| 12100305 | 165RN-20X30  | 20X30  | Nylon     |             | 200      | 7.30    |
| 12100310 | 165RN-20X40  | 20X40  | Nylon     |             | 100      | 4.55    |
| 12100311 | 165RN-20X50  | 20X50  | Nylon     |             | 100      | 5.80    |
| 12100312 | 165RN-20X60  | 20X60  | Nylon     |             | 100      | 7.35    |
| 12100320 | 165RN-25X40  | 25X40  | Nylon     |             | 100      | 5.30    |
| 12100315 | 165RN-25X50  | 25X50  | Nylon     |             | 100      | 6.50    |
| 12100313 | 165RN-30X120 | 30X120 | Nylon     |             | 50       | 8.35    |
| 12100314 | 165RN-30X40  | 30X40  | Nylon     |             | 50       | 3.00    |
| 12100316 | 165RN-30X50  | 30X50  | Nylon     |             | 50       | 3.75    |
| 12100317 | 165RN-30X60  | 30X60  | Nylon     |             | 50       | 4.80    |
| 12100318 | 165RN-30X80  | 30X80  | Nylon     |             | 100      | 11.90   |
| 12100319 | 165RN-40X100 | 40X100 | Nylon     |             | 50       | 10.33   |
| 12100321 | 165RN-40X120 | 40X120 | Nylon     |             | 50       | 15.30   |
| 12100322 | 165RN-40X50  | 40X50  | Nylon     |             | 50       | 4.93    |
| 12100323 | 165RN-40X60  | 40X60  | Nylon     |             | 50       | 5.30    |
| 12100324 | 165RN-40X80  | 40X80  | Nylon     |             | 50       | 6.83    |
| 12100325 | 165RN-50X100 | 50X100 | Nylon     |             | 50       | 14.35   |
| 12100326 | 165RN-50X120 | 50X120 | Nylon     |             | 50       | 15.50   |
| 12100327 | 165RN-50X150 | 50X150 | Nylon     |             | 50       | 22.50   |
| 12100328 | 165RN-50X80  | 50X80  | Nylon     |             | 50       | 11.55   |

## 165RZ

Rectangular pillar cover galvanized  
Couvrez pilier rectangulaire zingué  
Rechteckig Pfostendeckel Verzinkt



| Code         | Art.        | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-------|------------|-------------|----------|---------|
| 12100560 001 | 165RZ-20X30 | 20X30 | Galvanized |             | 100      | 1.80    |
| 12100561 001 | 165RZ-20X40 | 20X40 | Galvanized |             | 100      | 2.00    |
| 12100562 001 | 165RZ-30X50 | 30X50 | Galvanized |             | 100      | 4.40    |
| 12100563 001 | 165RZ-30X60 | 30X60 | Galvanized |             | 100      | 4.00    |
| 12100564 001 | 165RZ-40X60 | 40X60 | Galvanized |             | 90       | 4.30    |
| 12100565 001 | 165RZ-40X80 | 40X80 | Galvanized |             | 100      | 6.70    |

## 165S

Shaped pillar cover  
Couvrez pilier moulé  
Pfostendeckel



| Code     | Art.     | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|------|-----------|-------------|----------|---------|
| 12100405 | 165S-50  | 50   | Raw       |             | 10       | 1.35    |
| 12100410 | 165S-60  | 60   | Raw       |             | 6        | 1.25    |
| 12100415 | 165S-80  | 80   | Raw       |             | 8        | 3.30    |
| 12100420 | 165S-100 | 100  | Raw       |             | 4        | 2.90    |
| 12100425 | 165S-120 | 120  | Raw       |             | 6        | 3.40    |
| 12100430 | 165S-150 | 150  | Raw       |             | 4        | 5.40    |

## 165T

Round pillar cover  
Couvrez pilastre rond  
Runder Pfostendeckel



| Code     | Art.     | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|----------|-----------|-------------|----------|---------|
| 12100805 | 165T-30  | 1 3/16"  | Raw       |             | 50       | 1.10    |
| 12100810 | 165T-33  | 1 11/32" | Raw       |             | 50       | 1.20    |
| 12100815 | 165T-42  | 1 11/16" | Raw       |             | 50       | 1.80    |
| 12100820 | 165T-48  | 1 29/32" | Raw       |             | 50       | 2.20    |
| 12100830 | 165T-76  | 3"       | Raw       |             | 50       | 4.80    |
| 12100835 | 165T-89  | 3 1/2"   | Raw       |             | 50       | 6.00    |
| 12100845 | 165T-114 | 4 17/32" | Raw       |             | 25       | 5.10    |

## 165TN

Round plastic pillar cover  
Couvrez pilier en plastique rond  
Runder Pfostendeckel aus Kunststoff



| Code     | Art.      | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------|------|-----------|-------------|----------|---------|
| 12100100 | 165TN-15  | 15   | Nylon     |             | 200      | 0.18    |
| 12100105 | 165TN-20  | 20   | Nylon     |             | 200      | 0.40    |
| 12100110 | 165TN-25  | 25   | Nylon     |             | 200      | 0.56    |
| 12100111 | 165TN-30  | 30   | Nylon     |             | 100      | 0.40    |
| 12100112 | 165TN-35  | 35   | Nylon     |             | 100      | 0.52    |
| 12100115 | 165TN-40  | 40   | Nylon     |             | 50       | 0.32    |
| 12100116 | 165TN-45  | 45   | Nylon     |             | 50       | 0.46    |
| 12100120 | 165TN-50  | 50   | Nylon     |             | 100      | 0.93    |
| 12100121 | 165TN-60  | 60   | Nylon     |             | 100      | 1.30    |
| 12100122 | 165TN-70  | 70   | Nylon     |             | 50       | 0.92    |
| 12100123 | 165TN-80  | 80   | Nylon     |             | 50       | 0.75    |
| 12100124 | 165TN-100 | 100  | Nylon     |             | 50       | 1.95    |



| Code         | Art.        | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|---------|------------|-------------|----------|---------|
| 10704601 001 | <b>166P</b> | Piccolo | Galvanized |             | 25       | 6.80    |
| 10704602 001 | <b>166G</b> | Grande  | Galvanized |             | 10       | 4.77    |


**166**

Ground central stop to be fixed  
Butée centrale au sol à fixer  
Auflaufschuh zum Anschrauben

| Code         | Art.                                                                                         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------------------------------------------------------------------------------|------|------------|-------------|----------|---------|
| 10700705 001 | <b>167</b>  |      | Galvanized |             | 10       | 12.19   |


**167**

Ground central stop to be cemented  
Butée centrale au sol à sceller  
Auflaufschuh zum Ausbetonieren

| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 10700905 001 | <b>169</b> |      | Galvanized |             | 25       | 7.83    |


**169**

Ground central stop to be cemented  
Butée centrale au sol à sceller  
Auflaufschuh zum Ausbetonieren

| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 10701005 001 | <b>170</b> |      | Galvanized |             | 25       | 8.40    |


**170**

Ground central stop to be cemented  
Butée centrale au sol à sceller  
Auflaufschuh zum Ausbetonieren

| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 10701205 001 | <b>171</b> |      | Galvanized |             | 10       | 8.24    |


**171**

Ground central stop to be fixed  
Butée centrale au sol à fixer  
Auflaufschuh zum Anschrauben

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10821005 001 | <b>172-M18</b> | M18  | Galvanized | 125         | 20       | 8.70    |
| 10821010 001 | <b>172-M20</b> | M20  | Galvanized | 155         | 20       | 11.18   |
| 10821015 001 | <b>172-M24</b> | M24  | Galvanized | 240         | 10       | 9.95    |

Capacity per couple hinges, L/H=1


**172**

Cylindrical hinge with bush  
Gond cylindrique avec douille  
Zylindrischer Torband mit Buchse

## 174

Hinge with u bolt for 180° opening  
Gond avec crampillon pour ouverture à 180°  
Torband mit U-Bügel für 180° Öffnung



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10820005 001 | <b>174-M16</b> | M16  | Galvanized | 75          | 10       | 9.78    |

Capacity per couple hinges, L/H=1

## 175

Hinge for 180° opening  
Gond pour ouverture à 180°  
Torband für 180° Öffnung



| Code     | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|-----------|-----------|-------------|----------|---------|
| 19926004 | <b>175G</b> | L=75 H=95 | Raw       | 135         | 6        | 8.59    |
| 19926003 | <b>175P</b> | L=43 H=63 | Raw       | 70          | 8        | 7.93    |

Capacity per couple hinges, L/H=1

## 176

Hinge with double body and u bolt for 180° opening  
Gond avec double corps et crampillon pour ouverture à 180°  
Torband mit Doppelkörper und U-Bügel für 180° Öffnung



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10820505 001 | <b>176-M16</b> | M16  | Galvanized | 150         | 10       | 20.00   |

Capacity per couple hinges, L/H=1

NEW  
177

Hinge with u-bolt for 180° opening  
Gond avec crampillon pour ouverture à 180°  
Torband mit U-Bügel für 180° Öffnung



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10819405 001 | <b>177-M12</b> | M12  | Galvanized | 50          | 10       | 5.20    |
| 10819410 001 | <b>177-M16</b> | M16  | Galvanized | 75          | 10       | 9.00    |
| 10819415 001 | <b>177-M20</b> | M20  | Galvanized | 125         | 10       | 16.50   |
| 10819420 001 | <b>177-M24</b> | M24  | Galvanized | 200         | 10       | 22.00   |

Capacity per couple hinges, L/H=1

NEW  
177 Hs700

Hinge with u-bolt for 180° opening  
Gond avec crampillon pour ouverture à 180°  
Torband mit U-Bügel für 180° Öffnung



**Hs700**  
COVERSYSTEM

| Code         | Art.                 | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------|------|-----------|-------------|----------|---------|
| 10819405 018 | <b>177-M12 Hs700</b> | M12  | Hs700     | 50          | 10       | 6.00    |
| 10819410 018 | <b>177-M16 Hs700</b> | M16  | Hs700     | 75          | 10       | 9.00    |
| 10819415 018 | <b>177-M20 Hs700</b> | M20  | Hs700     | 125         | 10       | 17.60   |
| 10819420 018 | <b>177-M24 Hs700</b> | M24  | Hs700     | 200         | 10       | 24.00   |

Capacity per couple hinges, L/H=1

## 178

Hinge with wings for 180° opening  
Gond avec ailes pour ouverture à 180°  
Torband mit Laschen für 180° Öffnung



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10819505 001 | <b>178-M12</b> | M12  | Galvanized | 50          | 10       | 5.63    |
| 10819510 001 | <b>178-M16</b> | M16  | Galvanized | 75          | 10       | 8.14    |
| 10819515 001 | <b>178-M20</b> | M20  | Galvanized | 125         | 10       | 14.90   |
| 10819520 001 | <b>178-M24</b> | M24  | Galvanized | 200         | 10       | 22.16   |

Capacity per couple hinges, L/H=1

NEW  
178 Hs700

Hinge with wings for 180° opening  
Gond avec ailes pour ouverture à 180°  
Torband mit Laschen für 180° Öffnung



**Hs700**  
COVERSYSTEM

| Code         | Art.                 | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------|------|-----------|-------------|----------|---------|
| 10819505 018 | <b>178-M12 Hs700</b> | M12  | Hs700     | 50          | 10       | 5.63    |
| 10819510 018 | <b>178-M16 Hs700</b> | M16  | Hs700     | 75          | 10       | 8.14    |
| 10819515 018 | <b>178-M20 Hs700</b> | M20  | Hs700     | 125         | 10       | 14.9    |
| 10819520 018 | <b>178-M24 Hs700</b> | M24  | Hs700     | 200         | 10       | 22.16   |

Capacity per couple hinges, L/H=1

| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 10814005 001 | <b>180-M18</b> | Ø30 R45-70 | Galvanized | 100         | 20       | 9.24    |
| 10814010 001 | <b>180-M22</b> | Ø35 R45-75 | Galvanized | 160         | 10       | 6.78    |
| 10814015 001 | <b>180-M27</b> | Ø40 R55-95 | Galvanized | 260         | 10       | 10.73   |

Capacity per couple hinges, L/H=1



# 180

Clamp-hinge with greaser and bush  
Gond à collier avec graisseur et douille  
Halseisenband mit  
Schmierbüchse und Buchse

| Code         | Art.           | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-------------|------------|-------------|----------|---------|
| 10814505 001 | <b>182-M18</b> | Ø30 R55-85  | Galvanized | 100         | 20       | 9.72    |
| 10814510 001 | <b>182-M22</b> | Ø35 R64-100 | Galvanized | 160         | 10       | 7.18    |
| 10814515 001 | <b>182-M27</b> | Ø40 R75-115 | Galvanized | 260         | 10       | 11.73   |

Capacity per couple hinges, L/H=1



# 182

Clamp-hinge with greaser and adjustable nut  
Gond à collier avec graisseur et écrou réglable  
Halseisenband mit Schmierbüchse und verstellbarer Mutter

| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 10814506 001 | <b>182B-M18</b> | Ø30 R55-85  | Galvanized | 100         | 20       | 9.72    |
| 10814507 001 | <b>182B-M22</b> | Ø35 R64-100 | Galvanized | 160         | 10       | 7.18    |
| 10814516 001 | <b>182B-M27</b> | Ø40 R75-115 | Galvanized | 260         | 10       | 11.73   |

Capacity per couple hinges, L/H=1



# 182B

Clamp-hinge with greaser and adjustable nut  
Gond à collier avec graisseur et écrou réglable  
Halseisenband mit Schmierbüchse und verstellbarer Mutter

| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 10815005 001 | <b>184-M18</b> | Ø30 R40-70 | Galvanized | 100         | 20       | 10.28   |
| 10815010 001 | <b>184-M22</b> | Ø35 R45-80 | Galvanized | 160         | 10       | 7.27    |
| 10815015 001 | <b>184-M27</b> | Ø40 R55-95 | Galvanized | 260         | 10       | 10.49   |

Capacity per couple hinges, L/H=1



# 184

Clamp-hinge with greaser to be cemented  
Gond à collier avec graisseur à sceller  
Halseisenband mit Schmierbüchse zum Ausbetonieren

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10817505 001 | <b>185-M18</b> | Ø30  | Galvanized | 100         | 8        | 4.06    |
| 10817510 001 | <b>185-M22</b> | Ø35  | Galvanized | 160         | 6        | 4.23    |
| 10817515 001 | <b>185-M27</b> | Ø40  | Galvanized | 260         | 6        | 5.27    |

Capacity per couple hinges, L/H=1



# 185

Clamp-hinge body with greaser for threaded bars  
Corps gond à collier avec graisseur pour barres filetées  
Halseisenbandkörper mit Schmierbüchse für Profile mit Gewinde

| Code         | Art.           | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-------------|------------|-------------|----------|---------|
| 10815505 001 | <b>186-M18</b> | Ø30 R55-85  | Galvanized | 100         | 20       | 16.94   |
| 10815510 001 | <b>186-M22</b> | Ø35 R64-100 | Galvanized | 160         | 10       | 10.50   |
| 10815515 001 | <b>186-M27</b> | Ø40 R75-115 | Galvanized | 260         | 10       | 16.85   |

Capacity per couple hinges, L/H=1



# 186

Clamp-hinge with greaser and plate with adjustable nut  
Gond à collier avec graisseur et platine avec écrou réglable  
Halseisenband mit Schmierbüchse und Platte mit verstellbarer Mutter



## 188

Clamp-hinge with greaser  
and plate with bush  
Gond à collier avec graisseur  
et platine avec douille  
Halseisenband mit Schmierbüchse  
und Platte mit Buchse



| Code         | Art.           | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-------------|------------|-------------|----------|---------|
| 10816005 001 | <b>188-M18</b> | Ø30 R55-85  | Galvanized | 100         | 20       | 16.58   |
| 10816010 001 | <b>188-M22</b> | Ø35 R64-100 | Galvanized | 160         | 10       | 10.29   |
| 10816015 001 | <b>188-M27</b> | Ø40 R75-115 | Galvanized | 260         | 10       | 16.70   |

Capacity per couple hinges, L/H=1

## 189

Nut for hinges  
Écrou pour gonds  
Mutter für Torbänder



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10822018 001 | <b>189-M18</b> | M18  | Galvanized |             | 50       | 1.40    |
| 10822020 001 | <b>189-M20</b> | M20  | Galvanized |             | 50       | 1.70    |
| 10822022 001 | <b>189-M22</b> | M22  | Galvanized |             | 50       | 1.85    |
| 10822024 001 | <b>189-M24</b> | M24  | Galvanized |             | 50       | 2.50    |
| 10822027 001 | <b>189-M27</b> | M27  | Galvanized |             | 50       | 4.50    |

## 190

Holed pivot with square  
base for clamp-hinges  
Pivot percé avec base carrée  
pour gonds à collier  
Anschweißstück mit Bohrungen und  
Quadrat-Fuß für Halseisenbänder



| Code     | Art.          | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|-------------|-----------|-------------|----------|---------|
| 10816505 | <b>190-30</b> | Ø30 30x30x3 | Raw       |             | 20       | 4.92    |
| 10816510 | <b>190-35</b> | Ø35 35x35x3 | Raw       |             | 10       | 4.03    |
| 10816515 | <b>190-40</b> | Ø40 40x40x3 | Raw       |             | 10       | 6.10    |

## 192

Oversize holed pivot with square  
base for clamp-hinges  
Pivot plus grand percé avec base  
carrée pour gonds à collier  
Grösser Anschweißstück mit Bohrungen  
und Quadrat-Fuß für Halseisenbänder



| Code     | Art.          | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|-------------|-----------|-------------|----------|---------|
| 10817005 | <b>192-30</b> | Ø30 35x35x3 | Raw       |             | 20       | 5.74    |
| 10817010 | <b>192-35</b> | Ø35 40x40x3 | Raw       |             | 10       | 4.53    |
| 10817015 | <b>192-40</b> | Ø40 50x50x3 | Raw       |             | 10       | 7.61    |

## 194

Bottom pivot with square base  
Pivot inférieur avec base carrée  
Lagerzapfen mit Quadrat-Fuß



| Code     | Art.          | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|---------|-----------|-------------|----------|---------|
| 10818005 | <b>194-30</b> | 30x30x3 | Raw       | 280         | 20       | 3.68    |
| 10818010 | <b>194-35</b> | 35X35X3 | Raw       | 350         | 10       | 2.67    |
| 10818015 | <b>194-40</b> | 40x40x3 | Raw       | 550         | 10       | 3.15    |
| 10818020 | <b>194-50</b> | 50x50x3 | Raw       | 550         | 10       | 4.47    |

Capacity per couple hinges, L/H=1

## 194PST

Bottom ground plate to be  
fixed with spherical pivot  
Platine de base inférieure à  
fixer avec pivot sphérique  
Bodenplatte zum Anschrauben  
mit Kugelzapfen



| Code         | Art.                | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|---------|------------|-------------|----------|---------|
| 10818101 001 | <b>194PST-40X40</b> | 40x40x3 | Galvanized | 150         | 5        | 3.70    |

Capacity per couple hinges, L/H=1



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10701520 001 | <b>195-400</b> | 400  | Galvanized | 400         | 10       | 0.90    |
| 10701530 001 | <b>195-500</b> | 500  | Galvanized | 400         | 10       | 1.10    |
| 10701540 001 | <b>195-600</b> | 600  | Galvanized | 400         | 10       | 1.30    |
| 10701550 001 | <b>195-700</b> | 700  | Galvanized | 400         | 10       | 1.60    |



**195**

Safety cable for swinging gate anti downfall  
Cable anti-chute pour portail battent  
Fall-Schutz Kabel

| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 10200108 001 | <b>197</b> | 250  | Galvanized |             | 10       | 1.80    |



**197**

Threaded bar for anti fall cable  
Tige filetée pour cable anti-chute  
Gewindestange für Fall-Schutz Kabel

| Code     | Art.          | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|-------|-----------|-------------|----------|---------|
| 10818505 | <b>196-30</b> | Ø30x3 | Raw       |             | 20       | 4.80    |
| 10818510 | <b>196-35</b> | Ø35x3 | Raw       |             | 10       | 4.14    |
| 10818515 | <b>196-40</b> | Ø40x3 | Raw       |             | 10       | 7.70    |



**196**

Holed pivot with round base for clamp-hinges  
Pivot percé avec base ronde pour gonds à collier  
Anschweißstück mit Bohrungen und Rund-Fuß für Halseisenbänder

| Code     | Art.          | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|-------|-----------|-------------|----------|---------|
| 10819005 | <b>198-30</b> | Ø30x3 | Raw       | 280         | 10       | 1.54    |
| 10819010 | <b>198-35</b> | Ø35x3 | Raw       | 350         | 10       | 2.30    |
| 10819015 | <b>198-40</b> | Ø40x3 | Raw       | 550         | 10       | 2.76    |

Capacity per couple hinges, L/H=1



**198**

Bottom pivot with round base  
Pivot inférieur avec base ronde  
Lagerzapfen mit Rund-Fuss

| Code     | Art.          | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|---------|-----------|-------------|----------|---------|
| 10704701 | <b>199-40</b> | Piccolo | Raw       |             | 6        | 1.64    |
| 10704705 | <b>199-50</b> | Medio   | Raw       |             | 6        | 2.26    |
| 10704710 | <b>199-60</b> | Grande  | Raw       |             | 6        | 3.00    |



**199**

Upper end with shock absorber cup  
Butée supérieure avec bouchon amortisseur  
Oberer Auflageschuh mit Schlusdämpfer

| Code         | Art.         | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-------|------------|-------------|----------|---------|
| 10701505 001 | <b>200-P</b> | H=96  | Galvanized |             | 30       | 7.89    |
| 10701510 001 | <b>200-G</b> | H=120 | Galvanized |             | 15       | 6.92    |



**200**

Runaway stop  
Butoir de fin de course  
Torendpuffer

## 201

Strike plate to be fastened  
with triple function  
Butée à fixer triple fonction  
Auflaufschuh zur Befestigung  
mit dreifacher Funktion



| Code         | Art. | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------|-------|------------|-------------|----------|---------|
| 10701450 001 | 201  | H=132 | Galvanized |             | 2        | 2.78    |

## 202

Runaway stop to be screwed  
Boutoir de fin de course  
avec base à visser  
Torendpuffer mit Befestigungsplatte  
zum Anschrauben



| Code         | Art.             | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-------|------------|-------------|----------|---------|
| 10701805 001 | 202-P <b>NEW</b> | H=96  | Galvanized |             | 20       | 12.00   |
| 10701810 001 | 202-G            | H=120 | Galvanized |             | 10       | 7.35    |

## 202F-A

Damped runaway stop to be screwed  
Boutoir de fin de course  
amorti avec base à visser  
Torendpuffer mit Platte  
zum Anschrauben



| Code         | Art.   | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------|-------|------------|-------------|----------|---------|
| 10704201 001 | 202F-A | H=106 | Galvanized |             | 4        | 5.60    |

## 202F-B

Adjustable runaway stop to be  
screwed for wing gates  
Boutoir de fin de course à visser  
réglable pour portails à vantaux  
Verstellbarer Torendpuffer zum  
Anschrauben für Flügeltore



| Code         | Art.   | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------|-------|------------|-------------|----------|---------|
| 10704301 001 | 202F-B | H=130 | Galvanized |             | 4        | 6.40    |

## 202F-C

Adjustable runaway stop to be screwed  
Boutoir de fin de course  
à visser réglable  
Verstellbarer Torendpuffer  
zum Anschrauben



| Code         | Art.   | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------|-------|------------|-------------|----------|---------|
| 10704401 001 | 202F-C | H=130 | Galvanized |             | 10       | 12.40   |

## 203

Open adjustable end with  
shock absorber cups  
Butée ouverte avec  
bouchons amortisseurs  
Verstellbarer geöffneter Auflageschuh  
mit Schlussdämpfern



| Code         | Art.                                                                                    | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------------------------------------------------------------------------------|---------|------------|-------------|----------|---------|
| 10704501 001 | 203  | R80-150 | Galvanized |             | 2        | 5.82    |



| Code         | Art.       | Size                                                                                      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10704550 001 | <b>204</b> |  R80-150 | Galvanized |             | 2        | 7.30    |



## 204

Closed adjustable end with shock absorber cups  
Butée fermée réglable avec bouchons amortisseurs  
Verstellbarer geschlossener Auflageschuh mit Schlussdämpfern

| Code     | Art.       | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|-------|-----------|-------------|----------|---------|
| 10900505 | <b>205</b> | 30-50 | Nylon     |             | 10       | 2.10    |



## 205

Nylon handle  
Béquille en nylon  
Nylon-Türdrücker

| Code         | Art.       | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------|-----------|-------------|----------|---------|
| 10906601 503 | <b>209</b> | 30-50 | RAL9005   |             | 20       | 5.56    |
| 10906601 604 | <b>209</b> | 30-50 | Silver    |             | 20       | 5.52    |



## 209

Aluminium handle "Sonia"  
Béquille en aluminium "Sonia"  
Aluminium-Türdrücker Modell "Sonia"

| Code         | Art.             | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-------|-----------|-------------|----------|---------|
| 10901005 503 | <b>210-25-35</b> | 25-35 | RAL9005   |             | 20       | 3.50    |
| 10901005 516 | <b>210-25-35</b> | 25-35 | RAL7035   |             | 20       | 3.50    |
| 10901010 503 | <b>210-40-50</b> | 40-50 | RAL9005   |             | 20       | 3.60    |
| 10901010 516 | <b>210-40-50</b> | 40-50 | RAL7035   |             | 20       | 3.60    |
| 10901015 503 | <b>210-50-60</b> | 50-60 | RAL9005   |             | 20       | 3.70    |
| 10901015 516 | <b>210-50-60</b> | 50-60 | RAL7035   |             | 20       | 3.70    |
| 10901020 503 | <b>210-60-70</b> | 60-70 | RAL9005   |             | 20       | 3.90    |
| 10901020 516 | <b>210-60-70</b> | 60-70 | RAL7035   |             | 20       | 3.90    |



## 210

Aluminium handle  
Béquille en aluminium  
Aluminium-Türdrücker

| Code         | Art.       | Size                                                                                      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 10901305 503 | <b>211</b> | 25-80                                                                                     | RAL9005   |             | 20       | 4.10    |
| 10901305 516 | <b>211</b> |  25-80 | RAL7035   |             | 20       | 4.10    |



## 211

Aluminium handle with dowel  
Béquille en aluminium avec grain  
Aluminium-Türdrücker mit Korn

| Code         | Art.       | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|-------------|----------|---------|
| 10970005 503 | <b>212</b> |      | RAL9005   |             | 10       | 1.20    |



## 212

Black handle to move shutter/grate  
Poignée pour persiennes  
Griff für Fensterläden

| Code         | Art.       | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------|-----------|-------------|----------|---------|
| 10905501 503 | <b>213</b> | 30-50 | RAL9005   |             | 20       | 9.34    |

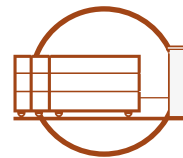


## 213

Aluminium handle "Valentina"  
Béquille en aluminium "Valentina"  
Aluminium-Türdrücker Modell "Valentina"

# Ranger

PATENT  
PENDING



The Comunello telescopic system. A perfect cableless mechanism that maintains precision year after year.





NEW

## RG2

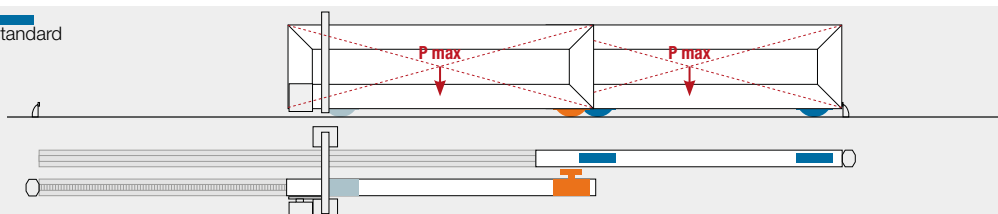
Kit Ranger for telescopic door with 2 leaves, max 400 Kg/leaf  
Kit Ranger pour porte télescopique avec deux vantaux, max 400 Kg/vantail  
Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, max 400 Kg/Flügel



Drive wheel

Free wheel

Second leaf standard free wheel



PATENT PENDING

| Code         | Art.        | P max Kg | Size                      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|----------|---------------------------|------------|----------|---------|
| 11500440 001 | RG2-100.50  | 250      | Ø 100 - tubular width 50  | Galvanized | 1        | 10,30   |
| 11500442 001 | RG2-100.60  | 250      | Ø 100 - tubular width 60  | Galvanized | 1        | 10,40   |
| 11500444 001 | RG2-100.80  | 250      | Ø 100 - tubular width 80  | Galvanized | 1        | 10,70   |
| 11500441 001 | RG2-120.50  | 400      | Ø 120 - tubular width 50  | Galvanized | 1        | 14,20   |
| 11500443 001 | RG2-120.60  | 400      | Ø 120 - tubular width 60  | Galvanized | 1        | 14,20   |
| 11500445 001 | RG2-120.80  | 400      | Ø 120 - tubular width 80  | Galvanized | 1        | 14,40   |
| 11500406 001 | RG2-140.80  | 400      | Ø 140 - tubular width 80  | Galvanized | 1        | 26,40   |
| 11500408 001 | RG2-140.100 | 400      | Ø 140 - tubular width 100 | Galvanized | 1        | 26,70   |

NEW

## RG3

Kit Ranger for telescopic door with 3 leaves, max 200 Kg/leaf  
Kit Ranger pour porte télescopique avec 3 vantaux, max 200 Kg/vantail  
Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, max 200 Kg/Flügel

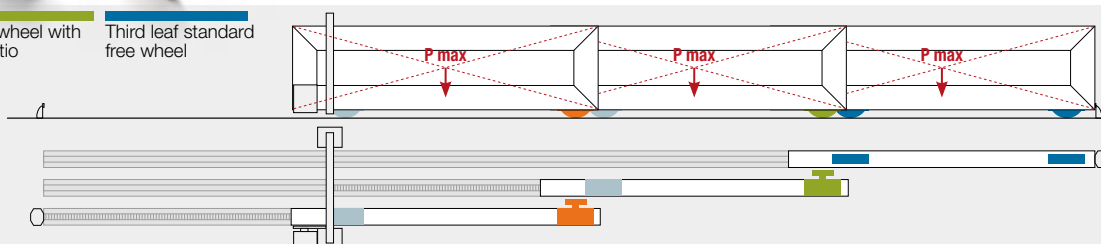


Drive wheel

Free wheel

Drive wheel with low ratio

Third leaf standard free wheel



PATENT PENDING

| Code         | Art.        | P max Kg | Size                      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|----------|---------------------------|------------|----------|---------|
| 11500450 001 | RG3-120.50  | 200      | Ø 120 - tubular width 50  | Galvanized | 1        | 21,80   |
| 11500451 001 | RG3-120.60  | 200      | Ø 120 - tubular width 60  | Galvanized | 1        | 22,50   |
| 11500452 001 | RG3-120.80  | 200      | Ø 120 - tubular width 80  | Galvanized | 1        | 22,80   |
| 11500413 001 | RG3-140.80  | 200      | Ø 140 - tubular width 80  | Galvanized | 1        | 42,60   |
| 11500414 001 | RG3-140.100 | 200      | Ø 140 - tubular width 100 | Galvanized | 1        | 43,20   |

NEW

## RG-10

Template kit for alignment and placement of Ranger system tracks  
Kit de gabarit pour l'alignement et le placement de rails du système Rangert  
Schablone Kit für die Einreihung und die Positionierung den Ranger System BodenLaufschiene



RG-10 P for rack track RG-30 P  
RG-10 G for rack track RG-30 G

| Code         | Art.    | Size                   | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------|------------------------|------------|----------|---------|
| 10131110 001 | RG-10 P | for rack track RG-30 P | Galvanized | 1        | 6,40    |
| 10131101 001 | RG-10 G | for rack track RG-30 G | Galvanized | 1        | 6,40    |

NEW

## RG-15

2 Brush kit  
Kit de 2 brosses  
2 Bürsten Kit



| Code         | Art.  | Size       | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------|------------|------------|----------|---------|
| 12301600 001 | RG-15 | L=50 H=102 | Galvanized | 1        | 0,80    |

NEW

## RG-20

Template kit for wheels fixation  
Kit de gabarit pour la fixation des galets  
Rädern Befestigung Schablone Kit



| Code         | Art.  | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------|------|------------|----------|---------|
| 10131102 001 | RG-20 |      | Galvanized | 1        | 0,90    |

| Code         | Art.               | Size            | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------------|-----------------|------------|----------|---------|
| 11400539 001 | <b>RG-30 P 2MT</b> | 15x15 L=80 H=23 | Galvanized | 1        | 9,00    |
| 11400534 001 | <b>RG-30 G 2MT</b> | 20x20 L=88 H=24 | Galvanized | 1        | 10,80   |

| Code     | Art.                | Size            | Finishing | Pcs/pack | Kg/pack |
|----------|---------------------|-----------------|-----------|----------|---------|
| 11400639 | <b>RG-30i P 2MT</b> | 15x15 L=80 H=23 | S.steel   | 1        | 9,00    |
| 11400634 | <b>RG-30i G 2MT</b> | 20x20 L=88 H=24 | S.steel   | 1        | 10,80   |

| Code         | Art.         | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|----------|---------|
| 11500420 001 | <b>RG-40</b> |      | Galvanized | 1        | 7,58    |



## NEW RG-30

Rack track to be bolted (P= for 97 mm and 117 mm wheels, G= for 148 mm wheels)  
 Rail et crémaillère à visser (P= pour galets de Ø 97 et 117 mm, G= pour galets de Ø 148 mm)  
 Rackschiene zur Befestigung (P= für Rädern von 97 - 117 mm, G= für Rädern von 148 mm)



## NEW RG-40

Speed reduction system for M4 module racks  
 Système de réduction de vitesse pour crémaillères avec module M4  
 Geschwindigkeitsreduzierungssystem für M4-Zahnstangen

| Code     | Art.         | Size | Finishing | Pcs/pack | Kg/pack |
|----------|--------------|------|-----------|----------|---------|
| 11500421 | <b>RG-45</b> |      |           | 1        | 0,1     |



## NEW RG-45

Electromechanical limit switch  
 Fin de course électromécanique  
 Elektromechanischer Endschalter

| Code         | Art.          | Size           | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------|----------------|------------|----------|---------|
| 11306415 001 | <b>RG-252</b> | L=210 H=60 Ø30 | Galvanized | 1        | 1,30    |



## NEW RG-252

Guiding plate for gate with two 2 rollers  
 Platine guide-portail avec 2 rouleaux  
 Torführungsbugel mit 2 Führungsrolle

| Code         | Art.          | Size           | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------|----------------|------------|----------|---------|
| 11306410 001 | <b>RG-254</b> | L=300 H=60 Ø30 | Galvanized | 1        | 2,00    |



## NEW RG-254

Guiding plate for gate with two 4 rollers  
 Platine guide-portail avec 4 rouleaux  
 Torführungsbugel mit 4 Führungsrolle

| Code         | Art.             | Size     | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------------|----------|------------|----------|---------|
| 10210105 001 | <b>RG-387.3M</b> | 35X35 x2 | Galvanized | 1        | 4,70    |
| 10210101 001 | <b>RG-387.6M</b> | 35X35 x2 | Galvanized | 1        | 9,40    |

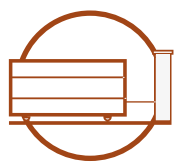


## NEW RG-387

3/6 m "u" profile for guiding plate  
 RG-254 and RG-252  
 Profil 3/6 m en forme de "u" pour platine guide TG-254 et TG-252  
 3/6 m U-Profil für Torführungsbugel RG-254 und RG-252



Life  
made  
easy



# Sliding Gates

Locks, Guide rollers and Racks

 **COMUNELLO****GATE**

## 215

Hook-lock with cylinder  
Serrure à crochet avec cylindre  
Hackenschloss mit Schließzylinder



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11200501 001 | <b>215-50</b> |      | Galvanized |             | 5        | 6.23    |
| 11200505 001 | <b>215-60</b> |      | Galvanized |             | 5        | 6.23    |

## 215-S

Hook-lock without cylinder  
Serrure à crochet sans cylindre  
Hackenschloss ohne Schließzylinder



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11200601 001 | <b>215S-50</b> |      | Galvanized |             | 5        | 5.25    |
| 11200605 001 | <b>215S-60</b> |      | Galvanized |             | 5        | 5.23    |

## 216

Counter-plate for lock 215  
Contre-platine pour serrure 215  
Gegenplatte für Schloss 215



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11201005 001 | <b>216</b> |      | Galvanized |             | 25       | 3.45    |

## 217

End with shock absorber  
cups for hook-lock  
Butée pour serrure à crochet  
avec bouchons amortisseurs  
Auflauschuh für Hackenschloss  
mit Schlusdämpfern



| Code     | Art.          | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|-------------|----------|---------|
| 11201701 | <b>217-40</b> | 42   | Raw       |             | 4        | 2.24    |
| 11201705 | <b>217-50</b> | 52   | Raw       |             | 4        | 2.60    |
| 11201710 | <b>217-60</b> | 62   | Raw       |             | 4        | 3.96    |

## 220

Lock cover  
Couvre serrure  
Einbauschlosskasten



| Code     | Art.          | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|-------------|----------|---------|
| 11202005 | <b>220-40</b> |      | Raw       |             | 20       | 11.70   |
| 11202010 | <b>220-50</b> |      | Raw       |             | 20       | 11.70   |

## 222

Plate face hook-lock with cylinder  
Serrure à crochet plat avec cylindre  
Hackenschloss flach mit Schließzylinder



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11215530 001 | <b>222-30</b> |      | Galvanized |             | 5        | 3.20    |
| 11215535 001 | <b>222-35</b> |      | Galvanized |             | 5        | 3.60    |
| 11215540 001 | <b>222-40</b> |      | Galvanized |             | 5        | 3.70    |
| 11215545 001 | <b>222-45</b> |      | Galvanized |             | 5        | 3.75    |
| 11215550 001 | <b>222-50</b> |      | Galvanized |             | 5        | 3.60    |
| 11215560 001 | <b>222-60</b> |      | Galvanized |             | 5        | 4.05    |





| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11215531 001 | <b>223-30</b> |      | Galvanized |             | 5        | 2.52    |
| 11215536 001 | <b>223-35</b> |      | Galvanized |             | 5        | 2.64    |
| 11215541 001 | <b>223-40</b> |      | Galvanized |             | 5        | 2.40    |
| 11215546 001 | <b>223-45</b> |      | Galvanized |             | 5        | 2.50    |
| 11215551 001 | <b>223-50</b> |      | Galvanized |             | 5        | 2.60    |
| 11215561 001 | <b>223-60</b> |      | Galvanized |             | 5        | 2.80    |



## 223

Plate face hook-lock without cylinder  
Serrure à crochet plat sans cylindre  
Hackenschloss flach ohne  
Schließzylinder

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11300505 001 | <b>227-30</b> | M16  | Galvanized |             | 20       | 6.40    |
| 11300510 001 | <b>227-42</b> | M16  | Galvanized |             | 20       | 13.80   |



## 227

Brass roller  
Rouleau en laiton  
Führungsrolle aus Messing

| Code         | Art.                | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|------|-----------|-------------|----------|---------|
| 11301021 001 | <b>228-30 nylon</b> | M16  | Black     |             | 20       | 3.70    |
| 11301031 001 | <b>228-40 nylon</b> | M16  | Black     |             | 20       | 5.20    |
| 11301041 001 | <b>228-50 gomma</b> | M16  | Black     |             | 20       | 5.22    |

| Code         | Art.                   | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------------|------|-----------|-------------|----------|---------|
| 19915400 001 | <b>SP-228-50 nylon</b> | M20  | Black     |             | 2        | 1.20    |



## 228

228-30 / 228-40 / SP-228-50  
Black nylon roller  
Rouleau en nylon noir  
Schwarze Nylon-Führungsrolle

2 BEARINGS

228-50  
Black rubber roller  
Rouleau en caoutchouc noir  
Schwarze Gummi-Führungsrolle

| Code         | Art.                | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|------|-----------|-------------|----------|---------|
| 11308002 001 | <b>229-32 gomma</b> | M16  | Black     |             | 20       | 5.20    |
| 11308003 001 | <b>229-39 gomma</b> | M16  | Black     |             | 20       | 5.30    |
| 11308001 001 | <b>229-45 gomma</b> | M16  | Black     |             | 20       | 5.20    |



## 229

Black rubber roller - Rouleau  
en caoutchouc noir - Schwarze  
Gummi-Führungsrolle

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11301005 001 | <b>230-25</b> | M14  | Galvanized |             | 20       | 2.44    |
| 11301010 001 | <b>230-30</b> | M16  | Galvanized |             | 20       | 3.70    |
| 11301015 001 | <b>230-40</b> | M16  | Galvanized |             | 20       | 5.24    |
| 11301017 001 | <b>230-41</b> | M16  | Galvanized |             | 20       | 4.40    |
| 11301020 001 | <b>230-42</b> | M16  | Galvanized |             | 20       | 5.46    |



## 230

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11301505 001 | <b>231-52</b> | M16  | Galvanized |             | 20       | 5.74    |



## 231

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle



## 232

Nylon roller with accident prevention  
Rouleau en nylon pour la prévention des accidents  
Nylon-Führungsrolle für die Unfallverhütung



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11302210 001 | <b>232-30</b> | M16  | Galvanized |             | 20       | 4.20    |
| 11302215 001 | <b>232-40</b> | M16  | Galvanized |             | 20       | 5.68    |

NEW

## 232N

Black nylon roller with accident prevention  
Rouleau en nylon noir pour la prévention des accidents  
Schwarze Nylon-Führungsrolle für die Unfallverhütung



| Code         | Art.                 | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------|------|------------|-------------|----------|---------|
| 11302211 001 | <b>232N-30 nylon</b> | M16  | Galvanized |             | 20       | 4,4     |
| 11302217 001 | <b>232N-40 nylon</b> | M16  | Galvanized |             | 20       | 5,9     |

NEW

## 233

Nylon roller with O-ring  
Rouleau en nylon avec joint toriques  
Nylon-Führungsrolle mit O-ring



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11301009 001 | <b>233-25</b> | M14  | Galvanized |             | 20       | 1.50    |
| 11301014 001 | <b>233-30</b> | M16  | Galvanized |             | 20       | 4.36    |
| 11301022 001 | <b>233-40</b> | M16  | Galvanized |             | 20       | 5.90    |

## 235

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11302005 001 | <b>235-35</b> | M10  | Galvanized |             | 20       | 2.02    |

## 240

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11302010 001 | <b>240-37,5</b> | M10  | Galvanized |             | 20       | 2.18    |

## 242

Nylon conical roller  
Rouleau conique en nylon  
Nylon-Führungsrolle mit konischem Verlauf



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11302505 001 | <b>242-37,5</b> | M10  | Galvanized |             | 20       | 2.30    |



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11303005 001 | <b>243-25</b> | M12  | Galvanized |             | 20       | 2.34    |
| 11303010 001 | <b>243-30</b> | M14  | Galvanized |             | 20       | 3.30    |
| 11303015 001 | <b>243-40</b> | M14  | Galvanized |             | 20       | 3.58    |



## 243

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11303505 001 | <b>244-25</b> | M12  | Galvanized |             | 20       | 1.32    |
| 11303510 001 | <b>244-30</b> | M14  | Galvanized |             | 20       | 2.10    |
| 11303515 001 | <b>244-40</b> | M14  | Galvanized |             | 20       | 3.22    |



## 244

Pivot with bearing  
Pivot avec roulement  
Bolzen mit Kugellager

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11304005 001 | <b>245-32</b> | M14  | Galvanized |             | 20       | 2.90    |
| 11304010 001 | <b>245-35</b> | M14  | Galvanized |             | 20       | 3.30    |
| 11304015 001 | <b>245-42</b> | M14  | Galvanized |             | 20       | 4.10    |



## 245

Pivot with bearing  
Pivot avec roulement  
Bolzen mit Kugellager

| Code         | Art.       | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|--------------|------------|-------------|----------|---------|
| 11305005 001 | <b>247</b> | Ø34,5 R30-60 | Galvanized |             | 20       | 9.46    |



## 247

Small drive-gate plate  
Petite platine guide-portail  
Kleiner Führungsbügel

| Code         | Art.        | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|------------|-------------|----------|---------|
| 11305008 001 | <b>247F</b> | Ø30 R0-85 | Galvanized |             | 20       | 9.35    |



## 247 F

Small drive-gate plate  
Petite platine guide-portail  
Kleiner Führungsbügel

| Code         | Art.           | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|--------------|------------|-------------|----------|---------|
| 11305505 001 | <b>250-220</b> | Ø34,5 R30-60 | Galvanized |             | 10       | 12.52   |



## 250

Drive-gate adjustable plate  
Platine guide-portail réglable  
Verstellbarer Torführungsbügel

## 251

Adjustable drive-gate plate  
with angle-brackets  
Platine guide-portail réglable  
avec plaques d'angle  
Verstellbarer Torführungsbügel  
mit Eckhalterungen



| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 11305805 001 | <b>251-220</b> | Ø30 R0-80  | Galvanized |             | 4        | 13.33   |
| 11305810 001 | <b>251-300</b> | Ø40 R0-120 | Galvanized |             | 2        | 7.50    |

## 252

Double adjustment plate to be  
screwed for gates with 2 columns  
Platine double réglage à visser  
pour portails avec 2 colonnes  
Platte zum Anschrauben mit  
Doppelverstellung für Tore mit zwei Pfeiler



| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 11306205 001 | <b>252-200</b> | Ø40 R0-300 | Galvanized |             | 1        | 4.12    |

## 253

Big nylon-roller to be screwed  
Rouleau en nylon grand à visser  
Maxi-Walze aus Nylon  
zum Anschrauben



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11305701 001 | <b>253-40</b> | L236 | Galvanized |             | 3        | 3.00    |

NEW

## 254

Adjustable guiding plate for gates  
to be screwed, Nylon rollers Ø 52  
Platine guide-portail réglable à  
visser, Rouleaux en nylon Ø 52  
Verstellbarer Torführungsbügel  
zum Anschrauben, Nylon-  
Führungsrollen Ø 52



| Code         | Art.       | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------------|------------|-------------|----------|---------|
| 11305405 001 | <b>254</b> | Ø52 R0-200 | Galvanized |             | 4        | 9.20    |

## 255

Guiding plate for gates with  
double adjustment  
Platine guide-portail à double réglage  
Torführungsbügel mit Doppelverstellung



| Code         | Art.                                                                       | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------------------------------------------------------------|------------|------------|-------------|----------|---------|
| 11306005 001 | <b>255-220</b>                                                             | Ø30 R35-62 | Galvanized |             | 10       | 22.71   |
| 11306009 001 | <b>255-220 D40</b> <span style="color: red; font-weight: bold;">NEW</span> | Ø40 R35-62 | Galvanized |             | 10       | 22.71   |
| 11306010 001 | <b>255-350</b>                                                             | Ø40 R62-85 | Galvanized |             | 5        | 27.92   |

## 255-N

Guiding plate for gates with  
double adjustment  
Platine guide-portail à double réglage  
Torführungsbügel mit Doppelverstellung



| Code         | Art.            | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------------|------------|-------------|----------|---------|
| 11306004 001 | <b>255N-220</b> | Ø30 R35-62 | Galvanized |             | 10       | 22.71   |
| 11306011 001 | <b>255N-350</b> | Ø40 R62-85 | Galvanized |             | 5        | 27.92   |



| Code         | Art.           | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|-------------|----------|---------|
| 11305905 001 | <b>256-220</b> | Ø30 R0-80  | Galvanized |             | 4        | 12.57   |
| 11305910 001 | <b>256-300</b> | Ø40 R0-120 | Galvanized |             | 2        | 9.03    |



## 256

Adjustable guiding plate for gates with long wing to be screwed  
Platine guide-portail réglable avec aile longue à visser  
Verstellbarer Torführungsbügel mit langem Flügel zum Anschrauben

| Code         | Art.           | Size                                                                                     | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 11306510 001 | <b>257-300</b> |  R0-117 | Galvanized |             | 4        | 15.85   |
| 11306515 001 | <b>257-400</b> |  R0-117 | Galvanized |             | 4        | 18.50   |
| 11306520 001 | <b>257-500</b> |  R0-117 | Galvanized |             | 4        | 22.02   |
| 11306525 001 | <b>257-600</b> |  R0-117 | Galvanized |             | 4        | 23.72   |
| 11306530 001 | <b>257-700</b> |  R0-117 | Galvanized |             | 4        | 26.85   |
| 11306535 001 | <b>257-800</b> |  R0-117 | Galvanized |             | 4        | 29.41   |



## 257

Adjustable big plate for gates  
Platine guide-portail réglable géante  
Extra-grosser verstellbarer Torführungsbügel

| Code         | Art.          | Size                                                                                     | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 11306405 001 | <b>258-30</b> |  R30-45 | Galvanized |             | 6        | 14.40   |

combinable with the "U" profile RG-387



## 258

Adjustable internal guiding plate for gates to be screwed  
Platine guide-portail intérieur réglable à visser  
Verstellbarer Innenführungsbügel für Tore zum Anschrauben

| Code         | Art.             | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|--------|------------|-------------|----------|---------|
| 11400505 001 | <b>260-22x22</b> | L=1000 | Galvanized | 3000        | 1        | 3.13    |
| 11400510 001 | <b>260-22x22</b> | L=2000 | Galvanized | 3000        | 1        | 6.22    |
| 11400515 001 | <b>260-30x30</b> | L=1000 | Galvanized | 3000        | 1        | 6.00    |
| 11400518 001 | <b>260-30x30</b> | L=2000 | Galvanized | 3500        | 1        | 12.00   |

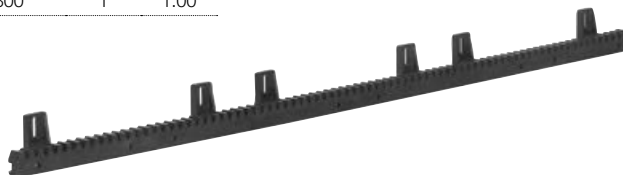


## 260

Square rack  
Crémaillère carrée  
Viereckige Zahnstange

| Code     | Art.             | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|--------|-----------|-------------|----------|---------|
| 11400102 | <b>261-26X20</b> | L=1000 | Nylon     | 800         | 1        | 1.00    |

**NEW**



## 261

Nylon-rack with steel body  
Crémaillère en nylon avec corps en acier  
Nylon-Zahnstange mit Stahlkörper

| Code         | Art.             | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|--------|------------|-------------|----------|---------|
| 11401205 001 | <b>262-30x8</b>  | L=1000 | Galvanized | 1000        | 1        | 1.63    |
| 11401005 001 | <b>262-30x12</b> | L=1000 | Galvanized | 1000        | 1        | 2.44    |
| 11401010 001 | <b>262-30x12</b> | L=2000 | Galvanized | 1000        | 1        | 4.87    |



## 262

Rectangular rack 30x8-30x12 with holes  
Crémaillère rectangulaire 30x8-30x12 avec trous  
Rechteckige Zahnstange 30x8-30x12 mit Bohrungen

## 263

Fixing unit for rectangular rack  
 Attache-entretroise pour  
 crémaillère rectangulaire  
 Distanzstück für rechteckige  
 Zahnstange



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11401710 001 | <b>263</b> |      | Galvanized |             | 30       | 2.01    |

## 264

Support for rectangular  
 rack to be welded  
 Attache-entretroise pour  
 crémaillère rectangulaire  
 Distanzstück für rechteckige  
 Zahnstange zum Schweißen



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11401505 001 | <b>264</b> |      | Galvanized |             | 30       | 1.50    |

## 265

Antitheft rack  
 Crémaillère antivol  
 Zackenleiste



| Code     | Art.       | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|--------|-----------|-------------|----------|---------|
| 11402001 | <b>265</b> | L=2000 | Raw       |             | 10       | 8.39    |
| 11402005 | <b>265</b> | L=3000 | Raw       |             | 10       | 13.39   |

**NEW**  
 265L

Antitheft rack to be fixed  
 Crémaillère antivol à visser  
 Zackenleiste zum Anschrauben



| Code         | Art.        | Size   | Finishing          | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|--------|--------------------|-------------|----------|---------|
| 11402002 001 | <b>265L</b> | L=1992 | Hot dip galvanised |             | 10       | 20      |

## 266

Alloy support for rectangular rack  
 Attache-entretroise en zamac  
 pour crémaillère rectangulaire  
 Zamak-Distanzstück für  
 rechteckige Zahnstange



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11402505 001 | <b>266</b> |      | Galvanized |             | 30       | 2.07    |

## 270

Flush-mounted handle  
 Poignée à encaisser  
 Muschelgriff



| Code         | Art.        | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|--------|------------|-------------|----------|---------|
| 10902005 001 | <b>270P</b> | 52X115 | Galvanized |             | 30       | 2.46    |
| 10902010 001 | <b>270G</b> | 90X200 | Galvanized |             | 30       | 7.29    |



| Code         | Art.       | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|-------------|----------|---------|
| 10903005 001 | <b>272</b> | 90X200 | Galvanized |             | 30       | 11.40   |



# 272

Flush-mounted handle with lever  
Poignée à encaisser avec levier  
Muschelgriff mit Triebriegel

| Code         | Art.       | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------|------------|-------------|----------|---------|
| 10702005 001 | <b>275</b> | 40-50 | Galvanized |             | 4        | 2.84    |



# 275

Easy to set up adjustable batten  
Battant réglable à montage rapide  
Einfach zum Einstellen  
verstellbares Schließblech

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10702011 001 | <b>275F-30</b> | 30   | Galvanized |             | 4        | 2.20    |
| 10702016 001 | <b>275F-40</b> | 40   | Galvanized |             | 4        | 2.40    |
| 10702021 001 | <b>275F-50</b> | 50   | Galvanized |             | 4        | 2.80    |
| 10702026 001 | <b>275F-60</b> | 60   | Galvanized |             | 4        | 2.90    |



# 275F

Quick assembly stopper end stroke.  
Battant fin de course  
d'assemblage rapide  
Einfach zum Einstellen Schließblech.

| Code         | Art.             | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|--------|------------|-------------|----------|---------|
| 10812005 001 | <b>282-40x40</b> | R71-84 | Galvanized | 400         | 10       | 17.56   |



# 282

Hinge "Giuliano"  
Gond "Giuliano"  
Torband "Giuliano"

| Code         | Art.             | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|--------|------------|-------------|----------|---------|
| 10813005 001 | <b>285-40x40</b> | R71-84 | Galvanized | 400         | 2        | 6.07    |



# 285

Kit for hinge "Giuliano"  
Kit complet gond "Giuliano"  
Satz Torband "Giuliano"

| Code          | Art.             | Size             | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|---------------|------------------|------------------|------------|-------------|----------|---------|
| GEE000BXNOB00 | <b>EAGLE BOX</b> | 404x331H 170/214 | Galvanized | 1           | 11,5     | 6.07    |

 **COMUNELLO**  
AUTOMATION


# EAGLE BOX

Foundation box cathaphoresis, arm kit included  
Boîtier de fondation cataforesis  
avec kit bras et leviers  
Kataphorese Fundamentkasten,  
inklusive Arm Kit

| Code          | Art.                | Size             | Finishing      | Capacity Kg | Pcs/pack | Kg/pack |
|---------------|---------------------|------------------|----------------|-------------|----------|---------|
| GEE000BXNOG00 | <b>EAGLE BOX-HG</b> | 404x331H 170/214 | Hot Galvanized | 1           | 11,5     | 6.07    |

 **COMUNELLO**  
AUTOMATION

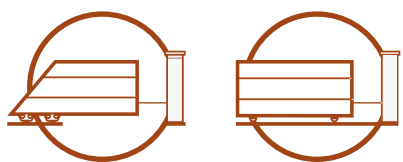

# EAGLE BOX-HG

Hot dipped galvanised foundation  
box with 316L stainless steel  
lid, arm kit included  
Boîte de fondation galvanisée à chaud  
avec couvercle en acier inoxydable  
316L, avec kit bras et leviers  
Feuerverzinkte Fundamentkasten  
Gruppe mit Oberkasten auf  
Edelstahl 316L, Antriebsstange und  
Betätigungsbügel einschliesslich





Life  
made  
easy



# Sliding Gates Rails

 **COMUNELLO****GATE**

## 287

Track to be cemented "Pendolino"  
 Rail à sceller "Pendolino"  
 Bodenlaufschiene zum  
 Einbetonieren "Pendolino"



| Code         | Art.                | Size   | Finishing  | Pcs/pack | Kg/pack  |
|--------------|---------------------|--------|------------|----------|----------|
| 10204001 001 | <b>287P-Ø15-Sp3</b> | L=3000 | Galvanized | 10       | 75.00    |
| 10204011 001 | <b>287P-Ø15-Sp3</b> | L=3000 | Galvanized | 54       | 405.00   |
| 10204002 001 | <b>287P-Ø15-Sp3</b> | L=6000 | Galvanized | 10       | 150.00   |
| 10204012 001 | <b>287P-Ø15-Sp3</b> | L=6000 | Galvanized | 54       | 810.00   |
| 10204018 001 | <b>287-Ø17-Sp3</b>  | L=6000 | Galvanized | 10       | 184.00   |
| 10204020 001 | <b>287-Ø17-Sp3</b>  | L=6000 | Galvanized | 54       | 993.60   |
| 10204013 001 | <b>287G-Ø19-Sp3</b> | L=3000 | Galvanized | 10       | 93.31    |
| 10204007 001 | <b>287G-Ø19-Sp3</b> | L=3000 | Galvanized | 54       | 503.87   |
| 10204014 001 | <b>287G-Ø19-Sp3</b> | L=6000 | Galvanized | 10       | 186.63   |
| 10204008 001 | <b>287G-Ø19-Sp3</b> | L=6000 | Galvanized | 54       | 972.00   |
| 10204015 001 | <b>287G-Ø19-Sp4</b> | L=3000 | Galvanized | 10       | 123.03   |
| 10204009 001 | <b>287G-Ø19-Sp4</b> | L=3000 | Galvanized | 54       | 664.36   |
| 10204016 001 | <b>287G-Ø19-Sp4</b> | L=6000 | Galvanized | 10       | 226.00   |
| 10204010 001 | <b>287G-Ø19-Sp4</b> | L=6000 | Galvanized | 54       | 1,188.00 |

## 287FP

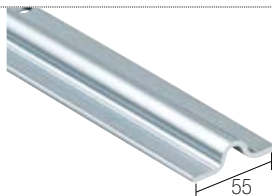
Kit for art. 287G at floor level 4mm tick  
 Kit pour art.287G au niveau  
 du sol épaisseur 4mm  
 Satz für art. 287G auf dem  
 Fußbodenniveau 4mm stark



| Code         | Art.           | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|--------|------------|----------|---------|
| 10204201 001 | <b>287FP-G</b> | L=3000 | Galvanized | 1        | 10.95   |
| 10204202 001 | <b>287FP-G</b> | L=6000 | Galvanized | 1        | 21.72   |

## 289

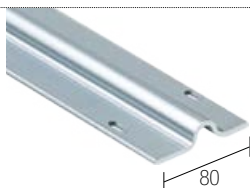
Track to be bolted "Rapido"  
 Rail à visser "Rapido"  
 Laufschiene zum Anschrauben "Rapido"



| Code         | Art.                | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------------|--------|------------|----------|---------|
| 10201501 001 | <b>289P-Ø15-Sp3</b> | L=3000 | Galvanized | 25       | 115.88  |
| 10201502 001 | <b>289P-Ø15-Sp3</b> | L=6000 | Galvanized | 25       | 232.10  |
| 10201505 001 | <b>289G-Ø19-Sp3</b> | L=3000 | Galvanized | 25       | 122.63  |
| 10201510 001 | <b>289G-Ø19-Sp3</b> | L=6000 | Galvanized | 25       | 240.00  |

## 289LG

Track to be bolted "Rapido"  
 Rail à visser "Rapido"  
 Laufschiene zum Anschrauben "Rapido"



| Code         | Art.                 | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------------|--------|------------|----------|---------|
| 10201517 001 | <b>289LG-Ø19-Sp3</b> | L=3000 | Galvanized | 25       | 66.78   |
| 10201518 001 | <b>289LG-Ø19-Sp3</b> | L=6000 | Galvanized | 25       | 133.56  |

## 290

Connection pin for track Art. 289 - Ø15  
 Jonction pour rail Art. 289 - Ø15  
 Verbindungsstift zum  
 Laufschiene Art. 289 - Ø15



| Code         | Art.       | Size  | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-------|------------|----------|---------|
| 10601501 001 | <b>290</b> | 90-Ø9 | Galvanized | 10       | 0.45    |



| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10602005 001 | <b>291</b> | 80-Ø12 | Galvanized | 10       | 0.75    |



## 291

Connection pin for track Art. 289 - Ø19  
Jonction pour rail Art. 289 - Ø19  
Verbindungsstift zum  
Laufschiene Art. 289 - Ø19

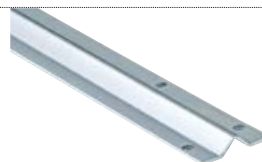
| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10201905 001 | <b>292</b> | L=3000 | Galvanized | 26       | 289.90  |
| 10201910 001 | <b>292</b> | L=6000 | Galvanized | 26       | 579.80  |



## 292

Track to be cemented "Espresso"  
Rail à sceller "Espresso"  
Laufschiene zum Einbetonieren  
"Espresso"

| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10201705 001 | <b>293</b> | L=3000 | Galvanized | 25       | 112.50  |
| 10201710 001 | <b>293</b> | L=6000 | Galvanized | 25       | 225.00  |



## 293

Track to be bolted "Diretto"  
Rail à visser "Diretto"  
Laufschiene zum Anschrauben "Diretto"

| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10602205 001 | <b>294</b> | 90-Ø17 | Galvanized | 10       | 1.60    |



## 294

Connection pin for track Art. 292  
Jonction pour rail Art. 292  
Verbindungsstift zum Art. 292

| Code         | Art.       | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|---------|------------|----------|---------|
| 10602405 001 | <b>295</b> | 90-Ø9,5 | Galvanized | 10       | 0.50    |



## 295

Connection pin for track  
Art. 293 - 287 Ø15  
Jonction pour rail Art. 293 - 287 Ø15  
Verbindungsstift zum Art.  
293 - 287 Ø15

| Code         | Art.        | Size     | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|----------|------------|----------|---------|
| 10601605 001 | <b>297</b>  | 90-Ø12,5 | Galvanized | 10       | 0.90    |
| 10601610 001 | <b>297G</b> | 90-Ø11,0 | Galvanized | 10       | 0.70    |

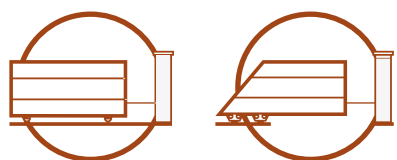


## 297

Connection pin for Art. 287G  
3-4 mm tick  
Jonction pour rail Art. 287G ép. 3-4 mm  
Verbindungsstift zum Artikel  
287G 3-4 mm Stärke



Life  
made  
easy



# Sliding Gates Wheels

 **COMUNELLO****GATE**



## 300 W



Wheel with V groove  
Galet avec gorge V  
Schiebetorrolle mit V-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11501001 001 | <b>300V-40</b>  | Ø40  | Galvanized | 50          | 50       | 5.25    |
| 11501005 001 | <b>300V-50</b>  | Ø50  | Galvanized | 70          | 30       | 5.01    |
| 11501010 001 | <b>300V-60</b>  | Ø60  | Galvanized | 100         | 12       | 3.62    |
| 11501015 001 | <b>300V-70</b>  | Ø68  | Galvanized | 190         | 12       | 6.55    |
| 11501020 001 | <b>300V-80</b>  | Ø78  | Galvanized | 200         | 10       | 7.10    |
| 11501030 001 | <b>300V-90</b>  | Ø88  | Galvanized | 210         | 8        | 7.37    |
| 11501040 001 | <b>300V-100</b> | Ø98  | Galvanized | 220         | 8        | 9.27    |
| 11501050 001 | <b>300V-120</b> | Ø117 | Galvanized | 240         | 6        | 10.00   |
| 11501060 001 | <b>300V-140</b> | Ø137 | Galvanized | 270         | 2        | 5.31    |
| 11501070 001 | <b>300V-160</b> | Ø157 | Galvanized | 290         | 2        | 6.98    |
| 11501080 001 | <b>300V-200</b> | Ø197 | Galvanized | 330         | 2        | 11.22   |

## 300 U



Wheel with U groove  
Galet avec gorge U  
Schiebetorrolle mit U-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11500501 001 | <b>300U-40</b>  | Ø40  | Galvanized | 50          | 50       | 5.05    |
| 11500505 001 | <b>300U-50</b>  | Ø50  | Galvanized | 70          | 30       | 4.80    |
| 11500510 001 | <b>300U-60</b>  | Ø60  | Galvanized | 100         | 12       | 3.70    |
| 11500515 001 | <b>300U-70</b>  | Ø68  | Galvanized | 190         | 12       | 6.46    |
| 11500520 001 | <b>300U-80</b>  | Ø78  | Galvanized | 200         | 10       | 7.00    |
| 11500530 001 | <b>300U-90</b>  | Ø88  | Galvanized | 210         | 8        | 7.40    |
| 11500540 001 | <b>300U-100</b> | Ø98  | Galvanized | 220         | 8        | 9.26    |
| 11500550 001 | <b>300U-120</b> | Ø117 | Galvanized | 240         | 6        | 10.00   |
| 11500560 001 | <b>300U-140</b> | Ø137 | Galvanized | 270         | 2        | 4.94    |
| 11500570 001 | <b>300U-160</b> | Ø157 | Galvanized | 290         | 2        | 6.56    |
| 11500580 001 | <b>300U-200</b> | Ø197 | Galvanized | 330         | 2        | 11.22   |

## 305 W



Wheel with V groove  
Galet avec gorge V  
Schiebetorrolle mit V-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11502040 001 | <b>305V-100</b> | Ø98  | Galvanized | 425         | 8        | 11.68   |
| 11502050 001 | <b>305V-120</b> | Ø117 | Galvanized | 450         | 6        | 12.64   |
| 11502060 001 | <b>305V-140</b> | Ø137 | Galvanized | 550         | 2        | 6.56    |
| 11502070 001 | <b>305V-160</b> | Ø157 | Galvanized | 575         | 2        | 9.24    |
| 11502080 001 | <b>305V-200</b> | Ø197 | Galvanized | 625         | 2        | 14.83   |

## 305 U



Wheel with U groove  
Galet avec gorge U  
Schiebetorrolle mit U-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11501540 001 | <b>305U-100</b> | Ø98  | Galvanized | 425         | 8        | 10.73   |
| 11501550 001 | <b>305U-120</b> | Ø117 | Galvanized | 450         | 6        | 12.75   |
| 11501560 001 | <b>305U-140</b> | Ø137 | Galvanized | 550         | 2        | 6.56    |
| 11501570 001 | <b>305U-160</b> | Ø157 | Galvanized | 575         | 2        | 8.54    |
| 11501580 001 | <b>305U-200</b> | Ø197 | Galvanized | 625         | 2        | 13.95   |

## 306 W



Wheel with discharge Y groove  
Galet gorge Y avec décharge  
Schiebetorrolle mit Y-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11502510 001 | <b>306Y-60</b>  | Ø60  | Galvanized | 100         | 12       | 3.54    |
| 11502520 001 | <b>306Y-80</b>  | Ø78  | Galvanized | 200         | 10       | 6.90    |
| 11502530 001 | <b>306Y-90</b>  | Ø88  | Galvanized | 210         | 8        | 7.12    |
| 11502540 001 | <b>306Y-100</b> | Ø98  | Galvanized | 220         | 8        | 8.90    |
| 11502550 001 | <b>306Y-120</b> | Ø117 | Galvanized | 240         | 6        | 10.00   |
| 11502560 001 | <b>306Y-140</b> | Ø137 | Galvanized | 270         | 2        | 5.22    |
| 11502570 001 | <b>306Y-160</b> | Ø157 | Galvanized | 290         | 2        | 6.86    |
| 11502580 001 | <b>306Y-200</b> | Ø197 | Galvanized | 330         | 2        | 11.30   |



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11503040 001 | <b>307Y-100</b> | Ø98  | Galvanized | 425         | 8        | 11.38   |
| 11503050 001 | <b>307Y-120</b> | Ø117 | Galvanized | 450         | 6        | 12.48   |
| 11503060 001 | <b>307Y-140</b> | Ø137 | Galvanized | 550         | 2        | 6.56    |
| 11503070 001 | <b>307Y-160</b> | Ø157 | Galvanized | 575         | 2        | 9.19    |
| 11503080 001 | <b>307Y-200</b> | Ø197 | Galvanized | 625         | 2        | 14.77   |



# 307



Wheel with discharge Y groove  
Galet gorge Y avec décharge  
Schiebetorrolle mit Y-Rille

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11504020 001 | <b>308-50</b> | Ø50  | Galvanized | 100         | 12       | 2.52    |
| 11504030 001 | <b>308-60</b> | Ø60  | Galvanized | 100         | 12       | 3.53    |
| 11504040 001 | <b>308-80</b> | Ø78  | Galvanized | 200         | 10       | 5.46    |



# 308 W



Wheel with Y-rounded groove  
Galet avec gorge Y arrondie  
Schiebetorrolle mit Y-Rille  
abgerundeter führung

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11504020 001 | <b>309-80</b>  | Ø78  | Galvanized | 380         | 10       | 8.10    |
| 11504040 001 | <b>309-100</b> | Ø98  | Galvanized | 400         | 8        | 11.38   |
| 11504050 001 | <b>309-120</b> | Ø117 | Galvanized | 420         | 6        | 11.54   |
| 11504060 001 | <b>309-140</b> | Ø137 | Galvanized | 540         | 2        | 6.25    |



# 309 W



Wheel with Y-rounded groove  
Galet avec gorge Y arrondie  
Schiebetorrolle mit Y-Rille  
abgerundeter führung

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11504501 001 | <b>310-40</b>   | Ø40  | Galvanized | 50          | 50       | 5.05    |
| 11504505 001 | <b>310-50</b>   | Ø50  | Galvanized | 70          | 30       | 4.74    |
| 11504510 001 | <b>310-60</b>   | Ø60  | Galvanized | 100         | 12       | 4.09    |
| 11504515 001 | <b>310-70</b>   | Ø68  | Galvanized | 190         | 12       | 5.80    |
| 11504520 001 | <b>310-80</b>   | Ø78  | Galvanized | 200         | 10       | 6.40    |
| 11504525 001 | <b>310-80S</b>  | Ø78  | Galvanized | 200         | 10       | 6.55    |
| 11504530 001 | <b>310-90</b>   | Ø88  | Galvanized | 210         | 8        | 6.90    |
| 11504535 001 | <b>310-90S</b>  | Ø88  | Galvanized | 210         | 8        | 6.90    |
| 11504540 001 | <b>310-100</b>  | Ø98  | Galvanized | 220         | 8        | 8.65    |
| 11504545 001 | <b>310-100S</b> | Ø98  | Galvanized | 220         | 8        | 8.81    |
| 11504550 001 | <b>310-120</b>  | Ø117 | Galvanized | 240         | 6        | 10.36   |
| 11504560 001 | <b>310-140</b>  | Ø137 | Galvanized | 270         | 2        | 4.95    |
| 11504570 001 | <b>310-160</b>  | Ø157 | Galvanized | 290         | 2        | 6.55    |
| 11504580 001 | <b>310-200</b>  | Ø197 | Galvanized | 330         | 2        | 10.65   |



# 310 W



Wheel with half-rounded groove  
Galet avec gorge demi-ronde  
Schiebetorrolle mit Rundrille

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11505040 001 | <b>315-100</b> | Ø98  | Galvanized | 425         | 8        | 10.80   |
| 11505050 001 | <b>315-120</b> | Ø117 | Galvanized | 450         | 6        | 11.91   |
| 11505060 001 | <b>315-140</b> | Ø137 | Galvanized | 550         | 2        | 6.24    |
| 11505070 001 | <b>315-160</b> | Ø157 | Galvanized | 575         | 2        | 8.85    |
| 11505080 001 | <b>315-200</b> | Ø197 | Galvanized | 625         | 2        | 14.36   |



# 315 W



Wheel with half-rounded groove  
Galet avec gorge demi-ronde  
Schiebetorrolle mit Rundrille

## 320 W



1 BEARING

Grease gun wheel with V groove  
Galet à graisseur gorge V  
Schiebetorrolle V-Rille  
mit Schmiernippel



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11506040 001 | <b>320V-100</b> | Ø97  | Galvanized | 380         | 8        | 8.65    |
| 11506050 001 | <b>320V-120</b> | Ø117 | Galvanized | 400         | 6        | 13.30   |
| 11506070 001 | <b>320V-160</b> | Ø157 | Galvanized | 710         | 2        | 8.60    |
| 11506080 001 | <b>320V-200</b> | Ø197 | Galvanized | 750         | 2        | 13.75   |
| 11506090 001 | <b>320V-250</b> | Ø247 | Galvanized | 800         | 2        | 24.40   |

## 320 U



1 BEARING

Grease gun wheel with U groove  
Galet à graisseur gorge U  
Schiebetorrolle U-Rille  
mit Schmiernippel



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11505540 001 | <b>320U-100</b> | Ø97  | Galvanized | 380         | 8        | 8.65    |
| 11505550 001 | <b>320U-120</b> | Ø117 | Galvanized | 400         | 6        | 11.57   |
| 11505570 001 | <b>320U-160</b> | Ø157 | Galvanized | 710         | 2        | 7.87    |
| 11505580 001 | <b>320U-200</b> | Ø197 | Galvanized | 750         | 2        | 13.75   |
| 11505590 001 | <b>320U-250</b> | Ø247 | Galvanized | 800         | 2        | 24.40   |

## 320 Y



1 BEARING

Grease gun wheel with Y groove  
Galet à graisseur gorge Y  
Schiebetorrolle Y-Rille mit Schmiernippel



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11506240 001 | <b>320Y-100</b> | Ø97  | Galvanized | 380         | 8        | 8.65    |
| 11506250 001 | <b>320Y-120</b> | Ø117 | Galvanized | 400         | 6        | 11.57   |
| 11506270 001 | <b>320Y-160</b> | Ø157 | Galvanized | 710         | 2        | 7.83    |
| 11506280 001 | <b>320Y-200</b> | Ø197 | Galvanized | 750         | 2        | 13.75   |
| 11506290 001 | <b>320Y-250</b> | Ø247 | Galvanized | 800         | 2        | 24.40   |

## 322 W



2 BEARINGS

Grease gun wheel with V groove  
Galet à graisseur gorge V  
Schiebetorrolle V-Rille  
mit Schmiernippel



| Code         | Art.            | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|-------------|----------|---------|
| 11507040 001 | <b>322V-100</b> | C=44 Ø98  | Galvanized | 580         | 8        | 15.00   |
| 11507041 001 | <b>322V-100</b> | C=54 Ø98  | Galvanized | 580         | 8        | 15.00   |
| 11507050 001 | <b>322V-120</b> | C=44 Ø117 | Galvanized | 600         | 6        | 16.00   |
| 11507051 001 | <b>322V-120</b> | C=54 Ø117 | Galvanized | 600         | 6        | 16.33   |
| 11507070 001 | <b>322V-160</b> | C=44 Ø157 | Galvanized | 960         | 2        | 10.40   |
| 11507071 001 | <b>322V-160</b> | C=54 Ø157 | Galvanized | 960         | 2        | 10.60   |
| 11507072 001 | <b>322V-160</b> | C=74 Ø157 | Galvanized | 960         | 2        | 10.83   |
| 11507080 001 | <b>322V-200</b> | C=44 Ø197 | Galvanized | 1000        | 2        | 16.90   |
| 11507081 001 | <b>322V-200</b> | C=54 Ø197 | Galvanized | 1000        | 2        | 17.10   |
| 11507082 001 | <b>322V-200</b> | C=74 Ø197 | Galvanized | 1000        | 2        | 17.40   |
| 11507090 001 | <b>322V-250</b> | C=72 Ø247 | Galvanized | 1500        | 2        | 34.00   |

## 322 U



2 BEARINGS

Grease gun wheel with U groove  
Galet à graisseur gorge U  
Schiebetorrolle U-Rille  
mit Schmiernippel



| Code         | Art.            | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|-------------|----------|---------|
| 11506540 001 | <b>322U-100</b> | C=44 Ø98  | Galvanized | 580         | 8        | 13.74   |
| 11506541 001 | <b>322U-100</b> | C=54 Ø98  | Galvanized | 580         | 8        | 15.00   |
| 11506550 001 | <b>322U-120</b> | C=44 Ø117 | Galvanized | 600         | 6        | 16.10   |
| 11506551 001 | <b>322U-120</b> | C=54 Ø117 | Galvanized | 600         | 6        | 16.10   |
| 11506570 001 | <b>322U-160</b> | C=44 Ø157 | Galvanized | 960         | 2        | 10.40   |
| 11506571 001 | <b>322U-160</b> | C=54 Ø157 | Galvanized | 960         | 2        | 10.60   |
| 11506572 001 | <b>322U-160</b> | C=74 Ø157 | Galvanized | 960         | 2        | 10.90   |
| 11506580 001 | <b>322U-200</b> | C=44 Ø197 | Galvanized | 1000        | 2        | 16.05   |
| 11506581 001 | <b>322U-200</b> | C=54 Ø197 | Galvanized | 1000        | 2        | 17.10   |
| 11506582 001 | <b>322U-200</b> | C=74 Ø197 | Galvanized | 1000        | 2        | 16.40   |
| 11506590 001 | <b>322U-250</b> | C=72 Ø247 | Galvanized | 1500        | 2        | 34.00   |



| Code         | Art.            | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|-------------|----------|---------|
| 11507240 001 | <b>322Y-100</b> | C=44 Ø98  | Galvanized | 580         | 8        | 15.00   |
| 11507241 001 | <b>322Y-100</b> | C=54 Ø98  | Galvanized | 580         | 8        | 15.00   |
| 11507250 001 | <b>322Y-120</b> | C=44 Ø117 | Galvanized | 600         | 6        | 16.08   |
| 11507251 001 | <b>322Y-120</b> | C=54 Ø117 | Galvanized | 600         | 6        | 16.40   |
| 11507270 001 | <b>322Y-160</b> | C=44 Ø157 | Galvanized | 960         | 2        | 10.40   |
| 11507271 001 | <b>322Y-160</b> | C=54 Ø157 | Galvanized | 960         | 2        | 10.60   |
| 11507272 001 | <b>322Y-160</b> | C=74 Ø157 | Galvanized | 960         | 2        | 10.90   |
| 11507280 001 | <b>322Y-200</b> | C=44 Ø197 | Galvanized | 1000        | 2        | 16.90   |
| 11507281 001 | <b>322Y-200</b> | C=54 Ø197 | Galvanized | 1000        | 2        | 17.10   |
| 11507282 001 | <b>322Y-200</b> | C=74 Ø157 | Galvanized | 1000        | 2        | 17.40   |
| 11507290 001 | <b>322Y-250</b> | C=72 Ø247 | Galvanized | 1500        | 2        | 33.80   |



## 322 W



Grease gun wheel with Y groove  
Galet à graisseur gorge Y  
Schiebetorrolle Y-Rille mit Schmiernippel

| Code         | Art.           | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|-------------|----------|---------|
| 11507540 001 | <b>323-100</b> | C=34 Ø97  | Galvanized | 380         | 8        | 9.68    |
| 11507550 001 | <b>323-120</b> | C=44 Ø117 | Galvanized | 400         | 6        | 12.44   |
| 11507570 001 | <b>323-160</b> | C=44 Ø157 | Galvanized | 710         | 2        | 8.20    |
| 11507580 001 | <b>323-200</b> | C=44 Ø197 | Galvanized | 750         | 2        | 13.26   |
| 11507590 001 | <b>323-250</b> | C=54 Ø247 | Galvanized | 800         | 2        | 24.40   |



## 323 W



Grease gun wheel with half-rounded groove  
Galet à graisseur gorge demi-ronde  
Schiebetorrolle mit Rundrille und Schmiernippel

| Code         | Art.           | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|-------------|----------|---------|
| 11508040 001 | <b>324-100</b> | C=44 Ø98  | Galvanized | 580         | 8        | 13.85   |
| 11508041 001 | <b>324-100</b> | C=54 Ø98  | Galvanized | 580         | 8        | 13.80   |
| 11508050 001 | <b>324-120</b> | C=44 Ø117 | Galvanized | 600         | 6        | 16.10   |
| 11508051 001 | <b>324-120</b> | C=54 Ø117 | Galvanized | 600         | 6        | 15.60   |
| 11508070 001 | <b>324-160</b> | C=44 Ø157 | Galvanized | 960         | 2        | 10.13   |
| 11508071 001 | <b>324-160</b> | C=54 Ø157 | Galvanized | 960         | 2        | 10.60   |
| 11508072 001 | <b>324-160</b> | C=74 Ø157 | Galvanized | 960         | 2        | 10.90   |
| 11508080 001 | <b>324-200</b> | C=44 Ø197 | Galvanized | 1000        | 2        | 16.90   |
| 11508081 001 | <b>324-200</b> | C=54 Ø197 | Galvanized | 1000        | 2        | 16.65   |
| 11508082 001 | <b>324-200</b> | C=74 Ø197 | Galvanized | 1000        | 2        | 17.40   |
| 11508090 001 | <b>324-250</b> | C=72 Ø247 | Galvanized | 1500        | 2        | 34.00   |



## 324 W



Grease gun wheel with half-rounded groove  
Galet à graisseur avec gorge demi-ronde  
Schiebetorrolle mit Rundrille und Schmiernippel

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11509010 001 | <b>325V-60</b>  | Ø60  | Galvanized | 100         | 12       | 4.68    |
| 11509020 001 | <b>325V-80</b>  | Ø78  | Galvanized | 200         | 6        | 5.77    |
| 11509030 001 | <b>325V-90</b>  | Ø88  | Galvanized | 210         | 6        | 8.12    |
| 11509040 001 | <b>325V-100</b> | Ø98  | Galvanized | 220         | 6        | 9.50    |



## 325 W



Wheel with external support, V groove  
Galet avec support extérieur, gorge V  
Schiebetorrolle mit Außenstützplatte und V-Rille

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11508510 001 | <b>325U-60</b> | Ø60  | Galvanized | 100         | 12       | 4.68    |
| 11508520 001 | <b>325U-80</b> | Ø78  | Galvanized | 200         | 6        | 5.77    |



## 325 U



Wheel with external support, U groove  
Galet avec support extérieur, gorge U  
Schiebetorrolle mit Außenstützplatte und U-Rille

## 326 W



2 BEARINGS



Wheel with external support, V groove  
Galet avec support extérieur, gorge V  
Schiebetorrolle mit  
Außenstützplatte und V-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11509240 001 | <b>326V-100</b> | Ø98  | Galvanized | 400         | 6        | 11.14   |

## 326 □



2 BEARINGS



Wheel with external support, U groove  
Galet avec support extérieur, gorge U  
Schiebetorrolle mit  
Außenstützplatte und U-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11508740 001 | <b>326U-100</b> | Ø98  | Galvanized | 400         | 6        | 11.16   |

## 327 W



1 BEARING



Wheel with external support,  
half-rounded groove  
Galet avec support extérieur,  
gorge demi-ronde  
Schiebetorrolle mit Außenstützplatte  
und Rundrille

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11509510 001 | <b>327-60</b>  | Ø60  | Galvanized | 100         | 12       | 5.10    |
| 11509520 001 | <b>327-80</b>  | Ø78  | Galvanized | 200         | 6        | 5.56    |
| 11509525 001 | <b>327-80S</b> | Ø78  | Galvanized | 200         | 6        | 5.03    |

## 328 W



2 BEARINGS



Wheel with external support,  
half-rounded groove  
Galet avec support extérieur,  
gorge demi-ronde  
Schiebetorrolle mit Außenstützplatte  
und Rundrille

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11509740 001 | <b>328-100</b> | Ø98  | Galvanized | 400         | 6        | 10.55   |

## 330 W



1 BEARING



Wheel with external plate, V groove  
Galet avec platine extérieure, gorge V  
Schiebetorrolle mit  
Außenplatten und V-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11510510 001 | <b>330V-60</b>  | Ø60  | Galvanized | 100         | 12       | 4.04    |
| 11510515 001 | <b>330V-70</b>  | Ø68  | Galvanized | 170         | 6        | 3.36    |
| 11510520 001 | <b>330V-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.44    |
| 11510530 001 | <b>330V-90</b>  | Ø88  | Galvanized | 190         | 6        | 6.00    |
| 11510540 001 | <b>330V-100</b> | Ø98  | Galvanized | 200         | 6        | 7.85    |
| 11510550 001 | <b>330V-120</b> | Ø117 | Galvanized | 220         | 2        | 4.32    |
| 11510560 001 | <b>330V-140</b> | Ø137 | Galvanized | 240         | 2        | 6.05    |

## 330 □



1 BEARING



Wheel with external plate,  
U groove  
Galet avec platine extérieure, gorge U  
Schiebetorrolle mit  
Außenstützplatte und U-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11510010 001 | <b>330U-60</b>  | Ø60  | Galvanized | 100         | 12       | 3.97    |
| 11510015 001 | <b>330U-70</b>  | Ø68  | Galvanized | 170         | 6        | 3.36    |
| 11510020 001 | <b>330U-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.40    |
| 11510030 001 | <b>330U-90</b>  | Ø88  | Galvanized | 190         | 6        | 6.46    |
| 11510040 001 | <b>330U-100</b> | Ø98  | Galvanized | 200         | 6        | 7.87    |
| 11510050 001 | <b>330U-120</b> | Ø117 | Galvanized | 220         | 2        | 3.94    |
| 11510060 001 | <b>330U-140</b> | Ø137 | Galvanized | 240         | 2        | 6.05    |





| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11510710 001 | <b>330Y-60</b>  | Ø60  | Galvanized | 100         | 12       | 4.00    |
| 11510715 001 | <b>330Y-70</b>  | Ø68  | Galvanized | 170         | 6        | 3.26    |
| 11510720 001 | <b>330Y-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.33    |
| 11510730 001 | <b>330Y-90</b>  | Ø88  | Galvanized | 190         | 6        | 5.77    |
| 11510740 001 | <b>330Y-100</b> | Ø98  | Galvanized | 200         | 6        | 7.65    |
| 11510750 001 | <b>330Y-120</b> | Ø117 | Galvanized | 220         | 2        | 4.32    |
| 11510760 001 | <b>330Y-140</b> | Ø137 | Galvanized | 240         | 2        | 5.90    |



## 330 W



Wheel with external plate, Y groove  
Galet avec platine extérieure, gorge Y  
Schiebetorrolle mit Außenstützplatte und Y-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11511010 001 | <b>332-60</b>   | Ø60  | Galvanized | 100         | 12       | 4.00    |
| 11511015 001 | <b>332-70</b>   | Ø68  | Galvanized | 170         | 6        | 3.30    |
| 11511020 001 | <b>332-80</b>   | Ø78  | Galvanized | 180         | 6        | 4.05    |
| 11511025 001 | <b>332-80S</b>  | Ø78  | Galvanized | 180         | 6        | 4.09    |
| 11511030 001 | <b>332-90</b>   | Ø88  | Galvanized | 190         | 6        | 5.69    |
| 11511035 001 | <b>332-90S</b>  | Ø88  | Galvanized | 190         | 6        | 5.74    |
| 11511040 001 | <b>332-100</b>  | Ø98  | Galvanized | 200         | 6        | 7.38    |
| 11511045 001 | <b>332-100S</b> | Ø98  | Galvanized | 200         | 6        | 7.58    |
| 11511050 001 | <b>332-120</b>  | Ø117 | Galvanized | 220         | 2        | 4.00    |
| 11511060 001 | <b>332-140</b>  | Ø137 | Galvanized | 240         | 2        | 5.68    |



## 332 W



Wheel with external plate, half-rounded groove  
Galet avec platine extérieure, gorge demi-ronde  
Schiebetorrolle mit Außenstützplatte und Rundrille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11512040 001 | <b>333V-100</b> | Ø98  | Galvanized | 380         | 6        | 9.94    |
| 11512050 001 | <b>333V-120</b> | Ø117 | Galvanized | 400         | 2        | 4.91    |
| 11512060 001 | <b>333V-140</b> | Ø137 | Galvanized | 420         | 2        | 6.93    |



## 333 W



Wheel with external plate, V groove  
Galet avec platine extérieure, gorge V  
Schiebetorrolle mit Außenstützplatte und V-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11511540 001 | <b>333U-100</b> | Ø98  | Galvanized | 380         | 6        | 9.27    |
| 11511550 001 | <b>333U-120</b> | Ø117 | Galvanized | 400         | 2        | 4.64    |
| 11511560 001 | <b>333U-140</b> | Ø137 | Galvanized | 420         | 2        | 6.23    |



## 333 U



Wheel with external plate, U groove  
Galet avec platine extérieure, gorge U  
Schiebetorrolle mit Außenstützplatte und U-Rille

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11512240 001 | <b>333Y-100</b> | Ø98  | Galvanized | 380         | 6        | 9.73    |
| 11512250 001 | <b>333Y-120</b> | Ø117 | Galvanized | 400         | 2        | 4.80    |
| 11512260 001 | <b>333Y-140</b> | Ø137 | Galvanized | 420         | 2        | 6.84    |



## 333 Y



Wheel with external plate, Y groove  
Galet avec support extérieur, gorge Y  
Schiebetorrolle mit Außenstützplatte und Y-Rille

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11512540 001 | <b>334-100</b> | Ø98  | Galvanized | 380         | 6        | 9.24    |
| 11512550 001 | <b>334-120</b> | Ø117 | Galvanized | 400         | 2        | 4.62    |
| 11512560 001 | <b>334-140</b> | Ø137 | Galvanized | 420         | 2        | 6.57    |



## 334 W



Wheel with external plate, half-rounded groove  
Galet avec support extérieur, gorge demi-ronde  
Schiebetorrolle mit Außenstützplatte und Rundrille



## 335 W



Wheel with internal plate, V groove  
Galet avec platine interne, gorge V  
Schiebetorrolle mit  
Innenstützplatte und V-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11513520 001 | <b>335V-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.80    |
| 11513530 001 | <b>335V-90</b>  | Ø88  | Galvanized | 190         | 6        | 6.65    |
| 11513540 001 | <b>335V-100</b> | Ø98  | Galvanized | 200         | 6        | 8.06    |
| 11513550 001 | <b>335V-120</b> | Ø117 | Galvanized | 220         | 2        | 4.46    |
| 11513560 001 | <b>335V-140</b> | Ø137 | Galvanized | 240         | 2        | 6.14    |

## 335 □



Wheel with internal plate, U groove  
Galet avec platine interne, gorge U  
Schiebetorrolle mit  
Außenstützplatte und Rundrille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11513020 001 | <b>335U-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.84    |
| 11513030 001 | <b>335U-90</b>  | Ø88  | Galvanized | 190         | 6        | 6.70    |
| 11513040 001 | <b>335U-100</b> | Ø98  | Galvanized | 200         | 6        | 8.04    |
| 11513050 001 | <b>335U-120</b> | Ø117 | Galvanized | 220         | 2        | 4.11    |
| 11513060 001 | <b>335U-140</b> | Ø137 | Galvanized | 240         | 2        | 5.75    |

## 335 W



Wheel with internal plate, Y groove  
Galet avec platine interne, gorge Y  
Schiebetorrolle mit  
Außenstützplatte und Rundrille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11513720 001 | <b>335Y-80</b>  | Ø78  | Galvanized | 180         | 6        | 4.71    |
| 11513730 001 | <b>335Y-90</b>  | Ø88  | Galvanized | 190         | 6        | 6.47    |
| 11513740 001 | <b>335Y-100</b> | Ø98  | Galvanized | 200         | 6        | 7.79    |
| 11513750 001 | <b>335Y-120</b> | Ø117 | Galvanized | 220         | 2        | 4.29    |
| 11513760 001 | <b>335Y-140</b> | Ø137 | Galvanized | 240         | 2        | 6.02    |

## 336 W



Wheel with internal plate, V groove  
Galet avec platine interne, gorge V  
Schiebetorrolle mit  
innenstützplatte und V-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11514530 001 | <b>336V-90</b>  | Ø88  | Galvanized | 300         | 6        | 7.61    |
| 11514540 001 | <b>336V-100</b> | Ø98  | Galvanized | 380         | 6        | 9.19    |
| 11514550 001 | <b>336V-120</b> | Ø117 | Galvanized | 400         | 2        | 5.04    |
| 11514560 001 | <b>336V-140</b> | Ø137 | Galvanized | 420         | 2        | 6.95    |
| 11514570 001 | <b>336V-160</b> | Ø157 | Galvanized | 640         | 2        | 10.55   |
| 11514580 001 | <b>336V-200</b> | Ø197 | Galvanized | 700         | 2        | 16.77   |

## 336 □



Wheel with internal plate, U groove  
Galet avec platine interne, gorge U  
Schiebetorrolle mit  
Außenstützplatte und Rundrille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11514030 001 | <b>336U-90</b>  | Ø88  | Galvanized | 300         | 6        | 6.80    |
| 11514040 001 | <b>336U-100</b> | Ø98  | Galvanized | 380         | 6        | 8.14    |
| 11514050 001 | <b>336U-120</b> | Ø117 | Galvanized | 400         | 2        | 4.50    |
| 11514060 001 | <b>336U-140</b> | Ø137 | Galvanized | 420         | 2        | 6.30    |
| 11514070 001 | <b>336U-160</b> | Ø157 | Galvanized | 640         | 2        | 9.79    |
| 11514080 001 | <b>336U-200</b> | Ø197 | Galvanized | 700         | 2        | 16.77   |

## 336 W



Wheel with internal plate, Y groove  
Galet avec platine interne, gorge Y  
Schiebetorrolle mit  
innenstützplatte und Y-Rille



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11514730 001 | <b>336Y-90</b>  | Ø88  | Galvanized | 300         | 6        | 7.21    |
| 11514740 001 | <b>336Y-100</b> | Ø98  | Galvanized | 380         | 6        | 8.73    |
| 11514750 001 | <b>336Y-120</b> | Ø117 | Galvanized | 400         | 2        | 4.93    |
| 11514760 001 | <b>336Y-140</b> | Ø137 | Galvanized | 420         | 2        | 6.85    |
| 11514770 001 | <b>336Y-160</b> | Ø157 | Galvanized | 640         | 2        | 10.45   |
| 11514780 001 | <b>336Y-200</b> | Ø197 | Galvanized | 700         | 2        | 16.70   |



| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11515020 001 | <b>337-80</b>   | Ø78  | Galvanized | 180         | 6        | 4.40    |
| 11515025 001 | <b>337-80S</b>  | Ø78  | Galvanized | 180         | 6        | 4.53    |
| 11515030 001 | <b>337-90</b>   | Ø88  | Galvanized | 190         | 6        | 6.28    |
| 11515035 001 | <b>337-90S</b>  | Ø88  | Galvanized | 190         | 6        | 6.36    |
| 11515040 001 | <b>337-100</b>  | Ø98  | Galvanized | 200         | 6        | 7.60    |
| 11515045 001 | <b>337-100S</b> | Ø98  | Galvanized | 200         | 6        | 7.78    |
| 11515050 001 | <b>337-120</b>  | Ø117 | Galvanized | 220         | 2        | 4.15    |
| 11515056 001 | <b>337-120S</b> | Ø117 | Galvanized | 220         | 2        | 3,5     |
| 11515060 001 | <b>337-140</b>  | Ø137 | Galvanized | 240         | 2        | 5.79    |


 1 BEARING

## 337 W

Wheel with internal plate,  
half-rounded groove  
Galet avec platine interne, gorge demi-ronde  
Schiebetorrolle mit Rundrille  
und Innenstützplatte

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11515530 001 | <b>338-90</b>  | Ø88  | Galvanized | 300         | 6        | 7.16    |
| 11515540 001 | <b>338-100</b> | Ø98  | Galvanized | 380         | 6        | 8.66    |
| 11515550 001 | <b>338-120</b> | Ø117 | Galvanized | 400         | 2        | 4.73    |
| 11515560 001 | <b>338-140</b> | Ø137 | Galvanized | 420         | 2        | 6.65    |
| 11515570 001 | <b>338-160</b> | Ø157 | Galvanized | 640         | 2        | 10.11   |
| 11515580 001 | <b>338-200</b> | Ø197 | Galvanized | 700         | 2        | 16.30   |


 2 BEARINGS

## 338 W

Wheel with internal plate,  
half-rounded groove  
Galet avec platine interne, gorge demi-ronde  
Schiebetorrolle mit Rundrille  
und Innenstützplatte

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11515621 001 | <b>339V-120</b> | Ø117 | Galvanized | 1200        | 2        | 20.09   |
| 11515622 001 | <b>339V-160</b> | Ø157 | Galvanized | 1920        | 2        | 30.50   |


 2 BEARINGS

## 339 W

Grease gun twin wheels U groove  
Galets combinés avec graisseur, gorge U  
Verknüpfte Schiebetorrollen mit  
U-Rille und Schmiernippel

| Code         | Art.            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|------|------------|-------------|----------|---------|
| 11515611 001 | <b>339U-120</b> | Ø117 | Galvanized | 1200        | 2        | 20.14   |
| 11515612 001 | <b>339U-160</b> | Ø157 | Galvanized | 1920        | 2        | 29.90   |


 2 BEARINGS

## 339 W

Grease gun twin wheels U groove  
Galets combinés avec graisseur, gorge U  
Verknüpfte Schiebetorrollen mit  
U-Rille und Schmiernippel

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 11515641 001 | <b>339-120</b> | Ø117 | Galvanized | 1200        | 2        | 20.52   |
| 11515642 001 | <b>339-160</b> | Ø157 | Galvanized | 1920        | 2        | 30.44   |
| 19907301 001 | <b>339-250</b> | Ø247 | Galvanized | 3000        | 1        | 43.00   |


 2 BEARINGS

## 339 W

Grease gun twin wheels half-rounded groove  
Galets combinés avec graisseur,  
gorge demi-ronde  
Verknüpfte Schiebetorrollen mit  
Rundrille und Schmiernippel

| Code         | Art.           | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|-------------|----------|---------|
| 11516010 001 | <b>340-60</b>  | Ø6 rope | Galvanized | 100         | 12       | 2.28    |
| 11516020 001 | <b>340-80</b>  | Ø6 rope | Galvanized | 200         | 12       | 4.73    |
| 11516040 001 | <b>340-100</b> | Ø8 rope | Galvanized | 220         | 10       | 7.60    |
| 11516050 001 | <b>340-120</b> | Ø8 rope | Galvanized | 240         | 8        | 9.25    |


 1 BEARING

## 340 W

Wheel for rope, half-rounded  
groove and 1 bearing  
Galet pour corde, gorge demi-ronde  
et 1 roulement  
Rolle für seil, Rundrille und 1 Kugellager

| Code     | Art.           | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|---------|-----------|-------------|----------|---------|
| 11517020 | <b>342-80</b>  | Ø6 rope | Nylon     | 50          | 12       | 1.80    |
| 11517030 | <b>342-90</b>  | Ø6 rope | Nylon     | 60          | 10       | 1.80    |
| 11517040 | <b>342-100</b> | Ø5 rope | Nylon     | 70          | 10       | 1.87    |

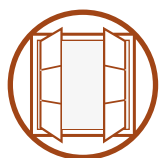

 1 BEARING

## 342 W

Nylon wheel for rope, half-rounded  
groove and 1 bearing  
Galet pour corde en nylon, gorge  
demi-ronde et 1 roulement  
Nylon-rolle für seil, Rundrille und 1 Kugellager



Life  
made  
easy



# Hinges for metal frames

 **COMUNELLOGATE**



## 400

Turned ball bearing  
Roulement à billes tourné et scellé  
Axial kugellager



| Code         | Art.            | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------|------------|-------------|----------|---------|
| 12400503 001 | <b>400-9</b>    | Ø15   | Galvanized |             | 100      | 0.40    |
| 12400504 001 | <b>400-10</b>   | Ø17,5 | Galvanized |             | 100      | 0.60    |
| 12400505 001 | <b>400-11</b>   | Ø19   | Galvanized |             | 100      | 0.80    |
| 12400510 001 | <b>400-12</b>   | Ø20   | Galvanized |             | 100      | 0.90    |
| 12400515 001 | <b>400-14</b>   | Ø22   | Galvanized |             | 100      | 1.00    |
| 12400520 001 | <b>400-16,5</b> | Ø27   | Galvanized |             | 100      | 1.50    |
| 12400525 001 | <b>400-20</b>   | Ø32   | Galvanized |             | 100      | 4.20    |

## 401S

Galvanized and sintered steel washer  
Rondelle en acier zingué et fritté  
Gesinterter Stahlzwischenring



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 15400712 001 | <b>401S-12</b> | Ø20  | Galvanized |             | 50       | 0.45    |
| 15400714 001 | <b>401S-14</b> | Ø22  | Galvanized |             | 50       | 0.55    |
| 15400720 001 | <b>401S-20</b> | Ø28  | Galvanized |             | 50       | 0.75    |

## 401Z

Galvanized and sintered steel washer  
Rondelle en acier zingué  
Gesinterter Stahlzwischenring



| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 15400506 001 | <b>401Z-6</b>  | Ø9   | Galvanized |             | 200      | 0.20    |
| 15400508 001 | <b>401Z-8</b>  | Ø12  | Galvanized |             | 200      | 0.20    |
| 15400509 001 | <b>401Z-9</b>  | Ø13  | Galvanized |             | 200      | 0.20    |
| 15400510 001 | <b>401Z-10</b> | Ø15  | Galvanized |             | 200      | 0.40    |
| 15400511 001 | <b>401Z-11</b> | Ø15  | Galvanized |             | 200      | 0.40    |
| 15400512 001 | <b>401Z-12</b> | Ø18  | Galvanized |             | 200      | 0.60    |
| 15400514 001 | <b>401Z-14</b> | Ø19  | Galvanized |             | 200      | 0.60    |

## 402

Galvanized pin

Hinge with 2 wings and extractable pivot  
Paumelle avec 2 ailes et pivot à déboîter  
Anschweißband 2-teilig mit losem Zapfen



| Code     | Art.           | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------|-----------|-------------|----------|---------|
| 11604006 | <b>402-60</b>  | L=60 Ø5,7   | Raw       | 50          | 40       | 1.52    |
| 11604008 | <b>402-80</b>  | L=83 Ø7,7   | Raw       | 75          | 50       | 3.95    |
| 11604010 | <b>402-100</b> | L=104 Ø8,7  | Raw       | 100         | 50       | 5.70    |
| 11604012 | <b>402-120</b> | L=122 Ø9,8  | Raw       | 150         | 40       | 7.24    |
| 11604014 | <b>402-140</b> | L=144 Ø10,7 | Raw       | 200         | 40       | 9.44    |

Capacity per couple hinges, L/H=1

## 402Z

Hinge with 2 wings and extractable pivot  
Paumelle avec 2 ailes et pivot à déboîter  
Anschweißband 2-teilig mit losem Zapfen



| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 11604006 001 | <b>402Z-60</b>  | L=60 Ø5,7   | Galvanized | 50          | 40       | 1.60    |
| 11604008 001 | <b>402Z-80</b>  | L=83 Ø7,7   | Galvanized | 75          | 50       | 3.95    |
| 11604010 001 | <b>402Z-100</b> | L=104 Ø8,7  | Galvanized | 100         | 50       | 5.70    |
| 11604012 001 | <b>402Z-120</b> | L=122 Ø9,8  | Galvanized | 150         | 40       | 7.24    |
| 11604014 001 | <b>402Z-140</b> | L=144 Ø10,7 | Galvanized | 200         | 40       | 9.44    |

Capacity per couple hinges, L/H=1

## 405

Galvanized pin

Heavy hinge with 2 wings and extractable pivot  
Paumelle lourde avec 2 ailes et pivot à déboîter  
Anschweißband 2-teilig schwere Ausführung mit losem Zapfen



| Code     | Art.           | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------|-----------|-------------|----------|---------|
| 11604514 | <b>405-140</b> | L=145 Ø11,7 | Raw       | 250         | 20       | 5.80    |
| 11604517 | <b>405-170</b> | L=174 Ø11,7 | Raw       | 250         | 20       | 6.98    |
| 11604520 | <b>405-200</b> | L=205 Ø13,6 | Raw       | 300         | 14       | 7.24    |

Capacity per couple hinges, L/H=1



| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 11604514 001 | <b>405Z-140</b> | L=145 Ø11,7 | Galvanized | 250         | 20       | 5.80    |
| 11604517 001 | <b>405Z-170</b> | L=174 Ø11,7 | Galvanized | 250         | 20       | 6.98    |
| 11604520 001 | <b>405Z-200</b> | L=205 Ø13,6 | Galvanized | 300         | 14       | 7.24    |

Capacity per couple hinges, L/H=1



## 405Z

Heavy hinge with 2 wings  
and extractable pivot  
Paumelle lourde avec 2  
ailes et pivot à déboîter  
Anschweißband 2-teilig schwere  
Ausführung mit losem Zapfen

| Code     | Art.           | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------|-----------|-------------|----------|---------|
| 11605008 | <b>410-80</b>  | L=83 Ø7,7   | Raw       | 75          | 50       | 3.90    |
| 11605010 | <b>410-100</b> | L=104 Ø8,7  | Raw       | 100         | 50       | 5.65    |
| 11605012 | <b>410-120</b> | L=122 Ø9,8  | Raw       | 150         | 40       | 7.20    |
| 11605014 | <b>410-140</b> | L=144 Ø10,7 | Raw       | 200         | 40       | 9.52    |

Capacity per couple hinges, L/H=1



## 410

Galvanized pin

Hinge with 3 wings and  
extractable pivot  
Paumelle avec 3 ailes et  
pivot à déboîter  
Anschweißband 3- teilig  
mit losem Zapfen

| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 11605008 001 | <b>410Z-80</b>  | L=83 Ø7,7   | Galvanized | 75          | 50       | 3.90    |
| 11605010 001 | <b>410Z-100</b> | L=104 Ø8,7  | Galvanized | 100         | 50       | 5.75    |
| 11605012 001 | <b>410Z-120</b> | L=122 Ø9,8  | Galvanized | 150         | 40       | 7.28    |
| 11605014 001 | <b>410Z-140</b> | L=144 Ø10,7 | Galvanized | 200         | 40       | 9.56    |

Capacity per couple hinges, L/H=1



## 410Z

Hinge with 3 wings and  
extractable pivot  
Paumelle avec 3 ailes et  
pivot à déboîter  
Anschweißband 3- teilig  
mit losem Zapfen

| Code     | Art.           | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------|-----------|-------------|----------|---------|
| 11607514 | <b>411-170</b> | L=171 | Raw       | 400         | 10       | 6.95    |

Capacity per couple hinges, L/H=1



## 411 Tris

Stainless steel pin

Antitheft 3 wings hinge with  
s/s pivot and plugs  
Paumelle antivol à 3 ailes avec  
pivot et bouchons en inox  
Einbruchssicheres Anschweißband  
3-teilig mit Zapfen und  
Pfropfen aus Edelstahl

| Code     | Art.           | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------|-----------|-------------|----------|---------|
| 11605514 | <b>415-140</b> | L=145 Ø11,7 | Raw       | 250         | 20       | 5.90    |
| 11605517 | <b>415-170</b> | L=174 Ø11,7 | Raw       | 250         | 20       | 7.00    |
| 11605520 | <b>415-200</b> | L=205 Ø13,6 | Raw       | 300         | 16       | 8.21    |

Capacity per couple hinges, L/H=1



## 415

Galvanized pin

Heavy hinge with 3 wings  
and extractable pivot  
Paumelle lourde avec 3  
ailes et pivot à déboîter  
Anschweißband 3-teilig schwere  
Ausführung mit losem Zapfen

| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 11605514 001 | <b>415Z-140</b> | L=145 Ø11,7 | Galvanized | 250         | 20       | 9.90    |
| 11605517 001 | <b>415Z-170</b> | L=174 Ø11,7 | Galvanized | 250         | 20       | 7.00    |
| 11605520 001 | <b>415Z-200</b> | L=205 Ø13,6 | Galvanized | 300         | 16       | 8.21    |

Capacity per couple hinges, L/H=1



## 415Z

Heavy hinge with 3 wings  
and extractable pivot  
Paumelle lourde avec 3  
ailes et pivot à déboîter  
Anschweißband 3-teilig schwere  
Ausführung mit losem Zapfen



## 420

Plug welded hinge with 2 wings  
Paumelle à 2 ailes avec bouchon soudé  
Anschweißband 2-teilig mit  
Anschweißpfropfen



| Code         | Art.           | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|-------------|------------|-------------|----------|---------|
| 11606006     | <b>420-60</b>  | L=64 Ø5,8   | Raw        | 50          | 40       | 1.32    |
| 11606006 001 | <b>420-60</b>  | L=64 Ø5,8   | Galvanized | 50          | 40       | 1.32    |
| 11606008     | <b>420-80</b>  | L=89,5 Ø7,8 | Raw        | 75          | 50       | 3.15    |
| 11606008 001 | <b>420-80</b>  | L=89,5 Ø7,8 | Galvanized | 75          | 50       | 3.15    |
| 11606010     | <b>420-100</b> | L=110 Ø8,7  | Raw        | 100         | 50       | 4.40    |
| 11606010 001 | <b>420-100</b> | L=110 Ø8,7  | Galvanized | 100         | 50       | 4.40    |
| 11606012     | <b>420-120</b> | L=130 Ø9,8  | Raw        | 150         | 50       | 7.00    |
| 11606012 001 | <b>420-120</b> | L=130 Ø9,8  | Galvanized | 150         | 50       | 7.00    |
| 11606014     | <b>420-140</b> | L=152 Ø10,8 | Raw        | 200         | 50       | 8.95    |
| 11606014 001 | <b>420-140</b> | L=152 Ø10,8 | Galvanized | 200         | 50       | 8.95    |

Capacity per couple hinges, L/H=1

## 425

Heavy plug welded hinge with 2 wings  
Paumelle lourde à 2 ailes  
avec bouchon soudé  
Anschweißband 2-teilig schwere  
Ausführung mit Pfropfen



| Code         | Art.           | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|---------------|------------|-------------|----------|---------|
| 11606514     | <b>425-140</b> | L=154 Ø11,8   | Raw        | 250         | 20       | 4.48    |
| 11606514 001 | <b>425-140</b> | L=154 Ø11,8   | Galvanized | 250         | 20       | 4.48    |
| 11606517     | <b>425-170</b> | L=184,5 Ø11,8 | Raw        | 250         | 20       | 5.22    |
| 11606517 001 | <b>425-170</b> | L=184,5 Ø11,8 | Galvanized | 250         | 20       | 5.22    |
| 11606520     | <b>425-200</b> | L=217,5 Ø13,8 | Raw        | 300         | 20       | 7.60    |

Capacity per couple hinges, L/H=1

## 425PS

Heavy hinge with 2 wings and  
disassembled galvanised pivot and plugs  
Paumelle lourde à 2 ailes avec pivot  
et bouchons zingués et démontés  
Anschweißband 2-teilig schwere  
Ausführung mit verzinkter  
ausgebauter Zapfen und Pfropfen



| Code     | Art.             | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|---------------|-----------|-------------|----------|---------|
| 11606612 | <b>425PS-120</b> | L=139 Ø11,9   | Raw       | 150         | 50       | 13.10   |
| 11606614 | <b>425PS-140</b> | L=154 Ø11,9   | Raw       | 250         | 50       | 13.45   |
| 11606617 | <b>425PS-170</b> | L=184,5 Ø11,9 | Raw       | 250         | 50       | 13.50   |

Capacity per couple hinges, L/H=1

## 430DX

Plug welded hinge with 2 long wings  
Paumelle à bouchon soudé  
avec 2 ailes longues  
Anschweißband 2-teilig mit  
Anschweißpfropfen



| Code         | Art.             | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-------------|------------|-------------|----------|---------|
| 11607006     | <b>430DX-60</b>  | L=70 Ø8,3   | Raw        | 100         | 20       | 3.30    |
| 11607006 001 | <b>430DX-60</b>  | L=70 Ø8,3   | Galvanized | 100         | 20       | 3.30    |
| 11607008     | <b>430DX-80</b>  | L=92 Ø9     | Raw        | 100         | 20       | 3.14    |
| 11607008 001 | <b>430DX-80</b>  | L=92 Ø9     | Galvanized | 100         | 20       | 3.14    |
| 11607010     | <b>430DX-100</b> | L=112 Ø9,8  | Raw        | 150         | 20       | 4.04    |
| 11607010 001 | <b>430DX-100</b> | L=112 Ø9,8  | Galvanized | 150         | 20       | 4.04    |
| 11607012     | <b>430DX-120</b> | L=132 Ø11,3 | Raw        | 250         | 20       | 5.28    |
| 11607012 001 | <b>430DX-120</b> | L=132 Ø11,3 | Galvanized | 250         | 20       | 5.28    |
| 11607014     | <b>430DX-140</b> | L=156 Ø11,8 | Raw        | 250         | 10       | 3.95    |
| 11607014 001 | <b>430DX-140</b> | L=156 Ø11,8 | Galvanized | 250         | 10       | 3.95    |
| 11607017     | <b>430DX-170</b> | L=190 Ø13   | Raw        | 300         | 10       | 6.16    |
| 11607017 001 | <b>430DX-170</b> | L=190 Ø13   | Galvanized | 300         | 10       | 6.16    |
| 11607020     | <b>430DX-200</b> | L=216 Ø13,9 | Raw        | 350         | 10       | 8.40    |

Capacity per couple hinges, L/H=1

## 430SX

Plug welded hinge with 2 long wings  
Paumelle à bouchon soudé  
avec 2 ailes longues  
Anschweißband 2-teilig mit  
Anschweißpfropfen



| Code         | Art.             | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-------------|------------|-------------|----------|---------|
| 11607106     | <b>430SX-60</b>  | L=70 Ø8,3   | Raw        | 100         | 20       | 3.30    |
| 11607106 001 | <b>430SX-60</b>  | L=70 Ø8,3   | Galvanized | 100         | 20       | 3.30    |
| 11607108     | <b>430SX-80</b>  | L=92 Ø9     | Raw        | 100         | 20       | 3.14    |
| 11607108 001 | <b>430SX-80</b>  | L=92 Ø9     | Galvanized | 100         | 20       | 3.14    |
| 11607110     | <b>430SX-100</b> | L=112 Ø9,8  | Raw        | 150         | 20       | 4.04    |
| 11607110 001 | <b>430SX-100</b> | L=112 Ø9,8  | Galvanized | 150         | 20       | 4.04    |
| 11607112     | <b>430SX-120</b> | L=132 Ø11,3 | Raw        | 250         | 20       | 5.28    |
| 11607112 001 | <b>430SX-120</b> | L=132 Ø11,3 | Galvanized | 250         | 20       | 5.28    |
| 11607114     | <b>430SX-140</b> | L=156 Ø11,8 | Raw        | 250         | 10       | 3.95    |
| 11607114 001 | <b>430SX-140</b> | L=156 Ø11,8 | Galvanized | 250         | 10       | 3.95    |
| 11607117     | <b>430SX-170</b> | L=190 Ø13   | Raw        | 300         | 10       | 6.05    |
| 11607117 001 | <b>430SX-170</b> | L=190 Ø13   | Galvanized | 300         | 10       | 6.05    |
| 11607120     | <b>430SX-200</b> | L=216 Ø13,9 | Raw        | 350         | 10       | 8.40    |

Capacity per couple hinges, L/H=1



| Code     | Art.              | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------------|-----------|-----------|-------------|----------|---------|
| 11607308 | <b>431-80</b>     | L=82 Ø8   | Raw       | 100         | 50       | 4.60    |
| 11607338 | <b>431-80 Sp3</b> | L=78 Ø8   | Raw       | 100         | 50       | 6.20    |
| 11607310 | <b>431-100</b>    | L=98 Ø10  | Raw       | 150         | 50       | 9.20    |
| 11607311 | <b>431-110</b>    | L=107 Ø10 | Raw       | 150         | 40       | 10.76   |
| 11607312 | <b>431-120</b>    | L=119 Ø12 | Raw       | 250         | 30       | 10.86   |

Capacity per couple hinges, L/H=1



## 431

Flat hinge with 2 wings  
and extractable pivot  
Paumelle plate à 2 ailes  
avec pivot à déboîter  
Flachband 2-teilig mit lösem Zapfen

| Code     | Art.             | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------------|-----------|-------------|----------|---------|
| 11698010 | <b>435-30X30</b> | L=66 30X30 | Raw       | 250         | 4        | 1.80    |
| 11697010 | <b>435-40X30</b> | L=66 40X30 | Raw       | 250         | 4        | 2.50    |

Capacity per couple hinges, L/H=1



## 435

Heavy duty side hinges  
for security grilles  
Paumelle latérale pour les  
balustrades double jonction  
Seitlicher Anschweißband für  
Sicherheitsgeländer mit Doppelgelenk

| Code     | Art.             | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------------|-----------|-------------|----------|---------|
| 11698020 | <b>436-30X30</b> | L=56 30X30 | Raw       | 250         | 4        | 1.90    |
| 11697020 | <b>436-40X30</b> | L=56 40X30 | Raw       | 250         | 4        | 2.60    |

Capacity per couple hinges, L/H=1



## 436

Heavy duty central hinges for  
security grilles with locking pin  
Paumelle centrale pour les  
balustrades double jonction  
avec goupille de verrouillage  
Seitlicher Anschweißband für  
Sicherheitsgeländer mit Doppelgelenk

| Code     | Art.             | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------------|-----------|-------------|----------|---------|
| 11698030 | <b>437-30X30</b> | L=56 30X30 | Raw       | 250         | 4        | 1.70    |
| 11697030 | <b>437-40X30</b> | L=56 40X30 | Raw       | 250         | 4        | 2.40    |

Capacity per couple hinges, L/H=1



## 437

Heavy duty centre hinges for security  
grilles with double junction  
Paumelle centrale pour les  
balustrades double jonction  
Seitlicher Anschweißband für  
Sicherheitsgeländer mit Doppelgelenk

| Code     | Art.          | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|----------|-----------|-------------|----------|---------|
| 11607509 | <b>440-90</b> | L=98 Ø27 | Raw       | 800         | 10       | 5.35    |

Capacity per couple hinges, L/H=1



## 440

Galvanized pin

Big hinge 2 open wings  
extractable pivot with washer  
Paumelle grande 2 ailes ouvertes  
pivot à déboîter avec rondelle  
Winkelband mit 2 offenen Flügeln  
schwere Ausführung loser  
Zapfen mit Unterlegscheibe

| Code     | Art.          | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|----------|-----------|-------------|----------|---------|
| 11608009 | <b>445-90</b> | L=98 Ø27 | Raw       | 800         | 10       | 5.36    |

Capacity per couple hinges, L/H=1



## 445

Galvanized pin

Big hinge 2 open wings  
extractable pivot with bearing  
Paumelle grande 2 ailes ouvertes  
avec pivot à déboîter et roulement  
Winkelband 2-teilig schwere Ausführung  
loser Zapfen mit Kugellager

## 450 Galvanized pin

Big hinge 2 closed wings  
extractable pivot with washer  
Paumelle grande 2 ailes fermées  
pivot à déboiter avec rondelle  
Winkelband mit 2 geschlossenen  
Flügeln schwere Ausführung loser  
Zapfen mit Unterlegscheibe



| Code     | Art.   | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------|----------|-----------|-------------|----------|---------|
| 11608509 | 450-90 | L=98 Ø27 | Raw       | 400         | 10       | 5.77    |

Capacity per couple hinges, L/H=1

## 455 Galvanized pin

Big hinge 2 closed wings  
extractable pivot with bearing  
Paumelle grande 2 ailes fermées  
avec pivot à déboiter et roulement  
Flachband 2-teilig schwere Ausführung  
mit losem Zapfen und Kugellager



| Code     | Art.   | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------|----------|-----------|-------------|----------|---------|
| 11609009 | 455-90 | L=98 Ø27 | Raw       | 400         | 10       | 5.36    |

Capacity per couple hinges, L/H=1

## 456

Big hinge 2 open wings  
extractable pivot with washer  
Paumelle grande 2 ailes ouvertes  
avec pivot à déboiter et rondelle  
Winkelband 2-teilig schwere Ausführung  
mit losem Zapfen und Unterlegscheibe



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11609518 | 456-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.17    |

Capacity per couple hinges, L/H=1

## 457 Galvanized pin

Big hinge 2 open wings  
extractable pivot with bearing  
Paumelle grande 2 ailes ouvertes  
avec pivot à déboiter et roulement  
Winkelband 2-teilig schwere Ausführung  
mit losem Zapfen und Unterlegscheibe



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11610018 | 457-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.20    |

Capacity per couple hinges, L/H=1

## 458

Big hinge 2 closed wings  
extractable pivot with washera  
Paumelle grande 2 ailes fermées  
avec pivot à déboiter et rondelle  
Flachband 2-teilig schwere Ausführung  
mit losem Zapfen und Unterlegscheibe



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11610518 | 458-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.25    |

Capacity per couple hinges, L/H=1

## 459 Galvanized pin

Big hinge 2 long closed wings  
extractable pivot with bearing  
Paumelle grande 2 ailes grandes et  
fermées, pivot à déboiter avec roulement  
Winkelband mit 2 langen geschlossenen  
Flügeln schwere Ausführung mit  
losem Zapfen, Kugellager



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11611018 | 459-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.26    |

Capacity per couple hinges, L/H=1

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11611518 | <b>460-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.20    |

Capacity per couple hinges, L/H=1



Galvanized pin **460**

Big hinge 3 open wings with washer  
Paumelle grande 3 ailes ouvertes  
pivot à déboîter avec rondelle  
Winkelband 3-teilig schwere  
Ausführung mit Unterlegscheiben

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11612018 | <b>465-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.26    |

Capacity per couple hinges, L/H=1



Galvanized pin **465**

Big hinge 3 open wings  
extractable pivot with bearing  
Paumelle grande 3 ailes ouvertes  
pivot à déboîter avec roulement  
Winkelband mit 3 offenen  
Flügeln schwere Ausführung mit  
losem Zapfen, Kugellager

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11612518 | <b>470-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.25    |

Capacity per couple hinges, L/H=1



Galvanized pin **470**

Big hinge 3 closed wings  
extractable pivot with washer  
Paumelle grande 3 ailes fermées  
avec pivot à déboîter et rondelle  
Flachband 3-teilig schwere Ausführung  
mit lose Zapfen und Unterlegscheibe

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11613018 | <b>475-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.25    |

Capacity per couple hinges, L/H=1



Galvanized pin **475**

Big hinge 3 closed wings  
extractable pivot and bearing  
Paumelle grande 3 ailes fermées  
pivot à déboîter avec roulement  
Winkelband mit 3 geschlossenen  
Flügeln schwere Ausführung mit  
losem Zapfen, Kugellager

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11613518 | <b>480-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.10    |

Capacity per couple hinges, L/H=1



Galvanized pin **480**

Big hinge 4 open wings  
extractable pivot with washer  
Paumelle grande 4 ailes ouvertes  
avec pivot à déboîter et rondelle  
Winkelband 4-teilig schwere  
Ausführung mit lose Zapfen  
und Unterlegscheibe

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11614018 | <b>482-180</b> | L=186 Ø27 | Raw       | 800         | 4        | 4.20    |

Capacity per couple hinges, L/H=1



Galvanized pin **482**

Big hinge 4 open wings  
extractable pivot with bearing  
Paumelle grande 4 ailes ouvertes  
pivot à déboîter avec roulement  
Winkelband 4-teilig schwere  
Ausführung mit lose Zapfen,  
Kugellager

## 485

Galvanized pin



Big hinge 4 closed wings  
extractable pivot with washers  
Paumelle grande 4 ailes fermées  
avec pivot à déboîter et rondelles  
Flachband 4-teilig schwere Ausführung  
mit losem Zapfen und Unterlegscheiben

| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11614518 | 485-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.10    |

Capacity per couple hinges, L/H=1

## 487

Galvanized pin



Big hinge 4 closed wings  
extractable pivot with bearing  
Paumelle grande 4 ailes fermées  
pivot à déboîter avec roulement  
Winkelband mit 4 geschlossenen  
Flügeln schwere Ausführung mit  
losem Zapfen und Kugellager

| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11615018 | 487-180 | L=186 Ø27 | Raw       | 800         | 4        | 4.25    |

Capacity per couple hinges, L/H=1

## 490

Drop hinge with steel pivot  
Paumelle à goutte avec pivot en acier  
Bandrolle mit Zapfen aus Stahl



| Code     | Art.     | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|----------|-----------|-------------|----------|---------|
| 11615710 | 490T-100 | L=98 Ø8  | Raw       | 150         | 40       | 4.28    |
| 11615712 | 490T-120 | L=118 Ø9 | Raw       | 200         | 40       | 3.72    |
| 11647012 | 490-120  | L=118 Ø9 | Raw       | 200         | 40       | 6.56    |
| 11647014 | 490-140  | L=139 Ø9 | Raw       | 300         | 40       | 8.00    |

Capacity per couple hinges, L/H=1

## 492

Drop hinge with brass-  
covered, steel pivot  
Paumelle à goutte avec pivot  
en acier revêtu de laiton  
Bandrolle mit Messing  
beschichtetem Zapfen aus Stahl



| Code     | Art.     | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|----------|-----------|-------------|----------|---------|
| 11616210 | 492T-100 | L=98 Ø8  | Raw       | 100         | 40       | 4.32    |
| 11647112 | 492-120  | L=118 Ø9 | Raw       | 125         | 40       | 7.04    |
| 11616212 | 492T-120 | L=118 Ø9 | Raw       | 125         | 40       | 7.92    |
| 11647114 | 492-140  | L=139 Ø9 | Raw       | 180         | 40       | 8.08    |
| 11616214 | 492T-140 | L=139 Ø9 | Raw       | 180         | 40       | 9.32    |

Capacity per couple hinges, L/H=1

## 494

Drop Hinge With Steel Pivot And Washer  
Paumelle à goutte avec pivot  
en acier avec rondelle  
Bandrolle mit Zapfen aus Stahl  
mit Unterlegsscheibe



| Code     | Art.     | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|-----------|-----------|-------------|----------|---------|
| 11647210 | 494-100  | L=100 Ø12 | Raw       | 150         | 16       | 3.92    |
| 11616610 | 494T-100 | L=100 Ø12 | Raw       | 150         | 16       | 4.11    |
| 11647215 | 494-150  | L=150 Ø12 | Raw       | 250         | 16       | 5.42    |

Capacity per couple hinges, L/H=1

## 495

Drop Hinge With Steel Pivot And Bearing  
Paumelle à goutte avec pivot  
en acier avec roulement  
Bandrolle mit Zapfen aus  
Stahl mit Kugellager



| Code     | Art.         | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------|-------------|----------|---------|
| 11647310 | 495-100      | L=100 Ø12 | Raw       | 150         | 16       | 3.52    |
| 11615910 | 495T-100     | L=100 Ø12 | Raw       | 150         | 16       | 4.16    |
| 11647315 | 495-150      | L=150 Ø12 | Raw       | 250         | 16       | 5.12    |
| 11615915 | 495T-150     | L=150 Ø12 | Raw       | 250         | 16       | 6.18    |
| 19912001 | SP-495PS-100 | Ledge 20  | Raw       | 150         | 10       | 2.54    |
| 19912005 | SP-495PS-150 | Ledge 20  | Raw       | 250         | 10       | 3.95    |

Capacity per couple hinges, L/H=1



| Code     | Art.            | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-----------|-----------|-------------|----------|---------|
| 11647410 | <b>496-100</b>  | L=100 Ø12 | Raw       | 150         | 16       | 3.92    |
| 11617610 | <b>496T-100</b> | L=100 Ø12 | Raw       | 150         | 16       | 4.21    |
| 11647415 | <b>496-150</b>  | L=150 Ø12 | Raw       | 250         | 16       | 5.63    |
| 11617615 | <b>496T-150</b> | L=150 Ø12 | Raw       | 250         | 16       | 6.40    |

Capacity per couple hinges, L/H=1



# 496

Drop Hinge With Brass-Covered,  
Steel/pivot And Washer  
Paumelle à goutte avec pivot  
revêtu de laiton avec rondelle  
Bandrolle mit Messing beschichtetem  
Zapfen mit Unterlegscheibe

| Code         | Art.             | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-----------|------------|-------------|----------|---------|
| 11648010     | <b>497-100</b>   | L=100 Ø12 | Raw        | 150         | 16       | 4.24    |
| 11615810     | <b>497T-100</b>  | L=100 Ø12 | Raw        | 150         | 10       | 2.60    |
| 11615810 001 | <b>497T-100</b>  | L=100 Ø12 | Galvanized | 150         | 10       | 2.60    |
| 11648015     | <b>497-150</b>   | L=150 Ø12 | Raw        | 250         | 16       | 5.78    |
| 11615815     | <b>497T-150</b>  | L=150 Ø12 | Raw        | 250         | 16       | 6.32    |
| 11648010 001 | <b>497Z-100</b>  | L=150 Ø12 | Galvanized | 250         | 16       | 4.24    |
| 11648015 001 | <b>497Z-150</b>  | L=150 Ø12 | Galvanized | 250         | 16       | 5.76    |
| 19912240     | <b>497PS-100</b> | L=100 Ø12 | Raw        | 150         | 16       | 4.24    |
| 19912245     | <b>497PS-150</b> | L=150 Ø12 | Raw        | 250         | 16       | 5.78    |

Capacity per couple hinges, L/H=1



# 497

Drop hinge with brass pivot and bearing  
Paumelle à goutte avec pivot  
en laiton avec rondelle  
Bandrolle mit Zapfen aus  
Messing mit Kugellager

| Code         | Art.            | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|-------------|----------|---------|
| 11648110     | <b>498-100</b>  | L=100 Ø12 | Raw        | 150         | 16       | 4.16    |
| 11616710     | <b>498T-100</b> | L=100 Ø12 | Raw        | 150         | 16       | 4.19    |
| 11648115     | <b>498-150</b>  | L=150 Ø12 | Raw        | 250         | 16       | 5.65    |
| 11616715 001 | <b>498T-150</b> | L=150 Ø12 | Galvanized | 250         | 16       | 6.30    |
| 11648110 001 | <b>498Z-100</b> | L=100 Ø12 | Galvanized | 150         | 16       | 4.16    |
| 11648115 001 | <b>498Z-150</b> | L=150 Ø12 | Galvanized | 250         | 16       | 5.65    |

Capacity per couple hinges, L/H=1



# PATENTED 498

Drop hinge with brass-covered,  
steel pivot and bearing  
Paumelle à goutte avec pivot en acier  
revêtu de laiton avec roulement  
Bandrolle mit Messing beschichtetem  
Zapfen aus Stahl mit Kugellager

| Code     | Art.           | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|---------------|-----------|-------------|----------|---------|
| 11618515 | <b>500-150</b> | L=146-163 Ø14 | Raw       | 300         | 10       | 3.80    |

Capacity per couple hinges, L/H=1



# 500

Turned drop hinge, 7mm  
adjustable, with steel pivot  
Paumelle à goutte tournée, réglable  
7mm, avec pivot en acier  
Formgepresstes und 7 mm-  
verstellbares Tropfenband  
mit Zapfen aus Stahl

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11619015 | <b>505-150</b> | L=145 Ø14 | Raw       | 600         | 10       | 7.06    |

Capacity per couple hinges, L/H=1



# 505

Big hinge long wing steel  
pivot with washer  
Paumelle grande aile longue réversible  
pivot en acier avec rondelle  
Scharnier mit langem Flügel,  
Kugellager und Zapfen aus Stahl

| Code         | Art.            | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|-------------|----------|---------|
| 11619515     | <b>510-150</b>  | L=145 Ø14 | Raw        | 600         | 10       | 7.05    |
| 11619515 001 | <b>510Z-150</b> | L=145 Ø14 | Galvanized | 600         | 10       | 7.05    |

Capacity per couple hinges, L/H=1



# 510

Big hinge long wing steel  
pivot with bearing  
Paumelle grande aile longue réversible  
pivot en acier avec roulement  
Scharnier mit langem Flügel,  
Kugellager und Zapfen aus Stahl



## 515

Hinge, 7mm adjustable, with long wing and steel pivot  
 Paumelle réglable 7mm, avec aile longue et pivot en acier  
 7 mm-verstellbares Scharnier mit langem Flügel und Zapfen aus Stahl



| Code     | Art.    | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|---------------|-----------|-------------|----------|---------|
| 11620015 | 515-150 | L=138-145 Ø14 | Raw       | 600         | 10       | 7.37    |

Capacity per couple hinges, L/H=1

## 520

Hinge with reversible long wing and brass pivot  
 Paumelle avec aile longue réversible et pivot en laiton  
 Umkehrbares Scharnier mit langem Flügel und Zapfen aus Messing



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11620515 | 520-150 | L=145 Ø14 | Raw       | 450         | 10       | 7.03    |

Capacity per couple hinges, L/H=1

## 525

Big hinge long and drop wing with bearing  
 Paumelle grande aile longue réversible avec roulement  
 Scharnier mit langem Flügel und Tropfenflügel, Zapfen aus Stahl und Kugellager



| Code     | Art.    | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|-----------|-----------|-------------|----------|---------|
| 11621015 | 525-150 | L=149 Ø14 | Raw       | 300         | 10       | 5.65    |

Capacity per couple hinges, L/H=1

## 530

Hinge with reversible long wing and brass pivot  
 Paumelle avec aile longue réversible et pivot en laiton  
 Umkehrbares Scharnier mit langem Flügel und Zapfen aus Messing



| Code     | Art.    | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|---------------|-----------|-------------|----------|---------|
| 11621515 | 530-150 | L=138-145 Ø14 | Raw       | 300         | 10       | 5.26    |

Capacity per couple hinges, L/H=1

## 540

Adjustable Hinge right or left for blast doors  
 Paumelle réglable pour portes blindées  
 Verstellbares Scharnier



| Code     | Art.  | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------|---------------|-----------|-------------|----------|---------|
| 11621615 | 540DX | L=146-154 Ø14 | Raw       | 350         | 10       | 6.80    |
| 11621605 | 540SX | L=146-154 Ø14 | Raw       | 350         | 10       | 6.80    |

Capacity per couple hinges, L/H=1

## 541

Adjustable Hinge to be fixed for blast doors  
 Paumelle réglable pour portes blindées  
 Verstellbares Scharnier



| Code     | Art.  | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------|---------------|-----------|-------------|----------|---------|
| 11621620 | 541DX | L=146-154 Ø14 | Raw       | 350         | 10       | 7.50    |
| 11621610 | 541SX | L=146-154 Ø14 | Raw       | 350         | 10       | 7.50    |

Capacity per couple hinges, L/H=1

| Code     | Art.          | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|---------------|-----------|-------------|----------|---------|
| 11621705 | <b>542-70</b> | L=152-159 Ø14 | Raw       | 350         | 10       | 6.90    |

Capacity per couple hinges, L/H=1



## 542-70

Adjustable Hinge right or left,  
to be fixed for blast doors  
Paumelle réglable réversible  
pour portes blindées  
Verstellbares Umkehrbares Scharnier

| Code     | Art.          | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|---------------|-----------|-------------|----------|---------|
| 11621710 | <b>543-70</b> | L=152-159 Ø14 | Raw       | 350         | 10       | 7.50    |

Capacity per couple hinges, L/H=1



## 543-70

Adjustable Hinge right or left,  
to be fixed for blast doors  
Paumelle réglable réversible  
pour portes blindées  
Verstellbares Umkehrbares Scharnier

| Code     | Art.          | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|---------------|-----------|-------------|----------|---------|
| 11621805 | <b>544-15</b> | L=146-154 Ø14 | Raw       | 350         | 10       | 6.10    |

Capacity per couple hinges, L/H=1



## 544

Adjustable Hinge right or  
left for blast doors  
Paumelle réglable pour portes blindées  
Verstellbares Scharnier

| Code     | Art.          | Size | Finishing    | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|--------------|-------------|----------|---------|
| 11601005 | <b>545-0</b>  | Ø20  | Brassed      |             | 20       | 0.08    |
| 11601010 | <b>545-C</b>  | Ø20  | Chromed      |             | 20       | 0.08    |
| 11601015 | <b>545-CS</b> | Ø20  | Satin chrome |             | 20       | 0.08    |



## 545

Cover for hinges 495-  
496-497-498 L 150  
Couverture pour paumelles  
495-496-497-498 L 150  
Abdeckung für scharnier 95-  
496-497-498 L 150

| Code     | Art.          | Size | Finishing    | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|--------------|-------------|----------|---------|
| 12100905 | <b>546-0</b>  | Ø22  | Brassed      |             | 20       | 0.08    |
| 12100910 | <b>546-C</b>  | Ø22  | Chromed      |             | 20       | 0.08    |
| 12100915 | <b>546-CS</b> | Ø22  | Satin chrome |             | 20       | 0.08    |



## 546

Cover for hinges 575-  
576-577-578 L 150  
Couverture pour paumelles  
575-576-577-578 L 150  
Abdeckung für scharnier 575-  
576-577-578 L 150

| Code     | Art.            | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|------|-----------|-------------|----------|---------|
| 12100950 | <b>547-DX-M</b> | Ø22  | Brown     |             | 20       | 0.13    |
| 12100960 | <b>547-SX-M</b> | Ø22  | Brown     |             | 20       | 0.13    |
| 12100955 | <b>547-DX-B</b> | Ø22  | White     |             | 20       | 0.13    |
| 12100965 | <b>547-SX-B</b> | Ø22  | White     |             | 20       | 0.13    |



## 547

Cover for hinges 540-541-542-543  
Couverture pour paumelles  
540-541-542-543  
Abdeckung für scharnier  
540-541-542-543

## 548

Cover for hinges 540-541-542-543  
Couverture pour paumelles  
540-541-542-5430  
Abdeckung für scharnier  
540-541-542-543



| Code     | Art.              | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------------|------|-----------|-------------|----------|---------|
| 12100970 | <b>548-27,5-M</b> | Ø22  | Brown     |             | 20       | 0.12    |
| 12100980 | <b>548-25,5-M</b> | Ø22  | Brown     |             | 20       | 0.12    |
| 12100975 | <b>548-27,5-B</b> | Ø22  | White     |             | 20       | 0.12    |
| 12100985 | <b>548-25,5-B</b> | Ø22  | White     |             | 20       | 0.12    |

## 550

Galvanized pin



Big hinge with 2 wings  
Grande paumelle avec 2 ailes  
Maxi-Scharnier 2-teilig

| Code     | Art.                                                                                             | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11622030 | <b>550-300</b>  | L=305 Ø32 | Raw       | 800         | 4        | 8.45    |

Capacity per couple hinges, L/H=1

## 551

Galvanized pin



Big hinge with 3 wings  
Grande paumelle avec 3 ailes  
Maxi-Scharnier 3-teilig

| Code     | Art.                                                                                             | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11622530 | <b>551-300</b>  | L=305 Ø32 | Raw       | 1000        | 4        | 8.31    |

Capacity per couple hinges, L/H=1

## 552

Galvanized pin



Big hinge with 4 wings  
Grande paumelle avec 4 ailes  
Maxi-Scharnier 4-teilig

| Code     | Art.                                                                                               | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11623030 | <b>552-300</b>  | L=305 Ø32 | Raw       | 1300        | 4        | 8.29    |

Capacity per couple hinges, L/H=1

## 560

Drop hinge with steel pivot and washer  
Paumelle à goutte avec pivot  
en acier avec rondelle  
Bandrolle mit Zapfen aus Stahl  
mit Unterlegsscheibe



| Code         | Art.                                                                                                | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------------------------------------------------------------------------------------------|-----------|------------|-------------|----------|---------|
| 11628506     | <b>560T-60</b>                                                                                      | L=60 Ø6   | Raw        | 75          | 40       | 1.56    |
| 11628506 001 | <b>560T-60</b>   | L=60 Ø6   | Galvanized | 75          | 40       | 1.56    |
| 11647608     | <b>560-80</b>                                                                                       | L=80 Ø7   | Raw        | 110         | 50       | 4.05    |
| 11647608 001 | <b>560Z-80</b>   | L=80 Ø7   | Galvanized | 110         | 50       | 4.05    |
| 11647610     | <b>560-100</b>                                                                                      | L=100 Ø9  | Raw        | 150         | 40       | 5.96    |
| 11628510     | <b>560T-100</b>  | L=100 Ø9  | Raw        | 150         | 40       | 6.68    |
| 11647612     | <b>560-120</b>                                                                                      | L=118 Ø9  | Raw        | 225         | 40       | 6.92    |
| 11628512     | <b>560T-120</b>  | L=118 Ø9  | Raw        | 225         | 40       | 8.12    |
| 11647614     | <b>560-140</b>                                                                                      | L=138 Ø12 | Raw        | 260         | 20       | 6.74    |
| 11628514     | <b>560T-140</b>  | L=138 Ø12 | Raw        | 260         | 20       | 7.40    |
| 11628516     | <b>560-160</b>                                                                                      | L=156 Ø12 | Raw        | 300         | 10       | 4.20    |
| 11628518     | <b>560-180</b>                                                                                      | L=175 Ø12 | Raw        | 330         | 10       | 4.74    |

Capacity per couple hinges, L/H=1

| Code     | Art.                                                                                              | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11647710 | <b>564-100</b>                                                                                    | L=100 Ø9  | Raw       | 150         | 50       | 7.50    |
| 11615911 | <b>564T-100</b>  | L=100 Ø9  | Raw       | 150         | 50       | 8.50    |
| 11647712 | <b>564-120</b>                                                                                    | L=118 Ø9  | Raw       | 225         | 40       | 7.00    |
| 11615912 | <b>564T-120</b>  | L=118 Ø9  | Raw       | 225         | 40       | 8.20    |
| 11647714 | <b>564-140</b>                                                                                    | L=138 Ø12 | Raw       | 260         | 20       | 6.20    |
| 11615914 | <b>564T-140</b>  | L=138 Ø12 | Raw       | 260         | 20       | 7.54    |
| 11615916 | <b>564-160</b>                                                                                    | L=156 Ø12 | Raw       | 300         | 10       | 4.30    |
| 11615918 | <b>564-180</b>                                                                                    | L=175 Ø12 | Raw       | 330         | 10       | 4.77    |

Capacity per couple hinges, L/H=1



# 564

Drop hinge with steel pivot and bearing  
Paumelle à goutte avec pivot en acier avec roulement  
Bandrolle mit Zapfen aus Stahl mit Kugellager

| Code     | Art.           | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|----------|-----------|-------------|----------|---------|
| 11615604 | <b>570-40</b>  | L=40 Ø6  | Raw       | 52          | 40       | 1.20    |
| 11615606 | <b>570-60</b>  | L=60 Ø6  | Raw       | 75          | 40       | 1.32    |
| 11615608 | <b>570-80</b>  | L=80 Ø9  | Raw       | 110         | 40       | 3.32    |
| 11615610 | <b>570-100</b> | L=100 Ø9 | Raw       | 150         | 40       | 3.88    |
| 11615612 | <b>570-120</b> | L=119 Ø9 | Raw       | 225         | 40       | 6.88    |
| 11615614 | <b>570-140</b> | L=139 Ø9 | Raw       | 300         | 40       | 7.76    |

Capacity per couple hinges, L/H=1



# 570

Drop hinge "Futura" with steel pin  
Paumelle "Futura" avec pivot en acier  
Bandrolle „Futura“ mit Zapfen aus Stahl

| Code     | Art.           | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|----------|-----------|-------------|----------|---------|
| 11616104 | <b>572-40</b>  | L=40 Ø6  | Raw       | 52          | 40       | 1.20    |
| 11616106 | <b>572-60</b>  | L=60 Ø6  | Raw       | 75          | 40       | 1.36    |
| 11616108 | <b>572-80</b>  | L=80 Ø9  | Raw       | 110         | 40       | 3.16    |
| 11616110 | <b>572-100</b> | L=100 Ø9 | Raw       | 150         | 40       | 3.92    |
| 11616112 | <b>572-120</b> | L=119 Ø9 | Raw       | 225         | 40       | 6.84    |
| 11616114 | <b>572-140</b> | L=139 Ø9 | Raw       | 300         | 40       | 8.04    |

Capacity per couple hinges, L/H=1



# 572

Drop hinge "Futura" with brass pin  
Paumelle "Futura" avec pivot en laiton  
Bandrolle „Futura“ mit Zapfen aus Messing

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11617110 | <b>574-100</b> | L=98 Ø14  | Raw       | 150         | 16       | 4.32    |
| 11617115 | <b>574-150</b> | L=150 Ø14 | Raw       | 300         | 16       | 6.51    |

Capacity per couple hinges, L/H=1



# 574

Drop hinge "Futura" with steel pin and washer  
Paumelle "Futura" avec pivot en acier et rondelle  
Bandrolle „Futura“ mit Stift aus Stahl und Unterlegsscheibe

| Code     | Art.           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-----------|-----------|-------------|----------|---------|
| 11617210 | <b>575-100</b> | L=98 Ø14  | Raw       | 150         | 16       | 4.80    |
| 11617215 | <b>575-150</b> | L=150 Ø14 | Raw       | 300         | 16       | 6.51    |

Capacity per couple hinges, L/H=1



# 575

Drop hinge "Futura" with steel pin and bearing  
Paumelle "Futura" avec pivot en acier et bague à bille  
Bandrolle „Futura“ mit Stift aus Stahl und Kugellager

| Code     | Art.           | Size              | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------------|-----------|-------------|----------|---------|
| 11617310 | <b>576-100</b> | L=100 Ø14 - 22x27 | Raw       | 110         | 10       | 3.00    |
| 11617314 | <b>576-140</b> | L=142 Ø10 - 18x22 | Raw       | 150         | 16       | 6.08    |
| 11617315 | <b>576-150</b> | L=150 Ø14 - 22x27 | Raw       | 180         | 16       | 6.51    |

Capacity per couple hinges, L/H=1



# 576

Drop hinge "Futura" with brass bearing pin and washer  
Paumelle "Futura" avec pivot roulement en laiton et rondelle  
Bandrolle "Futura" mitt kugellager stift aus messing und  
Pernio "Futura" eje con cojinete de latón con arandela

## 577

Drop hinge "Futura" with  
brass pin and bearing  
Paumelle "Futura" avec pivot  
en laiton et bague à bille  
Bandrolle „Futura“ mit Stift aus  
Messing und Kugellager



| Code         | Art.             | Size                                                                                                | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-----------------------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 11648310     | <b>577-100</b>   | L=100 Ø14 - 22x27                                                                                   | Raw        | 110         | 16       | 4.62    |
| 11648314     | <b>577-140</b>   | L=142 Ø10 - 18x22                                                                                   | Raw        | 150         | 16       | 4.14    |
| 11648315     | <b>577-150</b>   | L=150 Ø14 - 22x27                                                                                   | Raw        | 180         | 16       | 6.08    |
| 11648315 001 | <b>577Z-150</b>  |  L=150 Ø14 - 22x27 | Galvanized | 180         | 16       | 6.08    |
| 11617915     | <b>577PS-150</b> |  L=150 Ø14 - 22x27 | Raw        | 180         | 16       | 6.51    |

Capacity per couple hinges, L/H=1

## 578

Drop hinge "futura" with reinforced,  
brass-covered pivot and bearing  
Paumelle Futura avec pivot renforcé  
et revêtu de laiton avec roulement  
Bandrolle "Futura" mit verstärktem  
und mit Messig beschichtetem  
Zapfen mit Kugellager



| Code     | Art.           | Size              | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|-------------------|-----------|-------------|----------|---------|
| 11648410 | <b>578-100</b> | L=100 Ø14 - 22x27 | Raw       | 110         | 16       | 4.42    |
| 11648414 | <b>578-140</b> | L=142 Ø10 - 18x22 | Raw       | 150         | 16       | 4.00    |
| 11648415 | <b>578-150</b> | L=150 Ø14 - 22x27 | Raw       | 180         | 16       | 6.29    |

Capacity per couple hinges, L/H=1

## 590

Threaded peg for armoured doors  
Piquet taraudé pour portes blindées  
Sicherheitsdorn mit Gewinde  
für gepanzerte Türen



| Code         | Art.       | Size     | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|----------|------------|-------------|----------|---------|
| 10703005 001 | <b>590</b> | M18 L=30 | Galvanized |             | 100      | 3.10    |

## 591

Threaded peg for armoured doors  
Piquet taraudé pour portes blindées  
Sicherheitsdorn mit Gewinde  
für gepanzerte Türen



| Code         | Art.          | Size     | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|----------|------------|-------------|----------|---------|
| 10703015 001 | <b>591-16</b> | L=17 Ø16 | Galvanized |             | 100      | 2.20    |
| 10703020 001 | <b>591-18</b> | L=17 Ø18 | Galvanized |             | 100      | 2.90    |
| 10703025 001 | <b>591-20</b> | L=17 Ø20 | Galvanized |             | 100      | 3.60    |

## 600

Hinge for transom windows  
Paumelle vasistas  
Scharnier für Klapfenster



| Code     | Art.          | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------------|-----------|-------------|----------|---------|
| 11623505 | <b>600-65</b> | 67x68, 40° | Raw       |             | 40       | 4.08    |
| 11623510 | <b>600-85</b> | 90x92, 48° | Raw       |             | 20       | 3.14    |

## 606

Compass hinge for transom windows  
Paumelle à compas pour vasistas  
Scharnier für Klapfenster



| Code     | Art.          | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|-------------|----------|---------|
| 11624005 | <b>606-65</b> |      | Raw       |             | 40       | 4.84    |
| 11624010 | <b>606-85</b> |      | Raw       |             | 25       | 5.40    |



| Code         | Art.          | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------------|------------|-------------|----------|---------|
| 11805010 001 | <b>607-30</b> | L30-40 Ø30 | Galvanized |             | 50       | 4.40    |
| 11805005 001 | <b>607-35</b> | L30-40 Ø35 | Galvanized |             | 50       | 5.80    |



# 607

Adjustable spacer for grate  
Entretoises réglables pour grille  
Verstellbar Abstandsstück

| Code         | Art.          | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------------|------------|-------------|----------|---------|
| 11805020 001 | <b>608-30</b> | L23-33 Ø30 | Galvanized |             | 50       | 4.10    |
| 11805015 001 | <b>608-35</b> | L23-33 Ø35 | Galvanized |             | 50       | 5.30    |



# 608

Adjustable spacer for grate  
Entretoises réglables pour grille  
Verstellbar Abstandsstück

| Code         | Art.          | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------------|------------|-------------|----------|---------|
| 11805030 001 | <b>609-30</b> | L45-65 Ø30 | Galvanized |             | 50       | 8.30    |
| 11805025 001 | <b>609-35</b> | L45-65 Ø35 | Galvanized |             | 50       | 12.20   |



# 609

Adjustable spacer for grate  
Entretoises réglables pour grille  
Verstellbar Abstandsstück

| Code         | Art.          | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------------|------------|-------------|----------|---------|
| 12207505 001 | <b>615-10</b> | 24x10, R=6 | Galvanized |             | 500      | 3.00    |
| 12207510 001 | <b>615-12</b> | 26x12, R=9 | Galvanized |             | 500      | 3.50    |



# 615

Cover-angle for windows  
Couvre-côin pour fenêtres  
Winkelbedeckung für Fenster





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# Bolts and other accessories

 **COMUNELLOGATE**

## 620

Galvanised latch  
Verrou zingué  
Verzinkter Riegel



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11700505 001 | <b>620</b> | ☑    | Galvanized |             | 50       | 2.05    |

## 625

Zinked key  
Clé en zamak  
Schlüssel aus Zamak



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 11701005 001 | <b>625</b> | ☑    | Galvanized |             | 50       | 1.10    |
| 11701010 001 | <b>625</b> | △    | Galvanized |             | 50       | 1.15    |

## 627

Galvanised lever latch  
Verrou à levier zingué  
Riegel mit Hebel verzinkt



| Code         | Art.        | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|---------|------------|----------|---------|
| 11701105 001 | <b>627P</b> | Piccolo | Galvanized | 20       | 1.28    |
| 11701110 001 | <b>627G</b> | Grande  | Galvanized | 20       | 2.72    |

## 628

Aluminium key for latch  
Clé en aluminium pour verrou  
Aluminium Schlüssel für Riegel



| Code     | Art.       | Size | Finishing | Pcs/pack | Kg/pack |
|----------|------------|------|-----------|----------|---------|
| 11701205 | <b>628</b> |      |           | 20       | 0.44    |

## 630

Catch for transom windows  
Loqueteau pour vasistas  
Schnappschluss für Klappfenster



| Code         | Art.       | Size        | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-------------|------------|----------|---------|
| 11701505 001 | <b>630</b> | Stroke 12.4 | Galvanized | 50       | 3.50    |

## 635

Catch for transom windows  
Loqueteau pour vasistas  
Schnappschluss für Klappfenster



| Code     | Art.       | Size        | Finishing | Pcs/pack | Kg/pack |
|----------|------------|-------------|-----------|----------|---------|
| 11702005 | <b>635</b> | Stroke 14,2 | Raw       | 50       | 4.25    |

## 640

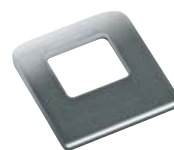
Catch for transom windows  
Loqueteau pour vasistas  
Schnappschluss für Klappfenster



| Code     | Art.       | Size        | Finishing | Pcs/pack | Kg/pack |
|----------|------------|-------------|-----------|----------|---------|
| 11702505 | <b>640</b> | Stroke 16,7 | Raw       | 25       | 4.10    |



| Code     | Art.       | Size         | Finishing | Pcs/pack | Kg/pack |
|----------|------------|--------------|-----------|----------|---------|
| 11703005 | <b>645</b> | for Art. 630 | Raw       | 200      | 4.80    |



# 645

Staple for art. 630  
Gâche pour art. 630  
Befestigungsklammer für Art. 630

| Code     | Art.       | Size                 | Finishing | Pcs/pack | Kg/pack |
|----------|------------|----------------------|-----------|----------|---------|
| 11703505 | <b>650</b> | for Art. 630-635-640 | Raw       | 200      | 6.20    |



# 650

Staple for art. 630 - 635 - 640  
Gâche pour art. 630-635-640  
Befestigungsklammer für Art. 630-635-640

| Code     | Art.       | Size                 | Finishing | Pcs/pack | Kg/pack |
|----------|------------|----------------------|-----------|----------|---------|
| 11704005 | <b>655</b> | for Art. 630-635-640 | Raw       | 200      | 3.60    |



# 655

Staple for art. 630 - 635 - 640  
Gâche pour art. 630-635-640  
Befestigungsklammer für Art. 630-635-640

| Code         | Art.         | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|----------|---------|
| 10904005 001 | <b>660DX</b> |      | Galvanized | 20       | 2.98    |



# 660DX

Lever bolt  
Poignée de blocage  
Fensterverschluss

| Code         | Art.         | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|----------|---------|
| 10904010 001 | <b>660SX</b> |      | Galvanized | 20       | 2.98    |



# 660SX

Lever bolt  
Poignée de blocage  
Fensterverschluss

| Code         | Art.       | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|----------|---------|
| 10904505 001 | <b>662</b> |      | Galvanized | 20       | 4.54    |



# 662

Reversible lever bolt  
Poignée de blocage réversible  
Fensterverschluss doppelseitig

| Code         | Art.       | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|----------|---------|
| 11801005 001 | <b>670</b> |      | Galvanized | 6        | 2.17    |



# 670

Lever handle  
Béquille à levier  
Hebel.Drücker

## 671

Bended pull handle dia.15mm  
Poignée courbée dia.15mm  
Gebogener Stosgriff Durchm.15 mm



| Code         | Art.        | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|----------|---------|
| 11000400 503 | <b>671P</b> | L=215 Ø15 | RAL9005   | 10       | 6.40    |
| 11000401 503 | <b>671G</b> | L=265 Ø15 | RAL9005   | 10       | 7.10    |

## 673

Bolt to be welded  
Verrou à souder  
Stossriegel zum Anschweißen



| Code         | Art.       | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|----------|---------|
| 11900505 001 | <b>673</b> |      | Galvanized | 25       | 4.15    |

## 674

Die-cast alloy handle  
Béquille en zamac moulée  
sous pression  
Torgriff aus Druckguss-Zamak



| Code         | Art.       | Size  | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|-------|-----------|----------|---------|
| 10905006 503 | <b>674</b> | L=162 | RAL9005   | 20       | 4.16    |

## 675

Bended pull handle dia.15mm  
Poignée courbée dia.15mm  
Gebogener Stosgriff Durchm.15 mm



| Code         | Art.        | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|----------|---------|
| 11000505 503 | <b>675P</b> | L=215 Ø15 | RAL9005   | 10       | 6.10    |
| 11000510 503 | <b>675G</b> | L=265 Ø15 | RAL9005   | 10       | 6.45    |

## 677

Straight pull handle dia.15mm  
Poignée droite dia.15mm  
Gerader Stosgriff Durchm. 15mm



| Code         | Art.        | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|----------|---------|
| 11001005 503 | <b>677P</b> | L=215 Ø15 | RAL9005   | 10       | 4.53    |
| 11001010 503 | <b>677G</b> | L=265 Ø15 | RAL9005   | 10       | 5.42    |

## 678

Bended pull handle  
Poignée courbée  
Gebogener rohrförmiger Stosgriff



| Code         | Art.        | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|----------|---------|
| 11001505 503 | <b>678P</b> | L=234 Ø20 | RAL9005   | 10       | 4.21    |
| 11001510 503 | <b>678G</b> | L=351 Ø28 | RAL9005   | 10       | 8.96    |





| Code         | Art.        | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|----------|---------|
| 11002505 503 | <b>679P</b> | L=234 Ø20 | RAL9005   | 10       | 3.20    |
| 11002510 503 | <b>679G</b> | L=351 Ø28 | RAL9005   | 10       | 6.70    |



# 679

Straight pull handle  
Poignée droite  
Rohrförmiger gerader Stossgriff

| Code         | Art.       | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-----------|------------|----------|---------|
| 11203005 001 | <b>680</b> | Rod 14X14 | Galvanized | 5        | 4.53    |



# 680

"Car" lever bolt internal bars 14x14mm  
Crémone à levier "Car" tringles  
intérieures 14x14mm  
Treibriegel "Car" Innenstange 14x14mm

| Code         | Art.       | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-----------|------------|----------|---------|
| 11203505 001 | <b>682</b> | Rod 14X14 | Galvanized | 5        | 5.00    |



# 682

"Car" lever bolt external bars 14x14mm  
Crémone à levier "Car" tringles  
extérieures 14x14mm  
Treibriegel "Car" mit Zylinder und  
Außenstangen 14x14 mm

| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10205505 001 | <b>683</b> | L=1500 | Galvanized | 1        | 1.18    |
| 10205510 001 | <b>683</b> | L=2000 | Galvanized | 1        | 1.57    |



# 683

Bar for lever bolt art.686 10X10mm  
Tringle pour crémone  
art.686 10X10mm  
Stange für Treibriegel  
art.686 10X10mm

| Code         | Art.       | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|----------|---------|
| 11204005 700 | <b>684</b> |      | Grey      | 5        | 3.55    |



# 684

"Bon" lever bolt with cylinder  
Crémones à levier "Bon" avec cylindre  
Treibriegel "Bon" mit Zylinder

| Code         | Art.       | Size   | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|--------|-----------|----------|---------|
| 11204805 503 | <b>685</b> | Rod Ø6 | RAL9005   | 10       | 5.00    |



# 685

Lever bolt internal bars dia.6mm  
Crémone à levier tringles  
intérieures dia 6mm  
Treibriegel für Innenstange  
Durchm. 6mm



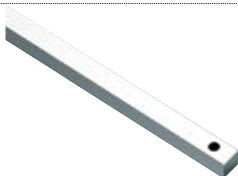
## 686



Lever bolt for external bars 10x10mm  
Crémone à levier pour tringles  
extérieures 10x10mm  
Treibriegel für Außenstange  
Durchm. 10x10mm

| Code         | Art.       | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|-----------|-----------|----------|---------|
| 11204705 503 | <b>686</b> | Rod 10X10 | RAL9005   | 10       | 5.00    |

## 687



Holed bar 14x14 mm for  
lever bolt art.680-682  
Tringle percée 14x14mm pour  
crémones art.680-682  
Stange mit Bohrungen 14x14mm  
für Treibriegel art.680-682

| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10206005 001 | <b>687</b> | L=1500 | Galvanized | 1        | 2.31    |
| 10206010 001 | <b>687</b> | L=2000 | Galvanized | 1        | 3.08    |

## 688



Rod for locks  
Tringle pour serrures  
Stange für Schlösser

| Code         | Art.       | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|--------|------------|----------|---------|
| 10206510 001 | <b>688</b> | L=1200 | Galvanized | 50       | 10.50   |

## 689



Rod tip for locks  
Pointe de Tringle pour serrures  
Spitze für SchlösserStange

| Code         | Art.          | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|----------|---------|
| 10206515 001 | <b>689-8</b>  |      | Galvanized | 50       | 1.60    |
| 10206520 001 | <b>689-10</b> |      | Galvanized | 50       | 2.35    |
| 10206525 001 | <b>689-12</b> |      | Galvanized | 50       | 3.30    |
| 10206530 001 | <b>689-14</b> |      | Galvanized | 50       | 4.45    |

## 700Z



Flush mounted bolt with 2  
locking and brass lever  
Verrou à bascule avec 2 sorties  
et levier bichromaté  
Kantenriegel mit Doppel-Bewegung  
und Hebel aus Messing

| Code         | Art.        | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|------------|----------|---------|
| 11901005 001 | <b>700Z</b> | Stroke 13 | Galvanized | 10       | 3.21    |

## 704



Flush mounted bolt with 1  
locking, galvanised lever  
Verrou à bascule avec 1  
sortie et levier zingué  
Kantenriegel mit Einzel-  
Bewegung und Hebel verzinkt

| Code         | Art.          | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|------------|----------|---------|
| 11901206 001 | <b>704-16</b> | Stroke 16 | Galvanized | 20       | 2.08    |
| 11901211 001 | <b>704-20</b> | Stroke 16 | Galvanized | 20       | 2.10    |
| 11901216 001 | <b>704-24</b> | Stroke 16 | Galvanized | 20       | 2.24    |
| 11901215 001 | <b>704-24</b> | Stroke 16 | Galvanized | 20       | 2.26    |



| Code         | Art.          | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|------------|----------|---------|
| 11901605 001 | <b>705-16</b> | Stroke 16 | Galvanized | 20       | 2.02    |
| 11901610 001 | <b>705-20</b> | Stroke 16 | Galvanized | 20       | 2.20    |
| 11901615 001 | <b>705-24</b> | Stroke 16 | Galvanized | 20       | 2.34    |



## 705

Flush mounted bolt with 1 locking, brass lever  
 Verrou à bascule avec 1 sortie et levier bichromaté  
 Kantenriegel mit Einzel-Bewegung und Hebel aus Messing

| Code         | Art.       | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-----------|------------|----------|---------|
| 11901805 001 | <b>706</b> | Stroke 30 | Galvanized | 6        | 1.80    |



## 706

Flush mounted bolt for armoured doors with 1 locking and nickel-plated brass lever stroke 30 mm  
 Verrou à bascule pour portes blindées avec 1 sortie et levier en laiton nickelé course 30 mm  
 Kantenriegel für gepanzerte Türe mit Einzel-Bewegung und Hebel aus nickelplattiertem Messing 30 mm Hub

| Code         | Art.       | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-----------|------------|----------|---------|
| 11901905 001 | <b>707</b> | Stroke 15 | Galvanized | 6        | 2.15    |



## 707

Flush mounted bolt for armoured doors with 2 lockings and nickel-plated brass lever stroke 15 mm  
 Verrou à bascule pour portes blindées avec 2 sorties et levier en laiton nickelé course 15 mm  
 Kantenriegel für gepanzerte Türe mit Doppel-Bewegung und Hebel aus nickelplattiertem Messing 15 mm Hub

| Code         | Art.       | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|-----------|------------|----------|---------|
| 11901705 001 | <b>708</b> | Stroke 21 | Galvanized | 6        | 2.87    |



## 708

Flush mounted bolt for armoured doors with 2 lockings and nickel-plated brass lever stroke 21 mm  
 Verrou à bascule pour portes blindées avec 2 sorties et levier en laiton nickelé course 21 mm  
 Kantenriegel für gepanzerte Türe mit Doppel-Bewegung und Hebel aus nickelplattiertem Messing 21 mm Hub

| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11902005 001 | <b>710-130</b> |      | Galvanized | 10       | 2.04    |
| 11902010 001 | <b>710-300</b> |      | Galvanized | 10       | 3.94    |
| 11902015 001 | <b>710-500</b> |      | Galvanized | 10       | 5.99    |



## 710

Ø 10

Square bolt  
 Verrou carré  
 Stangenriegel mit viereckiger Spitze

| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11902505 001 | <b>712-130</b> |      | Galvanized | 10       | 1.95    |
| 11902510 001 | <b>712-300</b> |      | Galvanized | 10       | 3.89    |
| 11902515 001 | <b>712-500</b> |      | Galvanized | 10       | 5.99    |



## 712

Ø 10

Round bolt  
 Verrou avec pointe ronde  
 Stangenriegel mit runder Spitze

## 714

Ø 14

Square bolt  
Verrou avec pointe carrée  
Stangenriegel mit viereckiger Spitze



| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11903005 001 | <b>714-330</b> |      | Galvanized | 5        | 3.67    |
| 11903010 001 | <b>714-660</b> |      | Galvanized | 5        | 6.51    |

## 716

Ø14

Round bolt  
Verrou avec pointe ronde  
Stangenriegel mit runder Spitze



| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11903505 001 | <b>716-330</b> |      | Galvanized | 5        | 3.65    |
| 11903510 001 | <b>716-660</b> |      | Galvanized | 5        | 6.50    |

## 719

Ø19

Round bolt  
Verrou avec pointe ronde  
Stangenriegel mit runder Spitze



| Code         | Art.       | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|----------|---------|
| 11903905 001 | <b>719</b> |      | Galvanized | 2        | 4.24    |

## 720

Round-pointed bolt with lever  
Verrou à levier avec pointe arrondie  
Stangenriegel mit abgerundetem Hebelspitze



| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11904005 001 | <b>720-350</b> | Stroke 32 | Galvanized | 10       | 3.16    |
| 11904010 001 | <b>720-450</b> | Stroke 32 | Galvanized | 10       | 3.67    |
| 11904015 001 | <b>720-600</b> | Stroke 32 | Galvanized | 10       | 4.39    |
| 11904020 001 | <b>720-800</b> | Stroke 32 | Galvanized | 10       | 5.41    |

## 725

Heavy bolt with lever  
Verrou lourd à levier  
Stangenriegel mit großem Hebel



| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11904505 001 | <b>725-450</b> | Stroke 38 | Galvanized | 10       | 7.76    |
| 11904510 001 | <b>725-600</b> | Stroke 38 | Galvanized | 10       | 9.66    |
| 11904515 001 | <b>725-800</b> | Stroke 38 | Galvanized | 10       | 12.23   |

## 732Z

Automatic bolt for 2 leaf gates  
Verrous autobloquants  
Automatisch Riegel



| Code         | Art.        | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|------------|----------|---------|
| 11904705 001 | <b>732Z</b> | Stroke 21 | Galvanized | 6        | 2.53    |



| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11905005 001 | <b>735-150</b> | Stroke 50 | Galvanized | 10       | 2.00    |
| 11905010 001 | <b>735-200</b> | Stroke 50 | Galvanized | 10       | 2.63    |
| 11905015 001 | <b>735-250</b> | Stroke 50 | Galvanized | 10       | 3.18    |
| 11905020 001 | <b>735-300</b> | Stroke 50 | Galvanized | 10       | 3.87    |
| 11905025 001 | <b>735-400</b> | Stroke 50 | Galvanized | 10       | 5.10    |
| 11905030 001 | <b>735-500</b> | Stroke 50 | Galvanized | 10       | 6.35    |
| 11905035 001 | <b>735-600</b> | Stroke 50 | Galvanized | 10       | 7.12    |
| 11905040 001 | <b>735-800</b> | Stroke 50 | Galvanized | 10       | 10.20   |



# 735

Medium bolt to be welded  
Verrou moyen à souder  
Stangenriegel zum  
Anschweißen medium

| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11905205 001 | <b>737-150</b> | Stroke 40 | Galvanized | 10       | 2.29    |
| 11905210 001 | <b>737-200</b> | Stroke 55 | Galvanized | 10       | 3.01    |
| 11905215 001 | <b>737-250</b> | Stroke 55 | Galvanized | 10       | 3.75    |
| 11905220 001 | <b>737-300</b> | Stroke 55 | Galvanized | 10       | 4.50    |
| 11905225 001 | <b>737-400</b> | Stroke 55 | Galvanized | 10       | 6.02    |
| 11905230 001 | <b>737-500</b> | Stroke 55 | Galvanized | 10       | 6.53    |
| 11905235 001 | <b>737-600</b> | Stroke 55 | Galvanized | 10       | 9.08    |
| 11905240 001 | <b>737-800</b> | Stroke 55 | Galvanized | 10       | 12.15   |



# 737

Ø12mm

Bolt to be welded round bar dia.12mm  
Verrou à souder tringle ronde dia.12mm  
Stossriegel mit abgerundeter  
Stange zum Anschweißen

| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11905505 001 | <b>740-150</b> | Stroke 40 | Galvanized | 10       | 1.80    |
| 11905510 001 | <b>740-200</b> | Stroke 40 | Galvanized | 10       | 2.24    |
| 11905515 001 | <b>740-250</b> | Stroke 40 | Galvanized | 10       | 2.90    |
| 11905520 001 | <b>740-300</b> | Stroke 40 | Galvanized | 10       | 3.44    |
| 11905525 001 | <b>740-400</b> | Stroke 40 | Galvanized | 10       | 4.38    |
| 11905530 001 | <b>740-500</b> | Stroke 40 | Galvanized | 10       | 5.36    |
| 11905535 001 | <b>740-600</b> | Stroke 40 | Galvanized | 10       | 6.58    |
| 11905540 001 | <b>740-800</b> | Stroke 40 | Galvanized | 10       | 8.50    |



# 740

Ø 14mm

Light bolt  
Verrou léger  
Kleiner Stossriegel

| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11906005 001 | <b>745-200</b> | Stroke 50 | Galvanized | 6        | 3.50    |
| 11906010 001 | <b>745-250</b> | Stroke 50 | Galvanized | 6        | 4.45    |
| 11906015 001 | <b>745-300</b> | Stroke 50 | Galvanized | 6        | 5.25    |
| 11906020 001 | <b>745-400</b> | Stroke 50 | Galvanized | 6        | 6.84    |
| 11906025 001 | <b>745-500</b> | Stroke 50 | Galvanized | 6        | 8.26    |
| 11906030 001 | <b>745-600</b> | Stroke 50 | Galvanized | 6        | 10.20   |
| 11906035 001 | <b>745-800</b> | Stroke 50 | Galvanized | 6        | 13.27   |



# 745

Ø 25mm

Heavy bolt  
Verrou lourd  
Grosser Stossriegel

| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11906500 001 | <b>750-100</b> | Stroke 42 | Galvanized | 10       | 2.70    |
| 11906505 001 | <b>750-150</b> | Stroke 42 | Galvanized | 10       | 2.68    |
| 11906510 001 | <b>750-200</b> | Stroke 42 | Galvanized | 10       | 3.44    |



# 750

Ø 16mm

Medium padlock-bolt  
Verrou porte-cadenas moyen  
Hangschlossriegel medium

| Code         | Art.           | Size       | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------|------------|-----------|----------|---------|
| 11906705 005 | <b>752-130</b> | Stroke 43  | Bronzed   | 10       | 3.05    |
| 11906710 005 | <b>752-145</b> | Stroke 71  | Bronzed   | 10       | 3.79    |
| 11906715 005 | <b>752-170</b> | Stroke 93  | Bronzed   | 10       | 4.74    |
| 11906720 005 | <b>752-195</b> | Stroke 118 | Bronzed   | 10       | 5.61    |



# 752

Ø12

Padlock-bolt with round rod  
Verrou porte-cadenas tringle ronde  
Hangschlossriegel mit  
abgerundeter Stange

## 755

 25mm

Heavy padlock-bolt  
Verrou porte-cadenas lourd  
Hangschlossriegel gross



| Code         | Art.           | Size       | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------------|------------|----------|---------|
| 11907005 001 | <b>755-200</b> | Stroke 70  | Galvanized | 4        | 3.56    |
| 11907010 001 | <b>755-300</b> | Stroke 70  | Galvanized | 4        | 4.75    |
| 11907015 001 | <b>755-400</b> | Stroke 100 | Galvanized | 4        | 6.02    |
| 11907020 001 | <b>755-500</b> | Stroke 100 | Galvanized | 4        | 7.54    |

## 760

 Ø14

Padlock-bolt with round rod d. 14 mm  
Verrou porte-cadenas tringle  
ronde dia.14mm  
Hangschlossriegel mit  
abgerundeter Stange d. 14 mm



| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11907505 001 | <b>760-180</b> |      | Galvanized | 10       | 4.15    |
| 11907510 001 | <b>760-215</b> |      | Galvanized | 10       | 4.93    |
| 11907515 001 | <b>760-270</b> |      | Galvanized | 10       | 6.09    |

## 800

 18mm

Bolt to be screwed  
Verrou à visser  
Stossriegel zum Anschrauben



| Code         | Art.           | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|------------|----------|---------|
| 11908005 001 | <b>800-200</b> | Stroke 30 | Galvanized | 10       | 2.30    |
| 11908010 001 | <b>800-250</b> | Stroke 30 | Galvanized | 10       | 2.87    |
| 11908015 001 | <b>800-300</b> | Stroke 30 | Galvanized | 10       | 3.54    |
| 11908020 001 | <b>800-400</b> | Stroke 30 | Galvanized | 10       | 4.77    |
| 11908025 001 | <b>800-500</b> | Stroke 30 | Galvanized | 10       | 6.04    |
| 11908030 001 | <b>800-600</b> | Stroke 30 | Galvanized | 10       | 7.22    |
| 11908035 001 | <b>800-800</b> | Stroke 30 | Galvanized | 10       | 9.79    |

## 805

 16mm

Transverse light bolt  
Verrou transversal léger  
Horizontalstossriegel klein



| Code         | Art.           | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|-----------|----------|---------|
| 11908505 005 | <b>805-80</b>  | Stroke 22 | Bronzed   | 10       | 1.23    |
| 11908510 005 | <b>805-120</b> | Stroke 40 | Bronzed   | 10       | 1.78    |
| 11908515 005 | <b>805-160</b> | Stroke 58 | Bronzed   | 10       | 2.32    |
| 11908520 005 | <b>805-200</b> | Stroke 78 | Bronzed   | 10       | 2.83    |

## 810

 16mm

Transverse medium bolt  
Verrou transversal moyen  
Horizontalstossriegel medium



| Code         | Art.           | Size       | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------|------------|-----------|----------|---------|
| 11909005 005 | <b>810-150</b> | Stroke 34  | Bronzed   | 10       | 2.00    |
| 11909010 005 | <b>810-200</b> | Stroke 40  | Bronzed   | 10       | 2.57    |
| 11909015 005 | <b>810-250</b> | Stroke 72  | Bronzed   | 10       | 3.10    |
| 11909020 005 | <b>810-300</b> | Stroke 80  | Bronzed   | 10       | 3.55    |
| 11909025 005 | <b>810-400</b> | Stroke 120 | Bronzed   | 10       | 4.64    |

## 820

 25mm

Transverse heavy bolt 25 mm  
Verrou transversal lourd 25 mm  
Horizontalstossriegel gross 25 mm



| Code         | Art.           | Size       | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------|------------|-----------|----------|---------|
| 11909505 005 | <b>820-200</b> | Stroke 40  | Bronzed   | 4        | 2.39    |
| 11909510 005 | <b>820-300</b> | Stroke 70  | Bronzed   | 4        | 3.44    |
| 11909515 005 | <b>820-400</b> | Stroke 100 | Bronzed   | 4        | 4.54    |
| 11909520 005 | <b>820-500</b> | Stroke 100 | Bronzed   | 4        | 5.85    |



| Code         | Art.           | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------|-----------|-----------|----------|---------|
| 11910005 005 | <b>825-150</b> | Stroke 40 | Bronzed   | 10       | 2.19    |
| 11910010 005 | <b>825-200</b> | Stroke 40 | Bronzed   | 10       | 2.93    |
| 11910015 005 | <b>825-250</b> | Stroke 40 | Bronzed   | 10       | 3.62    |
| 11910020 005 | <b>825-300</b> | Stroke 40 | Bronzed   | 10       | 4.33    |
| 11910025 005 | <b>825-400</b> | Stroke 40 | Bronzed   | 10       | 5.70    |
| 11910030 005 | <b>825-500</b> | Stroke 40 | Bronzed   | 10       | 7.00    |
| 11910035 005 | <b>825-600</b> | Stroke 40 | Bronzed   | 10       | 8.43    |
| 11910040 005 | <b>825-800</b> | Stroke 40 | Bronzed   | 10       | 11.07   |



# 825

16mm

Vertical bolt  
Verrou vertical moyen  
Vertikaler Stossriegel medium

| Code         | Art.       | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|----------|---------|
| 12002005 005 | <b>827</b> |      | Bronzed   | 50       | 1.25    |



# 827

Strike for bolt art.825  
Gâche pour verrou art. 825  
Schliesskloben für  
Stossriegel Artikel 825

| Code         | Art.                                                                                               | Size      | Finishing | Pcs/pack | Kg/pack |
|--------------|----------------------------------------------------------------------------------------------------|-----------|-----------|----------|---------|
| 11910505 005 | <b>835-200</b>    | Stroke 55 | Bronzed   | 4        | 2.74    |
| 11910510 005 | <b>835-300</b>                                                                                     | Stroke 55 | Bronzed   | 4        | 3.97    |
| 11910515 005 | <b>835-400</b>                                                                                     | Stroke 55 | Bronzed   | 4        | 5.29    |
| 11910520 005 | <b>835-500</b>    | Stroke 55 | Bronzed   | 4        | 6.60    |
| 11910525 005 | <b>835-600</b>   | Stroke 55 | Bronzed   | 4        | 7.89    |
| 11910530 005 | <b>835-800</b>  | Stroke 55 | Bronzed   | 4        | 10.50   |



# 835

Heavy vertical bolt  
Verrou vertical lourd  
Vertikaler Stossriegel gross

| Code         | Art.       | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|----------|---------|
| 12002505 005 | <b>837</b> |      | Bronzed   | 50       | 3.75    |



# 837

Strike for bolt art.835  
Gâche pour verrou art. 835  
Schliesskloben für  
Stossriegel Artikel 835

| Code         | Art.            | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------------|-----------|------------|----------|---------|
| 11911005 001 | <b>840-200</b>  | Stroke 28 | Galvanized | 10       | 3.02    |
| 11911010 001 | <b>840-300</b>  | Stroke 28 | Galvanized | 10       | 4.42    |
| 11911015 001 | <b>840-400</b>  | Stroke 28 | Galvanized | 10       | 5.80    |
| 11911020 001 | <b>840-500</b>  | Stroke 28 | Galvanized | 10       | 7.08    |
| 11911025 001 | <b>840-600</b>  | Stroke 28 | Galvanized | 10       | 8.46    |
| 11911045 001 | <b>840-1000</b> | Stroke 28 | Galvanized | 10       | 13.68   |



# 840

Bolt to be screwed  
Verrou à visser  
Gekröpfter Stossriegel  
zum Anschrauben

| Code         | Art.                                                                                                | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------------------------------------------------------------------------------------------------|-----------|------------|----------|---------|
| 11911505 001 | <b>840D-200</b>                                                                                     | Stroke 28 | Galvanized | 10       | 2.88    |
| 11911510 001 | <b>840D-300</b>                                                                                     | Stroke 28 | Galvanized | 10       | 4.27    |
| 11911515 001 | <b>840D-400</b>  | Stroke 28 | Galvanized | 10       | 5.50    |
| 11911520 001 | <b>840D-500</b>  | Stroke 28 | Galvanized | 10       | 7.00    |
| 11911525 001 | <b>840D-600</b>  | Stroke 28 | Galvanized | 10       | 8.38    |



# 840D

Bolt to be screwed  
Verrou à visser  
Stossriegel zum Anschrauben



## 852

Strike for bolt art.800  
Gâche pour verrou art. 800  
Schliesskloben für  
Stossriegel Artikel 800



| Code         | Art. | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------|------|------------|----------|---------|
| 12003005 001 | 852  |      | Galvanized | 50       | 1.00    |

## 855

Strike for bolt art.735  
Gâche pour verrou art. 735  
Schliesskloben für  
Stossriegel Artikel 735



| Code         | Art. | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------|------|------------|----------|---------|
| 12003505 001 | 855  |      | Galvanized | 50       | 1.45    |

## 857

Strike for bolt art.740  
Gâche pour verrou art. 740  
Schliesskloben für  
Stossriegel Artikel 740



| Code         | Art. | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|------|------|------------|----------|---------|
| 12004005 001 | 857  |      | Galvanized | 50       | 2.90    |

## 866

Shutter stop to be fixed, triangle shape,  
adjustable, double rubber pads  
Arrêt de vent à fixer double réglage  
court, double caoutchouc  
Fensterblendefeststeller mit doppelter  
Regelung zu befestigen, kurz, Doppelgummi



| Code         | Art.   | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|--------|------|-----------|----------|---------|
| 15700005 503 | 866-05 |      | RAL9005   | 20       | 4.90    |
| 15700010 503 | 866-10 |      | RAL9005   | 20       | 5.20    |

## 867

Shutter stop to be fixed, triangle shape,  
adjustable, double rubber pads  
Arrêt de vent à fixer double réglage  
court, double caoutchouc  
Fensterblendefeststeller mit doppelter  
Regelung zu befestigen, kurz, Doppelgummi



| Code         | Art.   | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|--------|------|-----------|----------|---------|
| 15700015 503 | 867-05 |      | RAL9005   | 20       | 5.70    |

## 868

Shutter stop to be fixed, double  
adjustment, short, double rubber pads  
Arrêt de vent à fixer double réglage  
court, double caoutchouc  
Fensterblendefeststeller mit doppelter  
Regelung zu befestigen, kurz, Doppelgummi



| Code         | Art.   | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|--------|------|-----------|----------|---------|
| 15700020 503 | 868-05 |      | RAL9005   | 20       | 5.40    |
| 15700025 503 | 868-15 |      | RAL9005   | 20       | 6.00    |



| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700030 503 | <b>869-05</b> |      | RAL9005   | 20       | 6.30    |
| 15700035 503 | <b>869-15</b> |      | RAL9005   | 20       | 6.40    |



# 869

Shutter stop to be fixed, double adjustment, long, double rubber pads  
Arrêt de vent à fixer double réglage long, double caoutchouc  
Fensterblende-feststeller, mit doppelter Regelung zu befestigen lang, Doppelgummi

| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700040 503 | <b>871-05</b> |      | RAL9005   | 20       | 4.50    |
| 15700045 503 | <b>871-10</b> |      | RAL9005   | 20       | 4.80    |



# 871

"Ometto" shutter stop to be fixed, adjustable, short  
Arrêt de vent à fixer réglable "Ometto" court  
Fensterblende-feststeller einstellbar zu befestigen, "Ometto" kurz

| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700050 503 | <b>873-05</b> |      | RAL9005   | 20       | 4.25    |
| 15700055 503 | <b>873-10</b> |      | RAL9005   | 20       | 4.55    |



# 873

"Pigna" shutter stop to be fixed, adjustable  
Arrêt de vent à fixer réglable "Pigna"  
Fensterblende-feststeller einstellbar zu befestigen "Pigna"

| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700060 503 | <b>874-05</b> |      | RAL9005   | 20       | 2.00    |



# 874

Snap locking plastic shutter stop  
Arrêt de vent à enclenchement  
Auslösender Fensterblende-feststeller

| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700065 503 | <b>875-05</b> |      | RAL9005   | 20       | 10.00   |
| 15700070 503 | <b>875-10</b> |      | RAL9005   | 20       | 13.00   |



# 875

Shutter stop  
Arrêt de vent  
Fensterladen

| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700075 503 | <b>876-05</b> |      | RAL9005   | 20       | 3.60    |



# 876-05

Roller shutter stop  
Arrêt de vent  
Balkenfensterladen-feststeller

## 876-10

Shim for Roller shutter stop  
Épaisseur pour arrêt de vent  
Distanzstück für  
Balkonfensterladenfeststeller



| Code         | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|---------------|------|-----------|----------|---------|
| 15700080 503 | <b>876-10</b> |      | RAL9005   | 20       | 0.20    |

## 877

Magnetic shutter stop kit  
Kit bloque-volet magnétique  
Garnitur Jalousiehalter mit Magnet



| Code         | Art.       | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|----------|---------|
| 15700085 503 | <b>877</b> |      | RAL9005   | 12       | 5.50    |

## 877S

Shim for magnetic shutter stop  
Épaisseur pour bloque-volet magnétique  
Distanzstück für magnetischen  
Jalousiehalter



| Code         | Art.        | Size | Finishing | Pcs/pack | Kg/pack |
|--------------|-------------|------|-----------|----------|---------|
| 15700090 503 | <b>877S</b> |      | RAL9005   | 100      | 0.50    |

## 878

Brass covering hole  
Bouchon en laiton  
Messingbolzen



| Code     | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|----------|---------|
| 15800005 | <b>878-06</b> |      | Brass     | 100      | 1.10    |
| 15800010 | <b>878-08</b> |      | Brass     | 100      | 1.20    |
| 15800015 | <b>878-10</b> |      | Brass     | 100      | 1.70    |
| 15800020 | <b>878-12</b> |      | Brass     | 100      | 1.90    |
| 15800025 | <b>878-14</b> |      | Brass     | 100      | 2.50    |
| 15800030 | <b>878-16</b> |      | Brass     | 50       | 1.50    |
| 15800035 | <b>878-18</b> |      | Brass     | 50       | 1.20    |
| 15800040 | <b>878-20</b> |      | Brass     | 50       | 1.30    |
| 15800045 | <b>878-22</b> |      | Brass     | 50       | 1.50    |

## 879

Anti-dust well in brass  
with return spring  
Bouchon antipoussière en laiton  
avec ressort de retour  
Staubbolzen aus Messing  
mit Rückholfeder



| Code     | Art.          | Size | Finishing | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|----------|---------|
| 15800505 | <b>879-06</b> |      | Brass     | 100      | 1.10    |
| 15800510 | <b>879-08</b> |      | Brass     | 100      | 1.20    |
| 15800515 | <b>879-10</b> |      | Brass     | 100      | 1.70    |
| 15800520 | <b>879-12</b> |      | Brass     | 100      | 1.90    |
| 15800525 | <b>879-14</b> |      | Brass     | 100      | 2.50    |
| 15800530 | <b>879-16</b> |      | Brass     | 50       | 1.50    |
| 15800535 | <b>879-18</b> |      | Brass     | 50       | 1.20    |
| 15800540 | <b>879-20</b> |      | Brass     | 50       | 1.30    |
| 15800545 | <b>879-22</b> |      | Brass     | 50       | 1.50    |





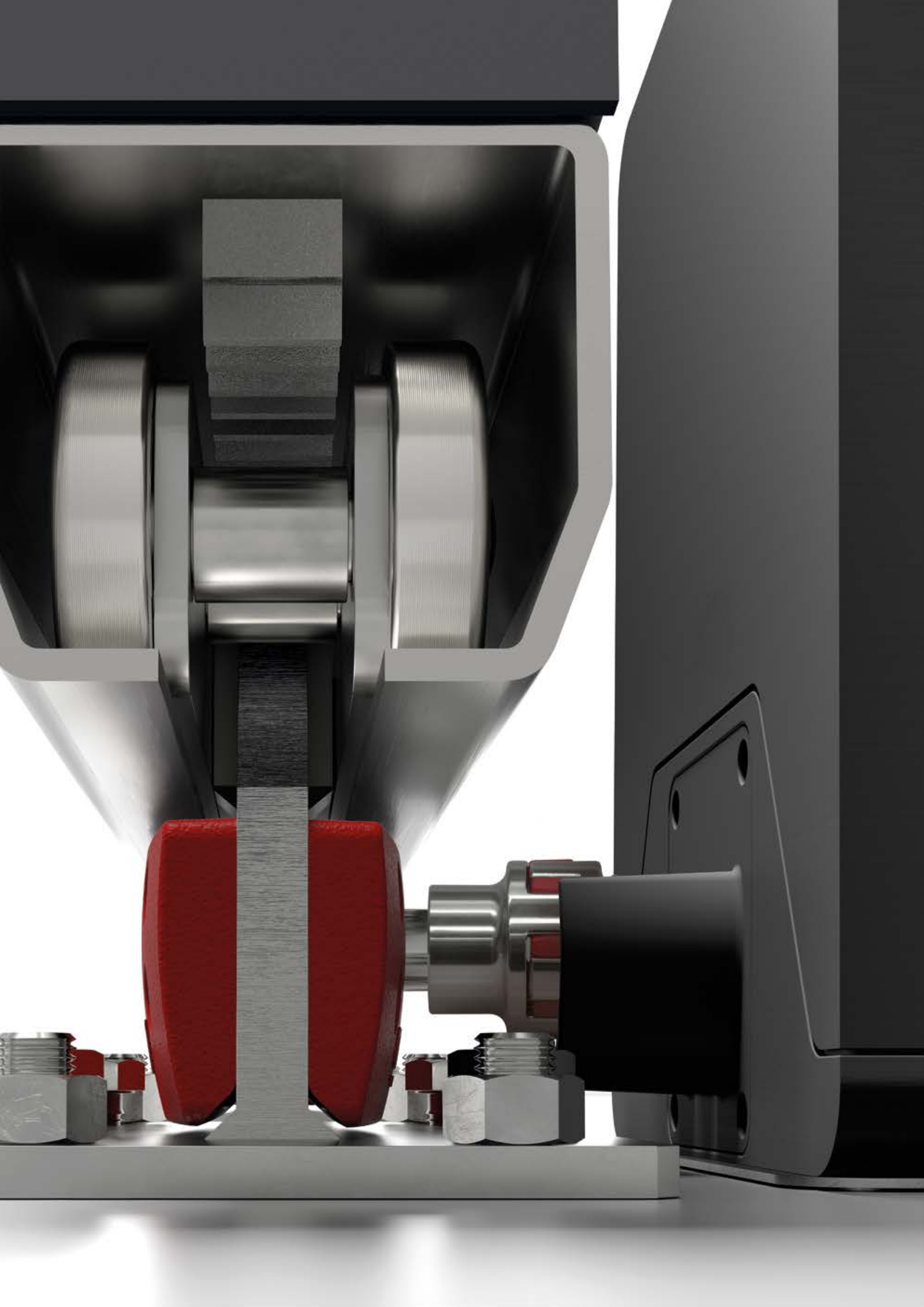
# The Integrator

PATENT  
PENDING

The all new cantilever system  
with integrated transmission  
gears and protected internal rack.  
Totally compatible with Comunello  
cantilever systems.  
Available on demand any-brand  
automation adapter.









NEW

## CGS-500.8 M

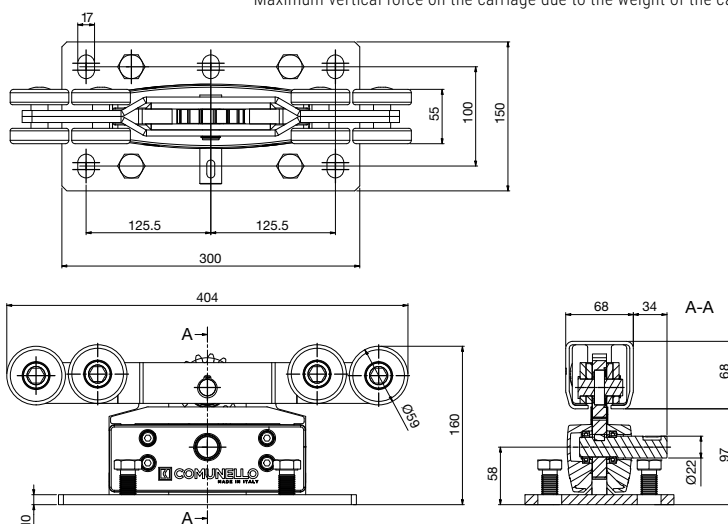
Integrator kit, Mini version - Master & Slave  
 Kit système Integrator, version Mini - Master & Slave  
 Kit Integrator, Mini Ausführung - Master & Slave

PATENT PENDING



| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10131500 001 | CGS-500.8 M | Mini | Galvanized | 1200 *      | 1        | 21,50   |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



NEW

## CGS-500.8 P

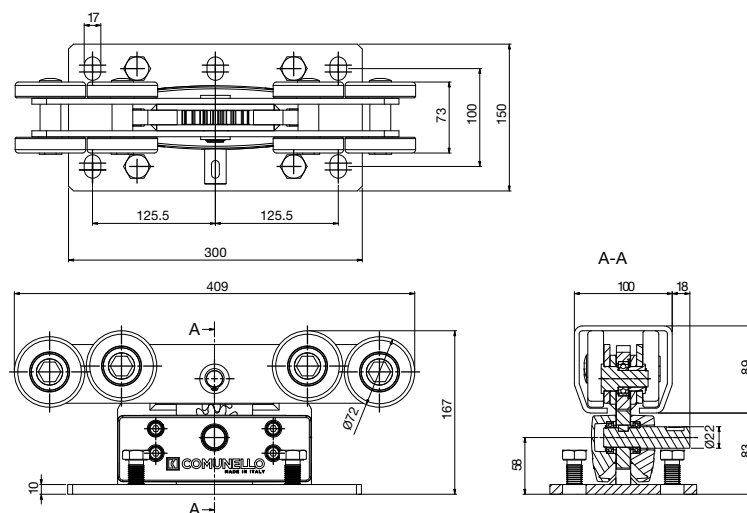
Integrator kit, Piccolo version - Master & Slave  
 Kit système Integrator, version Piccolo - Master & Slave  
 Kit Integrator, Piccolo Ausführung - Master & Slave

PATENT PENDING



| Code         | Art.        | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|---------|------------|-------------|----------|---------|
| 10131501 001 | CGS-500.8 P | Piccolo | Galvanized | 2000 *      | 1        | 26,50   |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



NEW

## CGS-500.8 G

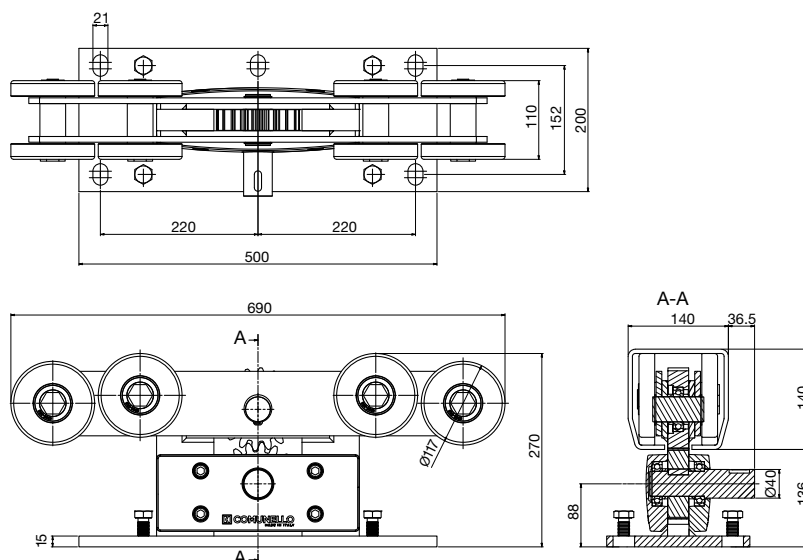
Integrator kit, Grande version - Master & Slave  
 Kit système Integrator, version Grande - Master & Slave  
 Kit Integrator, Grande Ausführung - Master & Slave

PATENT PENDING



| Code         | Art.        | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|--------|------------|-------------|----------|---------|
| 10131502 001 | CGS-500.8 G | Grande | Galvanized | 4000 *      | 1        | 97,00   |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



**NEW**

| Code         | Art.         | Size           | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------|----------------|------------|----------|---------|
| 10131600 001 | <b>CG-58</b> | Mini - Piccolo | Galvanized | 1        | 0,40    |



To automate the Mini and Piccolo Integrator system with Comunello actuators (Fort 400/500/600/800/1000/1500) see item "Electromechanical limit switch" AC-206 in the Comunello Automation division. On demand available adapters for any brand of actuator.


**CG-58**

Automation adapter for Integrator kit, Mini and Piccolo version / Ranger  
Adaptateur d'automatisation pour kit de Integrator, version Mini et Piccolo / Ranger  
Automatisierung Adapter für Integrator Kits, Mini und Piccolo Ausführung / Ranger

**NEW**

| Code         | Art.           | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|--------|------------|----------|---------|
| 10131601 001 | <b>CG-58 G</b> | Grande | Galvanized | 1        | 2,70    |



To automate the Grande Integrator system with Comunello actuators (Fort 2500/3500) see item "Electromechanical limit switch" AC-207 in the Comunello Automation division. On demand available adapters for any brand of actuator.


**CG-58G**

Automation adapter for Integrator kit, Grande version  
Adaptateur d'automatisation pour kit de Integrator, version Grande / Ranger  
Automatisierung Adapter für Integrator Kits, Grande Ausführung / Ranger

**NEW**

| Code         | Art.           | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|----------|---------|
| 11400410 001 | <b>CG-50 M</b> | Mini | Galvanized | 1        | 2,00    |


**CG-50 M**

Rack kit M4 - 15 x 15 x 1500 with fixing screws  
Kit de crémaillère M4 15 x 15 x 1500 avec vis de fixation  
Zahnstange Kit M4 15 x 15 x 1500 mit Befestigungsschrauben

**NEW**

| Code         | Art.           | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|----------|---------|
| 11400411 001 | <b>CG-50 P</b> | Piccolo | Galvanized | 1        | 4,60    |


**CG-50 P**

Rack kit M4 22 x 22 x 1500 with fixing screws  
Kit de crémaillère M4 22 x 22 x 1500 avec vis de fixation  
Zahnstange Kit M4 22 x 22 x 1500 mit Befestigungsschrauben

**NEW**

| Code         | Art.           | Size   | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|--------|------------|----------|---------|
| 11400412 001 | <b>CG-50 G</b> | Grande | Galvanized | 1        | 5,60    |


**CG-50 G**

Rack kit M6 - 30 x 30 x 1000 with fixing screws  
Kit de crémaillère M6 30 x 30 x 1000 avec vis de fixation  
Zahnstange Kit M6 30 x 30 x 1000 mit Befestigungsschrauben

**NEW**

| Code         | Art.           | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|----------|---------|
| 10131103 001 | <b>CG-55 M</b> | Mini    | Galvanized | 1 (pair) | 2,20    |
| 10131104 001 | <b>CG-55 P</b> | Piccolo | Galvanized | 1 (pair) | 2,70    |
| 10131105 001 | <b>CG-55 G</b> | Grande  | Galvanized | 1 (pair) | 4,20    |


**CG-55**

Rack centering device Kit for monorail  
Kit d'appareil centralisant pour monorail  
Zahnstange Befestigung Schablone  
Kit für Einschienebahn

# Bullet

PATENT  
PENDING

Taking cantilever gates to new levels of simplicity, these innovative mono carriages are the easiest and fastest to install ever.

A few simple steps to install:

- The distance between the wheel units can be adjusted to adapt the carriage to **different gate sizes.**
- A **single carriage** to align and fix for very rapid installation

 **COMUNELLO**  
MADE IN ITALY



NEW

## CGS-600.18

Adjustable cantilever carriage  
with 18 wheels, Bullet system  
Chariot autoportant adjustable  
avec 18 roues, système Bullet  
Einstellbar Laufwagen mit 18  
Rädern, Bullet System

PATENT PENDING

Since the capacity is influenced  
by weight and lenght , to know the  
capacities of different carrages,  
refer to the [technical sheets](#)



Bullet MINI



Bullet PICCOLO

| Code         | Art.                | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------------|---------|------------|----------|---------|
| 10130404 001 | <b>CGS-600.18 M</b> | Mini    | Galvanized | 1        | 29,00   |
| 10130405 001 | <b>CGS-600.18 P</b> | Piccolo | Galvanized | 1        | 54,50   |

NEW

## CGA-600.10

Adjustable cantilever carriage  
with 10 wheels, Bullet system,  
for aluminium gate  
Chariot autoportant adjustable  
avec 10 roues, système Bullet,  
pour portail en aluminium  
Einstellbar Laufwagen mit 10 Rädern,  
Bullet System für die Aluminum Serie

PATENT PENDING

Since the capacity is influenced  
by weight and lenght , to know the  
capacities of different carrages,  
refer to the [technical sheets](#)



Bullet MINI Aluminium



Bullet PICCOLO Aluminium

| Code         | Art.                | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------------------|---------|------------|----------|---------|
| 10130406 001 | <b>CGA-600.10 M</b> | Mini    | Galvanized | 1        | 27,00   |
| 10130407 001 | <b>CGA-600.10 P</b> | Piccolo | Galvanized | 1        | 49,00   |



| Code         | Art.           | Size    | Finishing  | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|----------|---------|
| 10131015 001 | <b>CG-06 M</b> | Mini    | Galvanized | 1        | 3,80    |
| 10131020 001 | <b>CG-06 P</b> | Piccolo | Galvanized | 1        | 5,20    |



**NEW**  
**CG-06**

Fixing plate for carriage, Bullet system  
Plaque de fixation pour chariot, système Bullet  
Klemmplatte für Laufwagen, Bullet System

| Code         | Art.         | Size      | Finishing  | Pcs/pack | Kg/pack |
|--------------|--------------|-----------|------------|----------|---------|
| 10130515 001 | <b>CG-65</b> | L=380 M16 | Galvanized | 6        | 0,75    |



**NEW**  
**CG-65**

Threaded tie rods for Mini and Piccolo carriages, Bullet system  
Tirants filetés pour chariots Mini et Piccolo, système Bullet  
Gewindestange für Mini und Piccolo Laufwagen, Bullet System

## Compatible Accessories

### Support for rack



ART.

264

266

### Tracks



ART.

CGS-345M

CGS-345P

CGA-345M

CGA-345P

### Racks



ART.

260-22x22

262-30x12

261-26x20

### End cup



ART.

CG-25M

CG-25P

CG-30M

CG-30P

CG-35P

### Bottom end cup



ART.

CGS-346M

CGS-346P

### Guide plates



ART.

CG-251

252-200

232-30

232-40

### Tension bar



ART.

CG-40

### Wall bracket



ART.

CG-15M

CG-15P

### End stopper for monorail



ART.

CGS-347M

CGS-347P

CGA-347M

CGA-347P

CG-20M

ART.

CG-20P

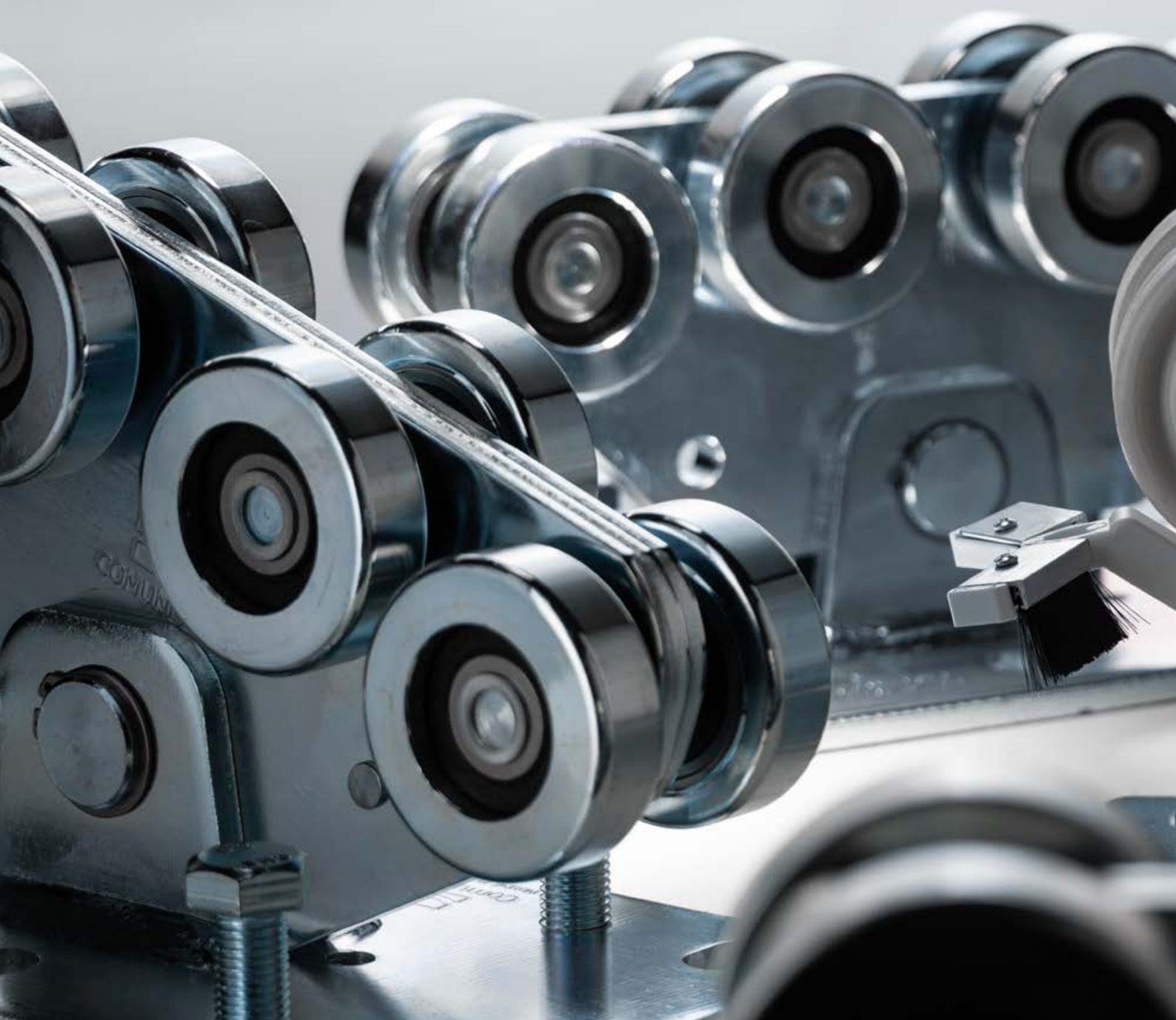
CGA-20M

CGA-20P

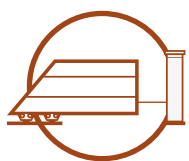
CG-21M

CG-21P





Life  
made  
easy



# Cantilever Gates Hardware

 **COMUNELLO****GATE**

## KIT CGA-150-300K

Kit for cantilever gates, weight up to 3 m and 300 kg  
 Kit pour portails autoportants jusqu'à 3m et 300 kilos de poids  
 Kit für selbsttragende Tore mit Gewicht bis 3m und 300 kg

| PATENTED                                                                          |                                                                                   |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|  |  |  |  |  |
| CGA 150.5M                                                                        | CGS 347M                                                                          | CGS 346M                                                                            | CGA 20M                                                                             |  |
| 2 mini                                                                            | 1                                                                                 | 1                                                                                   | 1                                                                                   |  |

## KIT CGA-150-600K

Kit for cantilever gates, weight up to 3 m and 600 kg  
 Kit pour portails autoportants jusqu'à 6m et 600 kilos de poids  
 Kit für selbsttragende Tore mit Gewicht bis 6m und 600 kg

| PATENTED                                                                          |                                                                                   |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|  |  |  |  |  |
| CGA 150.5P                                                                        | CGS 347P                                                                          | CGS 346P                                                                            | CGA 20P                                                                             |  |
| 2 piccolo                                                                         | 1                                                                                 | 1                                                                                   | 1                                                                                   |  |

## KIT CGS-150-300K

Kit for cantilever gates, weight up to 3 m and 300 kg  
 Kit pour portails autoportants jusqu'à 3m et 300 kilos de poids  
 Kit für selbsttragende Tore mit Gewicht bis 3m und 300 kg

| Code     | Art.                      | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |  |
|----------|---------------------------|------|------------|-------------|----------|---------|--|
| 19912326 | KIT CGS 150-300K BASIC 3M | Mini | Galvanized | 700 *       | 1        | 47.30   |  |
| 19912333 | KIT CGS 150-300K BASIC 6M | Mini | Galvanized | 700 *       | 1        | 46.80   |  |
| 19912330 | KIT CGS 150-300K TOP 3M   | Mini | Galvanized | 700 *       | 1        | 48.30   |  |
| 19912331 | KIT CGS 150-300K TOP 6M   | Mini | Galvanized | 700 *       | 1        | 48.30   |  |

| PATENTED              |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|                       |  |  |  |  |  |  |  |
|                       | CGS 150.5M                                                                          | CGS 347M                                                                            | CGS 346M                                                                            | 230                                                                                  | 255                                                                                   | CGS 245M                                                                              |  |
| KIT 150-300K TOP 6M   | 2 mini                                                                              | 1                                                                                   | 1                                                                                   |                                                                                      | 1 (220 / Ø30)                                                                         | 1 (6 m)                                                                               |  |
| KIT 150-300K TOP 3M   | 2 mini                                                                              | 1                                                                                   | 1                                                                                   |                                                                                      | 1 (220 / Ø30)                                                                         | 2 (3 m)                                                                               |  |
| KIT 150-300K BASIC 6M | 2 mini                                                                              | 1                                                                                   | 1                                                                                   | 4 x Ø30                                                                              |                                                                                       | 1 (6 m)                                                                               |  |
| KIT 150-300K BASIC 3M | 2 mini                                                                              | 1                                                                                   | 1                                                                                   | 4 x Ø30                                                                              |                                                                                       | 2 (3 m)                                                                               |  |

## KIT CGS-150-600K

Kit for cantilever gates, weight up to 3 m and 600 kg  
 Kit pour portails autoportants jusqu'à 6m et 600 kilos de poids  
 Kit für selbsttragende Tore mit Gewicht bis 6m und 600 kg

| Code     | Art.                      | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |  |
|----------|---------------------------|---------|------------|-------------|----------|---------|--|
| 19912324 | KIT CGS 150-600K BASIC 3M | Piccolo | Galvanized | 1300 *      | 1        | 127.74  |  |
| 19912334 | KIT CGS 150-600K BASIC 6M | Piccolo | Galvanized | 1300 *      | 1        | 163.17  |  |
| 19912325 | KIT CGS 150-600K TOP 3M   | Piccolo | Galvanized | 1300 *      | 1        | 132.44  |  |
| 19912332 | KIT CGS 150-600K TOP 6M   | Piccolo | Galvanized | 1300 *      | 1        | 168.00  |  |

| PATENTED              |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|                       |  |  |  |  |  |  |  |
|                       | CGS 150.5P                                                                          | CGS 347P                                                                            | CGS 346P                                                                            | 230                                                                                  | 255                                                                                   | CGS 245P                                                                              |  |
| KIT 150-600K TOP 6M   | 2 piccolo                                                                           | 1                                                                                   | 1                                                                                   |                                                                                      | 1 (350 / Ø40)                                                                         | 2 (6 m)                                                                               |  |
| KIT 150-600K TOP 3M   | 2 piccolo                                                                           | 1                                                                                   | 1                                                                                   |                                                                                      | 1 (350 / Ø40)                                                                         | 3 (3 m)                                                                               |  |
| KIT 150-600K BASIC 6M | 2 piccolo                                                                           | 1                                                                                   | 1                                                                                   | 4 x Ø40                                                                              |                                                                                       | 2 (6 m)                                                                               |  |
| KIT 150-600K BASIC 3M | 2 piccolo                                                                           | 1                                                                                   | 1                                                                                   | 4 x Ø40                                                                              |                                                                                       | 3 (3 m)                                                                               |  |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



| Code         | Art.              | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|---------|------------|-------------|----------|---------|
| 10130030 001 | <b>CGS-250.5M</b> | Mini    | Galvanized | 450 *       | 1        | 4.95    |
| 10130031 001 | <b>CGS-250.5P</b> | Piccolo | Galvanized | 750 *       | 1        | 10.55   |
| 10130032 001 | <b>CGS-250.5G</b> | Grande  | Galvanized | 1400 *      | 1        | 26.55   |



## CGS-250.5

**PATENTED**

5 wheels cantilever carriage for gates  
 Chariot autoportant 5 roues pour portails  
 5-rädriger Laufwagen für freitragende Tore

| Code         | Art.              | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|---------|------------|-------------|----------|---------|
| 10130003 001 | <b>CGS-250.8M</b> | Mini    | Galvanized | 950 *       | 1        | 5.04    |
| 10130007 001 | <b>CGS-250.8P</b> | Piccolo | Galvanized | 1550 *      | 1        | 11.80   |
| 10130012 001 | <b>CGS-250.8G</b> | Grande  | Galvanized | 2500 *      | 1        | 40.00   |



## CGS-250.8

8 wheels cantilever carriage for gates  
 Chariot autoportant 8 roues pour portails  
 8-rädriger Laufwagen für freitragende Tore

| Code         | Art.              | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|---------|------------|-------------|----------|---------|
| 10130001 001 | <b>CGS-350.5M</b> | Mini    | Galvanized | 600 *       | 1        | 5.24    |
| 10130005 001 | <b>CGS-350.5P</b> | Piccolo | Galvanized | 1000 *      | 1        | 10.95   |
| 10130010 001 | <b>CGS-350.5G</b> | Grande  | Galvanized | 2000 *      | 1        | 37.00   |



## CGS-350.5

5 wheels cantilever carriage for gates  
 Chariot autoportant 5 roues pour portails  
 5-rädriger Laufwagen für freitragende Tore

| Code         | Art.               | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|------|------------|-------------|----------|---------|
| 10130043 001 | <b>CGS-350.5XL</b> | XL   | Galvanized | 6500 *      | 1        | 69.00   |



## CGS-350.5XL

5 wheels cantilever carriage for gates  
 Chariot autoportant 5 roues pour portails  
 5-rädriger Laufwagen für freitragende Tore

| Code         | Art.              | Size    | Finishing            | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|---------|----------------------|-------------|----------|---------|
| 10130600 001 | <b>CGA-350.5M</b> | Mini    | Galvanized and nylon | 600 *       | 1        | 4.50    |
| 10130605 001 | <b>CGA-350.5P</b> | Piccolo | Galvanized and nylon | 1000 *      | 1        | 8.30    |



## CGA-350.5

5 nylon wheels cantilever carriage for gates  
 Chariot autoportant 5 roues en nylon pour portails  
 Laufwagen mit 5 Nylon-Rollen für freitragende Tore

| Code         | Art.              | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|---------|------------|-------------|----------|---------|
| 10130002 001 | <b>CGS-350.8M</b> | Mini    | Galvanized | 1200 *      | 1        | 6.50    |
| 10130006 001 | <b>CGS-350.8P</b> | Piccolo | Galvanized | 2000 *      | 1        | 12.00   |
| 10130011 001 | <b>CGS-350.8G</b> | Grande  | Galvanized | 4000 *      | 1        | 44.00   |



## CGS-350.8

8 wheels cantilever carriage for gates  
 Chariot autoportant 8 roues pour portails  
 8-rädriger Laufwagen für freitragende Tore

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate

## CGS-245

Monorail for cantilever gates  
 Rails pour portails autoportants  
 Einfachschiene für selbsttragende Tore



| Code         | Art.     | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------|--------|------------|-------------|----------|---------|
| 10207004     | CGS-245M | L=3000 | Raw        |             | 1        | 18.25   |
| 10207024     | CGS-245M | L=6000 | Raw        |             | 1        | 36.50   |
| 10207006     | CGS-245P | L=3000 | Raw        |             | 1        | 35.50   |
| 10207025     | CGS-245P | L=6000 | Raw        |             | 1        | 71.00   |
| 10207014     | CGS-245G | L=3000 | Raw        |             | 1        | 67.00   |
| 10207026     | CGS-245G | L=6000 | Raw        |             | 1        | 134.00  |
| 10207004 001 | CGS-245M | L=3000 | Galvanized |             | 1        | 18.25   |
| 10207024 001 | CGS-245M | L=6000 | Galvanized |             | 1        | 36.50   |
| 10207006 001 | CGS-245P | L=3000 | Galvanized |             | 1        | 35.50   |
| 10207025 001 | CGS-245P | L=6000 | Galvanized |             | 1        | 71.00   |
| 10207014 001 | CGS-245G | L=3000 | Galvanized |             | 1        | 67.00   |
| 10207026 001 | CGS-245G | L=6000 | Galvanized |             | 1        | 134.00  |

## CGA-345

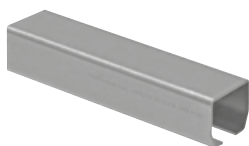
Monorail in extruded aluminium  
 for cantilever gates  
 Rail en aluminium extrudé  
 pour portails autoportants  
 Einfachschiene aus fließgepresstem  
 Aluminium für selbsttragende Tore



| Code     | Art.     | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|--------|-----------|-------------|----------|---------|
| 10208001 | CGA-345M | L=3000 | Aluminium |             | 1        | 12.00   |
| 10208003 | CGA-345M | L=6000 | Aluminium |             | 1        | 24.00   |
| 10208005 | CGA-345P | L=3000 | Raw       |             | 1        | 16.00   |
| 10208007 | CGA-345P | L=6000 | Raw       |             | 1        | 32.00   |

## CGS-345

Monorail for cantilever gates  
 Rails pour portails autoportants  
 Einfachschiene für selbsttragende Tore



| Code         | Art.     | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------|--------|------------|-------------|----------|---------|
| 10207001     | CGS-345M | L=3000 | Raw        |             | 1        | 18.25   |
| 10207002     | CGS-345M | L=6000 | Raw        |             | 1        | 36.50   |
| 10207005     | CGS-345P | L=3000 | Raw        |             | 1        | 35.00   |
| 10207007     | CGS-345P | L=6000 | Raw        |             | 1        | 70.00   |
| 10207020     | CGS-345G | L=3000 | Raw        |             | 1        | 67.00   |
| 10207022     | CGS-345G | L=6000 | Raw        |             | 1        | 134.00  |
| 10207001 001 | CGS-345M | L=3000 | Galvanized |             | 1        | 18.25   |
| 10207002 001 | CGS-345M | L=6000 | Galvanized |             | 1        | 36.50   |
| 10207005 001 | CGS-345P | L=3000 | Galvanized |             | 1        | 35.00   |
| 10207007 001 | CGS-345P | L=6000 | Galvanized |             | 1        | 70.00   |
| 10207020 001 | CGS-345G | L=3000 | Galvanized |             | 1        | 67.00   |
| 10207022 001 | CGS-345G | L=6000 | Galvanized |             | 1        | 134.00  |

## CGS-345XL

XL Monorail for cantilever gates  
 Rails XL pour portails autoportants  
 Einfachschiene XL für selbsttragende Tore



| Code     | Art.      | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------|--------|-----------|-------------|----------|---------|
| 10207032 | CGS-345XL | L=5800 | Raw       |             | 1        | 136.00  |



| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10131005 001 | <b>CG-05P</b> | Piccolo | Galvanized |             | 2        | 2.70    |
| 10131010 001 | <b>CG-05G</b> | Grande  | Galvanized |             | 2        | 6.00    |



## CG-05

Counter plate for carriages -small and large  
Contre-plaque pour chariots – petit e grand  
Gegenplatte für Laufwagen gross und klein

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10131100 001 | <b>CG-10</b> |      | Galvanized |             | 1        | 20.00   |



## CG-10

Alignment tie rods template and  
fixture of the carriages  
Calibre d'alignement des tirants  
et fixation chariots  
Lehre für die Aufreihung der Gewindestangen  
und für die Laufwagenbefestigung

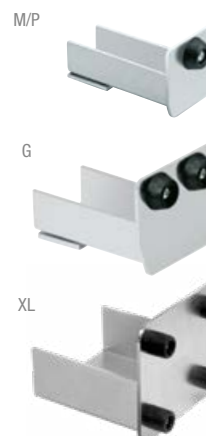
| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10708001 001 | <b>CG-15M</b> | Mini    | Galvanized |             | 1        | 2.60    |
| 10708005 001 | <b>CG-15P</b> | Piccolo | Galvanized |             | 1        | 2.90    |
| 10708010 001 | <b>CG-15G</b> | Grande  | Galvanized |             | 1        | 3.30    |



## CG-15

Adjustable wall mounting  
angle racket for end cup  
Platine angulaire réglable  
fixation au mur pour butée  
Verstellbare Eckmauerhalterung  
für Auflageschuh

| Code         | Art.           | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|-------------|----------|---------|
| 10707101 001 | <b>CG-20M</b>  | Mini    | Galvanized |             | 2        | 1.56    |
| 10707105 001 | <b>CG-20P</b>  | Piccolo | Galvanized |             | 2        | 2.29    |
| 10707110 001 | <b>CG-20G</b>  | Grande  | Galvanized |             | 2        | 3.88    |
| 10707135 001 | <b>CG-20XL</b> | XL      | Galvanized |             | 1        | 3.70    |



## CG-20

End stopper without  
wheel for monorail  
Embout d'extrémité  
sans galet pour rail  
Endpfropfen für  
Einfachschiene ohne Rad

| Code         | Art.           | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|---------|------------|-------------|----------|---------|
| 10707001 001 | <b>CGA-20M</b> | Mini    | Galvanized |             | 2        | 0.44    |
| 10707005 001 | <b>CGA-20P</b> | Piccolo | Galvanized |             | 2        | 0.52    |



## CGA-20

End stopper for aluminium monorail  
Embout d'extrémité pour  
rail en aluminium  
Endpfropfen für Einfachschiene  
aus Aluminium

| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10707115 001 | <b>CG-21M</b> | Mini    | Galvanized |             | 4        | 1.30    |
| 10707120 001 | <b>CG-21P</b> | Piccolo | Galvanized |             | 4        | 1.70    |
| 10707125 001 | <b>CG-21G</b> | Grande  | Galvanized |             | 4        | 4.90    |



## CG-21

End stopper without wheel for monorail  
Embout d'extrémité sans galet pour rail  
Endpfropfen für Einfachschiene ohne Rad

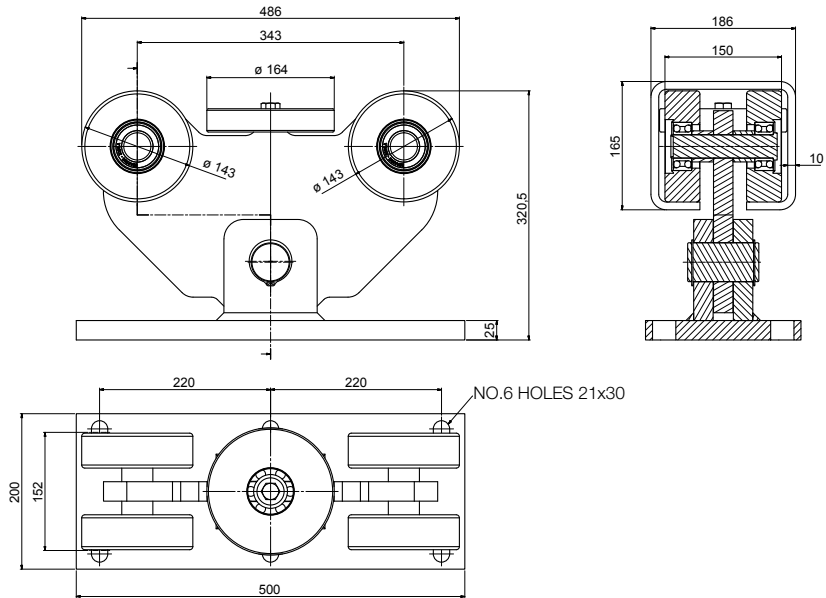


# CGS-350.5XL

5 wheels cantilever carriage for gates  
Chariot autoportant 5 roues pour portails  
5-rädriger Laufwagen für freitragende Tore

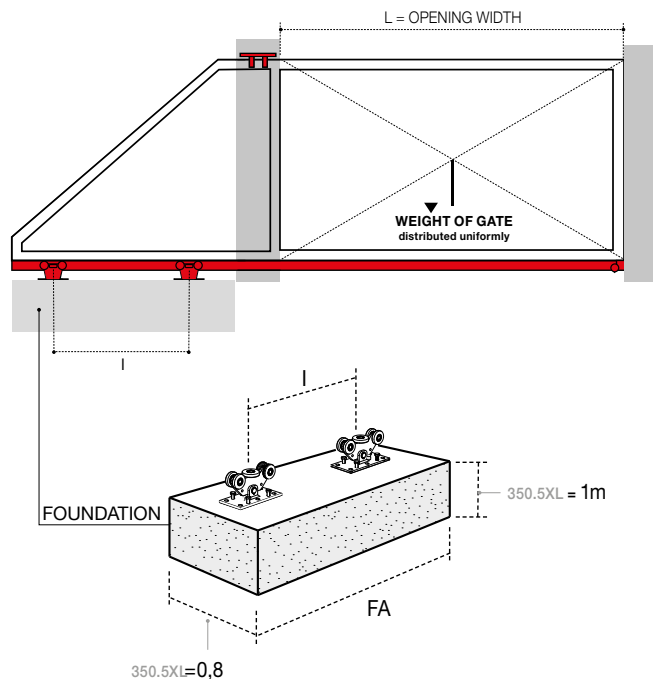
| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10130043 001 | CGS-350.5XL | XL   | Galvanized | *           | 1        | 69.00   |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



# 350 XL





### CGS-350.5XL (F1max = 6500 Kg)

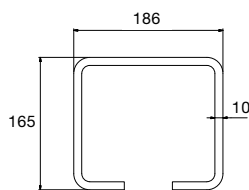
|             | L=10 m |       | L=12 m |       | L=15 m |       | L=20 m |       |
|-------------|--------|-------|--------|-------|--------|-------|--------|-------|
| Weight (Kg) | FA (m) | I (m) | FA (m) | I (m) | FA (m) | I (m) | FA (m) | I (m) |
| 1500        | 5,00   | 2,40  | 5,00   | 3,0   | 5,90   | 4,14  | 8,20   | 6,40  |
| 2000        | 5,20   | 3,40  | 6,10   | 4,3   | 7,64   | 5,84  | 10,9   | 9,10  |
| 2500        | 6,60   | 4,80  | 7,80   | 6,0   | 10,0   | 8,20  | 14,7   | 12,9  |
| 3000        | 8,40   | 6,6   | 10,2   | 8,40  | -      | -     | -      | -     |

| Code     | Art.      | Size   | Finishing | Pcs/pack | Kg/pack |
|----------|-----------|--------|-----------|----------|---------|
| 10207032 | CGS-345XL | L=5800 | Raw       | 1        | 136.00  |



## CGS-345XL

XL Monorail for cantilever gates  
Rails XL pour portails autoportants  
Einfachschiene XL für selbsttragende Tore



| Code         | Art.    | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|---------|------|------------|----------|---------|
| 10707135 001 | CG-20XL | XL   | Galvanized | 1        | 3.70    |



## CG-20XL

End stopper without wheel for monorail  
Embout d'extrémité sans galet pour rail  
Endpfropfen für Einfachschiene ohne Rad

| Code         | Art.      | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------|------|------------|----------|---------|
| 10705515 001 | CGS-346XL | XL   | Galvanized | 1        | 4.80    |



## CGS-346XL

Bottom end cup to be fixed  
Butée inférieure à fixer  
Unterauflageschuh zum Aufschrauben

| Code         | Art.      | Size | Finishing  | Pcs/pack | Kg/pack |
|--------------|-----------|------|------------|----------|---------|
| 10705015 001 | CGS-347XL | XL   | Galvanized | 1        | 7.10    |



## CGS-347XL

End wheel for monorail  
Galet d'extrémité pour rail  
Endrad für Einfachschiene

## CG-25

Lower end cup with nylon roller  
Butée inférieure avec rouleau en nylon  
Unterauflageschuh mit Nylonrolle



| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10707501 001 | <b>CG-25M</b> | Mini    | Galvanized |             | 2        | 1.64    |
| 10707505 001 | <b>CG-25P</b> | Piccolo | Galvanized |             | 2        | 2.52    |
| 10707510 001 | <b>CG-25G</b> | Grande  | Galvanized |             | 2        | 4.92    |

## CG-30

Adjustable end cup to be fixed for gates  
Butée réglable à fixer pour portails  
Verstellbarer Auflageschuh zum Aufschrauben für Tore



| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10707601 001 | <b>CG-30M</b> | Mini    | Galvanized |             | 1        | 1.51    |
| 10707605 001 | <b>CG-30P</b> | Piccolo | Galvanized |             | 1        | 1.89    |
| 10707610 001 | <b>CG-30G</b> | Grande  | Galvanized |             | 1        | 2.24    |

## CG-35

Intermediate support with nylon roller  
Support intermédiaire de soutien  
avec rouleau en nylon  
Mittlerer Stütze für selbsttragende Tore



| Code         | Art.          | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------|------------|-------------|----------|---------|
| 10707705 001 | <b>CG-35P</b> | Piccolo | Galvanized |             | 1        | 1.40    |
| 10707710 001 | <b>CG-35G</b> | Grande  | Galvanized |             | 1        | 3.10    |

## CG-40

Tension bar for gate regulation  
Tirants pour réglage portails  
Ankerbolzen zur Torregulierung



| Code         | Art.         | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|--------------|------------|-------------|----------|---------|
| 10131400 001 | <b>CG-40</b> | □ 60x60, d=3 | Galvanized |             | 1        | 1.30    |

## CG-251

Adjustable gate guide plate to  
be fixed with long wing  
Plaque guide portail réglable  
à fixer avec aile longue  
Verstellbare Torführungsplatte mit  
langem Flügel zum Aufschrauben



| Code         | Art.          | Size      | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|------------|-------------|----------|---------|
| 11310005 001 | <b>CG-251</b> | L=350 Ø40 | Galvanized |             | 1        | 6.70    |

## CG-252

Adjustable support against  
derailment for art. CG-254  
Support réglable anti-déraillement  
pour art. CG-354  
Verstellbares Lager gegen  
Entgleisung für CG-354



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11310100 001 | <b>CG-252</b> | Ø40  | Galvanized |             | 2        | 1.89    |



| Code         | Art.          | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|--------|------------|-------------|----------|---------|
| 10210150 001 | <b>CG-254</b> | L=3000 | Galvanized |             | 1        | 13.00   |



## CG-254

U channel for supports  
against derailment  
Caniveau à U pour supports  
anti-déraillement  
Gegen Entgleisung U-Einfachschiene

| Code         | Art.                                                                                               | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------------------------------------------------------------------------------------|------|------------|-------------|----------|---------|
| 11310300 001 | <b>CG-256-40</b>  |      | Galvanized |             | 2        | 0.80    |
| 11310301 001 | <b>CG-256-50</b>  |      | Galvanized |             | 2        | 1.70    |



## CG-256

Rubber roller for guiding gate  
Rouleau en caoutchouc guide-portail  
Torführungsrolle aus Schwarz Gummi

| Code         | Art.             | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|---------|------------|-------------|----------|---------|
| 10705501 001 | <b>CGS-346M</b>  | Mini    | Galvanized |             | 2        | 2.10    |
| 10705505 001 | <b>CGS-346P</b>  | Piccolo | Galvanized |             | 2        | 3.26    |
| 10705510 001 | <b>CGS-346G</b>  | Grande  | Galvanized |             | 2        | 7.37    |
| 10705515 001 | <b>CGS-346XL</b> | XL      | Galvanized |             | 1        | 4.80    |



## CGS-346

Bottom end cup to be fixed  
Butée inférieure à fixer  
Unterauflageschuh zum Aufschrauben

| Code         | Art.            | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|---------|------------|-------------|----------|---------|
| 10705200 001 | <b>CGA-347M</b> | Mini    | Galvanized |             | 2        | 2.00    |
| 10705205 001 | <b>CGA-347P</b> | Piccolo | Galvanized |             | 2        | 2.46    |



## CGA-347

Nylon end wheel for aluminium monorail  
Galet d'extrémité en nylon  
pour rail en aluminium  
Nylon-Endrolle für Einfachschiene  
aus Aluminium

| Code         | Art.             | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|---------|------------|-------------|----------|---------|
| 10705001 001 | <b>CGS-347M</b>  | Mini    | Galvanized |             | 2        | 1.80    |
| 10705005 001 | <b>CGS-347P</b>  | Piccolo | Galvanized |             | 2        | 3.42    |
| 10705010 001 | <b>CGS-347G</b>  | Grande  | Galvanized |             | 2        | 8.39    |
| 10705015 001 | <b>CGS-347XL</b> | XL      | Galvanized |             | 1        | 7.10    |



## CGS-347

End wheel for monorail  
Galet d'extrémité pour rail  
Endrad für Einfachschiene

| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 10130505 001 | <b>CG-348</b> | M16  | Galvanized |             | 12       | 8.32    |
| 10130510 001 | <b>CG-348</b> | M20  | Galvanized |             | 12       | 13.21   |



## CG-348

Threaded tie rods for carriages  
CGS 350 and CGS 350.8  
Tirant fileté pour chariots  
CGS 350 et CGS 350.8  
Gewindestange für Laufwagen  
CGS 350 und CGS 350.8



Life  
made  
easy





# Folding Doors accessories

 **COMUNELLO****GATE**



## 239

Door leaf stopper  
Embout d'amortissage vantaux  
Stossdämpfer für Türe



| Code     | Art.       | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|------|-----------|-------------|----------|---------|
| 10700405 | <b>239</b> |      | Black     |             | 10       | 0.55    |

## 246

End-stopper for guides art. 398/399  
Butee de fin de course pour  
rails art. 398/399  
Letzter Türflügel für  
Laufschienen art. 398/399



| Code         | Art.       | Size             | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------------------|------------|-------------|----------|---------|
| 10701705 001 | <b>246</b> | For Art. 398/399 | Galvanized |             | 4        | 1.35    |

## 248

Guide for sliding doors  
Guide pour portails coulissants  
Führung für Schiebetüren



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 11307500 001 | <b>248-60</b> | Ø60  | Galvanized |             | 4        | 2.20    |
| 11307501 001 | <b>248-70</b> | Ø70  | Galvanized |             | 4        | 1.80    |
| 11307505 001 | <b>248-80</b> | Ø80  | Galvanized |             | 4        | 2.07    |

## 249-30

Adjustable switcher for side folding  
Deviateur réglable pour  
portail pliable lateral  
Regulierbarer Ablenker für  
seitliche Paket-Lagerung



| Code         | Art.          | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|------|------------|-------------|----------|---------|
| 10401505 001 | <b>249-30</b> |      | Galvanized |             | 4        | 3.78    |

## 270

Flush-mounted handle  
Poignée à encaisser  
Muschelgriff



| Code         | Art.         | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|---------|------------|-------------|----------|---------|
| 10902005 001 | <b>270 P</b> | Piccolo | Galvanized |             | 30       | 2,46    |
| 10902010 001 | <b>270 G</b> | Grande  | Galvanized |             | 30       | 7,29    |

## 272

Flush-mounted handle with lever  
Poignée à encaisser avec levier  
Muschelgriff mit Triebriegel



| Code         | Art.         | Size   | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|--------|------------|-------------|----------|---------|
| 10903005 001 | <b>272 G</b> | Grande | Galvanized |             | 30       | 11,40   |



| Code         | Art.         | Size            | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-----------------|------------|-------------|----------|---------|
| 10602505 001 | <b>352 P</b> | Piccolo per 399 | Galvanized |             | 4        | 7.81    |
| 10602510 001 | <b>352 G</b> | Grande per 398  | Galvanized |             | 4        | 11.71   |



# 352

Guide connection  
Jonction rail  
Verbindungsstück Laufschiene

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10603006 001 | <b>354-185</b> | 185  | Galvanized | 130         | 2        | 2.80    |



# 354-185

Adjustable wall rod 185 mm.  
Support réglable au mur mm. 185  
Regulierbarer Wandbügel 185 mm.

| Code         | Art.           | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------|------|------------|-------------|----------|---------|
| 10603011 001 | <b>354-330</b> | 330  | Galvanized | 130         | 2        | 4.80    |



# 354-330

Adjustable wall rod 330 mm.  
Support réglable au mur mm. 330  
Regulierbarer Wandbügel 330 mm

| Code         | Art.         | Size    | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|---------|------------|-------------|----------|---------|
| 10603007 001 | <b>355 P</b> | Piccolo | Galvanized | 150         | 2        | 2.60    |
| 10603012 001 | <b>355 G</b> | Grande  | Galvanized | 200         | 2        | 3.30    |



# 355

Adjustable guide support  
Support guide réglable  
Regulierbarer Ablenker führung

| Code         | Art.         | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|------|------------|-------------|----------|---------|
| 10603013 001 | <b>355 S</b> |      | Galvanized | 200         | 4        | 2.10    |



# 355 S

Adjustable switcher to be welded  
Deviateur réglable à souder  
Regulierbarer Ablenker zum Schweißen

| Code         | Art.         | Size                                                                                        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|---------------------------------------------------------------------------------------------|------------|-------------|----------|---------|
| 10604005 001 | <b>356 P</b> |  Piccolo | Galvanized | 150         | 2        | 4.11    |



# 356

Adjustable switcher  
Deviateur réglable au mur  
Regulierbarer Ablenker

## 358

Lower guide to be cemented,  
length 6 meters  
Guide inférieure à sceller de m. 6,00  
Untere Schiene zum  
Einzementieren, Länge 6 m



| Code         | Art.       | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------|------------|-------------|----------|---------|
| 10202010 001 | <b>358</b> | L6000 | Galvanized |             | 1        | 21.30   |

## 361

Aluminium floor strike plate  
Butoir au sol en aluminium  
Bodenaufschuh aus Aluminium



| Code     | Art.         | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|---------|-----------|-------------|----------|---------|
| 10702505 | <b>361 P</b> | Piccolo | Raw       |             | 2        | 1.24    |
| 10702510 | <b>361 G</b> | Grande  | Raw       |             | 2        | 1.23    |

## 362

Step for intermediate ante in aluminium  
Butee pour vantaux  
intermediaires en aluminium  
Stütze für mittleren Türflügel  
aus Aluminium



| Code     | Art.       | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|------|-----------|-------------|----------|---------|
| 10702611 | <b>362</b> |      | Raw       |             | 2        | 1.20    |

## 363

Aluminium floor strike plate  
Guidage au sol en aluminium  
Bodenaufschuh aus Aluminium



| Code     | Art.       | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|------|-----------|-------------|----------|---------|
| 10702705 | <b>363</b> |      | Raw       |             | 2        | 2.50    |

## 364

Adjustable aluminium floor strike plate  
Butoir au sol en aluminium réglable  
Bodenaufschuh aus  
Aluminium regulierbar



| Code     | Art.       | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|--------|-----------|-------------|----------|---------|
| 10702405 | <b>364</b> | D18-43 | Raw       |             | 2        | 1.40    |

## 365

Floor strike plate for rods  
Butoir pour tringles  
Aufschuh für Stangen



| Code         | Art.       | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|------------|-------------|----------|---------|
| 10702905 001 | <b>365</b> |      | Galvanized |             | 10       | 1.90    |



| Code     | Art.          | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|------|-----------|-------------|----------|---------|
| 10702220 | <b>366-42</b> | S42  | Black     |             | 2        | 1.45    |



# 366

Floor strike plate for panic exit device  
Butoir au sol pour fermeture antipanique  
Bodenaufaufschuh für Antipaniktür

| Code     | Art.         | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|------|-----------|-------------|----------|---------|
| 10702310 | <b>367 A</b> |      | Black     |             | 2        | 0.60    |



# 367

Black nylon floor strike plate, with steel reinforcement  
Butoir au sol en nylon noir, avec renfort en acier  
Bodenaufaufschuh aus schwarzem Nylon mit Verstärkung aus Stahl

| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 10113007 001 | <b>375 P/16</b> | For M16 pin | Galvanized | 400         | 4        | 3.20    |
| 10113006 001 | <b>375 P/20</b> | For M20 pin | Galvanized | 400         | 4        | 3.20    |



# 375 P

Small steel trolley with four wheels  
Chariot petit à 4 galets en acier  
Rollenapparat klein mit 4 Stahlrollen

| Code         | Art.         | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-------------|------------|-------------|----------|---------|
| 10113010 001 | <b>375 G</b> | For M20 pin | Galvanized | 800         | 4        | 9.20    |



# 375 G

Large steel trolley with four wheels for pin, 20 mm.  
Chariot grand à 4 galets en acier pour pivot de mm. 20  
Rollenapparat gross mit 4 Stahlrollen

| Code         | Art.            | Size        | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|-------------|------------|-------------|----------|---------|
| 10113402 001 | <b>376 P/16</b> | For M16 pin | Galvanized | 400         | 4        | 2.08    |
| 10113401 001 | <b>376 P/20</b> | For M20 pin | Galvanized | 400         | 4        | 2.08    |



# 376 P

Small nylon trolley with four wheels  
Chariot petit à 4 galets en nylon  
Rollenapparat klein mit 4 Nylonrollen

| Code         | Art.             | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------|------------|-------------|----------|---------|
| 10118550 001 | <b>377 P</b>     | M16  | Galvanized | 400         | 4        | 1.56    |
| 10118535 001 | <b>377 G/290</b> | M20  | Galvanized | 800         | 4        | 3.08    |
| 10118535 003 | <b>377 G/290</b> | M20  | Black      | 800         | 4        | 3.08    |
| 10118540 001 | <b>377 G/330</b> | M20  | Galvanized | 800         | 4        | 3.52    |
| 10118540 003 | <b>377 G/330</b> | M20  | Black      | 800         | 4        | 3.52    |



# 377

Upper pin for trolleys  
Pivot supérieur pour chariots  
Oberer Bolzen für Rollenapparate

## 377 R

Lowered upper pin  
Pivot supérieur surbaisse  
Oberer Bolzen herabgesenkt



| Code         | Art.             | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------|------------|-------------|----------|---------|
| 10118530 001 | <b>377 R/330</b> | M16  | Galvanized | 400         | 4        | 3.60    |
| 10118530 003 | <b>377 R/330</b> | M16  | Black      | 400         | 4        | 3.60    |

## 377 G-SC

Galvanized upper pin for sliding doors  
Pivot supérieur pour portail coulissant zingué  
Oberer Bolzen für Schiebetüren verzinkt



| Code         | Art.                                                                                               | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|----------------------------------------------------------------------------------------------------|------|------------|-------------|----------|---------|
| 10118701 001 | <b>377 G-SC</b>  | M16  | Galvanized | 400         | 4        | 1.40    |

## 378

Adjustable lower pin  
Pivot inférieur réglable  
Unterer Bolzen regulierbar



| Code         | Art.                                                                                            | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------------------------------------------------------------------------------------|------|------------|-------------|----------|---------|
| 10310505 001 | <b>378 P</b>                                                                                    |      | Galvanized |             | 4        | 0.85    |
| 10310510 001 | <b>378 G</b>  |      | Galvanized |             | 4        | 1.80    |

## 379

Adjustable lower pin with bearing  
Pivot inférieur réglable avec roulement  
Unterer Bolzen mit Kugellager regulierbar



| Code         | Art.                                                                                              | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------------------------------------------------------------------------------------|------|------------|-------------|----------|---------|
| 10311005 001 | <b>379 P</b>  | M16  | Galvanized |             | 4        | 1.05    |
| 10311008 001 | <b>379 G/135</b>                                                                                  | M20  | Galvanized |             | 4        | 1.52    |
| 10311008 003 | <b>379 G/135</b>                                                                                  | M20  | Black      |             | 4        | 1.52    |
| 10311010 001 | <b>379 G/200</b>                                                                                  | M20  | Galvanized |             | 4        | 2.23    |
| 10311010 003 | <b>379 G/200</b>                                                                                  | M20  | Black      |             | 4        | 2.23    |

## RG-387

"U" profile for side folding switchers  
Profil en "u" pour deviateurs pour portail pliable latéral  
U-Profil für Ablenker für seitliche Paket-Lagerung



| Code         | Art.             | Size       | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|------------|------------|-------------|----------|---------|
| 10210105 001 | <b>RG-387.3M</b> | 35X35 d. 2 | Galvanized |             | 1        | 4,70    |
| 10210101 001 | <b>RG-387.6M</b> | 35X35 d. 2 | Galvanized |             | 1        | 9,40    |

## 388

Reversible jib for 4-leaf side folding  
Penture réversible pour portail pliable latéral 4 vantaux  
Reversible schwenkplatte für seitliche paket-lagerung bei 4 türen



| Code         | Art.       | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|------|-----------|-------------|----------|---------|
| 10210010 503 | <b>388</b> |      | Black     |             | 1        | 12.50   |



| Code         | Art.          | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-------------|-----------|-------------|----------|---------|
| 10118350 503 | <b>395 DX</b> | For M20 pin | Black     |             | 4        | 2.30    |
| 10118360 503 | <b>395 SX</b> | For M20 pin | Black     |             | 4        | 2.30    |



## 395 DX-SX

Die-cast aluminium trolley  
with three wheels  
Chariot en aluminium moule a 3 galets  
Rollenapparat aus Alu-  
druckguss mit 3 Rollen

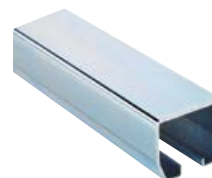
| Code         | Art.       | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------|-------------|-----------|-------------|----------|---------|
| 10118305 503 | <b>396</b> | For M20 pin | Black     | 280         | 4        | 3.60    |



## 396

Reversible aluminium trolley  
with three wheels  
Chariot reversible en  
aluminium a 3 galets  
Reversibler Rollenapparat aus  
Aluminium mit 3 Rollen

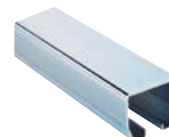
| Code         | Art.            | Size         | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|--------------|------------|-------------|----------|---------|
| 10203011 001 | <b>398-3000</b> | Grande L3000 | Galvanized |             | 1        | 30.35   |
| 10203012 001 | <b>398-6000</b> | Grande L6000 | Galvanized |             | 1        | 60.70   |



## 398

Large galvanized upper guide  
for trolleys with four wheels  
Rail superieur pour chariots  
4 galets grands zingues  
Obere Laufschiene für Rollenapparate  
mit 4 Rollen gross verzinkt

| Code         | Art.            | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-----------------|---------------|------------|-------------|----------|---------|
| 10203006 001 | <b>399-3000</b> | Piccola L3000 | Galvanized |             | 1        | 16.65   |
| 10203008 001 | <b>399-5500</b> | Piccola L5500 | Galvanized |             | 1        | 30.40   |
| 10203007 001 | <b>399-6000</b> | Piccola L6000 | Galvanized |             | 1        | 33.30   |



## 399

Small galvanized upper guide  
for trolleys with four wheels  
Rail superieur pour chariots  
4 galets petite zingues  
Obere Laufschiene für Rollenapparate  
mit 4 Rollen klein verzinkt

| Code         | Art.         | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-----------|-----------|-------------|----------|---------|
| 11000400 503 | <b>671 P</b> | L=215 ø15 | Ral 9005  |             | 10       | 6,40    |
| 11000401 503 | <b>671 G</b> | L=265 ø15 | Ral 9005  |             | 10       | 7,10    |



## 671

Bended pull handle dia.15mm  
Poignée courbée dia.15mm  
Gebogener Stosgriff Durchm.15 mm



## 690 MC

Small star lever bolt  
Cremone star petite  
Treibriegel star klein



| Code         | Art.             | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|---------------|------------|-------------|----------|---------|
| 11205006 503 | <b>690 MC DX</b> | Rod 25X10 C31 | Black      |             | 2        | 1.90    |
| 11205006 001 | <b>690 MC DX</b> | Rod 25X10 C31 | Galvanized |             | 2        | 1.90    |
| 11205011 503 | <b>690 MC SX</b> | Rod 25X10 C31 | Black      |             | 2        | 1.83    |
| 11205011 001 | <b>690 MC SX</b> | Rod 25X10 C31 | Galvanized |             | 2        | 1.83    |

## 691 P

Rod guide 25x10  
Traversant pour tringles 25x10  
Lasche für Stangen 25x10



| Code         | Art.         | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-------|------------|-------------|----------|---------|
| 12001105 503 | <b>691 P</b> | 25X10 | Black      |             | 50       | 2.70    |
| 12001105 001 | <b>691 P</b> | 25X10 | Galvanized |             | 50       | 2.80    |

## 691 G

Rod guide for 30 x 10 rod  
Traversant pour tringle 30x10  
Führungsaufnahme für  
Verbindungsstange 30x10



| Code         | Art.         | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-------|------------|-------------|----------|---------|
| 12001505 503 | <b>691 G</b> | 30X10 | Black      |             | 50       | 7.10    |
| 12001505 001 | <b>691 G</b> | 30X10 | Galvanized |             | 50       | 7.10    |

## 692 P

Connection rod 25x10  
Tringle de jonction 25x10  
Verbindungsstange 25x10



| Code         | Art.              | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|-------|------------|-------------|----------|---------|
| 10203503 003 | <b>692 P/1200</b> | 25X10 | Black      |             | 1        | 2.34    |
| 10203503 001 | <b>692 P/1200</b> | 25X10 | Galvanized |             | 1        | 2.34    |
| 10203515 003 | <b>692 P/3000</b> | 25X10 | Black      |             | 1        | 5.88    |
| 10203515 001 | <b>692 P/3000</b> | 25X10 | Galvanized |             | 1        | 5.88    |
| 10203504 003 | <b>692 P/4800</b> | 25X10 | Black      |             | 1        | 9.50    |
| 10203504 001 | <b>692 P/4800</b> | 25X10 | Galvanized |             | 1        | 9.50    |

## 692 G

Connection rod 30x10  
Tringle de jonction 30x10  
Verbindungsstange 30x10



| Code         | Art.              | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|-------|------------|-------------|----------|---------|
| 10203518 003 | <b>692 G/1200</b> | 30X10 | Black      |             | 1        | 2.80    |
| 10203518 001 | <b>692 G/1200</b> | 30X10 | Galvanized |             | 1        | 2.80    |
| 10203530 003 | <b>692 G/3000</b> | 30X10 | Black      |             | 1        | 7.00    |
| 10203530 001 | <b>692 G/3000</b> | 30X10 | Galvanized |             | 1        | 7.00    |
| 10203540 003 | <b>692 G/4800</b> | 30X10 | Black      |             | 1        | 11.30   |
| 10203540 001 | <b>692 G/4800</b> | 30X10 | Galvanized |             | 1        | 11.30   |

## 693 MC

Small star lever bolt for internal rods  
Crémone star petite pour  
tringles intérieures  
Treibriegel star klein für innenstangen



| Code         | Art.             | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|-------|-----------|-------------|----------|---------|
| 11207006 503 | <b>693 MC DX</b> | 25X10 | Black     |             | 2        | 2.50    |
| 11207011 503 | <b>693 MC SX</b> | 25X10 | Black     |             | 2        | 2.50    |



| Code         | Art.             | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|---------------|------------|-------------|----------|---------|
| 11205506 503 | <b>694 MC DX</b> | Rod 30X10 C40 | Black      |             | 2        | 3.84    |
| 11205506 001 | <b>694 MC DX</b> | Rod 30X10 C40 | Galvanized |             | 2        | 3.84    |
| 11205511 503 | <b>694 MC SX</b> | Rod 30X10 C40 | Black      |             | 2        | 3.84    |
| 11205511 001 | <b>694 MC SX</b> | Rod 30X10 C40 | Galvanized |             | 2        | 3.84    |



## 694 MC

Large star lever bolt  
Cremone star grande  
Treibriegel star gross

| Code         | Art.              | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|-------|------------|-------------|----------|---------|
| 10203703 003 | <b>695 P/1200</b> | 25X10 | Black      |             | 1        | 1.35    |
| 10203703 001 | <b>695 P/1200</b> | 25X10 | Galvanized |             | 1        | 1.35    |
| 10203715 003 | <b>695 P/3000</b> | 25X10 | Black      |             | 1        | 3.37    |
| 10203715 001 | <b>695 P/3000</b> | 25X10 | Galvanized |             | 1        | 3.37    |
| 10203704 003 | <b>695 P/4800</b> | 25X10 | Black      |             | 1        | 4.70    |
| 10203704 001 | <b>695 P/4800</b> | 25X10 | Galvanized |             | 1        | 4.70    |



## 695 P

Connection tubular rod 25x10  
Tringle de jonction tubulaire 25x10  
Rohr-Verbindungsstange 25x10

| Code         | Art.              | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------------|-------|------------|-------------|----------|---------|
| 10203718 003 | <b>695 G/1200</b> | 30X10 | Black      |             | 1        | 1.16    |
| 10203718 001 | <b>695 G/1200</b> | 30X10 | Galvanized |             | 1        | 1.16    |
| 10203730 003 | <b>695 G/3000</b> | 30X10 | Black      |             | 1        | 3.40    |
| 10203730 001 | <b>695 G/3000</b> | 30X10 | Galvanized |             | 1        | 3.40    |
| 10203740 003 | <b>695 G/4800</b> | 30X10 | Black      |             | 1        | 5.40    |
| 10203740 001 | <b>695 G/4800</b> | 30X10 | Galvanized |             | 1        | 5.40    |



## 695 G

Connection tubular rod 30x10  
Tringle de jonction tubulaire 30x10  
Rohr-Verbindungsstange 30x10

| Code         | Art.               | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-------|------------|-------------|----------|---------|
| 10203702 003 | <b>695 PM/1200</b> | 25X10 | Black      |             | 1        | 1.20    |
| 10203702 001 | <b>695 PM/1200</b> | 25X10 | Galvanized |             | 1        | 1.20    |



## 695 PM

Closing tubular rod with handle 25x10  
Tringle tubulaire de fermeture  
avec poignée 25x10  
Rohrverschlussstange mit Griffe 25x10

| Code         | Art.               | Size  | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------------|-------|------------|-------------|----------|---------|
| 10203701 003 | <b>695 GM/1200</b> | 30X10 | Black      |             | 1        | 1.40    |
| 10203701 001 | <b>695 GM/1200</b> | 30X10 | Galvanized |             | 1        | 1.40    |



## 695 GM

Closing tubular rod with handle 30x10  
Tringle tubulaire de fermeture  
avec poignée 30x10  
Rohrverschlussstange mit Griffe 30x10

| Code         | Art.             | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------|---------------|------------|-------------|----------|---------|
| 11206006 503 | <b>696 MC DX</b> | Rod 30X10 C40 | Black      |             | 2        | 3.00    |
| 11206006 001 | <b>696 MC DX</b> | Rod 30X10 C40 | Galvanized |             | 2        | 3.00    |
| 11206011 503 | <b>696 MC SX</b> | Rod 30X10 C40 | Black      |             | 2        | 3.00    |
| 11206011 001 | <b>696 MC SX</b> | Rod 30X10 C40 | Galvanized |             | 2        | 3.00    |



## 696 MC

Large star lever bolt for cylinder  
Cremone star grande pour cylindre  
Treibriegel star gross für Zylinder

## 698 MC

Large star lever bolt whit  
external handle  
Cremone star grande avec  
béquille extérieure  
Treibriegel star gross



| Code         | Art.                | Size          | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|---------------|------------|-------------|----------|---------|
| 11206506 503 | <b>698 MC DX/50</b> | Rod 30X10 L50 | Black      |             | 2        | 4.30    |
| 11206526 503 | <b>698 MC DX/80</b> | Rod 30X10 L80 | Black      |             | 2        | 4.35    |
| 11206506 001 | <b>698 MC DX/50</b> | Rod 30X10 L50 | Galvanized |             | 2        | 4.30    |
| 11206526 001 | <b>698 MC DX/80</b> | Rod 30X10 L80 | Galvanized |             | 2        | 4.35    |
| 11206511 503 | <b>698 MC SX/50</b> | Rod 30X10 L50 | Black      |             | 2        | 4.30    |
| 11206531 503 | <b>698 MC SX/80</b> | Rod 30X10 L80 | Black      |             | 2        | 4.35    |
| 11206511 001 | <b>698 MC SX/50</b> | Rod 30X10 L50 | Galvanized |             | 2        | 4.30    |
| 11206531 001 | <b>698 MC SX/80</b> | Rod 30X10 L80 | Galvanized |             | 2        | 4.35    |

## 699

Nylon pull handle with guides  
Poignée d'entraînement en  
nylon avec traversants  
Nylongriff zum Ziehen mit Laschen



| Code     | Art.       | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|-------|-----------|-------------|----------|---------|
| 11003500 | <b>699</b> | 30X10 | Black     |             | 10       | 2.90    |

## A370 P

Small flat aluminium double hinge  
Paumelle double petite  
en aluminium plate  
Doppelscharnier klein aus  
Aluminium flach



| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11630405 503 | <b>A370 P</b> | L=100 Ø16 | Black     | 200         | 12       | 5.92    |

## A371 P

Small flat aluminium double  
hinge, without pin  
Paumelle double petite en  
aluminium plate, sans pivot  
Doppelscharnier klein aus  
Aluminium flach, ohne Bolzen



| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11630905 503 | <b>A371 P</b> | L=100 Ø16 | Black     | 200         | 4        | 1.40    |

## A380 P

Small aluminium double  
hinge with steps  
Paumelle double petite en  
aluminium avec butées  
Doppelscharnier klein aus  
Aluminium mit Stützen



| Code         | Art.                                                                                              | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11630505 503 | <b>A380 P</b>  | L=100 Ø16 | Black     | 200         | 12       | 6.00    |

## A380 G

Large aluminium double  
hinge with steps  
Paumelle double grande en  
aluminium avec butées  
Doppelscharnier gross aus  
Aluminium mit Stützen



| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11630511 503 | <b>A380 G</b> | L=139 Ø20 | Black     | 400         | 12       | 11.70   |



| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11634005 503 | <b>A380 R</b> | L=139 Ø20 | Black     | 400         | 4        | 4.00    |



## A380 R

Flat aluminium double hinge, adjustable  
Paumelle double en aluminium  
plate, réglable  
Doppelscharnier aus aluminium  
flach, regulierbar

| Code         | Art.          | Size                                                                                        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|---------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11631005 503 | <b>A381 P</b> |  L=100 Ø16 | Black     | 200         | 4        | 2.20    |



## A381 P

Small aluminium double hinge  
with steps, without pin  
Paumelle double petite en aluminium,  
avec butées, sans pivot  
Doppelscharnier klein aus Aluminium  
mit Stützen, ohne Bolzen

| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11631011 503 | <b>A381 G</b> | L=139 Ø20 | Black     | 400         | 4        | 2.77    |



## A381 G

Large aluminium double hinge  
with steps, without pin  
Paumelle double grande en  
aluminium avec butées, sans pivot  
Doppelscharnier gross aus Aluminium  
mit Stützen, ohne Bolzen

| Code         | Art.          | Size                                                                                          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11632405 503 | <b>A384 P</b> |  L=100 Ø16 | Black     | 150         | 4        | 1.05    |



## A384 P

Small flat aluminium hinge  
Paumelle simple petite  
en aluminium plate  
Einzel-Scharnier klein aus  
Aluminium flach

| Code         | Art.          | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|-----------|-----------|-------------|----------|---------|
| 11632505 503 | <b>A385 P</b> | L=100 Ø16 | Black     | 150         | 4        | 1.00    |



## A385 P

Small aluminium hinge with step  
Paumelle simple petite en  
aluminium avec butée  
Einzel-scharnier klein aus  
Aluminium mit Stütze

| Code         | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|-------------|----------|---------|
| 11644015 503 | <b>P365</b> | L=139 Ø20 | Black     | 200         | 4        | 1.80    |



## P365

Die-cast aluminium hinge  
with off-centre step  
Paumelle simple en aluminium  
moulée avec butée desaxée  
Einzel-Scharnier aus Alu-druckguss  
mit ausserachsiger Stütze

## P365 R

Reduced die-cast aluminium hinge with step  
 Paumelle simple réduite en aluminium moulée avec butée  
 Einzel-scharnier reduziert aus Alu-druckguss mit Stütze



| Code         | Art.                                                                                           | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------|---------|
| 11645515 503 | <b>P365R</b>  | L=139 Ø20 | Black     | 200         | 4        | 1.60    |

## P368 I

Off-centre die-cast aluminium lower hinge  
 Paumelle inférieure en aluminium moulée décentrée  
 Unteres-Scharnier aus Alu-druckguss dezentriert



| Code         | Art.          | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|----------|-----------|-------------|----------|---------|
| 11644500 503 | <b>P368 I</b> | L=90 Ø20 | Black     |             | 4        | 2.56    |

## P368 S

Off-centre die-cast aluminium upper hinge  
 Paumelle supérieure en aluminium moulée décentrée  
 Oberes Scharnier aus Alu-druckguss dezentriert



| Code         | Art.          | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------|----------|-----------|-------------|----------|---------|
| 11644550 503 | <b>P368 S</b> | L=90 Ø20 | Black     |             | 4        | 2.56    |

## P368 M

Off-center oversized upper/lower hinge  
 Paumelle supérieure/inférieure surdimensionnée décentralisée  
 Dezentralisiertes oberes/unteres Scharnier vergrößert



| Code         | Art.                                                                                              | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------------------------------------------------------------------------------------|----------|-----------|-------------|----------|---------|
| 11644560 503 | <b>P368 M</b>  | L=90 Ø20 | Black     |             | 4        | 2.46    |

## P370

Flat die-cast aluminium double hinge  
 Paumelle double en aluminium moulée plate  
 Doppelscharnier aus Alu-druckguss flach



| Code         | Art.         | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|--------------|-----------|-----------|-------------|----------|---------|
| 11640710 503 | <b>P 370</b> | L=139 Ø20 | Black     | 400         | 12       | 12.65   |

## P371

Flat die-cast aluminium double hinge, without pin  
 Paumelle double en aluminium moulée plate, sans pivot  
 Doppelscharnier Aus alu-druckguss flach, ohne Bolzen



| Code         | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|-------------|----------|---------|
| 11641210 503 | <b>P371</b> | L=139 Ø20 | Black     | 400         | 4        | 3.07    |



| Code         | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|-------------|----------|---------|
| 11640510 503 | <b>P380</b> | L=139 Ø20 | Black     | 400         | 12       | 13.02   |



## P380

Die-cast aluminium double hinge with steps  
Paumelle double en aluminium moulée avec butées  
Doppelscharnier aus Alu-druckguss mit Stützen

| Code         | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|-------------|----------|---------|
| 11641010 503 | <b>P381</b> | L=139 Ø20 | Black     | 400         | 4        | 4.96    |



## P381

Die-cast aluminium double hinge, without pin  
Paumelle double en aluminium moulée avec butées, sans pivot  
Doppelscharnier aus Alu-druckguss mit Stützen, ohne Bolzen

| Code         | Art.        | Size      | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|-----------|-----------|-------------|----------|---------|
| 11642510 503 | <b>P385</b> | L=139 Ø20 | Black     | 200         | 4        | 2.18    |



## P385

Die-cast aluminium hinge with step  
Paumelle simple en aluminium moulée avec butée  
Einzel-scharnier aus Alu-druckguss mit Stütze

| Code     | Art.           | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|------|-----------|-------------|----------|---------|
| 10310701 | <b>R383-33</b> |      | Black     |             | 200      | 0.80    |



## R383-33

Supperper for hinge P380  
Embout de tête pour paumelle P380  
Stöpsel für Scharnierkopf P380

| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 10310702 | <b>R383-13.5</b> |      | Black     |             | 200      | 0.20    |



## R383-13.5

Screw cover for hinge P380  
Embout couvre-vis pour paumelle P380  
Stöpsel für P380 schraube

| Code         | Art.        | Size | Finishing  | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|-------------|------|------------|-------------|----------|---------|
| 10310601 001 | <b>R378</b> | Ø20  | Galvanized |             | 20       | 5.96    |



## R378

Pin for hinge P380  
Pivot pour paumelle P380  
Bolzen für Scharnier P380

| Code         | Art.                | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|--------------|---------------------|------|-----------|-------------|----------|---------|
| 12400526 003 | <b>400-20X36X11</b> |      | Black     |             | 100      | 4.70    |



## 400

Bearing 20x36x11 black galvanized for p380  
Roulement 20x36x11 zinc. Noir pour p380  
Lager 20x36x11 schwarz-verzinkt für p380





Life  
made  
easy



# Stainless Steel Hardware

 **COMUNELLO****GATE**

## 84i

Bottom plate with spherical pin  
Platine inférieur et pivot sphérique  
Bodenplatte mit Drehstift



| Code     | Art.       | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|-------|-----------|-------------|----------|---------|
| 10800305 | <b>84i</b> | 42x42 | S.steel   | 100         | 2        | 1.30    |

Capacity per couple hinges, L/H=1

## 86i

Upper hinge with plate  
Gond supérieur avec platine  
Oberes Torband mit Platte



| Code     | Art.         | Size         | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|--------------|-----------|-------------|----------|---------|
| 10800605 | <b>86i-P</b> | Piccolo Ø 50 | S.steel   | 200         | 2        | 1.72    |
| 10800610 | <b>86i-G</b> | Grande Ø70   | S.steel   | 650         | 2        | 4.10    |

Capacity per couple hinges, L/H=1

## 87i-P

Bottom hinge with thrust bearing  
Gond inférieur avec roulement de butée  
Unteres Torband mit Drucklager



| Code     | Art.         | Size         | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------------|--------------|-----------|-------------|----------|---------|
| 10801105 | <b>87i-P</b> | Piccolo Ø 50 | S.steel   | 200         | 2        | 0.96    |
| 10801110 | <b>87i-G</b> | Grande Ø70   | S.steel   | 650         | 2        | 2.00    |

Capacity per couple hinges, L/H=1

## 116i

Pivot and plate to be welded  
Pivot et plaque à souder  
Drehstift und Platte zum Schweißen



| Code     | Art.           | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|------|-----------|-------------|----------|---------|
| 10806205 | <b>116i-20</b> |      | S.steel   | 150         | 2        | 1.28    |
| 10806210 | <b>116i-24</b> |      | S.steel   | 240         | 2        | 2.20    |

Capacity per couple hinges, L/H=1

## 120i

Hinge with u-bolt and bush  
Gond avec crampillon et douille  
Torband mit U-Bügel und Buchse



| Code     | Art.            | Size           | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|----------------|-----------|-------------|----------|---------|
| 10806605 | <b>120i-M20</b> | C37 M20 R45-65 | S.steel   | 150         | 8        | 3.41    |
| 10806610 | <b>120i-M24</b> | C47 M24 R53-75 | S.steel   | 225         | 4        | 6.61    |

Capacity per couple hinges, L/H=1

## 165i

Square pillar cover  
Couvre pilastre carré  
Viereckiger Pfostendeckel



| Code     | Art.            | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------|-----------|-------------|----------|---------|
| 12100705 | <b>165i-30</b>  | 30X30   | S.steel   |             | 10       | 0.29    |
| 12100710 | <b>165i-40</b>  | 40X40   | S.steel   |             | 10       | 0.40    |
| 12100715 | <b>165i-50</b>  | 50X50   | S.steel   |             | 10       | 0.55    |
| 12100720 | <b>165i-60</b>  | 60X60   | S.steel   |             | 10       | 0.74    |
| 12100725 | <b>165i-80</b>  | 80X80   | S.steel   |             | 6        | 0.71    |
| 12100730 | <b>165i-100</b> | 100X100 | S.steel   |             | 6        | 1.07    |
| 12100735 | <b>165i-120</b> | 120X120 | S.steel   |             | 6        | 1.36    |
| 12100740 | <b>165i-150</b> | 150X150 | S.steel   |             | 2        | 0.79    |



| Code     | Art.            | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|------|-----------|-------------|----------|---------|
| 10701520 | <b>195i-400</b> | 400  | S.steel   | 400         | 10       | 16.12   |
| 10701530 | <b>195i-500</b> | 500  | S.steel   | 400         | 10       | 17.30   |
| 10701540 | <b>195i-600</b> | 600  | S.steel   | 400         | 10       | 18.60   |
| 10701550 | <b>195i-700</b> | 700  | S.steel   | 400         | 10       | 20.10   |



**195i**

Safety cable for swinging gate anti downfall  
Cable anti-chute pour portail battent  
Fall-Schutz Kabel

| Code     | Art.        | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|-------|-----------|-------------|----------|---------|
| 10200108 | <b>197i</b> | L=250 | S.steel   |             | 10       | 1.90    |



**197i**

Threaded bar for anti fall cable  
Tige filetée pour cable anti-chute  
Gewindestange für Fall-Schutz Kabel

| Code     | Art.        | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|------|-----------|-------------|----------|---------|
| 10701105 | <b>170i</b> |      | S.steel   |             | 5        | 1.80    |



**170i**

Stop batten to be cemented  
Battent d'arrêt à sceller  
Auflaufschuh zum Ausbetonieren

| Code     | Art.          | Size  | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|-------|-----------|-------------|----------|---------|
| 10701610 | <b>200i-G</b> | H=115 | S.steel   |             | 5        | 2.90    |



**200i-G**

Runaway stop  
Boutoir de fin de course  
Torendpuffer

| Code     | Art.           | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|---------|-----------|-------------|----------|---------|
| 11301310 | <b>230i-30</b> | M16 Ø30 | S.steel   |             | 8        | 1.50    |
| 11301315 | <b>230i-40</b> | M16 Ø40 | S.steel   |             | 4        | 1.11    |



**230i**

Nylon roller  
Rouleau en nylon  
Nylon-Führungsrolle

| Code     | Art.            | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|------------|-----------|-------------|----------|---------|
| 11305605 | <b>250i-220</b> | Ø30 R35-62 | S.steel   |             | 1        | 1.40    |



**250i**

Drive-gate adjustable plate  
Platine guide-portail réglable  
Verstellbarer Torführungsbügel

## 255i

Guiding plate for gates with double adjustment  
Platine guide-portail à double réglage  
Torfführungsbügel mit Doppelverstellung



| Code     | Art.     | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|------|-----------|-------------|----------|---------|
| 11306105 | 255i-220 | Ø30  | S.steel   |             | 1        | 2.25    |

## 260i

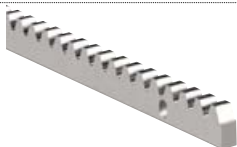
Square rack  
Crémaillère carrée  
Viereckige Zahnstange



| Code     | Art.       | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|--------|-----------|-------------|----------|---------|
| 11400610 | 260i-22x22 | L=2000 | S. steel  | 3000        | 1        | 6.15    |

## 262i

Rectangular rack 30x12 with holes  
Crémaillère rectangulaire 30x12 avec trous  
Rechteckige Zahnstange 30x12 mit Bohrungen



| Code     | Art.       | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------|--------|-----------|-------------|----------|---------|
| 11401105 | 262i-30x12 | L=1000 | S.steel   | 1000        | 1        | 2.35    |

## 264i

Support for rectangular rack to be welded  
Attache entretoise pour crémaillère rectangulaire  
Distanzstück für rechteckige Zahnstange zum Schweißen



| Code     | Art. | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------|------|-----------|-------------|----------|---------|
| 11401905 | 264i |      | S.steel   |             | 20       | 1.00    |

## 270i

Flush-mounted handle  
Poignée à encaisser  
Muschelgriff



| Code     | Art.   | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------|---------|-----------|-------------|----------|---------|
| 10902505 | 270i-P | Piccolo | S.steel   |             | 4        | 0.35    |
| 10902510 | 270i-G | Grande  | S.steel   |             | 4        | 1.05    |

## 287i

Track to be cemented "Pendolino"  
Rail à sceller "Pendolino"  
Bodenlaufschiene zum Einbetonieren "Pendolino"



| Code     | Art.          | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------|--------|-----------|-------------|----------|---------|
| 10204113 | 287i-GØ19-Sp2 | L=3000 | S.steel   |             | 1        | 5.95    |
| 10204114 | 287i-GØ19-Sp2 | L=6000 | S.steel   |             | 1        | 11.90   |

## 289i

Track to be bolted "Rapido"  
Rail à visser "Rapido"  
Laufschiene zum Anschrauben "Rapido"



| Code     | Art.           | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|--------|-----------|-------------|----------|---------|
| 10201601 | 289i-P-Ø15-Sp2 | L=3000 | S.steel   |             | 1        | 3.10    |
| 10201605 | 289i-G-Ø19-Sp2 | L=3000 | S.steel   |             | 1        | 3.30    |
| 10201610 | 289i-G-Ø19-Sp2 | L=6000 | S.steel   |             | 1        | 6.20    |



| Code     | Art.        | Size                                                                                       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|--------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 10602105 | <b>291i</b> |  80-Ø12,5 | S.steel   |             | 1        | 0.08    |



## 291i

Connection pin for track Art. 289i - Ø19  
Jonction pour rail Art. 289i - Ø19  
Verbindungsstift zum  
Laufschiene Art. 289i - Ø19

| Code     | Art.        | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|--------|-----------|-------------|----------|---------|
| 10201805 | <b>293i</b> | L=3000 | S.steel   |             | 1        | 3.00    |
| 10201810 | <b>293i</b> | L=6000 | S.steel   |             | 1        | 6.00    |



## 293i

Track to be bolted "Diretto"  
Rail à visser "Diretto"  
Laufschiene zum Anschrauben "Diretto"

| Code     | Art.        | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|---------|-----------|-------------|----------|---------|
| 10602305 | <b>295i</b> | 90-Ø8,5 | S.steel   |             | 1        | 0.05    |



## 295i

Connection pin for track Art. 293i  
Jonction pour rail Art. 293i  
Verbindungsstift zum Art. 293i

| Code     | Art.        | Size                                                                                         | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|----------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 10601705 | <b>297i</b> |  90-Ø14,0 | S.steel   |             | 1        | 0.11    |



## 297i

Connection pin for track 287i-G  
Jonction pour rail Art. 287i-G  
Verbindungsstift zum  
Laufschiene Art. 287i-G

| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11501410 | <b>300i-V60</b>  | Ø60  | S.steel   | 100         | 2        | 0.65    |
| 11501420 | <b>300i-V80</b>  | Ø78  | S.steel   | 200         | 2        | 1.46    |
| 11501430 | <b>300i-V90</b>  | Ø88  | S.steel   | 210         | 2        | 1.84    |
| 11501440 | <b>300i-V100</b> | Ø98  | S.steel   | 220         | 2        | 2.38    |
| 11501450 | <b>300i-V120</b> | Ø117 | S.steel   | 240         | 2        | 3.39    |
| 11501460 | <b>300i-V140</b> | Ø137 | S.steel   | 270         | 2        | 5.37    |
| 11501470 | <b>300i-V160</b> | Ø157 | S.steel   | 370         | 2        | 7.06    |
| 11501480 | <b>300i-V200</b> | Ø197 | S.steel   | 400         | 2        | 11.31   |



## 300i W

 1 BEARING

Wheel with V groove  
Galet avec gorge V  
Schiebetorrolle mit V-Rille

| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11502140 | <b>305i-V100</b> | Ø98  | S.steel   | 400         | 2        | 3.00    |
| 11502150 | <b>305i-V120</b> | Ø117 | S.steel   | 420         | 2        | 4.33    |
| 11502160 | <b>305i-V140</b> | Ø137 | S.steel   | 540         | 2        | 6.63    |
| 11502170 | <b>305i-V160</b> | Ø157 | S.steel   | 770         | 2        | 9.35    |
| 11502180 | <b>305i-V200</b> | Ø197 | S.steel   | 800         | 2        | 14.91   |



## 305i W

 2 BEARINGS

Wheel with V groove  
Galet avec gorge V  
Schiebetorrolle mit V-Rille



## 310i W



1 BEARING

Wheel with half-rounded groove  
Galet avec gorge demi-ronde  
Schiebetorrolle mit Rundrille



| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11504810 | <b>310i-60</b>   | Ø60  | S.steel   | 100         | 2        | 0.72    |
| 11504825 | <b>310i-80S</b>  | Ø78  | S.steel   | 200         | 2        | 1.33    |
| 11504835 | <b>310i-90S</b>  | Ø88  | S.steel   | 210         | 2        | 1.77    |
| 11504845 | <b>310i-100S</b> | Ø98  | S.steel   | 220         | 2        | 2.28    |
| 11504850 | <b>310i-120</b>  | Ø117 | S.steel   | 240         | 2        | 3.48    |
| 11504860 | <b>310i-140</b>  | Ø137 | S.steel   | 270         | 2        | 5.00    |
| 11504870 | <b>310i-160</b>  | Ø157 | S.steel   | 370         | 2        | 6.62    |
| 11504880 | <b>310i-200</b>  | Ø197 | S.steel   | 400         | 2        | 10.69   |

## 315i W



2 BEARINGS

Wheel with half-rounded groove  
Galet avec gorge demi-ronde  
Schiebetorrolle mit Rundrille



| Code     | Art.            | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|------|-----------|-------------|----------|---------|
| 11505140 | <b>315i-100</b> | Ø98  | S.steel   | 400         | 2        | 2.76    |
| 11505150 | <b>315i-120</b> | Ø117 | S.steel   | 420         | 2        | 4.04    |
| 11505160 | <b>315i-140</b> | Ø137 | S.steel   | 540         | 2        | 6.31    |
| 11505170 | <b>315i-160</b> | Ø157 | S.steel   | 770         | 2        | 8.93    |
| 11505180 | <b>315i-200</b> | Ø197 | S.steel   | 800         | 2        | 14.48   |

## 335i W



1 BEARING

Wheel with internal plate, V groove  
Galet avec platine interne, gorge V  
Schiebetorrolle mit  
Innenstützplatte und V-Rille



| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11513630 | <b>335i-V90</b>  | Ø88  | S.steel   | 190         | 2        | 2.36    |
| 11513640 | <b>335i-V100</b> | Ø98  | S.steel   | 200         | 2        | 2.82    |
| 11513650 | <b>335i-V120</b> | Ø117 | S.steel   | 220         | 2        | 4.40    |

## 336i W



2 BEARINGS

Wheel with internal plate, V groove  
Galet avec platine interne, gorge V  
Schiebetorrolle mit  
innenstützplatte und V-Rille



| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11514630 | <b>336i-90V</b>  | Ø88  | S.steel   | 300         | 2        | 2.60    |
| 11514640 | <b>336i-100V</b> | Ø98  | S.steel   | 380         | 2        | 3.19    |
| 11514650 | <b>336i-120V</b> | Ø117 | S.steel   | 400         | 2        | 5.04    |

## 337i W



1 BEARING

Wheel with internal plate,  
half-rounded groove  
Galet avec platine interne,  
gorge demi-ronde  
Schiebetorrolle mit Rundrille  
und Innenstützplatte



| Code     | Art.             | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------------------|------|-----------|-------------|----------|---------|
| 11515130 | <b>337i-90S</b>  | Ø88  | S.steel   | 190         | 2        | 2.25    |
| 11515140 | <b>337i-100S</b> | Ø98  | S.steel   | 200         | 2        | 2.73    |
| 11515150 | <b>337i-120</b>  | Ø117 | S.steel   | 220         | 2        | 4.20    |

## 338i W



2 BEARINGS

Wheel with internal plate, half-  
rounded groove and 2 bearings  
Galet avec platine interne, gorge  
demi-ronde et 2 roulements  
Schiebetorrolle mit Rundrille,  
Innenstützplatte und 2 Kugellagern



| Code     | Art.            | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|------|-----------|-------------|----------|---------|
| 11515630 | <b>338i-90</b>  | Ø88  | S.steel   | 300         | 2        | 2.50    |
| 11515640 | <b>338i-100</b> | Ø98  | S.steel   | 380         | 2        | 2.99    |
| 11515650 | <b>338i-120</b> | Ø117 | S.steel   | 400         | 2        | 4.79    |



| Code     | Art.           | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|------|-----------|-------------|----------|---------|
| 15400606 | <b>401i-6</b>  | Ø9   | S.steel   |             | 200      | 0.20    |
| 15400608 | <b>401i-8</b>  | Ø12  | S.steel   |             | 200      | 0.20    |
| 15400610 | <b>401i-10</b> | Ø15  | S.steel   |             | 200      | 0.40    |
| 15400611 | <b>401i-11</b> | Ø15  | S.steel   |             | 200      | 0.20    |
| 15400612 | <b>401i-12</b> | Ø18  | S.steel   |             | 200      | 0.60    |
| 15400614 | <b>401i-14</b> | Ø19  | S.steel   |             | 200      | 0.40    |



## 401i

Stainless steel washer  
Rondelle en acier Inox  
Zwischenring aus Edelstahl

| Code     | Art.            | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-------------|-----------|-------------|----------|---------|
| 11604206 | <b>402i-60</b>  | L=58 Ø5,7   | S.steel   | 50          | 20       | 0.84    |
| 11604208 | <b>402i-80</b>  | L=83 Ø7,7   | S.steel   | 75          | 20       | 1.64    |
| 11604210 | <b>402i-100</b> | L=104 Ø8,7  | S.steel   | 100         | 20       | 2.30    |
| 11604212 | <b>402i-120</b> | L=122 Ø9,8  | S.steel   | 150         | 20       | 3.78    |
| 11604214 | <b>402i-140</b> | L=144 Ø10,7 | S.steel   | 200         | 20       | 4.36    |

Capacity per couple hinges, L/H=1



## 402i

Hinge with 2 wings and  
extractable pivot  
Paumelle avec 2 ailes et  
pivot à déboîter  
Anschweißband 2-teilig  
mit losem Zapfen

| Code     | Art.                                                                                              | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------------------------------------------------------------------------------------------------|-------------|-----------|-------------|----------|---------|
| 11604614 | <b>405i-140</b>  | L=145 Ø11,7 | S.steel   | 250         | 20       | 6.14    |
| 11604617 | <b>405i-170</b>  | L=174 Ø11,7 | S.steel   | 250         | 20       | 7.40    |
| 11604620 | <b>405i-200</b>  | L=205 Ø13,6 | S.steel   | 350         | 16       | 8.67    |

Capacity per couple hinges, L/H=1



## 405i

Heavy hinge with 2 wings  
and extractable pivot  
Paumelle lourde avec 2  
ailes et pivot à déboîter  
Anschweißband 2-teilig schwere  
Ausführung mit losem Zapfen

| Code     | Art.            | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-------------|-----------|-------------|----------|---------|
| 11605208 | <b>410i-80</b>  | L=83 Ø7,7   | S.steel   | 75          | 20       | 1.66    |
| 11605210 | <b>410i-100</b> | L=104 Ø8,7  | S.steel   | 100         | 20       | 2.34    |
| 11605212 | <b>410i-120</b> | L=122 Ø9,8  | S.steel   | 150         | 20       | 3.74    |
| 11605214 | <b>410i-140</b> | L=144 Ø10,7 | S.steel   | 200         | 20       | 4.82    |

Capacity per couple hinges, L/H=1



## 410i

Hinge with 3 wings and  
extractable pivot  
Paumelle avec 3 ailes et  
pivot à déboîter  
Anschweißband 3-  
teilig mit losem Zapfen

| Code     | Art.                                                                                                | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------------------------------------------------------------------------------------------|-------------|-----------|-------------|----------|---------|
| 11605614 | <b>415i-140</b>  | L=145 Ø11,7 | S.steel   | 250         | 10       | 3.06    |
| 11605617 | <b>415i-170</b>  | L=174 Ø11,7 | S.steel   | 250         | 20       | 7.44    |
| 11605620 | <b>415i-200</b>  | L=205 Ø13,6 | S.steel   | 350         | 16       | 8.58    |

Capacity per couple hinges, L/H=1



## 415i

Heavy hinge with 3 wings  
and extractable pivot  
Paumelle lourde avec 3  
ailes et pivot à déboîter  
Anschweißband 3-teilig schwere  
Ausführung mit losem Zapfen

| Code     | Art.            | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-------------|-----------|-------------|----------|---------|
| 11606106 | <b>420i-60</b>  | L=64 Ø5,8   | S.steel   | 50          | 20       | 0,7     |
| 11606108 | <b>420i-80</b>  | L=89,5 Ø7,8 | S.steel   | 75          | 20       | 1,28    |
| 11606110 | <b>420i-100</b> | L=110 Ø8,7  | S.steel   | 100         | 20       | 1,76    |
| 11606112 | <b>420i-120</b> | L=130 Ø9,8  | S.steel   | 150         | 20       | 2,8     |
| 11606114 | <b>420i-140</b> | L=152 Ø10,8 | S.steel   | 200         | 20       | 3,6     |

Capacity per couple hinges, L/H=1



## 420i

Plug welded hinge with 2 wings  
Paumelle à 2 ailes avec bouchon soudé  
Anschweißband 2-teilig mit  
Anschweißpfropfen

## 425i

Heavy plug welded hinge with 2 wings  
 Paumelle lourde à 2 ailes  
 avec bouchon soudé  
 Anschweißband 2-teilig schwere  
 Ausführung mit Pfropfen



| Code     | Art.            | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------------|-----------|-------------|----------|---------|
| 11606417 | <b>425i-170</b> | L=184,5 Ø11,8 | S.steel   | 250         | 20       | 5.20    |
| 11606420 | <b>425i-200</b> | L=217,5 Ø13,8 | S.steel   | 300         | 20       | 7.80    |

Capacity per couple hinges, L/H=1

## 440i

Big hinge 2 open wings extractable  
 pivot with brass washer  
 Paumelle grande 2 ailes ouvertes pivot  
 à déboîter avec rondelle en laiton  
 Winkelband mit 2 offenen Flügeln  
 schwere Ausführung loser Zapfen  
 mit Unterlegscheibe aus Messing



| Code     | Art.           | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|----------|-----------|-------------|----------|---------|
| 11607709 | <b>440i-90</b> | L=98 Ø27 | S.steel   | 800         | 4        | 2.25    |

Capacity per couple hinges, L/H=1

## 450i

Big hinge 2 open wings extractable  
 pivot with brass washer  
 Paumelle grande 2 ailes ouvertes pivot  
 à déboîter avec rondelle en laiton  
 Winkelband mit 2 offenen Flügeln  
 schwere Ausführung loser Zapfen  
 mit Unterlegscheibe aus Messing



| Code     | Art.           | Size     | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|----------|-----------|-------------|----------|---------|
| 11608609 | <b>450i-90</b> | L=98 Ø27 | S.steel   | 400         | 4        | 2.16    |

Capacity per couple hinges, L/H=1

## 456i

Big hinge 2 long open wings extractable  
 pivot with washer and bearing  
 Paumelle grande 2 ailes grandes et ouvertes,  
 pivot à déboîter avec rondelle et roulement  
 Winkelband mit 2 langen offenen Flügeln  
 schwere Ausführung mit losem Zapfen,  
 Unterlegscheibe und Kugellager



| Code     | Art.            | Size                                                                                          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-----------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11609618 | <b>456i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.30    |

Capacity per couple hinges, L/H=1

## 458i

Big hinge 2 closed wings extractable  
 pivot with brass washer  
 Paumelle grande 2 ailes fermées avec  
 pivot à déboîter et rondelle en laiton  
 Flachband 2-teilig schwere  
 Ausführung mit losem Zapfen und  
 Unterlegscheibe aus Messing



| Code     | Art.            | Size                                                                                          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-----------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11610618 | <b>458i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.15    |

Capacity per couple hinges, L/H=1

## 460i

Big hinge 3 open wings extractable  
 pivot with brass washers  
 Paumelle grande 3 ailes ouvertes avec  
 pivot à déboîter et rondelles en laiton  
 Winkelband 3-teilig schwere  
 Ausführung mit losem Zapfen und  
 Unterlegscheibe aus Messing



| Code     | Art.            | Size                                                                                          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|-----------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11611618 | <b>460i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.30    |

Capacity per couple hinges, L/H=1



| Code     | Art.            | Size                                                                                        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11612618 | <b>470i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.24    |

Capacity per couple hinges, L/H=1



## 470i

Big hinge 3 closed wings  
extractable pivot and bearing  
Paumelle grande 3 ailes fermées  
pivot à déboîter avec roulement  
Winkelband mit 3 geschlossenen  
Flügeln schwere Ausführung mit  
losem Zapfen, Kugellager

| Code     | Art.            | Size                                                                                        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11613618 | <b>480i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.12    |

Capacity per couple hinges, L/H=1



## 480i

Big hinge 4 open wings  
extractable pivot with washer  
Paumelle grande 4 ailes ouvertes  
avec pivot à déboîter et rondelle  
Winkelband 4-teilig schwere Ausführung  
mit lose Zapfen und Unterlegscheibe

| Code     | Art.            | Size                                                                                        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11614618 | <b>485i-180</b> |  L=186 Ø27 | S.steel   | 800         | 4        | 4.12    |

Capacity per couple hinges, L/H=1



## 485i

Big hinge 4 closed wings extractable  
pivot with brass washers  
Paumelle grande 4 ailes fermées  
avec rondelles et pivot à déboîter  
Flachband 4-teilig schwere  
Ausführung mit losen Zapfen und  
Unterlegscheiben aus Messing

| Code     | Art.            | Size          | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------------|-----------|-------------|----------|---------|
| 11618615 | <b>500i-150</b> | L=146-153 Ø14 | S.steel   | 300         | 10       | 3.90    |

Capacity per couple hinges, L/H=1



## 500i

Turned drop hinge, 7mm  
adjustable, with steel pivot  
Paumelle à goutte tournée, réglable  
7mm. avec pivot en acier  
Formgepresstes und 7 mm-verstellbares  
Tropfenband mit Zapfen aus Stahl

| Code     | Art.        | Size                                                                                | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|-------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11700595 | <b>620i</b> |  | S.steel   |             | 50       | 2.10    |



## 620i

Stainless steel latch  
Verrou inox  
Riegel aus Edelstahl

| Code     | Art.        | Size       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-------------|------------|-----------|-------------|----------|---------|
| 11002610 | <b>679i</b> | Grande Ø30 | S.steel   |             | 1        | 0.45    |



## 679i

Straight s/s aisi 316i pull handle  
Poignée droite en acier inox aisi 316i  
Gerader Rohrförmiger Stossgriff  
aus Edelstahl aisi 316i

## 730i

Self-locking bolt to be screwed  
with rod Ø 12 Stroke 30mm  
Verrou autobloquant à visser avec  
pointe ronde Ø 12 Course 30mm  
Selbstsperrender Stangenriegel zum  
Anschrauben mit Stange Ø 12 Hub 30mm



| Code     | Art. | Size             | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------|------------------|-----------|-------------|----------|---------|
| 11912001 | 730i | Ø12, stroke 30mm | S.steel   |             | 4        | 1.65    |

## 732i

Automatic bolt for 2 leaf gates  
Verrous autobloquants  
Automatisch Riegel



| Code     | Art. | Size        | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|------|-------------|-----------|-------------|----------|---------|
| 11904705 | 732i | stroke 21mm | S.steel   |             | 6        | 2.53    |

## CGi-05

Counter plate for carriages -small  
Contre-plaque pour chariots – petit  
Gegenplatte für Laufwagen klein



| Code     | Art.    | Size                                                                                       | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|--------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 10131305 | CGi-05P |  Piccolo | S.steel   |             | 2        | 2.70    |

## CGi-40

Tension bar for gate regulation  
Tirants pour réglage portails  
Ankerbolzen zur Torregulierung



| Code     | Art.   | Size         | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|--------|--------------|-----------|-------------|----------|---------|
| 10131200 | CGi-40 | □ 60x60, d=3 | S.steel   |             | 1        | 1.60    |

## CGi-251

Adjustable gate guide plate to  
be fixed with long wing  
Plaque guide portail réglable  
à fixer avec aile longue  
Verstellbare Torführungsplatte mit  
langem Flügel zum Aufschrauben



| Code     | Art.    | Size                                                                                           | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|---------|------------------------------------------------------------------------------------------------|-----------|-------------|----------|---------|
| 11310305 | CGi-251 |  L=350 Ø40 | S.steel   |             | 1        | 6.70    |

## CGi-345P

Monorail in stainless steel  
for cantilever gates  
Rail en aluminium extrudé  
pour portails autoportants  
Einfachschiene aus fließgepresstem  
Aluminium für selbsttragende Tore



| Code     | Art.     | Size   | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------|--------|-----------|-------------|----------|---------|
| 10207505 | CGi-345P | L=3000 | S.steel   |             | 1        | 32.27   |
| 10207507 | CGi-345P | L=6000 | S.steel   |             | 1        | 72.54   |



| Code     | Art.            | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------|-----------|-------------|----------|---------|
| 10706005 | <b>CGi-346P</b> | Piccolo | S.steel   |             | 2        | 3.51    |



## CGi-346

Bottom end cup to be fixed  
Butée inférieure à fixer  
Unterauflageschuh zum Aufschrauben

| Code     | Art.            | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------|-----------|-------------|----------|---------|
| 10705305 | <b>CGi-347P</b> | Piccolo | S.steel   |             | 2        | 3.40    |



## CGi-347

End wheel for monorail  
Galet d'extrémité pour rail  
Endrad für Einfachschiene

| Code     | Art.           | Size | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|----------------|------|-----------|-------------|----------|---------|
| 10130705 | <b>CGi-348</b> | M16  | S.steel   |             | 12       | 8.32    |



## CGi-348

Threaded tie rods for carriages  
CGS 350 and CGS 350.8  
Tirant fileté pour chariots  
CGS 350 et CGS 350.8  
Gewindestange für Laufwagen  
CGS 350 und CGS 350.8

| Code     | Art.            | Size    | Finishing | Capacity Kg | Pcs/pack | Kg/pack |
|----------|-----------------|---------|-----------|-------------|----------|---------|
| 10130305 | <b>CGi-350P</b> | Piccolo | S.steel   | 1000        | 1        | 10.95   |

\* Maximum vertical force on the carriage due to the weight of the cantilevered gate



## CGi-350.5P

5 wheels cantilever carriage for gates  
Chariot autoportant 5  
roues pour portails  
5-rädriger Laufwagen für  
freitragende Tore

| Code     | Art.                | Size            | Finishing | Pcs/pack | Kg/pack |
|----------|---------------------|-----------------|-----------|----------|---------|
| 11400639 | <b>RG-30i P 2MT</b> | 15x15 L=80 H=23 | S.steel   | 1        | 9,00    |
| 11400634 | <b>RG-30i G 2MT</b> | 20x20 L=88 H=24 | S.steel   | 1        | 10,80   |



## RGi-30

Rack track to be bolted (P= for 97 mm and 117 mm wheels, G= for 148 mm wheels)  
Rail et crémaillère à visser (P= pour galets de Ø 97 et 117 mm, G= pour galets de Ø 148 mm)  
Rackschiene zur Befestigung (P= für Rädern von 97 - 117 mm, G= für Rädern von 148 mm)

| Code          | Art.                  | Size             | Finishing | Pcs/pack | Kg/pack |
|---------------|-----------------------|------------------|-----------|----------|---------|
| GEE000BXNIS00 | <b>EAGLE BOX-INOX</b> | 404x331H 170/214 | S.steel   | 1        | 11,5    |

 **COMUNELLO**  
AUTOMATION



## EAGLE BOX-INOX

Foundation box inox, arm kit included  
Boîtier de fondation en acier  
inoxydable avec kit bras et leviers  
Stahlfundamentkasten, inklusive Arm Kit





Life  
made  
easy



HEXT

HANDLES. WITH CARE.

## 2000



Round bar handle, "U" shape  
Poignée ronde, forme "U"  
Stoßgriff mit rund Profil, "U" Gestalt

| Code          | Art.        | Material      | Finishing             | Ø  | I   | L  | H | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------------------|----|-----|----|---|---|----|----------|---------|
| M200B001XB009 | 2-0122-009  | S. Steel 316L | Polished              | 20 | 200 | 60 |   |   |    | 2        | 0,67    |
| M200B001XB010 | 2-0122-010  | S. Steel 316L | Satin                 | 20 | 200 | 60 |   |   |    | 2        | 0,67    |
| M200B002XB009 | 2-0125-009  | S. Steel 316L | Polished              | 20 | 350 | 60 |   |   |    | 2        | 1,26    |
| M200B002XB010 | 2-0125-010  | S. Steel 316L | Satin                 | 20 | 350 | 60 |   |   |    | 2        | 1,06    |
| N200C012XB009 | 2-0142-009  | S. Steel 316L | Polished              | 25 | 250 | 70 |   |   |    | 2        | 1,04    |
| N200C012XB010 | 2-0142-010  | S. Steel 316L | Satin                 | 25 | 250 | 70 |   |   |    | 2        | 1,04    |
| N200C003XB009 | 2-0144-009  | S. Steel 316L | Polished              | 25 | 300 | 70 |   |   |    | 2        | 1,18    |
| N200C003XB010 | 2-0144-010  | S. Steel 316L | Satin                 | 25 | 300 | 70 |   |   |    | 2        | 1,18    |
| N200D001XB009 | 2-0164-009  | S. Steel 316L | Polished              | 30 | 300 | 85 |   |   |    | 2        | 1,23    |
| N200D001XB010 | 2-0164-010  | S. Steel 316L | Satin                 | 30 | 300 | 85 |   |   |    | 2        | 1,23    |
| N200D002XB009 | 2-0166-009  | S. Steel 316L | Polished              | 30 | 350 | 85 |   |   |    | 2        | 1,37    |
| N200D002XB010 | 2-0166-010  | S. Steel 316L | Satin                 | 30 | 350 | 85 |   |   |    | 2        | 1,37    |
| N200D003XB009 | 2-0168-009  | S. Steel 316L | Polished              | 30 | 650 | 85 |   |   |    | 2        | 2,40    |
| N200D003XB010 | 2-0168-010  | S. Steel 316L | Satin                 | 30 | 650 | 85 |   |   |    | 2        | 2,40    |
| N200E001XB009 | 2-0182-009  | S. Steel 316L | Polished              | 35 | 350 | 85 |   |   |    | 2        | 1,56    |
| N200E001XB010 | 2-0182-010  | S. Steel 316L | Satin                 | 35 | 350 | 85 |   |   |    | 2        | 1,56    |
| N200E002XB009 | 2-0186-009  | S. Steel 316L | Polished              | 35 | 650 | 85 |   |   |    | 2        | 2,55    |
| N200E002XB010 | 2-0186-010  | S. Steel 316L | Satin                 | 35 | 650 | 85 |   |   |    | 2        | 2,55    |
| N200D902XB010 | 2-0166E-010 | S. Steel 304  | Satin                 | 30 | 350 | 85 |   |   |    | 2        | 1,37    |
| M200C003XA604 | 2-0744-604  | Aluminium     | Silver Anodized Satin | 25 | 300 | 70 |   |   |    | 2        | 0,68    |
| M200D010XA604 | 2-0762-604  | Aluminium     | Silver Anodized Satin | 30 | 230 | 85 |   |   |    | 2        | 0,72    |
| M200D001XA604 | 2-0764-604  | Aluminium     | Silver Anodized Satin | 30 | 300 | 85 |   |   |    | 2        | 0,85    |
| M200D006XA604 | 2-0765-604  | Aluminium     | Silver Anodized Satin | 30 | 320 | 85 |   |   |    | 2        | 0,89    |
| M200D006XA503 | 2-0765-503  | Aluminium     | Black /Black          | 30 | 320 | 85 |   |   |    | 2        | 0,89    |
| M200D002XA604 | 2-0766-604  | Aluminium     | Silver Anodized Satin | 30 | 350 | 85 |   |   |    | 2        | 0,95    |
| M200E001XA503 | 2-0782-503  | Aluminium     | Black /Black          | 35 | 350 | 85 |   |   |    | 2        | 1,19    |
| M200E002XA604 | 2-0786-604  | Aluminium     | Silver Anodized Satin | 35 | 650 | 85 |   |   |    | 2        | 1,92    |
| M200E002XA503 | 2-0786-503  | Aluminium     | Black /Black          | 35 | 650 | 85 |   |   |    | 2        | 1,92    |

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| SPECIAL     | Material        | Finishing | Ø | I | H |
|-------------|-----------------|-----------|---|---|---|
| SP-2000-Ø-I | stainless steel | polished  |   |   |   |
| SP-2000-Ø-I | stainless steel | satin     |   |   |   |
| SP-2000-Ø-I | aluminium       | painted   |   |   |   |
| SP-2000-Ø-I | aluminium       | anodized  |   |   |   |

## 2100



Round bar handle, arch shape with supports with elliptical base  
Poignée ronde, forme arquée avec supports à base elliptique  
Stoßgriff mit rund Profil, in Bogen Form mit elliptischer Basis Unterstützungen

| Code          | Art.        | Material      | Finishing             | Ø  | I   | L   | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------------------|----|-----|-----|----|-----|----|----------|---------|
| N210C003XB009 | 2-1143-009  | S. Steel 316L | Polished              | 25 | 350 | 412 | 75 | 107 |    | 2        | 1,87    |
| N210C003XB010 | 2-1143-010  | S. Steel 316L | Satin                 | 25 | 350 | 412 | 75 | 107 |    | 2        | 1,87    |
| N210C002XB009 | 2-1147-009  | S. Steel 316L | Polished              | 25 | 700 | 849 | 75 | 106 |    | 2        | 2,90    |
| N210C002XB010 | 2-1147-010  | S. Steel 316L | Satin                 | 25 | 700 | 849 | 75 | 106 |    | 2        | 2,90    |
| N210D001XB009 | 2-1163-009  | S. Steel 316L | Polished              | 30 | 350 | 412 | 75 | 110 |    | 2        | 2,27    |
| N210D001XB010 | 2-1163-010  | S. Steel 316L | Satin                 | 30 | 350 | 412 | 75 | 110 |    | 2        | 2,27    |
| N210D002XB009 | 2-1165-009  | S. Steel 316L | Polished              | 30 | 500 | 602 | 75 | 110 |    | 2        | 2,62    |
| N210D002XB010 | 2-1165-010  | S. Steel 316L | Satin                 | 30 | 500 | 602 | 75 | 110 |    | 2        | 2,62    |
| N210D003XB009 | 2-1167-009  | S. Steel 316L | Polished              | 30 | 700 | 849 | 75 | 110 |    | 2        | 3,48    |
| N210D003XB010 | 2-1167-010  | S. Steel 316L | Satin                 | 30 | 700 | 849 | 75 | 110 |    | 2        | 3,48    |
| N210D902XB010 | 2-1165E-010 | S. Steel 304  | Satin                 | 30 | 500 | 602 | 75 | 110 |    | 2        | 2,62    |
| N210D903XB010 | 2-1167E-010 | S. Steel 304  | Satin                 | 30 | 700 | 849 | 75 | 110 |    | 2        | 3,48    |
| M210D001XA604 | 2-1763-604  | Aluminium     | Silver Anodized Satin | 30 | 350 | 412 | 75 | 110 |    | 2        | 1,21    |
| M210D003XA604 | 2-1767-604  | Aluminium     | Silver Anodized Satin | 30 | 700 | 849 | 75 | 110 |    | 2        | 1,88    |

| Code          | Art.        | Material      | Finishing             | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------------------|----|-----|----|-----|---|----|----------|---------|
| N220C001XB009 | 2-2146-009  | S. Steel 316L | Polished              | 25 | 350 | 70 | 126 |   |    | 2        | 1,73    |
| N220C001XB010 | 2-2146-010  | S. Steel 316L | Satin                 | 25 | 350 | 70 | 126 |   |    | 2        | 1,73    |
| N220D001XB009 | 2-2164-009  | S. Steel 316L | Polished              | 30 | 300 | 85 | 145 |   |    | 2        | 1,62    |
| N220D001XB010 | 2-2164-010  | S. Steel 316L | Satin                 | 30 | 300 | 85 | 145 |   |    | 2        | 1,62    |
| N220D002XB009 | 2-2166-009  | S. Steel 316L | Polished              | 30 | 350 | 85 | 145 |   |    | 2        | 1,77    |
| N220D002XB010 | 2-2166-010  | S. Steel 316L | Satin                 | 30 | 350 | 85 | 145 |   |    | 2        | 1,77    |
| N220E001XB009 | 2-2182-009  | S. Steel 316L | Polished              | 35 | 350 | 85 | 155 |   |    | 2        | 2,05    |
| N220E001XB010 | 2-2182-010  | S. Steel 316L | Satin                 | 35 | 350 | 85 | 155 |   |    | 2        | 2,05    |
| N220E002XB009 | 2-2186-009  | S. Steel 316L | Polished              | 35 | 650 | 85 | 155 |   |    | 2        | 3,03    |
| N220E002XB010 | 2-2186-010  | S. Steel 316L | Satin                 | 35 | 650 | 85 | 155 |   |    | 2        | 3,03    |
| N220D902XB010 | 2-2166E-010 | S. Steel 304  | Satin                 | 30 | 350 | 85 | 145 |   |    | 2        | 1,77    |
| M220D005XA503 | 2-2762-503  | Aluminium     | Black                 | 30 | 230 | 85 | 145 |   |    | 2        | 0,94    |
| M220D005XA604 | 2-2762-604  | Aluminium     | Silver Anodized Satin | 30 | 230 | 85 | 145 |   |    | 2        | 0,94    |
| M220D001XA503 | 2-2764-503  | Aluminium     | Black                 | 30 | 300 | 85 | 145 |   |    | 2        | 1,07    |
| M220D001XA604 | 2-2764-604  | Aluminium     | Silver Anodized Satin | 30 | 300 | 85 | 145 |   |    | 2        | 1,07    |
| M220D002XA604 | 2-2766-604  | Aluminium     | Silver Anodized Satin | 30 | 350 | 85 | 145 |   |    | 2        | 1,17    |
| M220D002XA503 | 2-2766-503  | Aluminium     | Black                 | 30 | 350 | 85 | 145 |   |    | 2        | 1,17    |
| M220E001XA503 | 2-2782-503  | Aluminium     | Black                 | 35 | 350 | 85 | 155 |   |    | 2        | 1,50    |
| M220E001XA604 | 2-2782-604  | Aluminium     | Silver Anodized Satin | 35 | 350 | 85 | 155 |   |    | 2        | 1,50    |

| SPECIAL     | Material        | Finishing | Ø | I | H | B |
|-------------|-----------------|-----------|---|---|---|---|
| SP-2200-Ø-I | stainless steel | polished  |   |   |   |   |
| SP-2200-Ø-I | stainless steel | satin     |   |   |   |   |
| SP-2200-Ø-I | aluminium       | painted   |   |   |   |   |
| SP-2200-Ø-I | aluminium       | anodized  |   |   |   |   |

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2200



Round bar handle, with double curvature  
Poignée de barre ronde, à double courbure  
Stoßgriff mit rund Profil, doppelte Biegung

| Code          | Art.        | Material      | Finishing             | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------------------|----|-----|----|-----|---|----|----------|---------|
| N260D001XB009 | 2-6165-009  | S. Steel 316L | Polished              | 30 | 300 | 85 | 225 |   |    | 2        | 1,78    |
| N260D001XB010 | 2-6165-010  | S. Steel 316L | Satin                 | 30 | 300 | 85 | 225 |   |    | 2        | 1,78    |
| N260D002XB009 | 2-6167-009  | S. Steel 316L | Polished              | 30 | 350 | 85 | 245 |   |    | 2        | 1,96    |
| N260D002XB010 | 2-6167-010  | S. Steel 316L | Satin                 | 30 | 350 | 85 | 245 |   |    | 2        | 1,96    |
| N260E001XB009 | 2-6183-009  | S. Steel 316L | Polished              | 35 | 300 | 85 | 230 |   |    | 2        | 2,05    |
| N260E001XB010 | 2-6183-010  | S. Steel 316L | Satin                 | 35 | 300 | 85 | 230 |   |    | 2        | 2,05    |
| N260E002XB009 | 2-6185-009  | S. Steel 316L | Polished              | 35 | 350 | 85 | 260 |   |    | 2        | 2,31    |
| N260E002XB010 | 2-6185-010  | S. Steel 316L | Satin                 | 35 | 350 | 85 | 260 |   |    | 2        | 2,31    |
| N260D902XB010 | 2-6167E-010 | S. Steel 304  | Satin                 | 30 | 350 | 85 | 245 |   |    | 2        | 1,96    |
| M260D001XA503 | 2-6765-503  | Aluminium     | Black                 | 30 | 300 | 85 | 225 |   |    | 2        | 1,16    |
| M260D001XA604 | 2-6765-604  | Aluminium     | Silver Anodized Satin | 30 | 300 | 85 | 225 |   |    | 2        | 1,16    |
| M260D002XA503 | 2-6767-503  | Aluminium     | Black                 | 30 | 350 | 85 | 245 |   |    | 2        | 1,28    |
| M260D002XA604 | 2-6767-604  | Aluminium     | Silver Anodized Satin | 30 | 350 | 85 | 245 |   |    | 2        | 1,28    |
| M260E001XA503 | 2-6783-503  | Aluminium     | Black                 | 35 | 300 | 85 | 230 |   |    | 2        | 1,49    |
| M260E001XA604 | 2-6783-604  | Aluminium     | Silver Anodized Satin | 35 | 300 | 85 | 230 |   |    | 2        | 1,49    |
| M260E002XA503 | 2-6785-503  | Aluminium     | Black                 | 35 | 350 | 85 | 260 |   |    | 2        | 1,68    |
| M260E002XA604 | 2-6785-604  | Aluminium     | Silver Anodized Satin | 35 | 350 | 85 | 260 |   |    | 2        | 1,68    |

2600



Round bar handle with semicircular curvature  
Poignée de barre ronde, avec courbure semi-circulaire  
Stoßgriff mit rund Profil, halbkreisförmige Biegung

| Code          | Art.        | Material      | Finishing             | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------------------|----|-----|----|-----|---|----|----------|---------|
| N270D001XB009 | 2-7163-009  | S. Steel 316L | Polished              | 30 | 300 | 85 | 159 |   |    | 2        | 1,45    |
| N270D001XB010 | 2-7163-010  | S. Steel 316L | Satin                 | 30 | 300 | 85 | 159 |   |    | 2        | 1,45    |
| N270D002XB009 | 2-7165-009  | S. Steel 316L | Polished              | 30 | 350 | 85 | 184 |   |    | 2        | 1,64    |
| N270D002XB010 | 2-7165-010  | S. Steel 316L | Satin                 | 30 | 350 | 85 | 184 |   |    | 2        | 1,64    |
| N270E002XB009 | 2-7185-009  | S. Steel 316L | Polished              | 35 | 350 | 85 | 188 |   |    | 2        | 1,87    |
| N270E002XB010 | 2-7185-010  | S. Steel 316L | Satin                 | 35 | 350 | 85 | 188 |   |    | 2        | 1,87    |
| N270E003XB009 | 2-7188-009  | S. Steel 316L | Polished              | 35 | 425 | 85 | 226 |   |    | 2        | 2,19    |
| N270E003XB010 | 2-7188-010  | S. Steel 316L | Satin                 | 35 | 425 | 85 | 226 |   |    | 2        | 2,19    |
| N270D902XB010 | 2-7165E-010 | S. Steel 304  | Satin                 | 30 | 350 | 85 | 184 |   |    | 2        | 1,64    |
| M270D001XA503 | 2-7763-503  | Aluminium     | Black                 | 30 | 300 | 85 | 159 |   |    | 2        | 0,97    |
| M270D001XA604 | 2-7763-604  | Aluminium     | Silver Anodized Satin | 30 | 300 | 85 | 159 |   |    | 2        | 0,97    |
| M270D002XA503 | 2-7765-503  | Aluminium     | Black                 | 30 | 350 | 85 | 184 |   |    | 2        | 1,10    |
| M270D002XA604 | 2-7765-604  | Aluminium     | Silver Anodized Satin | 30 | 350 | 85 | 184 |   |    | 2        | 1,10    |
| M270E003XA503 | 2-7788-503  | Aluminium     | Black                 | 35 | 425 | 85 | 226 |   |    | 2        | 1,62    |
| M270E003XA604 | 2-7788-604  | Aluminium     | Silver Anodized Satin | 35 | 425 | 85 | 226 |   |    | 2        | 1,62    |

2700



Round L-shaped curved bar handle  
Poignée de barre ronde, en forme incurvée en "L"  
Stoßgriff mit rund Profil, mit "L" Biegung



## 2800



Round "Z" curved bar handle  
Poignée de barre courbée ronde en "Z"  
Stoßgriff mit rund Profil, mit "Z" Biegung

| Code          | Art.                 | Material                      | Finishing             | Ø  | I    | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|----------------------|-------------------------------|-----------------------|----|------|----|-----|---|----|----------|---------|
| N280D002DB009 | <b>2-8166-009 DX</b> | <a href="#">S. Steel 316L</a> | Polished              | 30 | 1200 | 85 | 145 |   |    | 1        | 2,02    |
| N280D002DB010 | <b>2-8166-010 DX</b> | <a href="#">S. Steel 316L</a> | Satin                 | 30 | 1200 | 85 | 145 |   |    | 1        | 2,02    |
| N280D002SB009 | <b>2-8166-009 SX</b> | <a href="#">S. Steel 316L</a> | Polished              | 30 | 1200 | 85 | 145 |   |    | 1        | 2,02    |
| N280D002SB010 | <b>2-8166-010 SX</b> | <a href="#">S. Steel 316L</a> | Satin                 | 30 | 1200 | 85 | 145 |   |    | 1        | 2,02    |
| N280E002DB009 | <b>2-8186-009 DX</b> | <a href="#">S. Steel 316L</a> | Polished              | 35 | 1200 | 85 | 155 |   |    | 1        | 2,30    |
| N280E002DB010 | <b>2-8186-010 DX</b> | <a href="#">S. Steel 316L</a> | Satin                 | 35 | 1200 | 85 | 155 |   |    | 1        | 2,30    |
| N280E002SB009 | <b>2-8186-009 SX</b> | <a href="#">S. Steel 316L</a> | Polished              | 35 | 1200 | 85 | 155 |   |    | 1        | 2,30    |
| N280E002SB010 | <b>2-8186-010 SX</b> | <a href="#">S. Steel 316L</a> | Satin                 | 35 | 1200 | 85 | 155 |   |    | 1        | 2,30    |
| M280E002DA604 | <b>2-8786-604 DX</b> | Aluminium                     | Silver Anodized Satin | 35 | 1200 | 85 | 155 |   |    | 1        | 1,71    |
| M280E002SA604 | <b>2-8786-604 SX</b> | Aluminium                     | Silver Anodized Satin | 35 | 1200 | 85 | 155 |   |    | 1        | 1,71    |
| M280E002DA503 | <b>2-8786-503 DX</b> | Aluminium                     | Black                 | 35 | 1200 | 85 | 155 |   |    | 1        | 1,71    |
| M280E002SA503 | <b>2-8786-503 SX</b> | Aluminium                     | Black                 | 35 | 1200 | 85 | 155 |   |    | 1        | 1,71    |

## 2900



Round bar handle, arch shape, supports with round base  
Poignée de barre ronde, forme d'arc, supports avec base ronde  
Stoßgriff mit rund Profil, in Bogen Form mit runder Basis Unterstützungen

| Code          | Art.              | Material                      | Finishing             | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------------|-------------------------------|-----------------------|----|-----|----|-----|---|----|----------|---------|
| N290D001XB009 | <b>2-9165-009</b> | <a href="#">S. Steel 316L</a> | Polished              | 30 | 350 | 85 | 98  |   |    | 2        | 1,45    |
| N290D001XB010 | <b>2-9165-010</b> | <a href="#">S. Steel 316L</a> | Satin                 | 30 | 350 | 85 | 98  |   |    | 2        | 1,45    |
| N290E001XB009 | <b>2-9185-009</b> | <a href="#">S. Steel 316L</a> | Polished              | 35 | 350 | 85 | 103 |   |    | 2        | 1,65    |
| N290E001XB010 | <b>2-9185-010</b> | <a href="#">S. Steel 316L</a> | Satin                 | 35 | 350 | 85 | 103 |   |    | 2        | 1,65    |
| M290D001XA604 | <b>2-9765-604</b> | Aluminium                     | Silver Anodized Satin | 30 | 350 | 85 | 98  |   |    | 2        | 0,99    |
| M290D002XA604 | <b>2-9768-604</b> | Aluminium                     | Silver Anodized Satin | 30 | 500 | 85 | 118 |   |    | 2        | 1,29    |
| M290E002XA604 | <b>2-9788-604</b> | Aluminium                     | Silver Anodized Satin | 35 | 500 | 85 | 123 |   |    | 2        | 1,62    |

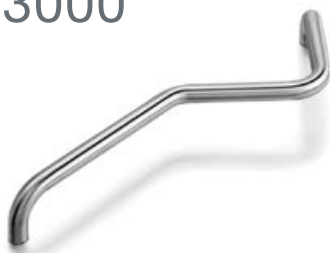
## 2902



Round bar handle, calandered arch shape with round base supports  
Poignée de barre ronde, forme d'arc calandré avec supports de base ronds  
Stoßgriff mit rund Profil, in Form eines kalandrierten Bogens, mit rundiger Basis Unterstützungen

| Code          | Art.              | Material                      | Finishing             | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------------|-------------------------------|-----------------------|----|-----|----|-----|---|----|----------|---------|
| N292D002XB009 | <b>2-9262-009</b> | <a href="#">S. Steel 316L</a> | Polished              | 30 | 300 | 85 | 180 |   |    | 2        | 1,58    |
| N292D002XB010 | <b>2-9262-010</b> | <a href="#">S. Steel 316L</a> | Satin                 | 30 | 300 | 85 | 180 |   |    | 2        | 1,58    |
| N292D001XB009 | <b>2-9265-009</b> | <a href="#">S. Steel 316L</a> | Polished              | 30 | 425 | 85 | 180 |   |    | 2        | 1,83    |
| N292D001XB010 | <b>2-9265-010</b> | <a href="#">S. Steel 316L</a> | Satin                 | 30 | 425 | 85 | 180 |   |    | 2        | 1,83    |
| N292E001XB009 | <b>2-9283-009</b> | <a href="#">S. Steel 316L</a> | Polished              | 35 | 350 | 85 | 185 |   |    | 2        | 1,90    |
| N292E001XB010 | <b>2-9283-010</b> | <a href="#">S. Steel 316L</a> | Satin                 | 35 | 350 | 85 | 185 |   |    | 2        | 1,90    |
| M292D002XA604 | <b>2-9862-604</b> | Aluminium                     | Silver Anodized Satin | 30 | 300 | 85 | 180 |   |    | 2        | 1,05    |
| M292E001XA503 | <b>2-9883-503</b> | Aluminium                     | Black                 | 35 | 350 | 85 | 185 |   |    | 2        | 1,41    |
| M292E001XA604 | <b>2-9883-604</b> | Aluminium                     | Silver Anodized Satin | 35 | 350 | 85 | 185 |   |    | 2        | 1,41    |

## 3000



Round bar handle, high curved "L" shaped handgrip  
Poignée ronde, prise haute en forme de "L" incurvée  
Stoßgriff mit rund Profil, höhe geformt Handgriff mit "L" Biegung

| Code          | Art.                 | Material                      | Finishing | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|----------------------|-------------------------------|-----------|----|-----|----|-----|---|----|----------|---------|
| N300D001DB009 | <b>3-0166-009 DX</b> | <a href="#">S. Steel 316L</a> | Polished  | 30 | 650 | 85 | 165 |   |    | 1        | 1,24    |
| N300D001DB010 | <b>3-0166-010 DX</b> | <a href="#">S. Steel 316L</a> | Satin     | 30 | 650 | 85 | 165 |   |    | 1        | 1,24    |
| N300D001SB009 | <b>3-0166-009 SX</b> | <a href="#">S. Steel 316L</a> | Polished  | 30 | 650 | 85 | 165 |   |    | 1        | 1,24    |
| N300D001SB010 | <b>3-0166-010 SX</b> | <a href="#">S. Steel 316L</a> | Satin     | 30 | 650 | 85 | 165 |   |    | 1        | 1,24    |

## 4000



Handle with round bar and spacers  
Poignée avec barre ronde et supports  
Stoßgriff mit rund Profil und Abstandhalter

| Code          | Art.        | Material      | Finishing | Ø  | I    | L    | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------|----|------|------|----|---|----|----------|---------|
| N400C002XB009 | 4-0042-009  | S. Steel 316L | Polished  | 25 | 300  | 450  | 70 |   | 25 | 2        | 1,74    |
| N400C002XB010 | 4-0042-010  | S. Steel 316L | Satin     | 25 | 300  | 450  | 70 |   | 25 | 2        | 1,74    |
| N400C001XB009 | 4-0048-009  | S. Steel 316L | Polished  | 25 | 500  | 650  | 70 |   | 25 | 2        | 2,36    |
| N400C001XB010 | 4-0048-010  | S. Steel 316L | Satin     | 25 | 500  | 650  | 70 |   | 25 | 2        | 2,36    |
| N400C016XB009 | 4-0050-009  | S. Steel 316L | Polished  | 25 | 800  | 1000 | 70 |   | 25 | 2        | 3,32    |
| N400C016XB010 | 4-0050-010  | S. Steel 316L | Satin     | 25 | 800  | 1000 | 70 |   | 25 | 2        | 3,32    |
| N400C007XB009 | 4-0052-009  | S. Steel 316L | Polished  | 25 | 1000 | 1150 | 70 |   | 25 | 2        | 3,89    |
| N400C007XB010 | 4-0052-010  | S. Steel 316L | Satin     | 25 | 1000 | 1150 | 70 |   | 25 | 2        | 3,89    |
| N400C069XB009 | 4-0054-009  | S. Steel 316L | Polished  | 25 | 1200 | 1600 | 70 |   | 25 | 2        | 4,94    |
| N400C069XB010 | 4-0054-010  | S. Steel 316L | Satin     | 25 | 1200 | 1600 | 70 |   | 25 | 2        | 4,94    |
| N400D002XB009 | 4-0064-009  | S. Steel 316L | Polished  | 30 | 350  | 500  | 75 |   | 25 | 2        | 2,22    |
| N400D002XB010 | 4-0064-010  | S. Steel 316L | Satin     | 30 | 350  | 500  | 75 |   | 25 | 2        | 2,22    |
| N400D003XB009 | 4-0066-009  | S. Steel 316L | Polished  | 30 | 500  | 650  | 75 |   | 25 | 2        | 2,75    |
| N400D003XB010 | 4-0066-010  | S. Steel 316L | Satin     | 30 | 500  | 650  | 75 |   | 25 | 2        | 2,75    |
| N400D004XB009 | 4-0068-009  | S. Steel 316L | Polished  | 30 | 650  | 800  | 75 |   | 25 | 2        | 3,29    |
| N400D004XB010 | 4-0068-010  | S. Steel 316L | Satin     | 30 | 650  | 800  | 75 |   | 25 | 2        | 3,29    |
| N400D028XB009 | 4-0061-009  | S. Steel 316L | Polished  | 30 | 1000 | 1150 | 75 |   | 25 | 2        | 4,53    |
| N400D028XB010 | 4-0061-010  | S. Steel 316L | Satin     | 30 | 1000 | 1150 | 75 |   | 25 | 2        | 4,53    |
| N400E001XB009 | 4-0082-009  | S. Steel 316L | Polished  | 35 | 350  | 500  | 80 |   | 30 | 2        | 2,50    |
| N400E001XB010 | 4-0082-010  | S. Steel 316L | Satin     | 35 | 350  | 500  | 80 |   | 30 | 2        | 2,50    |
| N400E002XB009 | 4-0085-009  | S. Steel 316L | Polished  | 35 | 500  | 650  | 80 |   | 30 | 2        | 3,11    |
| N400E002XB010 | 4-0085-010  | S. Steel 316L | Satin     | 35 | 500  | 650  | 80 |   | 30 | 2        | 3,11    |
| N400D901XB010 | 4-0062E-010 | S. Steel 304  | Satin     | 30 | 300  | 450  | 75 |   | 25 | 2        | 2,10    |
| N400D902XB010 | 4-0064E-010 | S. Steel 304  | Satin     | 30 | 350  | 500  | 75 |   | 25 | 2        | 2,22    |
| N400D903XB010 | 4-0066E-010 | S. Steel 304  | Satin     | 30 | 500  | 650  | 75 |   | 25 | 2        | 2,76    |
| N400D928XB010 | 4-0070E-010 | S. Steel 304  | Satin     | 30 | 1000 | 1150 | 75 |   | 25 | 2        | 4,54    |

| SPECIAL     | Material        | Finishing | Ø | I | L | H | Øc |
|-------------|-----------------|-----------|---|---|---|---|----|
| SP-4000-Ø-I | stainless steel | polished  |   |   |   |   |    |
| SP-4000-Ø-I | stainless steel | satin     |   |   |   |   |    |

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| Code          | Art.        | Material      | Finishing | Ø  | I    | L    | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------|----|------|------|----|-----|----|----------|---------|
| N411C001XB009 | 4-0142-009  | S. Steel 316L | Polished  | 25 | 300  | 450  | 93 | 109 | 25 | 2        | 2,12    |
| N411C001XB010 | 4-0142-010  | S. Steel 316L | Satin     | 25 | 300  | 450  | 93 | 109 | 25 | 2        | 2,12    |
| N411D001XB009 | 4-0164-009  | S. Steel 316L | Polished  | 30 | 350  | 500  | 93 | 109 | 25 | 2        | 2,60    |
| N411D001XB010 | 4-0164-010  | S. Steel 316L | Satin     | 30 | 350  | 500  | 93 | 109 | 25 | 2        | 2,60    |
| N411D002XB009 | 4-0166-009  | S. Steel 316L | Polished  | 30 | 500  | 650  | 93 | 109 | 25 | 2        | 3,13    |
| N411D002XB010 | 4-0166-010  | S. Steel 316L | Satin     | 30 | 500  | 650  | 93 | 109 | 25 | 2        | 3,13    |
| N411D003XB009 | 4-0168-009  | S. Steel 316L | Polished  | 30 | 650  | 800  | 93 | 109 | 25 | 2        | 3,67    |
| N411D003XB010 | 4-0168-010  | S. Steel 316L | Satin     | 30 | 650  | 800  | 93 | 109 | 25 | 2        | 3,67    |
| N411D004XB009 | 4-0161-009  | S. Steel 316L | Polished  | 30 | 1000 | 1150 | 93 | 109 | 25 | 2        | 4,90    |
| N411D004XB010 | 4-0161-010  | S. Steel 316L | Satin     | 30 | 1000 | 1150 | 93 | 109 | 25 | 2        | 4,90    |
| N411E002XB009 | 4-0185-009  | S. Steel 316L | Polished  | 35 | 500  | 650  | 91 | 109 | 30 | 2        | 3,50    |
| N411E002XB010 | 4-0185-010  | S. Steel 316L | Satin     | 35 | 500  | 650  | 91 | 109 | 30 | 2        | 3,50    |
| N411C901XB010 | 4-0142E-010 | S. Steel 304  | Satin     | 25 | 300  | 450  | 93 | 109 | 25 | 2        | 2,12    |
| N411D901XB010 | 4-0164E-010 | S. Steel 304  | Satin     | 30 | 350  | 500  | 93 | 109 | 25 | 2        | 2,60    |
| N411D902XB010 | 4-0166E-010 | S. Steel 304  | Satin     | 30 | 500  | 650  | 93 | 109 | 25 | 2        | 3,13    |
| N411D903XB010 | 4-0168E-010 | S. Steel 304  | Satin     | 30 | 650  | 800  | 93 | 109 | 25 | 2        | 3,67    |
| N411D904XB010 | 4-0161E-010 | S. Steel 304  | Satin     | 30 | 1000 | 1150 | 93 | 109 | 25 | 2        | 4,90    |
| N411E902XB010 | 4-0185E-010 | S. Steel 304  | Satin     | 35 | 500  | 650  | 91 | 109 | 30 | 2        | 3,50    |

| SPECIAL     | Material        | Finishing | Ø | I | L | H | B | Øc |
|-------------|-----------------|-----------|---|---|---|---|---|----|
| SP-4010-Ø-I | stainless steel | polished  |   |   |   |   |   |    |
| SP-4010-Ø-I | stainless steel | satin     |   |   |   |   |   |    |

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## 4010



Handle with round bar and 45° inclined spacers  
Poignée avec barre ronde et supports inclinées à 45°  
Stoßgriff mit rund Profil und 45° geneigte Abstandhalter



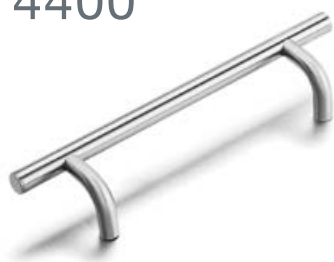
## 4300



Round bar handle with semicircular curvature and reduced spacers  
Poignée ronde avec courbure semi-circulaire et supports réduites  
Stoßgriff mit rund Profil, mit halbkreisförmiger Biegung und verkürzte Abstandhalter

| Code          | Art.       | Material      | Finishing | Ø  | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|---|----|-----|----|----------|---------|
| N430D001XB009 | 4-3064-009 | S. Steel 316L | Polished  | 30 | 300 |   | 75 | 175 | 25 | 2        | 2,04    |
| N430D001XB010 | 4-3064-010 | S. Steel 316L | Satin     | 30 | 300 |   | 75 | 175 | 25 | 2        | 2,04    |
| N430E001XB009 | 4-3085-009 | S. Steel 316L | Polished  | 35 | 350 |   | 80 | 210 | 30 | 2        | 2,66    |
| N430E001XB010 | 4-3085-010 | S. Steel 316L | Satin     | 35 | 350 |   | 80 | 210 | 30 | 2        | 2,66    |

## 4400



Handle with round bar and reduced calendered spacers  
Poignée avec barre ronde et entretoises calandrées réduites  
Stoßgriff mit rund Profil und verkürzte kalandrierte Abstandhalter

| Code          | Art.       | Material      | Finishing | Ø  | I   | L    | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|------|----|-----|----|----------|---------|
| N440D001XB009 | 4-4062-009 | S. Steel 316L | Polished  | 30 | 350 | 500  | 85 | 108 | 25 | 2        | 2,54    |
| N440D001XB010 | 4-4062-010 | S. Steel 316L | Satin     | 30 | 350 | 500  | 85 | 108 | 25 | 2        | 2,54    |
| N440D002XB009 | 4-4064-009 | S. Steel 316L | Polished  | 30 | 500 | 650  | 85 | 108 | 25 | 2        | 3,07    |
| N440D002XB010 | 4-4064-010 | S. Steel 316L | Satin     | 30 | 500 | 650  | 85 | 108 | 25 | 2        | 3,07    |
| N440E001XB009 | 4-4082-009 | S. Steel 316L | Polished  | 35 | 350 | 500  | 88 | 113 | 30 | 2        | 2,98    |
| N440E001XB010 | 4-4082-010 | S. Steel 316L | Satin     | 35 | 350 | 500  | 88 | 113 | 30 | 2        | 2,98    |
| N440E002XB009 | 4-4084-009 | S. Steel 316L | Polished  | 35 | 500 | 650  | 88 | 113 | 30 | 2        | 3,59    |
| N440E002XB010 | 4-4084-010 | S. Steel 316L | Satin     | 35 | 500 | 650  | 88 | 113 | 30 | 2        | 3,59    |
| N440E003XB009 | 4-4088-009 | S. Steel 316L | Polished  | 35 | 900 | 1050 | 88 | 113 | 30 | 2        | 5,21    |
| N440E003XB010 | 4-4088-010 | S. Steel 316L | Satin     | 35 | 900 | 1050 | 88 | 113 | 30 | 2        | 5,21    |

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| SPECIAL     | Material        | Finishing | Ø | I | L | H | B |
|-------------|-----------------|-----------|---|---|---|---|---|
| SP-4400-Ø-I | stainless steel | polished  |   |   |   |   |   |
| SP-4400-Ø-I | stainless steel | satin     |   |   |   |   |   |

## 4802



Round bar handle, curved "L" shaped central handgrip and supports  
Poignée de barre ronde, prise centrale courbée en forme de «L» et supports  
Stoßgriff mit rund Profil, zentral geformt Handgriff mit "L" Biegung und Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø  | I   | L   | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|-----|----|-----|----|----------|---------|
| N482C001XB010 | 4-8244-010 | S. Steel 316L | Satin     | 25 | 400 | 500 | 70 | 120 | 25 | 2        | 2,14    |

## 5000



Round bar handle, "U" shape with corner  
Poignée ronde, forme "U" avec angle  
Stoßgriff mit rund Profil, "U" Form mit Kante

| Code          | Art.       | Material      | Finishing | Ø  | I   | L | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|---|----|---|----|----------|---------|
| M500B003XB010 | 5-0025-010 | S. Steel 316L | Satin     | 20 | 350 |   | 60 |   |    | 2        | 0,95    |
| N500C002XB010 | 5-0045-010 | S. Steel 316L | Satin     | 25 | 300 |   | 65 |   |    | 2        | 1,01    |
| N500D004XB010 | 5-0065-010 | S. Steel 316L | Satin     | 30 | 350 |   | 70 |   |    | 2        | 1,60    |
| N500E002XB010 | 5-0085-010 | S. Steel 316L | Satin     | 35 | 350 |   | 75 |   |    | 2        | 1,63    |

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| SPECIAL     | Material        | Finishing | Ø | I | H |
|-------------|-----------------|-----------|---|---|---|
| SP-5000-Ø-I | stainless steel | polished  |   |   |   |
| SP-5000-Ø-I | stainless steel | satin     |   |   |   |

| Code          | Art.       | Material      | Finishing | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|----|-----|---|----|----------|---------|
| N520C001XB010 | 5-2046-010 | S. Steel 316L | Satin     | 25 | 350 | 65 | 80  |   |    | 2        | 1,42    |
| N520D003XB010 | 5-2066-010 | S. Steel 316L | Satin     | 30 | 350 | 70 | 100 |   |    | 2        | 1,81    |
| N520E003XB010 | 5-2086-010 | S. Steel 316L | Satin     | 35 | 350 | 75 | 115 |   |    | 2        | 2,15    |



5200

Round bar handle, "U" shape with corner, double curvature  
Poignée ronde, forme "U" avec angle, double courbure  
Stoßgriff mit rund Profil, "U" Form mit Kante, doppelte Biegung

| Code          | Art.       | Material      | Finishing | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|----|-----|---|----|----------|---------|
| N530E001XB010 | 5-3085-010 | S. Steel 316L | Satin     | 35 | 350 | 75 | 188 |   |    | 2        | 1,75    |



5300

Round corner bar handle, curved "L" shape  
Poignée de barre d'angle rond, forme en «L» courbé  
Stoßgriff mit rund Profil, "L" Biegung mit Kante

| Code          | Art.        | Material      | Finishing | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------|----|-----|----|-----|---|----|----------|---------|
| N540C001XB010 | 5-4043-010  | S. Steel 316L | Satin     | 25 | 250 | 60 | 64  |   |    | 2        | 0,95    |
| N540D003XB010 | 5-4062-010  | S. Steel 316L | Satin     | 30 | 300 | 70 | 78  |   |    | 2        | 1,38    |
| N540D001XB010 | 5-4065-010  | S. Steel 316L | Satin     | 30 | 350 | 70 | 84  |   |    | 2        | 1,56    |
| N540D002XB010 | 5-4068-010  | S. Steel 316L | Satin     | 30 | 600 | 70 | 145 |   |    | 2        | 2,55    |
| N540E001XB010 | 5-4082-010  | S. Steel 316L | Satin     | 35 | 350 | 75 | 89  |   |    | 2        | 1,82    |
| N540E002XB010 | 5-4085-010  | S. Steel 316L | Satin     | 35 | 500 | 75 | 123 |   |    | 2        | 2,48    |
| N540E003XB010 | 5-4088-010  | S. Steel 316L | Satin     | 35 | 700 | 75 | 148 |   |    | 2        | 3,32    |
| N540D901XB010 | 5-4065E-010 | S. Steel 304  | Satin     | 30 | 350 | 70 | 84  |   |    | 2        | 1,56    |
| N540D908XB010 | 5-4066E-010 | S. Steel 304  | Satin     | 30 | 500 | 70 | 120 |   |    | 2        | 2,24    |



5400

Calendered handle, round bar with corner supports  
Poignée calandree, barre ronde avec supports avec angle  
Verzinktes Stoßgriff mit rund Profil, mit kantigeren Unterstutzungen

| Code          | Art.       | Material      | Finishing | Ø  | I   | L  | H   | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|----|-----|----|-----|---|----|----------|---------|
| N550D001XB010 | 5-5063-010 | S. Steel 316L | Satin     | 30 | 300 | 70 | 188 |   |    | 2        | 1,58    |



5500

Round corner bar handle, curved "L" shape, 45° angle  
Poignée de barre avec angle ronde, forme en «L» courbé, angle de 45°  
Stoßgriff rund Profil mit Kante, mit "L" Biegung, 45° Eck

## 7000



Corner bar handle, square section  
Poignée de barre avec angle, section carrée  
Stoßgriff mit 4/eckiges Profil und Kante

| Code          | Art.       | Material      | Finishing | Ø     | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|-------|-----|-----|----|---|----|----------|---------|
| N700D002XB010 | 7-0064-010 | S. Steel 316L | Satin     | 30X30 | 300 | 330 | 75 |   |    | 2        | 1,40    |
| N700D009XB010 | 7-0086-010 | S. Steel 316L | Satin     | 30X30 | 650 | 680 | 75 |   |    | 2        | 2,60    |

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| SPECIAL     | Material        | Finishing | Ø | I | H |
|-------------|-----------------|-----------|---|---|---|
| SP-7000-Ø-I | stainless steel | satin     |   |   |   |

## 7100



Square handgrip handle, reduced straight square supports  
Poignée carrée, supports carrés droits réduits  
Stoßgriff mit 4/eckiges Handgriff, 4/eckiges gerade verkürzte Unterstützungen

| Code          | Art.        | Material      | Finishing | Ø     | I    | L    | H  | B | Øc    | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------|-------|------|------|----|---|-------|----------|---------|
| N710D001XB010 | 7-1036-010  | S. Steel 316L | Satin     | 30X30 | 350  | 500  | 75 |   | 25X25 | 2        | 1,92    |
| N710D006XB010 | 7-1066-010  | S. Steel 316L | Satin     | 30X30 | 500  | 650  | 75 |   | 25X25 | 2        | 2,40    |
| N710D002XB010 | 7-1076-010  | S. Steel 316L | Satin     | 30X30 | 650  | 800  | 75 |   | 25X25 | 2        | 3,00    |
| N710D010XB010 | 7-1067-010  | S. Steel 316L | Satin     | 30X30 | 1050 | 1200 | 75 |   | 25X25 | 2        | 4,59    |
| N710D901XB010 | 7-1036E-010 | S. Steel 304  | Satin     | 30X30 | 350  | 500  | 75 |   | 25X25 | 2        | 2,00    |
| N710D906XB010 | 7-1066E-010 | S. Steel 304  | Satin     | 30X30 | 500  | 650  | 75 |   | 25X25 | 2        | 2,40    |
| N710D902XB010 | 7-1076E-010 | S. Steel 304  | Satin     | 30X30 | 650  | 800  | 75 |   | 25X25 | 2        | 3,00    |

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| SPECIAL     | Material        | Finishing | Ø  | I | H  |
|-------------|-----------------|-----------|----|---|----|
| SP-7100-Ø-I | stainless steel | satin     | 30 |   | 75 |

## 7110



Handle with square handgrip, inclined square supports  
Poignée avec prise carrée, supports carrés inclinés  
Stoßgriff mit 4/eckiges Handgriff, 4/eckiges geneigtes Unterstützungen

| Code          | Art.        | Material      | Finishing | Ø     | I   | L   | H    | B   | Øc    | Pcs/pack | Kg/pack |
|---------------|-------------|---------------|-----------|-------|-----|-----|------|-----|-------|----------|---------|
| N711D001XB010 | 7-1166-010  | S. Steel 316L | Satin     | 30X30 | 350 | 500 | 96,5 | 115 | 30x30 | 2        | 2,20    |
| N711D002XB010 | 7-1176-010  | S. Steel 316L | Satin     | 30X30 | 500 | 650 | 96,5 | 115 | 30x30 | 2        | 2,60    |
| N711D003XB010 | 7-1186-010  | S. Steel 316L | Satin     | 30X30 | 650 | 800 | 96,5 | 115 | 30x30 | 2        | 3,00    |
| N711D904XB010 | 7-1166E-010 | S. Steel 304  | Satin     | 30X30 | 350 | 500 | 96,5 | 115 | 30x30 | 2        | 2,20    |
| N711D902XB010 | 7-1176E-010 | S. Steel 304  | Satin     | 30X30 | 500 | 650 | 96,5 | 115 | 30x30 | 2        | 2,60    |
| N711D903XB010 | 7-1186E-010 | S. Steel 304  | Satin     | 30X30 | 650 | 800 | 96,5 | 115 | 30x30 | 2        | 3,00    |

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| SPECIAL     | Material        | Finishing | Ø  | I | H  |
|-------------|-----------------|-----------|----|---|----|
| SP-7110-Ø-I | stainless steel | satin     | 30 |   | 75 |

## 7200



Square handgrip handle, straight square supports  
Poignée carrée, supports carrés droits  
Stoßgriff mit 4/eckiges Handgriff, 4/eckiges geneigtes Unterstützungen

| Code          | Art.        | Material     | Finishing | Ø     | I   | L   | H  | B | Øc    | Pcs/pack | Kg/pack |
|---------------|-------------|--------------|-----------|-------|-----|-----|----|---|-------|----------|---------|
| N720C901XB010 | 7-2066E-010 | S. Steel 304 | Satin     | 25X25 | 300 | 500 | 67 |   | 20X20 | 2        | 1,06    |
| N720C902XB010 | 7-2076E-010 | S. Steel 304 | Satin     | 25X25 | 400 | 600 | 67 |   | 20X20 | 2        | 1,20    |
| N720C903XB010 | 7-2086E-010 | S. Steel 304 | Satin     | 25X25 | 600 | 800 | 67 |   | 20X20 | 2        | 1,49    |

## 7210



Handle with square handgrip, inclined square supports  
Poignée avec prise carrée, supports carrés inclinés  
Stoßgriff mit 4/eckiges Handgriff, 4/eckiges geneigtes Unterstützungen

| Code          | Art.        | Material     | Finishing | Ø     | I   | L   | H  | B  | Øc    | Pcs/pack | Kg/pack |
|---------------|-------------|--------------|-----------|-------|-----|-----|----|----|-------|----------|---------|
| N721C901XB010 | 7-2166E-010 | S. Steel 304 | Satin     | 25X25 | 300 | 500 | 61 | 79 | 25X25 | 2        | 1,29    |
| N721C902XB010 | 7-2176E-010 | S. Steel 304 | Satin     | 25X25 | 400 | 600 | 61 | 79 | 25X25 | 2        | 1,48    |
| N721C903XB010 | 7-2186E-010 | S. Steel 304 | Satin     | 25X25 | 600 | 800 | 61 | 79 | 25X25 | 2        | 1,77    |

| Code          | Art.               | Material     | Finishing | Ø     | I   | L   | H  | B | Øc    | Pcs/pack | Kg/pack |
|---------------|--------------------|--------------|-----------|-------|-----|-----|----|---|-------|----------|---------|
| N730M901XB010 | <b>7-3066E-010</b> | S. Steel 304 | Satin     | 40X10 | 300 | 500 | 55 |   | 25X25 | 2        | 1,36    |
| N730M902XB010 | <b>7-3076E-010</b> | S. Steel 304 | Satin     | 40X10 | 400 | 600 | 55 |   | 25X25 | 2        | 1,48    |
| N730M903XB010 | <b>7-3086E-010</b> | S. Steel 304 | Satin     | 40X10 | 600 | 800 | 55 |   | 25X25 | 2        | 1,81    |



7300

Handle with flat handgrip, straight square supports  
Poignée avec prise plate, supports carrés droits  
Stoßgriff mit flachem Handgriff, 4/eckiges gerade Unterstützungen

| Code          | Art.               | Material     | Finishing | Ø     | I   | L   | H  | B  | Øc    | Pcs/pack | Kg/pack |
|---------------|--------------------|--------------|-----------|-------|-----|-----|----|----|-------|----------|---------|
| N731M901XB010 | <b>7-3166E-010</b> | S. Steel 304 | Satin     | 40X10 | 300 | 500 | 60 | 88 | 25X25 | 2        | 1,43    |
| N731M902XB010 | <b>7-3176E-010</b> | S. Steel 304 | Satin     | 40X10 | 400 | 600 | 60 | 88 | 25X25 | 2        | 1,95    |
| N731M903XB010 | <b>7-3186E-010</b> | S. Steel 304 | Satin     | 40X10 | 600 | 800 | 60 | 88 | 25X25 | 2        | 2,30    |



7310

Handle with flat handgrip, inclined square supports  
Poignée avec prise plate, supports carrés inclinés  
Stoßgriff mit flachem Handgriff, 4/eckiges geneigtes Unterstützungen

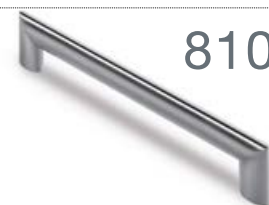
| Code          | Art.              | Material      | Finishing | Ø     | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------------|---------------|-----------|-------|-----|-----|----|---|----|----------|---------|
| N800B003XB010 | <b>8-0048-010</b> | S. Steel 316L | Satin     | 40X20 | 350 | 370 | 65 |   |    | 2        | 1,40    |
| N800B009XB010 | <b>8-0086-010</b> | S. Steel 316L | Satin     | 40X20 | 650 | 670 | 65 |   |    | 2        | 2,10    |



8000

Corner bar handle, horizontal elliptical section 40x20  
Poignée de barre avec angle, section elliptique horizontale 40x20  
Stoßgriff mit horizontalem und elliptischem Profil 40x20 und Kante

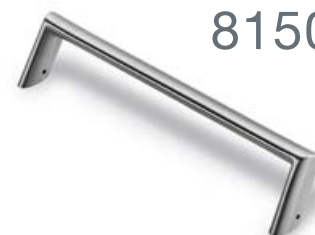
| Code          | Art.              | Material      | Finishing | Ø     | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|-------------------|---------------|-----------|-------|-----|-----|----|---|----|----------|---------|
| N810B003XB010 | <b>8-1048-010</b> | S. Steel 316L | Satin     | 40X20 | 350 | 390 | 85 |   |    | 2        | 1,40    |
| N810B009XB010 | <b>8-1086-010</b> | S. Steel 316L | Satin     | 40X20 | 650 | 690 | 85 |   |    | 2        | 2,30    |



8100

Corner bar handle, vertical elliptical section 40x20  
Poignée de barre d'angle, section elliptique verticale 40x20  
Stoßgriff mit vertikalem und elliptischem Profil 40x20 und Kante

| Code          | Art.              | Material      | Finishing | Ø     | I   | L   | H  | B  | Øc | Pcs/pack | Kg/pack |
|---------------|-------------------|---------------|-----------|-------|-----|-----|----|----|----|----------|---------|
| N815B003XB010 | <b>8-1548-010</b> | S. Steel 316L | Satin     | 40X20 | 350 | 370 | 65 | 71 |    | 2        | 1,40    |
| N815B009XB010 | <b>8-1586-010</b> | S. Steel 316L | Satin     | 40X20 | 650 | 670 | 65 | 71 |    | 2        | 2,10    |



8150

Corner bar handle, horizontal elliptical section 40x20, inclined supports Poignée de barre d'angle, section elliptique horizontale 40x20, supports inclinés  
Stoßgriff mit horizontalem und elliptischem Profil 40x20 und Kante, geneigtes Unterstützungen

## 8200



Corner bar handle, horizontal elliptical section 40x20, straight supports  
Poignée de barre d'angle, section elliptique horizontale 40x20, supports droits  
Stoßgriff mit horizontalem und elliptischem Profil 40x20 und Kante, gerade Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø     | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|-------|-----|-----|----|---|----|----------|---------|
| N820B003XB010 | 8-2048-010 | S. Steel 316L | Satin     | 40X20 | 350 | 500 | 65 |   |    | 2        | 1,70    |
| N820B007XB010 | 8-2087-010 | S. Steel 316L | Satin     | 40X20 | 550 | 700 | 65 |   |    | 2        | 2,20    |

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| SPECIAL     | Material        | Finishing | Ø     | I                                                                                   | H  |
|-------------|-----------------|-----------|-------|-------------------------------------------------------------------------------------|----|
| SP-8200-Ø-I | stainless steel | satin     | 40x20 |  | 65 |

## 8300



Elliptical horizontal section handle 40x20, curved "L" shape, 45 ° angle  
Poignée elliptique à section horizontale 40x20, forme "L" courbée, angle 45 °  
Stoßgriff mit horizontalem und elliptischem Profil 40x20, mit "L" Biegung, 45 ° Eck

| Code          | Art.       | Material      | Finishing | Ø     | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|-------|-----|---|----|-----|----|----------|---------|
| N830B002XB010 | 8-3048-010 | S. Steel 316L | Satin     | 40X20 | 350 |   | 65 | 220 |    | 2        | 1,70    |
| N830B003XB010 | 8-3088-010 | S. Steel 316L | Satin     | 40X20 | 425 |   | 65 | 255 |    | 2        | 2,00    |

## 9000



Plate handgrip handle, straight rectangular supports  
Poignée de prise plate, supports à section rectangulaire droite  
Stoßgriff mit flachem Handgriff, mit gerade rechteckigen Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø    | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|-----|----|---|----|----------|---------|
| N900D003XB010 | 9-0048-010 | S. Steel 316L | Satin     | 30X8 | 350 | 400 | 48 |   |    | 2        | 3,40    |
| N900D007XB010 | 9-0087-010 | S. Steel 316L | Satin     | 30X8 | 550 | 600 | 48 |   |    | 2        | 4,20    |

## 9100



Plate handgrip handle, straight square supports  
Poignée de prise plate, supports à section carré inclinés  
Stoßgriff mit flachem Handgriff, mit geneigten vertikalen rechteckigen Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø    | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|-----|----|---|----|----------|---------|
| N910D003XB010 | 9-1048-010 | S. Steel 316L | Satin     | 30X8 | 350 | 400 | 48 |   |    | 2        | 2,60    |
| N910D007XB010 | 9-1087-010 | S. Steel 316L | Satin     | 30X8 | 550 | 600 | 48 |   |    | 2        | 3,40    |

## 9150



Curved handle, with flat bar handgrip, semicircular curvature, inclined square section supports  
Poignée incurvée, avec prise à barre plate, courbure semi-circulaire, supports de section carrée inclinée  
"U" Form Stoßgriff mit flachem Handgriff, mit halbkreisförmiger Biegung und 4/eckiges Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø    | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|---|----|-----|----|----------|---------|
| N915D003XB010 | 9-1548-010 | S. Steel 316L | Satin     | 30X8 | 350 |   | 48 | 250 |    | 2        | 3,60    |

| Code          | Art.       | Material      | Finishing | Ø    | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|-----|----|---|----|----------|---------|
| N920D003XB010 | 9-2048-010 | S. Steel 316L | Satin     | 30X8 | 350 | 500 | 60 |   |    | 2        | 3,20    |
| N920D007XB010 | 9-2087-010 | S. Steel 316L | Satin     | 30X8 | 550 | 700 | 60 |   |    | 2        | 4,00    |

| SPECIAL     | Material        | Finishing | Ø    | I                                                                                 | H  |
|-------------|-----------------|-----------|------|-----------------------------------------------------------------------------------|----|
| SP-9200-Ø-I | stainless steel | satin     | 30x8 |  | 60 |

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9200

Handle with flat handgrip, square section inclined side supports  
Poignée avec prise plate, supports latéraux inclinés de section carrée  
Stoßgriff mit flachem Handgriff, 4/eckiges seitliches geneigtes Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø    | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|---|----|-----|----|----------|---------|
| N930D006XB010 | 9-3066-010 | S. Steel 316L | Satin     | 30X8 | 500 |   | 48 | 100 |    | 2        | 3,20    |
| N930D010XB010 | 9-3089-010 | S. Steel 316L | Satin     | 30X8 | 700 |   | 48 | 110 |    | 2        | 4,00    |



9300

Calendered handle, with flat bar handgrip, inclined square section supports  
Poignée calandree, avec prise à barre plate, supports de section carrée inclinée  
Verzinktes Stoßgriff mit flachem "U"formiges Handgriff, 4/eckiges Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø    | I   | L   | H  | B  | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|-----|----|----|----|----------|---------|
| N940D003XB010 | 9-4048-010 | S. Steel 316L | Satin     | 30X8 | 350 | 500 | 53 | 76 |    | 2        | 3,10    |
| N940D007XB010 | 9-4087-010 | S. Steel 316L | Satin     | 30X8 | 550 | 700 | 53 | 76 |    | 2        | 3,90    |

| SPECIAL     | Material        | Finishing | Ø    | I                                                                                   | H  |
|-------------|-----------------|-----------|------|-------------------------------------------------------------------------------------|----|
| SP-9400-Ø-I | stainless steel | satin     | 30x8 |  | 48 |

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9400

Plate handgrip handle, inclined round supports  
Poignée de prise plate, supports ronds inclinés  
Stoßgriffe mit flachem Handgriff, rundes und geneigtes Unterstützungen

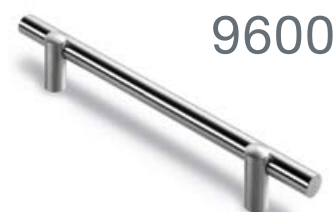
| Code          | Art.       | Material      | Finishing | Ø    | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|------|-----|-----|----|---|----|----------|---------|
| N950D003XB010 | 9-5048-010 | S. Steel 316L | Satin     | 30X8 | 350 | 500 | 48 |   |    | 2        | 2,90    |
| N950D007XB010 | 9-5087-010 | S. Steel 316L | Satin     | 30X8 | 550 | 700 | 48 |   |    | 2        | 3,70    |



9500

Plate handgrip handle, straight round supports  
Poignée de prise plate, supports ronds droits  
Stoßgriffe mit flachem Handgriff, gerade rundes Unterstützungen

| Code          | Art.       | Material      | Finishing | Ø     | I   | L   | H  | B | Øc | Pcs/pack | Kg/pack |
|---------------|------------|---------------|-----------|-------|-----|-----|----|---|----|----------|---------|
| N960D003XB010 | 9-6048-010 | S. Steel 316L | Satin     | 30X30 | 350 | 500 | 80 |   |    | 2        | 2,40    |
| N960D007XB010 | 9-6087-010 | S. Steel 316L | Satin     | 30X30 | 550 | 700 | 80 |   |    | 2        | 2,70    |



9600

Round handgrip handle, straight round supports  
Poignée de prise ronde, supports ronds droits  
Stoßgriffe mit rundem Handgriff, gerade rundes Unterstützungen



6300



Round, U-shaped curved bar handle, nylon  
 Poignée de barre courbée ronde en forme de "U", nylon  
 Stoßgriff mit rund Profil, mit "U" Biegung, nylon

| Code         | Art.              | Material | Finishing | Ø     | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|--------------|-------------------|----------|-----------|-------|-----|---|----|-----|----|----------|---------|
| 13063000 503 | <b>6-3085-503</b> | NYLON    | Black     | 35X35 | 350 |   | 80 | 120 |    | 2        | 1,00    |

6400



Round "U" bar handle, nylon  
 Poignée ronde en "U", nylon  
 Stoßgriff mit rund Profil, "U" Form, nylon

| Code         | Art.              | Material | Finishing | Ø     | I   | L | H  | B | Øc | Pcs/pack | Kg/pack |
|--------------|-------------------|----------|-----------|-------|-----|---|----|---|----|----------|---------|
| 13064000 503 | <b>6-4065-503</b> | NYLON    | Black     | 30X30 | 225 |   | 80 |   |    | 2        | 0,60    |
| 13064001 503 | <b>6-4085-503</b> | NYLON    | Black     | 35X35 | 350 |   | 80 |   |    | 2        | 1,10    |

6500



Round bar handle, double curved, nylon  
 Poignée de barre ronde, double courbée, nylon  
 Stoßgriff mit rund Profil, mit doppelter Biegung, nylon

| Code         | Art.              | Material | Finishing | Ø     | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|--------------|-------------------|----------|-----------|-------|-----|---|----|-----|----|----------|---------|
| 13065001 512 | <b>6-5085-512</b> | NYLON    | White     | 35X35 | 350 |   | 80 | 140 |    | 2        | 1,20    |
| 13065001 503 | <b>6-5085-503</b> | NYLON    | Black     | 35X35 | 350 |   | 80 | 140 |    | 2        | 1,20    |

6700



Round, L-shaped curved bar handle, nylon  
 Poignée de barre courbée ronde en forme de "L", nylon  
 Stoßgriff mit rund Profil, mit "L" Biegung, nylon

| Code         | Art.              | Material | Finishing | Ø     | I   | L | H  | B   | Øc | Pcs/pack | Kg/pack |
|--------------|-------------------|----------|-----------|-------|-----|---|----|-----|----|----------|---------|
| 13067000 503 | <b>6-7085-503</b> | NYLON    | Black     | 35X35 | 425 |   | 80 | 226 |    | 2        | 1,80    |

| Code           | Art.                                                      | Material     | Finishing  | Pcs/pack | Kg/pack |
|----------------|-----------------------------------------------------------|--------------|------------|----------|---------|
| NHASMA001XB018 | <b>FIRENZE RQ - Pair of door handles with square rose</b> | S. Steel 304 | Anthracite | 1        | 1,25    |
| NHASMT001XB018 | <b>FIRENZE DK - Handle DK movement</b>                    | S. Steel 304 | Anthracite | 1        | 0,8     |

## FIRENZE



INCLUDED

| Code           | Art.                                                        | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|-------------------------------------------------------------|--------------|-----------|----------|---------|
| NHACMA003XB010 | <b>BARCELLONA RT - Pair of door handles with round rose</b> | S. Steel 304 | Satin     | 10       | 3,32    |
| NHAOMA003XB010 | <b>BARCELLONA RO - Pair of door handles with oval rose</b>  | S. Steel 304 | Satin     | 10       | 3,11    |
| NHAOMT003XB010 | <b>BARCELLONA DK - Handle DK movement</b>                   | S. Steel 304 | Satin     | 20       | 3,62    |

## BARCELLONA



| Code           | Art.                                                    | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|---------------------------------------------------------|--------------|-----------|----------|---------|
| NHACMA004XB010 | <b>PARIGI RT - Pair of door handles with round rose</b> | S. Steel 304 | Satin     | 10       | 3,31    |
| NHAOMA004XB010 | <b>PARIGI RO - Pair of door handles with oval rose</b>  | S. Steel 304 | Satin     | 10       | 2,97    |
| NHAOMT004XB010 | <b>PARIGI DK - Handle DK movement</b>                   | S. Steel 304 | Satin     | 20       | 3,26    |

## PARIGI



| Code           | Art.                                          | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|-----------------------------------------------|--------------|-----------|----------|---------|
| NHAOMS004XB010 | <b>PARIGI ALZANTE - Lift and slide handle</b> | S. Steel 304 | Satin     | 1        | 0,71    |



## BERLINO



| Code           | Art.                                                    | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|---------------------------------------------------------|--------------|-----------|----------|---------|
| NHASMA005XB010 | BERLINO RQ - Pair of door handles with square rose      | S. Steel 304 | Satin     | 10       | 3,12    |
| NHARMA005XB010 | BERLINO RR - Pair of door handles with rectangular rose | S. Steel 304 | Satin     | 10       | 2,92    |
| NHASMT005XB010 | BERLINO DK - Handle DK movement                         | S. Steel 304 | Satin     | 20       | 3,3     |



| Code           | Art.                                    | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|-----------------------------------------|--------------|-----------|----------|---------|
| NHARMS005XB010 | BERLINO ALZANTE - Lift and slide handle | S. Steel 304 | Satin     | 1        | 0,91    |

## MOSCA



| Code           | Art.                                            | Material  | Finishing | Pcs/pack | Kg/pack |
|----------------|-------------------------------------------------|-----------|-----------|----------|---------|
| NHACMA002XA009 | MOSCA RT - Pair of door handles with round rose | Aluminium | Silver    | 10       | 2,8     |
| NHAOMA002XA009 | MOSCA RO - Pair of door handles with oval rose  | Aluminium | Silver    | 10       | 2,7     |
| NHAOMT002XA512 | MOSCA DK - Handle DK movement                   | Aluminium | White     | 20       | 3,24    |
| NHAOMT002XA603 | MOSCA DK - Handle DK movement                   | Aluminium | Bronze    | 20       | 3,24    |
| NHAOMT002XA602 | MOSCA DK - Handle DK movement                   | Aluminium | Gold      | 20       | 3,24    |
| NHAOMT002XA009 | MOSCA DK - Handle DK movement                   | Aluminium | Silver    | 20       | 3,24    |
| NHAOMT002XA503 | MOSCA DK - Handle DK movement                   | Aluminium | Black     | 20       | 3,24    |

## KNOBS



| Code           | Art.                                  | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|---------------------------------------|--------------|-----------|----------|---------|
| NHASPO005XB010 | BERLINO Square knob, square base      | S. Steel 304 | Satin     | 15       | 1,4     |
| NHACPO005XB010 | BERLINO Square knob, round base       | S. Steel 304 | Satin     | 15       | 1,4     |
| NHACPO003XB010 | BARCELLONA Spherical knob, round base | S. Steel 304 | Satin     | 15       | 17      |
| NHACPO004XB010 | PARIGI Cylindrical knob, round base   | S. Steel 304 | Satin     | 15       | 18,2    |

## Accessories

| Code           | Art.                              | Material     | Finishing | Pcs/pack | Kg/pack |
|----------------|-----------------------------------|--------------|-----------|----------|---------|
| NHASFB005XB010 | BERLINO - Thumb turn square knob  | S. Steel 304 | Satin     | 20       | 5,86    |
| NHACFB003XB010 | BARCELONA - Thumb turn round knob | S. Steel 304 | Satin     | 20       | 5,2     |
| NHACBB001XB010 | Round nozzle yale keyhole         | S. Steel 304 | Satin     | 20       | 0,656   |
| NHACBB002XB010 | Round nozzle patent keyhole       | S. Steel 304 | Satin     | 20       | 0,617   |
| NHASBB001XB010 | Square nozzle yale keyhole        | S. Steel 304 | Satin     | 20       | 0,828   |
| NHASBB002XB010 | Square nozzle patent keyhole      | S. Steel 304 | Satin     | 20       | 0,8     |
| NHARBB001XB010 | Rectangular nozzle yale keyhole   | S. Steel 304 | Satin     | 20       | 0,72    |
| NHARBB002XB010 | Rectangular nozzle patent keyhole | S. Steel 304 | Satin     | 20       | 0,244   |
| NHAOBB001XB010 | Oval nozzle yale keyhole          | S. Steel 304 | Satin     | 20       | 0,64    |
| NHAOBB002XB010 | Oval nozzle patent keyhole        | S. Steel 304 | Satin     | 20       | 0,6084  |



## FIXINGS SYSTEM

| DOOR TYPE |        |                             | Ø              | ALUMINUM | NYLON       |
|-----------|--------|-----------------------------|----------------|----------|-------------|
|           |        |                             |                | 2000     | 2100        |
| GLASS     | SINGLE | SEMISPHERICAL STUD          | Ø20            |          |             |
|           |        |                             | Ø25            | F7024    |             |
|           |        |                             | Ø30            | F7026    | - F0026     |
|           |        |                             | Ø35            | F0028    | -           |
|           |        |                             | other sections |          |             |
|           | DOUBLE | DOUBLE APPLICATION          | Ø20            |          |             |
|           |        |                             | Ø25            | F7014    |             |
|           |        |                             | Ø30            | F7016    | - F0016     |
|           |        |                             | Ø35            | F7016    | F0018       |
|           |        |                             | other sections |          |             |
| ALUMINIUM | SINGLE | QUICK CONNECT FITTING       | Ø20            |          |             |
|           |        |                             | Ø25            | F1114    |             |
|           |        |                             | Ø30            | F1116    | - F1114     |
|           |        |                             | Ø35            | F1116    | F0068       |
|           |        |                             | other sections |          |             |
|           |        | THROUGH HOLE WITH CAP       | Ø20            |          |             |
|           |        |                             | Ø25            | F7044    |             |
|           |        |                             | Ø30            | F7046    | F7046 F0046 |
|           |        |                             | Ø35            | F7046    | F0048       |
|           |        |                             | other sections |          |             |
|           |        | TO BE MILLED                | Ø20            |          |             |
|           |        |                             | Ø25            | F7034    |             |
|           |        |                             | Ø30            | F7036    | F7036 F0036 |
|           |        |                             | Ø35            | F7036    | F0038       |
|           |        |                             | other sections |          |             |
|           |        | TRIPLE CHAMBER SELF TAPPING | Ø20            |          |             |
|           |        |                             | Ø25            | F1119    |             |
|           |        |                             | Ø30            | F1120    | F1120 -     |
|           |        |                             | Ø35            | F1120    | -           |
|           |        |                             | other sections |          |             |
|           |        | WITH PLATE                  | Ø20            |          |             |
|           |        |                             | Ø25            | F7054    |             |
|           |        |                             | Ø30            | F7056    | - F0056     |
|           |        |                             | Ø35            | F7058    | F0058       |
|           |        |                             | other sections |          |             |
|           | DOUBLE | DOUBLE APPLICATION          | Ø20            |          |             |
|           |        |                             | Ø25            | F7014    |             |
|           |        |                             | Ø30            | F7016    | F7016 F0016 |
|           |        |                             | Ø35            | F7016    | F0018       |
|           |        |                             | other sections |          |             |
| WOOD      | SINGLE | SELF TAPPING                | Ø20            |          |             |
|           |        |                             | Ø25            | F1119W   |             |
|           |        |                             | Ø30            | F1120W   | F1120W -    |
|           |        |                             | Ø35            | F1120W   | -           |
|           |        |                             | other sections |          |             |
|           | DOUBLE | DOUBLE APPLICATION          | Ø20            |          |             |
|           |        |                             | Ø25            | F7014    |             |
|           |        |                             | Ø30            | F7016    | F7016 F0016 |
|           |        |                             | Ø35            | F7016    | F0018       |
|           |        |                             | other sections |          |             |

| STAINLESS STEEL |        |        |        |        |         |        |
|-----------------|--------|--------|--------|--------|---------|--------|
| 2000            | 2100   | 4000   | 4010   | 7000   | 8000    | 9000   |
| F1022           |        |        |        |        |         |        |
| F1325           | -      | F1325  | F1325  |        |         |        |
| F1330           | -      | F1325  | F1325  |        |         |        |
| F1335           |        | F1330  | F1330  |        |         |        |
|                 |        |        |        | -      | -       | -      |
| F1012           |        |        |        |        |         |        |
| F2001           | -      | F2001  | F2001  |        |         |        |
| F2001           | -      | F2001  | F2001  |        |         |        |
| F2001           |        | F2001  | F2001  |        |         |        |
|                 |        |        |        | F2001  | F1012   | F2001  |
| F1112           |        |        |        |        |         |        |
| F1000           | -      | F1000  | -      |        |         |        |
| F1000           | -      | F1000  | -      |        |         |        |
| F1000           |        | F1000  | -      |        |         |        |
|                 |        |        |        | F1000  | -       | F1000  |
| F1042           |        |        |        |        |         |        |
| F1200           | -      | F1200  | F1200  |        |         |        |
| F1200           | F7046  | F1200  | F1200  |        |         |        |
| F1200           |        | F1200  | F1200  |        |         |        |
|                 |        |        |        | F1200  | F1042   | F1200  |
| F1032           |        |        |        |        |         |        |
| F1100           | F1094  | F1100  | F1100  |        |         |        |
| F1100           | F7036  | F1100  | F1100  |        |         |        |
| F1100           |        | F1100  | F1100  |        |         |        |
|                 |        |        |        | F1100  | F1032   | F1100  |
| -               |        |        |        |        |         |        |
| F1400           | -      | F1400  | F1400  |        |         |        |
| F1400           | F1120  | F1400  | F1400  |        |         |        |
| F1400           |        | F1400  | F1400  |        |         |        |
|                 |        |        |        | F1400  | F1400E  | F1400  |
| F1052           |        |        |        |        |         |        |
| F3025           | -      | F3025  | -      |        |         |        |
| F3030           | -      | F3025  | -      |        |         |        |
| F3035           |        | F3030  | -      |        |         |        |
|                 |        |        |        | -      | -       | -      |
| F1012           |        |        |        |        |         |        |
| F2000           | F1084  | F2000  | F2000  |        |         |        |
| F2000           | F7016  | F2000  | F2000  |        |         |        |
| F2000           |        | F2000  | F2000  |        |         |        |
|                 |        |        |        | F2000  | F1012   | F2000  |
| -               |        |        |        |        |         |        |
| F1400W          | -      | F1400W | F1400W |        |         |        |
| F1400W          | F1120W | F1400W | F1400W |        |         |        |
| F1400W          |        | F1400W | F1400W |        |         |        |
|                 |        |        |        | F1400W | F1400WE | F1400W |
| F1012           |        |        |        |        |         |        |
| F2000           | F1084  | F2000  | F2000  |        |         |        |
| F2000           | F7016  | F2000  | F2000  |        |         |        |
| F2000           |        | F2000  | F2000  |        |         |        |
|                 |        |        |        | F2000  | F1012   | F2000  |



## F0016

Adjustable double fixing for nylon pull-handles on tubular profiles and glass doors  
 Fixation double réglable pour poignées en nylon, sur profils tubulaires et portes en verre  
 Verstellbares Montageset paarweise für Nylonstosssgriffe auf röhrenförmigen Profilen und Ganzglastüren



| Code     | Art.         | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11111530 | <b>F0016</b> | Glass     | D               | Nylon                |           | 30            | M6 | 10 | 1        | 0,2     |

## F0018

Adjustable double fixing for nylon pull-handles on tubular profiles and glass doors  
 Fixation double réglable pour poignées en nylon, sur profils tubulaires et portes en verre  
 Verstellbares Montageset paarweise für Nylonstosssgriffe auf röhrenförmigen Profilen und Ganzglastüren



| Code     | Art.         | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11103435 | <b>F0018</b> | Glass     | D               | Nylon                |           | 35            | M8 | 11,5 | 1        | 0,2     |

## F0026

Single fixing for nylon pull-handles for glass doors  
 Fixation simple pour poignées en nylon, pour en verre variable  
 Montageset einseitig für Nylonstosssgriffe an Ganzglastüren



| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11111030 | <b>F0026B</b> | Glass     | S               | Nylon                | White     | 30            | M6 | 10 | 1        | 0,1     |
| 11111031 | <b>F0026N</b> | Glass     | S               | Nylon                | Black     | 30            | M6 | 10 | 1        | 0,1     |

## F0028

Single fixing for nylon pull-handles for glass doors  
 Fixation simple pour poignées en nylon, pour en verre variable  
 Montageset einseitig für Nylonstosssgriffe an Ganzglastüren



| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11102435 | <b>F0028B</b> | Glass     | S               | Nylon                | White     | 35            | M8 | 11,5 | 1        | 0,1     |
| 11102436 | <b>F0028N</b> | Glass     | S               | Nylon                | Black     | 35            | M8 | 11,5 | 1        | 0,1     |

## F0036

Single fixing by means of milling for tubular profiles  
 Fixation simple à fraisage pour profils tubulaires  
 Montageset einseitig zum Einfräsen für röhrenförmige Profile



| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11112030 | <b>F0036</b> | Tubular profile | S               | Nylon                |           | 30            | M6 | 10 | 1        | 0,1     |

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11116135 | <b>F0038</b> | Tubular profile | S               | Nylon                |           | 35            | M8 | 11,5 | 1        | 0,1     |



## F0038

Single fixing by means of milling for tubular profiles  
 Fixation simple à fraisage pour profils tubulaires  
 Montageset einseitig zum Einfräsen für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11113030 | <b>F0046</b> | Tubular profile | S               | Nylon                |           | 30            | M6 | 10 | 1        | 0,1     |



## F0046

Single fixing for doors with tubular profile - Through hole with cap  
 Fixation simple pour portes avec profil tubulaire - Trou traversant avec bouchon  
 Einzelbefestigung für Türen mit Rohrprofil - durchgehende Bohrung mit Verschluss

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11108135 | <b>F0048</b> | Tubular profile | S               | Nylon                |           | 35            | M8 | 11,5 | 1        | 0,1     |



## F0048

Single fixing for doors with tubular profile - Through hole with cap  
 Fixation simple pour portes avec profil tubulaire - Trou traversant avec bouchon  
 Einzelbefestigung für Türen mit Rohrprofil - durchgehende Bohrung mit Verschluss

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|----|---|----------|---------|
| 11112530 | <b>F0056B</b> | Tubular profile | S               | Nylon                | White     | 30            | M6 |   | 1        | 0,1     |
| 11112531 | <b>F0056N</b> | Tubular profile | S               | Nylon                | Black     | 30            | M6 |   | 1        | 0,1     |



## F0056

Single fixing with nylon plate for tubular profiles  
 Fixation avec rosace en nylon pour profils tubulaires  
 Montageset einseitig mit Rosette aus Nylon für röhrenförmige Profile

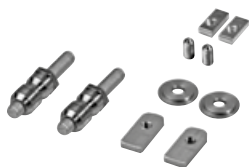
| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|----|---|----------|---------|
| 11110135 | <b>F0058B</b> | Tubular profile | S               | Nylon                | White     | 35            | M8 |   | 1        | 0,1     |
| 11110136 | <b>F0058N</b> | Tubular profile | S               | Nylon                | Black     | 35            | M8 |   | 1        | 0,1     |



## F0058

Single fixing with nylon plate for tubular profiles  
 Fixation avec rosace en nylon pour profils tubulaires  
 Montageset einseitig mit Rosette aus Nylon für röhrenförmige Profile

## F0068



Single fixing with fast hooking  
for tubular profiles  
Fixation simple avec accrochage  
rapide pour profils tubulaires  
Montageset einseitig mit schneller  
Kupplung für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11129035 | <b>F0068</b> | Tubular profile | S               | Nylon                |           | 35            | M6 | 16 | 1        | 0,85    |

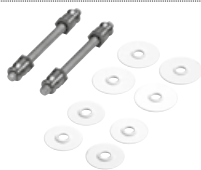
## F1000



Single fixing with fast hooking  
for tubular profiles  
Fixation simple avec accrochage  
rapide pour profils tubulaires  
Montageset einseitig mit schneller  
Kupplung für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100001 | <b>F1000</b> | Tubular profile | S               | S. Steel             |           | 25 - 30 - 35  | M6 | 16 | 1        | 0,1     |

## F1012



Double fixing adjustable for glass  
doors available for all diameters  
Fixation double réglable pour  
toutes portes en verre réglable  
pour tous les diamètres  
Verstellbares Montageset  
paarweise für Ganzglastüren für alle  
stossgriffdurchmesser geeignet

| Code     | Art.         | Door type                | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|--------------------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11101620 | <b>F1012</b> | Glass/Tubular<br>profile | D               | All./S.Steel/ 8000   |           | 20            | M6 | 10 | 1        | 0,2     |

## F1042



Single fixing with plug except  
for tubular profiles  
Fixation simple avec bouchon  
pour profils tubulaires)  
Montageset einseitig mit Stöpsel  
für röhrenförmigen Profilen

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11107220 | <b>F1042</b> | Tubular profile | S               | All./S.Steel/ 8000   |           | 20            | M6 | 10 | 1        | 0,1     |

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11109620 | <b>F1052S</b> | Tubular profile | S               | S. Steel             | Satin     | 20            | M6 | 10 | 1        | 0,28    |
| 11109621 | <b>F1052L</b> | Tubular profile | S               | S. Steel             | Polished  | 20            | M6 | 10 | 1        | 0,28    |



## F1052

Single fixing with metal plate for glass doors  
Fixation avec rosace métallique pour profils tubulaires  
Montageset zum Aufschrauben mit Rosette (nicht fuer Ganzglastueren)

| Code     | Art.         | Door type             | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11114025 | <b>F1084</b> | Glass/Tubular profile | D               | S. Steel 2100        |           | 25            | M6 | 10 | 1        | 0,1     |



## F1084

Double fixing adjustable for tubular profiles and glass doors  
Fixation double réglable pour profils tubulaires et portes en verre  
Verstellbares Montageset paarweise für röhrenförmige Profile und Ganzglastüren

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11114525 | <b>F1094</b> | Tubular profile | S               | S. Steel 2100        |           | 25            | M6 | 10 | 1        | 0,04    |



## F1094

Single fixing by means of milling for tubular profiles  
Fixation simple à fraisage pour profils tubulaires  
Montageset einseitig zum Einfräsen für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100011 | <b>F1100</b> | Tubular profile | S               | S. Steel             |           | 25 - 30 - 35  | M6 | 10 | 1        | 0,1     |



## F1100

Single fixing by means of milling for tubular profiles  
Fixation simple à fraisage pour profils tubulaires  
Montageset einseitig zum Einfräsen für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11128020 | <b>F1112</b> | Tubular profile | S               | S. Steel             |           | 20            | M6 | 16 | 1        | 0,06    |



## F1112

Single fixing with fast hooking for tubular profiles  
Fixation simple avec accrochage rapide pour profils tubulaires  
Montageset einseitig mit schneller Kupplung für röhrenförmige Profile

## F1114



Single fixing with fast hooking  
for tubular profiles  
Fixation simple avec accrochage  
rapide pour profils tubulaires  
Montageset einseitig mit schneller  
Kupplung für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11128025 | <b>F1114</b> | Tubular profile | S               | Aluminium            |           | 25            | M6 | 16 | 1        | 0,7     |

## F1116



Single fixing with fast hooking  
for tubular profiles  
Fixation simple avec accrochage  
rapide pour profils tubulaires  
Montageset einseitig mit schneller  
Kupplung für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material    | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|-------------------------|-----------|---------------|----|----|----------|---------|
| 11128030 | <b>F1116</b> | Tubular profile | S               | Nylon/2100 Ø<br>30-Alu. |           | 30 - 35 All.  | M6 | 16 | 1        | 0,85    |

F1119  
F1119W

Single fixing for profiles with triple  
chamber (Serie 2100 Inox)  
Fixation simple pour profils à trois  
chambres (Serie 2100 Inox)  
Einzelbefestigung für  
3-kammerprofile (Serie 2100 Inox)

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11108638 | <b>F1119</b>  | Tubular profile | S               | Aluminium            |           | 25 All.       |   | 8 | 1        | 0,1     |
| 11108641 | <b>F1119W</b> | Wooden doors    | S               | Aluminium            |           | 25 All.       |   | 8 | 1        | 0,1     |

F1120  
F1120W

Single fixing for profiles with triple  
chamber (Serie 2100 Inox)  
Fixation simple pour profils à trois  
chambres (Serie 2100 Inox)  
Einzelbefestigung für  
3-kammerprofile (Serie 2100 Inox)

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle                 | M | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|-------------------------------|---|---|----------|---------|
| 11108637 | <b>F1120</b>  | Tubular profile | S               | 2100 Ø 30-All.       |           | 30 SERIE<br>2100 - 35<br>All. |   | 8 | 1        | 0,05    |
| 11108640 | <b>F1120W</b> | Wooden doors    | S               | 2100 Ø 30-All.       |           | 30 SERIE<br>2100 - 35<br>All. |   | 8 | 1        | 0,1     |

## F1200



Single fixing with plug except for  
tubular profiles (through hole)  
Fixation simple avec bouchon pour  
profils tubulaires (trou passant)  
Montageset einseitig mit Stöpsel  
für röhrenförmigen Profilen  
(durchgehendes Loch)

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100021 | <b>F1200</b> | Tubular profile | S               | S. Steel             |           | 25 - 30 -35   | M6 | 10 | 1        | 0,2     |

| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100032 | <b>F1325L</b> | Glass     | S               | S. Steel             | Polished  | 25            | M6 | 10 | 1        | 0,1     |
| 11100031 | <b>F1325S</b> | Glass     | S               | S. Steel             | Satin     | 25            | M6 | 10 | 1        | 0,1     |
| 11100042 | <b>F1330L</b> | Glass     | S               | S. Steel             | Polished  | 30            | M6 | 10 | 1        | 0,1     |
| 11100041 | <b>F1330S</b> | Glass     | S               | S. Steel             | Satin     | 30            | M6 | 10 | 1        | 0,1     |
| 11100052 | <b>F1335L</b> | Glass     | S               | S. Steel             | Polished  | 35            | M6 | 10 | 1        | 0,1     |
| 11100051 | <b>F1335S</b> | Glass     | S               | S. Steel             | Satin     | 35            | M6 | 10 | 1        | 0,1     |



## F1300

Single fixing for glass doors (through hole)  
Fixation simple pour en verre vaiable (trou passant)  
Montageset einseitig für Ganzglastüren (durchgehendes Loch)

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11100061 | <b>F1400</b>  | Tubular profile | S               | S. Steel             |           | 25 - 30 - 35  |   | 8 | 1        | 0,1     |
| 11100064 | <b>F1400E</b> | Tubular profile | S               | S. Steel             |           | 25 - 30 - 35  |   | 8 | 1        | 0,1     |



## F1400 F1400E

Single fixing for profiles with triple chamber  
Fixation simple pour profils à trois chambres  
Einzelbefestigung für 3-kammerprofile

| Code     | Art.           | Door type    | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|----------------|--------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11100063 | <b>F1400W</b>  | Wooden doors | S               | S. Steel             |           | 25 - 30 - 35  |   | 8 | 1        | 0,1     |
| 11100065 | <b>F1400WE</b> | Wooden doors |                 | S. Steel             |           | 25 - 30 - 35  |   | 8 | 1        | 0,1     |



## F1400W F1400WE

Single fixing for wood  
Fixation simple pour bois  
Einzelbefestigung für Holz

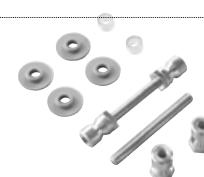
| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100071 | <b>F2000</b> | Tubular profile | D               | S. Steel             |           | 25 - 30 - 35  | M6 | 10 | 1        | 0,1     |



## F2000

Adjustable double fixing for tubular profiles  
Fixation double réglable pour profils tubulaires  
Verstellbares Montageset paarweise für röhrenförmige Profile

| Code     | Art.         | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100072 | <b>F2001</b> | Glass     | D               | S. Steel             |           | 25 - 30 - 35  | M6 | 10 | 1        | 0,1     |



## F2001

Adjustable double fixing for glass doors  
Fixation double réglable pour portes en verre  
Verstellbares Montageset paarweise für Ganzglastüren



## F3000



Single fixing with metal plate for glass doors  
Fixation avec rosace métallique pour profils tubulaires  
Montageset zum Aufschrauben mit Rosette (nicht fuer Ganzglastueren)

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|----|---|----------|---------|
| 11100082 | <b>F3025L</b> | Tubular profile | S               | S. Steel             | Polished  | 25            | M6 |   | 1        | 0,2     |
| 11100081 | <b>F3025S</b> | Tubular profile | S               | S. Steel             | Satin     | 25            | M6 |   | 1        | 0,2     |
| 11100092 | <b>F3030L</b> | Tubular profile | S               | S. Steel             | Polished  | 30            | M6 |   | 1        | 0,3     |
| 11100091 | <b>F3030S</b> | Tubular profile | S               | S. Steel             | Satin     | 30            | M6 |   | 1        | 0,3     |
| 11100102 | <b>F3035L</b> | Tubular profile | S               | S. Steel             | Polished  | 35            | M6 |   | 1        | 0,3     |
| 11100101 | <b>F3035S</b> | Tubular profile | S               | S. Steel             | Satin     | 35            | M6 |   | 1        | 0,3     |

## F7014



Adjustable double fixing for tubular profiles and glass doors  
Fixation double réglable pour profils tubulaires et portes en verre  
Verstellbares Montageset paarweise für röhrenförmige Profile und Ganzglastüren

| Code     | Art.         | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11100625 | <b>F7014</b> | Glass     | D               | Aluminium            |           | 25            | M6 | 10 | 1        | 0,2     |

## F7016



Adjustable double fixing for tubular profiles and glass doors  
Fixation double réglable pour profils tubulaires et portes en verre  
Verstellbares Montageset paarweise für röhrenförmige Profile und Ganzglastüren

| Code     | Art.         | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11100630 | <b>F7016</b> | Glass     | D               | Aluminium            |           | 30 - 35       | M8 | 11,5 | 1        | 0,2     |

## F7024



Adjustable single fixing for glass doors  
Fixation simple réglable pour portes en verre  
Verstellbares Montageset einseitig für Ganzglastüren

| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11102225 | <b>F7024B</b> | Glass     | S               | Aluminium            | White     | 25            | M6 | 10 | 1        | 0,1     |
| 11102226 | <b>F7024N</b> | Glass     | S               | Aluminium            | Black     | 25            | M6 | 10 | 1        | 0,1     |

## F7026



Adjustable single fixing for glass doors  
Fixation simple réglable pour portes en verre  
Verstellbares Montageset einseitig für Ganzglastüren

| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11102230 | <b>F7026B</b> | Glass     | S               | Aluminium            | White     | 30            | M8 | 11,5 | 1        | 0,1     |
| 11102231 | <b>F7026N</b> | Glass     | S               | Aluminium            | Black     | 30            | M8 | 11,5 | 1        | 0,1     |

| Code     | Art.          | Door type | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|---------------|-----------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11102235 | <b>F7028B</b> | Glass     | S               | Aluminium            | White     | 35            | M8 | 11,5 | 1        | 0,1     |
| 11102236 | <b>F7028N</b> | Glass     | S               | Aluminium            | Black     | 35            | M8 | 11,5 | 1        | 0,1     |



## F7028

Adjustable single fixing  
for glass doors  
Fixation simple réglable  
pour portes en verre  
Verstellbares Montageset  
einseitig für Ganzglastüren

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11105220 | <b>F1032</b> | Tubular profile | S               | S. Steel             |           | 20            | M6 | 10 | 1        | 0,1     |
| 11104625 | <b>F7034</b> | Tubular profile | S               | S. Steel             |           | 25            | M6 | 10 | 1        | 0,1     |



## F1032 F7034

Single fixing by means of  
milling for tubular profiles  
Fixation simple à fraisage  
pour profils tubulaires  
Montageset einseitig zum Einfräsen  
für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11104630 | <b>F7036</b> | Tubular profile | S               | 2100 Ø 30-All.       |           | 30-35         | M8 | 11,5 | 1        | 0,1     |



## F7036

Single fixing by means of  
milling for tubular profiles  
Fixation simple à fraisage  
pour profils tubulaires  
Montageset einseitig zum Einfräsen  
für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11106625 | <b>F7044</b> | Tubular profile | S               | Aluminium            |           | 25            | M6 | 10 | 1        | 0,1     |



## F7044

Single fixing by means of  
milling for tubular profiles  
Fixation simple à fraisage  
pour profils tubulaires  
Montageset einseitig zum Einfräsen  
für röhrenförmige Profile

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|----|------|----------|---------|
| 11106630 | <b>F7046</b> | Tubular profile | S               | 2100 Ø 30-All.       |           | 30 -35 Alu.   | M8 | 11,5 | 1        | 0,1     |



## F7046

Single fixing by means of milling for  
tubular profiles - (Serie 2100 Inox)  
Fixation simple à fraisage pour  
profils tubulaires - (Serie 2100 Inox)  
Montageset einseitig zum  
Einfräsen für röhrenförmige  
Profile - (Serie 2100 Inox)

## F7054



Single fixing with metal  
plate for tubular profiles  
Fixation avec rosace métallique  
pour profils tubulaires  
Montageset zum Aufschrauben mit  
Rosette (nicht fuer Ganzglastueren)

| Code     | Art.          | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M  | F  | Pcs/pack | Kg/pack |
|----------|---------------|-----------------|-----------------|----------------------|-----------|---------------|----|----|----------|---------|
| 11108625 | <b>F7054B</b> | Tubular profile | S               | Aluminium            | White     | 25            | M6 | 10 | 1        | 0,1     |
| 11108626 | <b>F7054N</b> | Tubular profile | S               | Aluminium            | Black     | 25            | M6 | 10 | 1        | 0,1     |

## F7056

## F7058



Single fixing with nylon  
plate for tubular profiles  
Fixation avec rosace en nylon  
pour profils tubulaires  
Montageset einseitig mit Rosette  
aus Nylon für röhrenförmige Profile

| Code     | Art.            | Door type       | Single / Double | Pull handle material | Finishing      | Ø pull handle | M  | F    | Pcs/pack | Kg/pack |
|----------|-----------------|-----------------|-----------------|----------------------|----------------|---------------|----|------|----------|---------|
| 11108630 | <b>F7056B</b>   | Tubular profile | S               | Aluminium            | White          | 30            | M8 | 11,5 | 1        | 0,1     |
| 11108631 | <b>F7056N</b>   | Tubular profile | S               | Aluminium            | Black          | 30            | M8 | 11,5 | 1        | 0,1     |
| 11108632 | <b>F7056ANS</b> | Tubular profile | S               | Aluminium            | Anodized satin | 30            | M8 | 11,5 | 1        | 0,1     |
| 11108635 | <b>F7058B</b>   | Tubular profile | S               | Aluminium            | White          | 35            |    |      | 1        | 0,1     |
| 11108636 | <b>F7058N</b>   | Tubular profile | S               | Aluminium            | Black          | 35            |    |      | 1        | 0,1     |
| 11108634 | <b>F7058ANS</b> | Tubular profile | S               | Aluminium            | Anodized satin | 35            |    |      | 1        | 0,1     |

| Code     | Art.         | Door type             | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|--------------|-----------------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11150001 | <b>F2900</b> | Universal<br>no glass | D               |                      |           |               |   |   | 1        | 0,144   |



## F2900

Double installation  
Double installation  
Doppelte Installation

| Code     | Art.         | Door type    | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|--------------|--------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11150002 | <b>F1900</b> | Wooden doors | S               |                      |           |               |   |   | 1        | 0,031   |



## F1900

Single installation, self tapping  
Installation unique, autotaraudante  
Einzelte Installation,  
selbstschneidend

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11150003 | <b>F1901</b> | Tubular profile | S               |                      |           |               |   |   | 1        | 0,117   |



## F1901

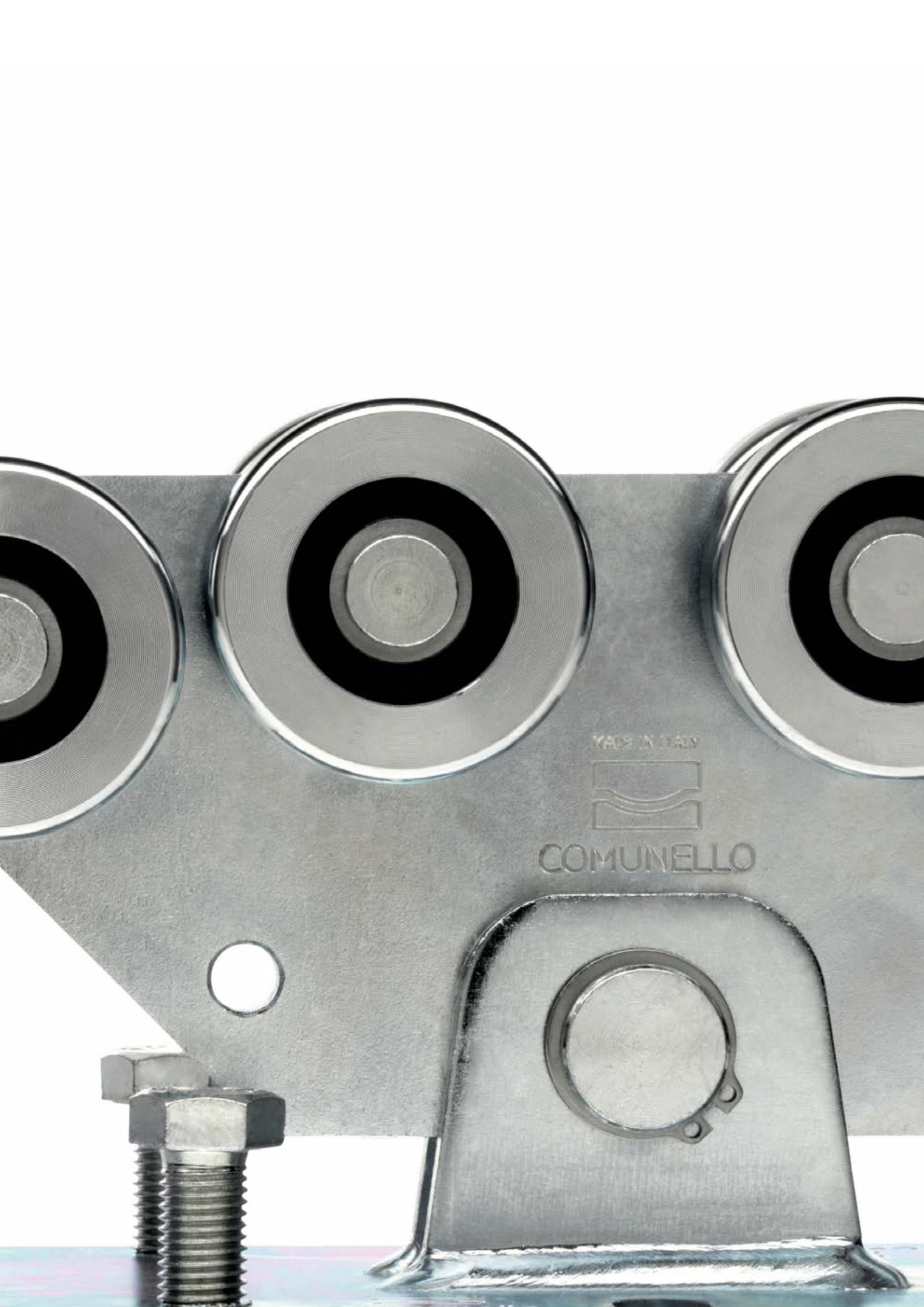
Single installation, triple  
chamber self tapping  
Installation simple, autotaraudeuse  
pour triple chambre  
Einzelte Installation,  
selbstschneidend fuer  
dreifache Kammer

| Code     | Art.         | Door type       | Single / Double | Pull handle material | Finishing | Ø pull handle | M | F | Pcs/pack | Kg/pack |
|----------|--------------|-----------------|-----------------|----------------------|-----------|---------------|---|---|----------|---------|
| 11150004 | <b>F1902</b> | Tubular profile | S               |                      |           |               |   |   | 1        | 0,041   |



## F1902

Single installation, quick coupling  
Installation unique, raccord rapide  
Einzelte Installation,  
schnelle Kopplung



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| 10102115 001 | 8C-G      | 41 | 10801610 001 | 85L-G       | 53 | 10807010 001 | 125-M24       | 59 |
| 10102505 001 | 10-P      | 41 | 10801611 001 | 85L-40.AL   | 53 | 10807504 001 | 130-M18       | 59 |
| 10102610 001 | 10C-M     | 41 | 10801621 001 | 85L-40.ST   | 53 | 10807505 001 | 130-M20       | 59 |
| 10102615 001 | 10C-G     | 41 | 10801612 001 | 85L-50.AL   | 53 | 10807505 018 | 130-M20 HS700 | 59 |
| 10103610 001 | 16C-M     | 41 | 10801622 001 | 85L-50.ST   | 53 | 10807509 001 | 130-M22       | 59 |
| 10103615 001 | 16C-G     | 41 | 10801613 001 | 85L-65.AL   | 53 | 10807510 001 | 130-M24       | 59 |
| 10104610 001 | 20C-M     | 41 | 10801623 001 | 85L-65.ST   | 53 | 10808001 001 | 135-M16       | 59 |
| 10104615 001 | 20C-G     | 41 | 10801407 001 | 85PST-M     | 53 | 10808005 001 | 135-M18       | 59 |
| 10605005 001 | 22-P      | 42 | 10801410 001 | 85PST-G     | 53 | 10808009 001 | 135-M20       | 59 |
| 10605000 001 | 22-M      | 42 | 10800411 001 | 85XL        | 53 | 10808010 001 | 135-M22       | 59 |
| 10605010 001 | 22-G      | 42 | 10800415 001 | 85M+87M     | 54 | 10808014 001 | 135-M24       | 59 |
| 10605505 001 | 23-P      | 42 | 10800414 001 | 85G+87G     | 54 | 10808015 001 | 135-M27       | 59 |
| 10605500 001 | 23-M      | 42 | 10800505 001 | 86P         | 54 | 10808505 001 | 140-M18       | 60 |
| 10605510 001 | 23-G      | 42 | 10800510 001 | 86G         | 54 | 10808509 001 | 140-M20       | 60 |
| 10200505 001 | 24-P      | 42 | 10801805 001 | 86L-P       | 54 | 10808510 001 | 140-M22       | 60 |
| 10200510 001 | 24-M      | 42 | 10801810 001 | 86L-G       | 54 | 10808512 001 | 140-M24       | 60 |
| 10200515 001 | 24-G      | 42 | 10801710 001 | 86PST-G     | 54 | 10808515 001 | 140-M27       | 60 |
| 10200503 001 | 24-P      | 42 | 10801005 001 | 87P         | 55 | 10809005 001 | 150-M18       | 60 |
| 10200508 001 | 24-M      | 42 | 10801007 001 | 87M         | 55 | 10809009 001 | 150-M20       | 60 |
| 10200514 001 | 24-G      | 42 | 10801010 001 | 87G         | 55 | 10809010 001 | 150-M22       | 60 |
| 10704805 001 | 25-P/M    | 42 | 10801305 001 | 87L-P       | 55 | 10809012 001 | 150-M24       | 60 |
| 10704810 001 | 25-G      | 42 | 10801307 001 | 87L-M       | 55 | 10824705 001 | 154-M18       | 60 |
| 10300505 001 | 26-M      | 42 | 10801310 001 | 87L-G       | 55 | 10824710 001 | 154-M20       | 60 |
| 10300510 001 | 26-G      | 42 | 10801311 001 | 87L-40.AL   | 55 | 10824715 001 | 154-M22       | 60 |
| 10301005 001 | 28-M      | 42 | 10801321 001 | 87L-40.ST   | 55 | 10824720 001 | 154-M24       | 60 |
| 10301010 001 | 28-G      | 42 | 10801312 001 | 87L-50.AL   | 55 | 10824725 001 | 154-M27       | 60 |
| 10301505 001 | 30-25     | 43 | 10801322 001 | 87L-50.ST   | 55 | 10824405 001 | 154R-CV-M18   | 60 |
| 10400505 001 | 32-34     | 43 | 10801313 001 | 87L-65.AL   | 55 | 10824410 001 | 154R-CV-M20   | 60 |
| 10500505 001 | 34-M      | 43 | 10801323 001 | 87L-65.ST   | 55 | 10824415 001 | 154R-CV-M22   | 60 |
| 10500510 001 | 34-G      | 43 | 10801205 001 | 87PST-P     | 55 | 10824420 001 | 154R-CV-M24   | 60 |
| 10302005 001 | 36-25     | 43 | 10801207 001 | 87PST-M     | 55 | 10809501 001 | 155-M16       | 60 |
| 10302010 001 | 36-30     | 43 | 10801210 001 | 87PST-G     | 55 | 10809601 001 | 155-M18       | 60 |
| 10105505 001 | 38-24     | 43 | 10801011 001 | 87XL        | 55 | 10809505 001 | 155-M20       | 60 |
| 10106005 001 | 39-24     | 43 | 10801505 001 | 88-40       | 55 | 10809512 001 | 155-M22       | 60 |
| 10106505 001 | 40-24     | 44 | 10801510 001 | 88-50       | 55 | 10809510 001 | 155-M24       | 60 |
| 10107005 001 | 41-24     | 44 | 10801515 001 | 88-60       | 55 | 10809502 001 | 155B-M16      | 60 |
| 10501005 001 | 42P       | 44 | 10802105 001 | 88L-40      | 55 | 10809503 001 | 155B-M18      | 60 |
| 10501010 001 | 42G       | 44 | 10802110 001 | 88L-50      | 55 | 10809508 001 | 155B-M20      | 60 |
| 10107505 001 | 43-24     | 44 | 10802115 001 | 88L-60      | 55 | 10809509 001 | 155B-M22      | 60 |
| 10108005 001 | 44-24     | 44 | 10802205 001 | 88PST-40    | 56 | 10809511 001 | 155B-M24      | 60 |
| 10108505 001 | 46-24     | 44 | 10802210 001 | 88PST-50    | 56 | 10824505 001 | 157-M18       | 61 |
| 10109005 001 | 48-24     | 45 | 10802215 001 | 88PST-60    | 56 | 10824510 001 | 157-M20       | 61 |
| 10109505 001 | 50-24     | 45 | 10802005     | 89          | 56 | 10824515 001 | 157-M22       | 61 |
| 10110005 001 | 52-24     | 45 | 10802010     | 89          | 56 | 10824520 001 | 157-M24       | 61 |
| 10110505 001 | 54-24     | 45 | 10802015     | 89          | 56 | 10824905 001 | 157AL-M18     | 61 |
| 10111005 001 | 56-24     | 45 | 10802505     | 90P         | 56 | 10824910 001 | 157AL-M20     | 61 |
| 10111505 001 | 60-24     | 45 | 10802510     | 90G         | 56 | 10824915 001 | 157AL-M22     | 61 |
| 11640910 001 | ABS-100-P | 48 | 10803005     | 92G         | 56 | 10824920 001 | 157AL-M24     | 61 |
| 11640900 001 | ABS-100-G | 49 | 10803505 001 | 94P         | 56 | 10824605 001 | 157CV-M18     | 61 |
| 11640913 001 | ABS-10-P  | 48 | 10803510 001 | 94G         | 56 | 10824610 001 | 157CV-M20     | 61 |
| 11640903 001 | ABS-10-G  | 49 | 10804005 001 | 96G         | 56 | 10824615 001 | 157CV-M22     | 61 |
| 11640911 001 | ABS-15-P  | 48 | 10804505     | 100P        | 57 | 10824620 001 | 157CV-M24     | 61 |
| 11640904 001 | ABS-15-G  | 49 | 10804505 001 | 100P        | 57 | 10823501 001 | 159-M16       | 61 |
| 11640912 001 | ABS-16-P  | 48 | 10804510     | 100G        | 57 | 10823505 001 | 159-M18       | 61 |
| 11640905 001 | ABS-16-G  | 49 | 10804510 001 | 100G        | 57 | 10823510 001 | 159-M20       | 61 |
| 11210020     | 73-10     | 52 | 10804605 001 | 100PST-P    | 57 | 10823515 001 | 159-M22       | 61 |
| 11210025     | 73-20     | 52 | 10804610 001 | 100PST-G    | 57 | 10823520 001 | 159-M24       | 61 |
| 11210030     | 73-30     | 52 | 10805005     | 105-20      | 57 | 10823525 001 | 159-M27       | 61 |
| 11210005     | 73-40     | 52 | 10805105 001 | 105PST-20   | 57 | 10823405 001 | 159R-CV-M18   | 61 |
| 11210010     | 73-50     | 52 | 10805205 001 | 106-20      | 57 | 10823410 001 | 159R-CV-M20   | 61 |
| 11210015     | 73-60     | 52 | 10805210 001 | 106-27      | 57 | 10823415 001 | 159R-CV-M22   | 61 |
| 11210020 503 | 73-10     | 52 | 10805305 001 | 106PST-20   | 57 | 10823420 001 | 159R-CV-M24   | 61 |
| 11210025 503 | 73-20     | 52 | 10805310 001 | 106PST-27   | 57 | 10810004 001 | 160-M16       | 61 |
| 11210030 503 | 73-30     | 52 | 10805505     | 110-20      | 58 | 10810005 001 | 160-M18       | 61 |
| 11210005 503 | 73-40     | 52 | 10805505 001 | 110-20      | 58 | 10810009 001 | 160-M20       | 61 |
| 11210010 503 | 73-50     | 52 | 10805510     | 110-24      | 58 | 10810010 001 | 160-M22       | 61 |
| 11210015 503 | 73-60     | 52 | 10805510 001 | 110-24      | 58 | 10810012 001 | 160-M24       | 61 |
| 11210520     | 74-10     | 52 | 10805515     | 110-27      | 58 | 10810015 001 | 160-M27       | 61 |
| 11210525     | 74-20     | 52 | 10806005     | 115-20,5    | 58 | 10810007 001 | 160B-M16      | 62 |
| 11210530     | 74-30     | 52 | 10806005 001 | 115-20,5    | 58 | 10810008 001 | 160B-M18      | 62 |
| 11210505     | 74-40     | 52 | 10806010     | 115-24,5    | 58 | 10810011 001 | 160B-M20      | 62 |
| 11210510     | 74-50     | 52 | 10806010 001 | 115-24,5    | 58 | 10810013 001 | 160B-M22      | 62 |
| 11210515     | 74-60     | 52 | 10806015     | 115-28      | 58 | 10810014 001 | 160B-M24      | 62 |
| 11210520 503 | 74-10     | 52 | 10806405 001 | 115PST-20,5 | 58 | 10810016 001 | 160B-M27      | 62 |
| 11210525 503 | 74-20     | 52 | 10806410 001 | 115PST-24,5 | 58 | 10801912 001 | 160XL         | 62 |
| 11210530 503 | 74-30     | 52 | 10806415 001 | 115PST-28   | 58 | 10810301 001 | 161-M16       | 62 |
| 11210505 503 | 74-40     | 52 | 10807305 001 | 117-20,5    | 58 | 10810300 001 | 161-M18       | 62 |
| 11210510 503 | 74-50     | 52 | 10807310 001 | 117-24,5    | 58 | 10810305 001 | 161-M20       | 62 |
| 11210515 503 | 74-60     | 52 | 10807315 001 | 117-28      | 58 | 10810309 001 | 161-M22       | 62 |
| 11210520 503 | 74-10     | 52 | 10807405 001 | 117PST-20,5 | 58 | 10810310 001 | 161-M24       | 62 |
| 11210525 503 | 74-20     | 52 | 10807410 001 | 117PST-24,5 | 58 | 10810505 001 | 162-M20       | 62 |
| 11210530 503 | 74-30     | 52 | 10807415 001 | 117PST-28   | 58 | 10810510 001 | 162-M24       | 62 |

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| 10810801 | 001 | 163-M16      | 62 | 12100845 | 165T-114          | 64 | 10704710 | 199-60              | 69 |
| 10810805 | 001 | 163-M18      | 62 | 12100100 | 165TN-15          | 64 | 10701505 | 001 200-P           | 69 |
| 10810809 | 001 | 163-M20      | 62 | 12100105 | 165TN-20          | 64 | 10701510 | 001 200-G           | 69 |
| 10810810 | 001 | 163-M22      | 62 | 12100110 | 165TN-25          | 64 | 10701450 | 001 201             | 70 |
| 10810814 | 001 | 163-M24      | 62 | 12100111 | 165TN-30          | 64 | 10701805 | 001 202-P           | 70 |
| 10810815 | 001 | 163-M27      | 62 | 12100112 | 165TN-35          | 64 | 10701810 | 001 202-G           | 70 |
| 10811005 | 001 | 164-M18      | 62 | 12100115 | 165TN-40          | 64 | 10704201 | 001 202F-A          | 70 |
| 10811010 | 001 | 164-M22      | 62 | 12100116 | 165TN-45          | 64 | 10704301 | 001 202F-B          | 70 |
| 10811015 | 001 | 164-M27      | 62 | 12100120 | 165TN-50          | 64 | 10704401 | 001 202F-C          | 70 |
| 10819616 | 046 | 130-WH-M20DX | 59 | 12100121 | 165TN-60          | 64 | 10704501 | 001 203             | 70 |
| 10819621 | 046 | 130-WH-M24DX | 59 | 12100122 | 165TN-70          | 64 | 10704550 | 001 204             | 71 |
| 10819617 | 046 | 130-WH-M20SX | 59 | 12100123 | 165TN-80          | 64 | 10900505 | 205                 | 71 |
| 10819622 | 046 | 130-WH-M24SX | 59 | 12100124 | 165TN-100         | 64 | 10906601 | 503 209             | 71 |
| 10819615 | 046 | 130-WH-M20   | 59 | 10704601 | 001 166P          | 65 | 10906601 | 604 209             | 71 |
| 10819620 | 046 | 130-WH-M24   | 59 | 10704602 | 001 166G          | 65 | 10901005 | 503 210-25-35       | 71 |
| 12100505 |     | 165-30       | 63 | 10700705 | 001 167           | 65 | 10901005 | 516 210-25-35       | 71 |
| 12100510 |     | 165-40       | 63 | 10700905 | 001 169           | 65 | 10901010 | 503 210-40-50       | 71 |
| 12100515 |     | 165-50       | 63 | 10701005 | 001 170           | 65 | 10901010 | 516 210-40-50       | 71 |
| 12100520 |     | 165-60       | 63 | 10701205 | 001 171           | 65 | 10901015 | 503 210-50-60       | 71 |
| 12100525 |     | 165-80       | 63 | 10821005 | 001 172-M18       | 65 | 10901015 | 516 210-50-60       | 71 |
| 12100530 |     | 165-100      | 63 | 10821010 | 001 172-M20       | 65 | 10901020 | 503 210-60-70       | 71 |
| 12100535 |     | 165-120      | 63 | 10821015 | 001 172-M24       | 65 | 10901020 | 516 210-60-70       | 71 |
| 12100540 |     | 165-150      | 63 | 10820005 | 001 174-M16       | 66 | 10901305 | 503 211             | 71 |
| 12100550 |     | 165-200      | 63 | 19926004 | 175G              | 66 | 10901305 | 516 211             | 71 |
| 12100505 | 001 | 165Z-30      | 63 | 19926003 | 175P              | 66 | 10970005 | 503 212             | 71 |
| 12100510 | 001 | 165Z-40      | 63 | 10820505 | 001 176-M16       | 66 | 10905501 | 503 213             | 71 |
| 12100515 | 001 | 165Z-50      | 63 | 10819405 | 001 177-M12       | 66 | 11200501 | 001 215-50          | 78 |
| 12100520 | 001 | 165Z-60      | 63 | 10819410 | 001 177-M16       | 66 | 11200505 | 001 215-60          | 78 |
| 12100525 | 001 | 165Z-80      | 63 | 10819415 | 001 177-M20       | 66 | 11200601 | 001 215S-50         | 78 |
| 12100530 | 001 | 165Z-100     | 63 | 10819420 | 001 177-M24       | 66 | 11200605 | 001 215S-60         | 78 |
| 12100535 | 001 | 165Z-120     | 63 | 10819405 | 018 177-M12 HS700 | 66 | 11201005 | 001 216             | 78 |
| 12100540 | 001 | 165Z-150     | 63 | 10819410 | 018 177-M16 HS700 | 66 | 11201701 | 217-40              | 78 |
| 12100550 | 001 | 165Z-200     | 63 | 10819415 | 018 177-M20 HS700 | 66 | 11201705 | 217-50              | 78 |
| 12100205 |     | 165N-12      | 63 | 10819420 | 018 177-M24 HS700 | 66 | 11201710 | 217-60              | 78 |
| 12100206 |     | 165N-15      | 63 | 10819505 | 001 178-M12       | 66 | 11202005 | 220-40              | 78 |
| 12100210 |     | 165N-20      | 63 | 10819510 | 001 178-M16       | 66 | 11202010 | 220-50              | 78 |
| 12100215 |     | 165N-25      | 63 | 10819515 | 001 178-M20       | 66 | 11215530 | 001 222-30          | 78 |
| 12100216 |     | 165N-30      | 63 | 10819520 | 001 178-M24       | 66 | 11215535 | 001 222-35          | 78 |
| 12100217 |     | 165N-35      | 63 | 10819505 | 018 178-M12 Hs700 | 66 | 11215540 | 001 222-40          | 78 |
| 12100220 |     | 165N-40      | 63 | 10819510 | 018 178-M16 Hs700 | 66 | 11215545 | 001 222-45          | 78 |
| 12100221 |     | 165N-45      | 63 | 10819515 | 018 178-M20 Hs700 | 66 | 11215550 | 001 222-50          | 78 |
| 12100225 |     | 165N-50      | 63 | 10819520 | 018 178-M24 Hs700 | 66 | 11215560 | 001 222-60          | 78 |
| 12100226 |     | 165N-60      | 63 | 10814005 | 001 180-M18       | 67 | 11215531 | 001 223-30          | 79 |
| 12100227 |     | 165N-70      | 63 | 10814010 | 001 180-M22       | 67 | 11215536 | 001 223-35          | 79 |
| 12100228 |     | 165N-80      | 63 | 10814015 | 001 180-M27       | 67 | 11215541 | 001 223-40          | 79 |
| 12100229 |     | 165N-100     | 63 | 10814505 | 001 182-M18       | 67 | 11215546 | 001 223-45          | 79 |
| 12100560 |     | 165R-20X30   | 63 | 10814510 | 001 182-M22       | 67 | 11215551 | 001 223-50          | 79 |
| 12100561 |     | 165R-20X40   | 63 | 10814515 | 001 182-M27       | 67 | 11215561 | 001 223-60          | 79 |
| 12100562 |     | 165R-30X50   | 63 | 10814506 | 001 182B-M18      | 67 | 11500440 | 001 RG2-100.50      | 74 |
| 12100563 |     | 165R-30X60   | 63 | 10814507 | 001 182B-M22      | 67 | 11500442 | 001 RG2-100.60      | 74 |
| 12100564 |     | 165R-40X60   | 63 | 10814516 | 001 182B-M27      | 67 | 11500444 | 001 RG2-100.80      | 74 |
| 12100565 |     | 165R-40X80   | 63 | 10815005 | 001 184-M18       | 67 | 11500441 | 001 RG2-120.50      | 74 |
| 12100303 |     | 165RN-15X30  | 64 | 10815010 | 001 184-M22       | 67 | 11500443 | 001 RG2-120.60      | 74 |
| 12100304 |     | 165RN-20X100 | 64 | 10815015 | 001 184-M27       | 67 | 11500445 | 001 RG2-120.80      | 74 |
| 12100305 |     | 165RN-20X30  | 64 | 10817505 | 001 185-M18       | 67 | 11500406 | 001 RG2-140.80      | 74 |
| 12100310 |     | 165RN-20X40  | 64 | 10817510 | 001 185-M22       | 67 | 11500408 | 001 RG2-140.100     | 74 |
| 12100311 |     | 165RN-20X50  | 64 | 10817515 | 001 185-M27       | 67 | 11500450 | 001 RG3-120.50      | 74 |
| 12100312 |     | 165RN-20X60  | 64 | 10815505 | 001 186-M18       | 67 | 11500451 | 001 RG3-120.60      | 74 |
| 12100320 |     | 165RN-25X40  | 64 | 10815510 | 001 186-M22       | 67 | 11500452 | 001 RG3-120.80      | 74 |
| 12100315 |     | 165RN-25X50  | 64 | 10815515 | 001 186-M27       | 67 | 11500413 | 001 RG3-140.80      | 74 |
| 12100313 |     | 165RN-30X120 | 64 | 10816005 | 001 188-M18       | 68 | 11500414 | 001 RG3-140.100     | 74 |
| 12100314 |     | 165RN-30X40  | 64 | 10816010 | 001 188-M22       | 68 | 10131110 | 001 RG-10 P         | 74 |
| 12100316 |     | 165RN-30X50  | 64 | 10816015 | 001 188-M27       | 68 | 10131101 | 001 RG-10 G         | 74 |
| 12100317 |     | 165RN-30X60  | 64 | 10822018 | 001 189-M18       | 68 | 12301600 | 001 RG-15           | 74 |
| 12100318 |     | 165RN-30X80  | 64 | 10822020 | 001 189-M20       | 68 | 10131102 | 001 RG-20           | 74 |
| 12100319 |     | 165RN-40X100 | 64 | 10822022 | 001 189-M22       | 68 | 11400539 | 001 RG-30 P 2MT     | 75 |
| 12100321 |     | 165RN-40X120 | 64 | 10822024 | 001 189-M24       | 68 | 11400534 | 001 RG-30 G 2MT     | 75 |
| 12100322 |     | 165RN-40X50  | 64 | 10822027 | 001 189-M27       | 68 | 11500420 | 001 RG-40           | 75 |
| 12100323 |     | 165RN-40X60  | 64 | 10816505 | 190-30            | 68 | 11500421 | RG-45               | 75 |
| 12100324 |     | 165RN-40X80  | 64 | 10816510 | 190-35            | 68 | 11306415 | 001 RG-252          | 75 |
| 12100325 |     | 165RN-50X100 | 64 | 10816515 | 190-40            | 68 | 11306410 | 001 RG-254          | 75 |
| 12100326 |     | 165RN-50X120 | 64 | 10817005 | 192-30            | 68 | 10210105 | 001 RG-387.3M       | 75 |
| 12100327 |     | 165RN-50X150 | 64 | 10817010 | 192-35            | 68 | 10210101 | 001 RG-387.6M       | 75 |
| 12100328 |     | 165RN-50X80  | 64 | 10817015 | 192-40            | 68 | 11400639 | RG-301 P 2MT        | 75 |
| 12100560 | 001 | 165RZ-20X30  | 64 | 10818005 | 194-30            | 68 | 11400634 | RG-301 G 2MT        | 75 |
| 12100561 | 001 | 165RZ-20X40  | 64 | 10818010 | 194-35            | 68 | 11300505 | 001 227-30          | 79 |
| 12100562 | 001 | 165RZ-30X50  | 64 | 10818015 | 194-40            | 68 | 11300510 | 001 227-42          | 79 |
| 12100563 | 001 | 165RZ-30X60  | 64 | 10818020 | 194-50            | 68 | 11301021 | 001 228-30 nylon    | 79 |
| 12100564 | 001 | 165RZ-40X60  | 64 | 10818101 | 001 194PST-40X40  | 68 | 11301031 | 001 228-40 nylon    | 79 |
| 12100565 | 001 | 165RZ-40X80  | 64 | 10701520 | 001 195-400       | 69 | 11301041 | 001 228-50 gomma    | 79 |
| 12100405 |     | 165S-50      | 64 | 10701530 | 001 195-500       | 69 | 19915400 | 001 SP-228-50 nylon | 79 |
| 12100410 |     | 165S-60      | 64 | 10701540 | 001 195-600       | 69 | 11308002 | 001 229-32 gomma    | 79 |
| 12100415 |     | 165S-80      | 64 | 10701550 | 001 195-700       | 69 | 11308003 | 001 229-39 gomma    | 79 |
| 12100420 |     | 165S-100     | 64 | 10200108 | 001 197           | 69 | 11308001 | 001 229-45 gomma    | 79 |
| 12100425 |     | 165S-120     | 64 | 10818505 | 196-30            | 69 | 11301005 | 001 230-25          | 79 |
| 12100430 |     | 165S-150     | 64 | 10818510 | 196-35            | 69 | 11301010 | 001 230-30          | 79 |
| 12100805 |     | 165T-30      | 64 | 10818515 | 196-40            | 69 | 11301015 | 001 230-40          | 79 |
| 12100810 |     | 165T-33      | 64 | 10819005 | 198-30            | 69 | 11301017 | 001 230-41          | 79 |
| 12100815 |     | 165T-42      | 64 | 10819010 | 198-35            | 69 | 11301020 | 001 230-42          | 79 |
| 12100820 |     | 165T-48      | 64 | 10819015 | 198-40            | 69 | 11301505 | 001 231-52          | 79 |
| 12100830 |     | 165T-76      | 64 | 10704701 | 199-40            | 69 | 11302210 | 001 232-30          | 80 |
| 12100835 |     | 165T-89      | 64 | 10704705 | 199-50            | 69 | 11302215 | 001 232-40          | 80 |

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|---------------|-----|---------------|----|----------|-----|----------|----|----------|-----|----------|----|
| 11302211      | 001 | 232N-30 nylon | 80 | 10201710 | 001 | 293      | 89 | 11507041 | 001 | 322V-100 | 94 |
| 11302217      | 001 | 232N-40 nylon | 80 | 10602205 | 001 | 294      | 89 | 11507050 | 001 | 322V-120 | 94 |
| 11301009      | 001 | 233-25        | 80 | 10602405 | 001 | 295      | 89 | 11507051 | 001 | 322V-120 | 94 |
| 11301014      | 001 | 233-30        | 80 | 10601605 | 001 | 297      | 89 | 11507070 | 001 | 322V-160 | 94 |
| 11301022      | 001 | 233-40        | 80 | 10601610 | 001 | 297G     | 89 | 11507071 | 001 | 322V-160 | 94 |
| 11302005      | 001 | 235-35        | 80 | 11501001 | 001 | 300V-40  | 92 | 11507072 | 001 | 322V-160 | 94 |
| 11302010      | 001 | 240-37,5      | 80 | 11501005 | 001 | 300V-50  | 92 | 11507080 | 001 | 322V-200 | 94 |
| 11302505      | 001 | 242-37,5      | 80 | 11501010 | 001 | 300V-60  | 92 | 11507081 | 001 | 322V-200 | 94 |
| 11303005      | 001 | 243-25        | 81 | 11501015 | 001 | 300V-70  | 92 | 11507082 | 001 | 322V-200 | 94 |
| 11303010      | 001 | 243-30        | 81 | 11501020 | 001 | 300V-80  | 92 | 11507090 | 001 | 322V-250 | 94 |
| 11303015      | 001 | 243-40        | 81 | 11501030 | 001 | 300V-90  | 92 | 11506540 | 001 | 322U-100 | 94 |
| 11303505      | 001 | 244-25        | 81 | 11501040 | 001 | 300V-100 | 92 | 11506541 | 001 | 322U-100 | 94 |
| 11303510      | 001 | 244-30        | 81 | 11501050 | 001 | 300V-120 | 92 | 11506550 | 001 | 322U-120 | 94 |
| 11303515      | 001 | 244-40        | 81 | 11501060 | 001 | 300V-140 | 92 | 11506551 | 001 | 322U-120 | 94 |
| 11304005      | 001 | 245-32        | 81 | 11501070 | 001 | 300V-160 | 92 | 11506570 | 001 | 322U-160 | 94 |
| 11304010      | 001 | 245-35        | 81 | 11501080 | 001 | 300V-200 | 92 | 11506571 | 001 | 322U-160 | 94 |
| 11304015      | 001 | 245-42        | 81 | 11500501 | 001 | 300U-40  | 92 | 11506572 | 001 | 322U-160 | 94 |
| 11305005      | 001 | 247           | 81 | 11500505 | 001 | 300U-50  | 92 | 11506580 | 001 | 322U-200 | 94 |
| 11305008      | 001 | 247F          | 81 | 11500510 | 001 | 300U-60  | 92 | 11506581 | 001 | 322U-200 | 94 |
| 11305505      | 001 | 250-220       | 81 | 11500515 | 001 | 300U-70  | 92 | 11506582 | 001 | 322U-200 | 94 |
| 11305805      | 001 | 251-220       | 82 | 11500520 | 001 | 300U-80  | 92 | 11506590 | 001 | 322U-250 | 94 |
| 11305810      | 001 | 251-300       | 82 | 11500530 | 001 | 300U-90  | 92 | 11507240 | 001 | 322Y-100 | 95 |
| 11306205      | 001 | 252-200       | 82 | 11500540 | 001 | 300U-100 | 92 | 11507241 | 001 | 322Y-100 | 95 |
| 11305701      | 001 | 253-40        | 82 | 11500550 | 001 | 300U-120 | 92 | 11507250 | 001 | 322Y-120 | 95 |
| 11305405      | 001 | 254           | 82 | 11500560 | 001 | 300U-140 | 92 | 11507251 | 001 | 322Y-120 | 95 |
| 11306005      | 001 | 255-220       | 82 | 11500570 | 001 | 300U-160 | 92 | 11507270 | 001 | 322Y-160 | 95 |
| 11306009      | 001 | 255-220 D40   | 82 | 11500580 | 001 | 300U-200 | 92 | 11507271 | 001 | 322Y-160 | 95 |
| 11306010      | 001 | 255-350       | 82 | 11502040 | 001 | 305V-100 | 92 | 11507272 | 001 | 322Y-160 | 95 |
| 11306004      | 001 | 255N-220      | 82 | 11502050 | 001 | 305V-120 | 92 | 11507280 | 001 | 322Y-200 | 95 |
| 11306011      | 001 | 255N-350      | 82 | 11502060 | 001 | 305V-140 | 92 | 11507281 | 001 | 322Y-200 | 95 |
| 11305905      | 001 | 256-220       | 83 | 11502070 | 001 | 305V-160 | 92 | 11507282 | 001 | 322Y-200 | 95 |
| 11305910      | 001 | 256-300       | 83 | 11502080 | 001 | 305V-200 | 92 | 11507290 | 001 | 322Y-250 | 95 |
| 11306510      | 001 | 257-300       | 83 | 11501540 | 001 | 305U-100 | 92 | 11507540 | 001 | 323-100  | 95 |
| 11306515      | 001 | 257-400       | 83 | 11501550 | 001 | 305U-120 | 92 | 11507550 | 001 | 323-120  | 95 |
| 11306520      | 001 | 257-500       | 83 | 11501560 | 001 | 305U-140 | 92 | 11507570 | 001 | 323-160  | 95 |
| 11306525      | 001 | 257-600       | 83 | 11501570 | 001 | 305U-160 | 92 | 11507580 | 001 | 323-200  | 95 |
| 11306530      | 001 | 257-700       | 83 | 11501580 | 001 | 305U-200 | 92 | 11507590 | 001 | 323-250  | 95 |
| 11306535      | 001 | 257-800       | 83 | 11502510 | 001 | 306Y-60  | 92 | 11508040 | 001 | 324-100  | 95 |
| 11306405      | 001 | 258-30        | 83 | 11502520 | 001 | 306Y-80  | 92 | 11508041 | 001 | 324-100  | 95 |
| 11400505      | 001 | 260-22x22     | 83 | 11502530 | 001 | 306Y-90  | 92 | 11508050 | 001 | 324-120  | 95 |
| 11400510      | 001 | 260-22x22     | 83 | 11502540 | 001 | 306Y-100 | 92 | 11508051 | 001 | 324-120  | 95 |
| 11400515      | 001 | 260-30x30     | 83 | 11502550 | 001 | 306Y-120 | 92 | 11508070 | 001 | 324-160  | 95 |
| 11400518      | 001 | 260-30X30     | 83 | 11502560 | 001 | 306Y-140 | 92 | 11508071 | 001 | 324-160  | 95 |
| 11400102      | 001 | 261-26X20     | 83 | 11502570 | 001 | 306Y-160 | 92 | 11508072 | 001 | 324-160  | 95 |
| 11401205      | 001 | 262-30x8      | 83 | 11502580 | 001 | 306Y-200 | 92 | 11508080 | 001 | 324-200  | 95 |
| 11401005      | 001 | 262-30x12     | 83 | 11503040 | 001 | 307Y-100 | 93 | 11508081 | 001 | 324-200  | 95 |
| 11401010      | 001 | 262-30x12     | 83 | 11503050 | 001 | 307Y-120 | 93 | 11508082 | 001 | 324-200  | 95 |
| 11401710      | 001 | 263           | 84 | 11503060 | 001 | 307Y-140 | 93 | 11508090 | 001 | 324-250  | 95 |
| 11401505      | 001 | 264           | 84 | 11503070 | 001 | 307Y-160 | 93 | 11509010 | 001 | 325V-60  | 95 |
| 11402001      | 001 | 265           | 84 | 11503080 | 001 | 307Y-200 | 93 | 11509020 | 001 | 325V-80  | 95 |
| 11402005      | 001 | 265           | 84 | 11503505 | 001 | 308-50   | 93 | 11509030 | 001 | 325V-90  | 95 |
| 11402002      | 001 | 265L          | 84 | 11503510 | 001 | 308-60   | 93 | 11509040 | 001 | 325V-100 | 95 |
| 11402505      | 001 | 266           | 84 | 11503520 | 001 | 308-80   | 93 | 11508510 | 001 | 325U-60  | 95 |
| 10902005      | 001 | 270P          | 84 | 11504020 | 001 | 309-80   | 93 | 11508520 | 001 | 325U-80  | 95 |
| 10902010      | 001 | 270G          | 84 | 11504040 | 001 | 309-100  | 93 | 11509240 | 001 | 326V-100 | 96 |
| 10903005      | 001 | 272           | 85 | 11504050 | 001 | 309-120  | 93 | 11508740 | 001 | 326U-100 | 96 |
| 10702005      | 001 | 275           | 85 | 11504060 | 001 | 309-140  | 93 | 11509510 | 001 | 327-60   | 96 |
| 10702011      | 001 | 275F-30       | 85 | 11504501 | 001 | 310-40   | 93 | 11509520 | 001 | 327-80   | 96 |
| 10702016      | 001 | 275F-40       | 85 | 11504505 | 001 | 310-50   | 93 | 11509525 | 001 | 327-80S  | 96 |
| 10702021      | 001 | 275F-50       | 85 | 11504510 | 001 | 310-60   | 93 | 11509740 | 001 | 328-100  | 96 |
| 10702026      | 001 | 275F-60       | 85 | 11504515 | 001 | 310-70   | 93 | 11510510 | 001 | 330V-60  | 96 |
| 10812005      | 001 | 282-40x40     | 85 | 11504520 | 001 | 310-80   | 93 | 11510515 | 001 | 330V-70  | 96 |
| 10813005      | 001 | 285-40x40     | 85 | 11504525 | 001 | 310-80S  | 93 | 11510520 | 001 | 330V-80  | 96 |
| GEE000BXNOB00 |     | EAGLE BOX     | 85 | 11504530 | 001 | 310-90   | 93 | 11510530 | 001 | 330V-90  | 96 |
| GEE000BXNOG00 |     | EAGLE BOX-HG  | 85 | 11504535 | 001 | 310-90S  | 93 | 11510540 | 001 | 330V-100 | 96 |
| 10204001      | 001 | 287P-015-Sp3  | 88 | 11504540 | 001 | 310-100  | 93 | 11510550 | 001 | 330V-120 | 96 |
| 10204011      | 001 | 287P-015-Sp3  | 88 | 11504545 | 001 | 310-100S | 93 | 11510560 | 001 | 330V-140 | 96 |
| 10204002      | 001 | 287P-015-Sp3  | 88 | 11504550 | 001 | 310-120  | 93 | 11510010 | 001 | 330U-60  | 96 |
| 10204012      | 001 | 287P-015-Sp3  | 88 | 11504560 | 001 | 310-140  | 93 | 11510015 | 001 | 330U-70  | 96 |
| 10204018      | 001 | 287-017-Sp3   | 88 | 11504570 | 001 | 310-160  | 93 | 11510020 | 001 | 330U-80  | 96 |
| 10204020      | 001 | 287-017-Sp3   | 88 | 11504580 | 001 | 310-200  | 93 | 11510030 | 001 | 330U-90  | 96 |
| 10204013      | 001 | 287G-019-Sp3  | 88 | 11505040 | 001 | 315-100  | 93 | 11510040 | 001 | 330U-100 | 96 |
| 10204007      | 001 | 287G-019-Sp3  | 88 | 11505050 | 001 | 315-120  | 93 | 11510050 | 001 | 330U-120 | 96 |
| 10204014      | 001 | 287G-019-Sp3  | 88 | 11505060 | 001 | 315-140  | 93 | 11510060 | 001 | 330U-140 | 96 |
| 10204008      | 001 | 287G-019-Sp3  | 88 | 11505070 | 001 | 315-160  | 93 | 11510710 | 001 | 330V-60  | 97 |
| 10204015      | 001 | 287G-019-Sp4  | 88 | 11505080 | 001 | 315-200  | 93 | 11510715 | 001 | 330V-70  | 97 |
| 10204009      | 001 | 287G-019-Sp4  | 88 | 11506040 | 001 | 320V-100 | 94 | 11510720 | 001 | 330V-80  | 97 |
| 10204016      | 001 | 287G-019-Sp4  | 88 | 11506050 | 001 | 320V-120 | 94 | 11510730 | 001 | 330V-90  | 97 |
| 10204010      | 001 | 287G-019-Sp4  | 88 | 11506070 | 001 | 320V-160 | 94 | 11510740 | 001 | 330V-100 | 97 |
| 10204201      | 001 | 287FP-G       | 88 | 11506080 | 001 | 320V-200 | 94 | 11510750 | 001 | 330V-120 | 97 |
| 10204202      | 001 | 287FP-G       | 88 | 11506090 | 001 | 320V-250 | 94 | 11510760 | 001 | 330V-140 | 97 |
| 10201501      | 001 | 289P-015-Sp3  | 88 | 11505540 | 001 | 320U-100 | 94 | 11511010 | 001 | 332-60   | 97 |
| 10201502      | 001 | 289P-015-Sp3  | 88 | 11505550 | 001 | 320U-120 | 94 | 11511015 | 001 | 332-70   | 97 |
| 10201505      | 001 | 289G-019-Sp3  | 88 | 11505570 | 001 | 320U-160 | 94 | 11511020 | 001 | 332-80   | 97 |
| 10201510      | 001 | 289G-019-Sp3  | 88 | 11505580 | 001 | 320U-200 | 94 | 11511025 | 001 | 332-80S  | 97 |
| 10201517      | 001 | 289LG-019-Sp3 | 88 | 11505590 | 001 | 320U-250 | 94 | 11511030 | 001 | 332-90   | 97 |
| 10201518      | 001 | 289LG-019-Sp3 | 88 | 11506240 | 001 | 320Y-100 | 94 | 11511035 | 001 | 332-90S  | 97 |
| 10601501      | 001 | 290           | 88 | 11506250 | 001 | 320Y-120 | 94 | 11511040 | 001 | 332-100  | 97 |
| 10602005      | 001 | 291           | 89 | 11506270 | 001 | 320Y-160 | 94 | 11511045 | 001 | 332-100S | 97 |
| 10201905      | 001 | 292           | 89 | 11506280 | 001 | 320Y-200 | 94 | 11511050 | 001 | 332-120  | 97 |
| 10201910      | 001 | 292           | 89 | 11506290 | 001 | 320Y-250 | 94 | 11511060 | 001 | 332-140  | 97 |
| 10201705      | 001 | 293           | 89 | 11507040 | 001 | 322V-100 | 94 | 11512040 | 001 | 333V-100 | 97 |

|          |        |          |          |          |            |          |          |              |          |
|----------|--------|----------|----------|----------|------------|----------|----------|--------------|----------|
| 11512050 | 001    | 333V-120 | 97       | 11604010 | 402-100    | 102      | 11611518 | 460-180      | 107      |
| 11512060 | 001    | 333V-140 | 97       | 11604012 | 402-120    | 102      | 11612018 | 465-180      | 107      |
| 11511540 | 001    | 333U-100 | 97       | 11604014 | 402-140    | 102      | 11612518 | 470-180      | 107      |
| 11511550 | 001    | 333U-120 | 97       | 11604006 | 001        | 102      | 11613018 | 475-180      | 107      |
| 11511560 | 001    | 333U-140 | 97       | 11604008 | 001        | 102      | 11613518 | 480-180      | 107      |
| 11512240 | 001    | 333Y-100 | 97       | 11604010 | 001        | 102      | 11614018 | 482-180      | 107      |
| 11512250 | 001    | 333Y-120 | 97       | 11604012 | 001        | 102      | 11614518 | 485-180      | 108      |
| 11512260 | 001    | 333Y-140 | 97       | 11604014 | 001        | 102      | 11615018 | 487-180      | 108      |
| 11512540 | 001    | 334-100  | 97       | 11604514 | 405-140    | 102      | 11615710 | 490T-100     | 108      |
| 11512550 | 001    | 334-120  | 97       | 11604517 | 405-170    | 102      | 11615712 | 490T-120     | 108      |
| 11512560 | 001    | 334-140  | 97       | 11604520 | 405-200    | 102      | 11647012 | 490-120      | 108      |
| 11513520 | 001    | 335V-80  | 98       | 11604514 | 001        | 103      | 11647014 | 490-140      | 108      |
| 11513530 | 001    | 335V-90  | 98       | 11604517 | 001        | 103      | 11616210 | 492T-100     | 108      |
| 11513540 | 001    | 335V-100 | 98       | 11604520 | 001        | 103      | 11647112 | 492-120      | 108      |
| 11513550 | 001    | 335V-120 | 98       | 11605008 | 410-80     | 103      | 11616212 | 492T-120     | 108      |
| 11513560 | 001    | 335V-140 | 98       | 11605010 | 410-100    | 103      | 11647114 | 492-140      | 108      |
| 11513020 | 001    | 335U-80  | 98       | 11605012 | 410-120    | 103      | 11616214 | 492T-140     | 108      |
| 11513030 | 001    | 335U-90  | 98       | 11605014 | 410-140    | 103      | 11647210 | 494-100      | 108      |
| 11513040 | 001    | 335U-100 | 98       | 11605008 | 001        | 103      | 11616610 | 494T-100     | 108      |
| 11513050 | 001    | 335U-120 | 98       | 11605010 | 001        | 103      | 11647215 | 494-150      | 108      |
| 11513060 | 001    | 335U-140 | 98       | 11605012 | 001        | 103      | 11647310 | 495-100      | 108      |
| 11513720 | 001    | 335Y-80  | 98       | 11605014 | 001        | 103      | 11615910 | 495T-100     | 108      |
| 11513730 | 001    | 335Y-90  | 98       | 11607514 | 411-170    | 103      | 11647315 | 495-150      | 108      |
| 11513740 | 001    | 335Y-100 | 98       | 11605514 | 415-140    | 103      | 11615915 | 495T-150     | 108      |
| 11513750 | 001    | 335Y-120 | 98       | 11605517 | 415-170    | 103      | 19912001 | SP-495PS-100 | 108      |
| 11513760 | 001    | 335Y-140 | 98       | 11605520 | 415-200    | 103      | 19912005 | SP-495PS-150 | 108      |
| 11514530 | 001    | 336V-90  | 98       | 11605514 | 001        | 103      | 11647410 | 496-100      | 109      |
| 11514540 | 001    | 336V-100 | 98       | 11605517 | 001        | 103      | 11617610 | 496T-100     | 109      |
| 11514550 | 001    | 336V-120 | 98       | 11605520 | 001        | 103      | 11647415 | 496-150      | 109      |
| 11514560 | 001    | 336V-140 | 98       | 11606006 | 420-60     | 104      | 11617615 | 496T-150     | 109      |
| 11514570 | 001    | 336V-160 | 98       | 11606006 | 001        | 104      | 11648010 | 497-100      | 109      |
| 11514580 | 001    | 336V-200 | 98       | 11606008 | 420-80     | 104      | 11615810 | 497T-100     | 109      |
| 11514030 | 001    | 336U-90  | 98       | 11606008 | 001        | 104      | 11615810 | 001          | 497T-100 |
| 11514040 | 001    | 336U-100 | 98       | 11606010 | 420-100    | 104      | 11648015 | 497-150      | 109      |
| 11514050 | 001    | 336U-120 | 98       | 11606010 | 001        | 104      | 11615815 | 497T-150     | 109      |
| 11514060 | 001    | 336U-140 | 98       | 11606012 | 420-120    | 104      | 11648010 | 001          | 497Z-100 |
| 11514070 | 001    | 336U-160 | 98       | 11606012 | 001        | 104      | 11648015 | 001          | 497Z-150 |
| 11514080 | 001    | 336U-200 | 98       | 11606014 | 420-140    | 104      | 19912240 | 497PS-100    | 109      |
| 11514730 | 001    | 336Y-90  | 98       | 11606014 | 001        | 104      | 19912245 | 497PS-150    | 109      |
| 11514740 | 001    | 336Y-100 | 98       | 11606514 | 425-140    | 104      | 11648110 | 498-100      | 109      |
| 11514750 | 001    | 336Y-120 | 98       | 11606514 | 001        | 104      | 11616710 | 498T-100     | 109      |
| 11514760 | 001    | 336Y-140 | 98       | 11606517 | 425-170    | 104      | 11648115 | 498-150      | 109      |
| 11514770 | 001    | 336Y-160 | 98       | 11606517 | 001        | 104      | 11616715 | 001          | 498T-150 |
| 11514780 | 001    | 336Y-200 | 98       | 11606520 | 425-200    | 104      | 11648110 | 001          | 498Z-100 |
| 11515020 | 001    | 337-80   | 99       | 11606612 | 425PS-120  | 104      | 11648115 | 001          | 498Z-150 |
| 11515025 | 001    | 337-80S  | 99       | 11606614 | 425PS-140  | 104      | 11618515 | 500-150      | 109      |
| 11515030 | 001    | 337-90   | 99       | 11606617 | 425PS-170  | 104      | 11619015 | 505-150      | 109      |
| 11515035 | 001    | 337-90S  | 99       | 11607006 | 430DX-60   | 104      | 11619515 | 510-150      | 109      |
| 11515040 | 001    | 337-100  | 99       | 11607006 | 001        | 104      | 11619515 | 001          | 510Z-150 |
| 11515045 | 001    | 337-100S | 99       | 11607008 | 430DX-80   | 104      | 11620015 | 515-150      | 110      |
| 11515050 | 001    | 337-120  | 99       | 11607008 | 001        | 104      | 11620515 | 520-150      | 110      |
| 11515056 | 001    | 337-120S | 99       | 11607010 | 430DX-100  | 104      | 11621015 | 525-150      | 110      |
| 11515060 | 001    | 337-140  | 99       | 11607010 | 001        | 104      | 11621515 | 530-150      | 110      |
| 11515530 | 001    | 338-90   | 99       | 11607012 | 430DX-120  | 104      | 11621615 | 540DX        | 110      |
| 11515540 | 001    | 338-100  | 99       | 11607012 | 001        | 104      | 11621605 | 540SX        | 110      |
| 11515550 | 001    | 338-120  | 99       | 11607014 | 430DX-140  | 104      | 11621620 | 541DX        | 110      |
| 11515560 | 001    | 338-140  | 99       | 11607014 | 001        | 104      | 11621610 | 541SX        | 110      |
| 11515570 | 001    | 338-160  | 99       | 11607017 | 430DX-170  | 104      | 11621705 | 542-70       | 111      |
| 11515580 | 001    | 338-200  | 99       | 11607017 | 001        | 104      | 11621710 | 543-70       | 111      |
| 11515621 | 001    | 339V-120 | 99       | 11607020 | 430DX-200  | 104      | 11621805 | 544-15       | 111      |
| 11515622 | 001    | 339V-160 | 99       | 11607106 | 430SX-60   | 104      | 11601005 | 545-0        | 111      |
| 11515611 | 001    | 339U-120 | 99       | 11607106 | 001        | 104      | 11601010 | 545-C        | 111      |
| 11515612 | 001    | 339U-160 | 99       | 11607108 | 430SX-80   | 104      | 11601015 | 545-CS       | 111      |
| 11515641 | 001    | 339-120  | 99       | 11607108 | 001        | 104      | 12100905 | 546-0        | 111      |
| 11515642 | 001    | 339-160  | 99       | 11607110 | 430SX-100  | 104      | 12100910 | 546-C        | 111      |
| 19907301 | 001    | 339-250  | 99       | 11607110 | 001        | 104      | 12100915 | 546-CS       | 111      |
| 11516010 | 001    | 340-60   | 99       | 11607112 | 430SX-120  | 104      | 12100950 | 547-DX-M     | 111      |
| 11516020 | 001    | 340-80   | 99       | 11607112 | 001        | 104      | 12100960 | 547-SX-M     | 111      |
| 11516040 | 001    | 340-100  | 99       | 11607114 | 430SX-140  | 104      | 12100955 | 547-DX-B     | 111      |
| 11516050 | 001    | 340-120  | 99       | 11607114 | 001        | 104      | 12100965 | 547-SX-B     | 111      |
| 11517020 | 001    | 342-80   | 99       | 11607117 | 430SX-170  | 104      | 12100970 | 548-27,5-M   | 112      |
| 11517030 | 001    | 342-90   | 99       | 11607117 | 001        | 104      | 12100980 | 548-25,5-M   | 112      |
| 11517040 | 001    | 342-100  | 99       | 11607120 | 430SX-200  | 104      | 12100975 | 548-27,5-B   | 112      |
| 12400503 | 001    | 400-9    | 102      | 11607308 | 431-80     | 105      | 12100985 | 548-25,5-B   | 112      |
| 12400504 | 001    | 400-10   | 102      | 11607338 | 431-80 Sp3 | 105      | 11622030 | 550-300      | 112      |
| 12400505 | 001    | 400-11   | 102      | 11607310 | 431-100    | 105      | 11622530 | 551-300      | 112      |
| 12400510 | 001    | 400-12   | 102      | 11607311 | 431-110    | 105      | 11623030 | 552-300      | 112      |
| 12400515 | 001    | 400-14   | 102      | 11607312 | 431-120    | 105      | 11628506 | 560T-60      | 112      |
| 12400520 | 001    | 400-16,5 | 102      | 11698010 | 435-30X30  | 105      | 11628506 | 001          | 560T-60  |
| 12400525 | 001    | 400-20   | 102      | 11697010 | 435-40X30  | 105      | 11647608 | 560-80       | 112      |
| 15400712 | 001    | 401S-12  | 102      | 11698020 | 436-30X30  | 105      | 11647608 | 001          | 560Z-80  |
| 15400714 | 001    | 401S-14  | 102      | 11697020 | 436-40X30  | 105      | 11647610 | 560-100      | 112      |
| 15400720 | 001    | 401S-20  | 102      | 11698030 | 437-30X30  | 105      | 11628510 | 560T-100     | 112      |
| 15400506 | 001    | 401Z-6   | 102      | 11697030 | 437-40X30  | 105      | 11647612 | 560-120      | 112      |
| 15400508 | 001    | 401Z-8   | 102      | 11607509 | 440-90     | 105      | 11628512 | 560T-120     | 112      |
| 15400509 | 001    | 401Z-9   | 102      | 11608009 | 445-90     | 105      | 11647614 | 560-140      | 112      |
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| 15400514 | 001    | 401Z-14  | 102      | 11610018 | 457-180    | 106      | 11647710 | 564-100      | 113      |
| 11604006 | 402-60 | 102      | 11610518 | 458-180  | 106        | 11615911 | 564T-100 | 113          |          |
| 11604008 | 402-80 | 102      | 11611018 | 459-180  | 106        | 11647712 | 564-120  | 113          |          |

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| 11501470      | 300i-V160      | 169 | N200C012XB009 | 2-0142-009  | 178 | N280D002SB010 | 2-8166-010 SX | 180 |
| 11501480      | 300i-V200      | 169 | N200C012XB010 | 2-0142-010  | 178 | N280E002DB009 | 2-8186-009 DX | 180 |
| 11502140      | 305i-V100      | 169 | N200C003XB009 | 2-0144-009  | 178 | N280E002DB010 | 2-8186-010 DX | 180 |
| 11502150      | 305i-V120      | 169 | N200C003XB010 | 2-0144-010  | 178 | N280E002SB009 | 2-8186-009 SX | 180 |
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| 11502180      | 305i-V200      | 169 | N200D002XB009 | 2-0166-009  | 178 | M280E002SA604 | 2-8786-604 SX | 180 |
| 11504810      | 310i-60        | 170 | N200D002XB010 | 2-0166-010  | 178 | M280E002DA503 | 2-8786-503 DX | 180 |
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| 11504870      | 310i-160       | 170 | N200E002XB010 | 2-0186-010  | 178 | M290D001XA604 | 2-9765-604    | 180 |
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| 11505170      | 315i-160       | 170 | M200D006XA604 | 2-0765-604  | 178 | N292D001XB009 | 2-9265-009    | 180 |
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| 11513640      | 335i-V100      | 170 | M200E001XA503 | 2-0782-503  | 178 | N292E001XB010 | 2-9283-010    | 180 |
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| 11515130      | 337i-90S       | 170 | N210C002XB009 | 2-1147-009  | 178 | N300D001DB010 | 3-0166-010 DX | 180 |
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| 11101620 | F1012  | 196 | 11100071 | F2000   | 199 | 11108632 | F7056ANS | 202 |
| 11107220 | F1042  | 196 | 11100072 | F2001   | 199 | 11108635 | F7058B   | 202 |
| 11109620 | F1052S | 197 | 11100082 | F3025L  | 200 | 11108636 | F7058N   | 202 |
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## GENERAL TERMS OF SALE

### 1. GENERAL INFORMATION

1.1 This document is intended for customers (hereinafter "Customers") of FRATELLI COMUNELLO SPA (hereinafter simply COMUNELLO); its purpose is to inform customers about the contractual conditions that COMUNELLO shall apply in all the sales of its products (hereinafter GENERAL TERMS AND CONDITIONS OF SALE), unless otherwise agreed in writing, and which, in any case, are binding on and effective between the parties pursuant to art. 1341 of the Italian Civil Code.

1.2. COMUNELLO applies the Italian law in all contractual relationships involving the sale of its products, save for any specific derogations to be agreed and proved in writing.

1.3 The General Terms and Conditions of Sale listed here exclusively refer to products bearing the COMUNELLO trademark (hereinafter the "Products").

### 2. OFFERS – QUOTES

2.1 The offers made by COMUNELLO to its Customers are effective for a maximum period of 20 (twenty) days from their submission; in any case they will have to be formalized in writing, including by email.

2.2 Upon expiry of the aforementioned deadline, the offer made by COMUNELLO shall be deemed cancelled and not acceptable by the CUSTOMER, unless otherwise specifically agreed in writing between the contracting parties

### 3. ORDERS

3.1 Purchase orders signed by the Customers and addressed to Comunello must be confirmed using the specific form prepared by Comunello (order confirmation), which each Customer has to sign and return to Comunello, precisely specifying the quantity of the goods bought and any additional features of the requested products.

3.2 The purchase contract shall be considered finalized and binding on the parties by means of:

- a) confirmation of the purchase order by FRATELLI COMUNELLO SPA;
- b) physical execution of the purchase order by FRATELLI COMUNELLO SPA, provided it is in compliance with the contents of the sale entered into between the parties.

3.3 Any amendment or addition to the individual provisions of the General Terms and Conditions of Sale or to the purchase order shall be ineffective unless approved in writing by COMUNELLO SPA. In the event changes are made to the purchase order after sending the form specified in paragraph 3.1., they shall have no effect if in the meantime Comunello has accepted the order or has implemented it in part; in any event, Comunello reserves the right to cancel the original purchase order and to suspend performance of the current one, requesting damages.

3.4 The Product delivery date specified in the purchase orders is always indicative and any delay of up to 30 days with respect to such deadline shall never constitute grounds for the CUSTOMER to claim damages against Comunello or to terminate the contractual relationship.

More specifically, Comunello reserves the right to extend the delivery date due to unforeseeable circumstances or force majeure or in any case for circumstances that could not be foreseen at the time of the sale (for example, difficulty in procurement of raw materials and components); if prior to delivery, the CUSTOMER is in a difficult financial situation or changes its legal form, Comunello shall be entitled to suspend performance of, and possibly terminate the contract.

### 4. DELIVERY AND SHIPPING

4.1 The Products are delivered to the Customer at the production site or at the registered office of Comunello (hereinafter "Delivery").

4.2 If the Products are delivered Ex-works Rosà or Cassola (VI) Incoterms 2020, the risk is transferred upon delivery of the Products by FRATELLI COMUNELLO SPA to the Customer or to the carrier, the CUSTOMER being in charge of the transportation costs.

4.3 Unless otherwise agreed, FRATELLI COMUNELLO SPA shall establish, in the name and on behalf of the Customer, the type of shipment, the transport route and the carrier.

4.4 FRATELLI COMUNELLO SPA reserves the right to partially fulfil the purchase order or to partially deliver the products ordered. The Customer cannot raise any objection with regard to partial deliveries and/or deliveries made by instalments. All Partial deliveries shall be invoiced individually and the payment time limits shall run from the date of each invoice. The payment of partial Deliveries may not be deferred until completion of all the Deliveries related to the original purchase order. The provisions of Article 4.1 shall also apply to partial deliveries.

### 5. PRICES AND PRICE LISTS

5.1 The price is as specified in the last Comunello price list for the products delivered to the Customer, including normal packaging and excluding shipping costs (hereinafter the "Price"). The last price list issued by FRATELLI COMUNELLO SPA cancels all previous price lists and, unless otherwise agreed, it shall be applicable to the sale.

### 6. PAYMENT

6.1 Payment of the Price has to be made within the time limit agreed between the contracting parties. Failure to pay the price within the agreed time limit shall result in the application of interest for late payment in commercial transactions, to the extent provided by Legislative Decree No. 231 of 9.10.2002 as amended and supplemented. Default interest shall run from the expiry of the payment due date, subject to COMUNELLO's right to seek compensation for any further damage.

6.2 The Customer may not make claims or raise objections against Comunello until the Price has been paid.

6.3 In the event of irregular payments, Comunello reserves the right to suspend the performance of all purchase orders, including those not affected by the delay or default by the CUSTOMER, without notice and with no right to compensation for the CUSTOMER.

### 7. RETURNS AND COMPLAINTS

7.1 Any complaints referring to either the quantity or the quality of the delivered Products must be made in writing within 8 (eight) days from receipt of the Products.

7.2 The Products returned shall be accepted by FRATELLI COMUNELLO SPA only after written agreement and exclusively with regard to new Products with their original packaging.

7.3 The Products must be returned using the appropriate transport document specifying the written permission of FRATELLI COMUNELLO SPA as well as the quantity and quality of the Products.

7.4 Returns shall not be considered accepted by FRATELLI COMUNELLO SPA unless they are returned in the manner specified above and, specifically, taking delivery of the Products at the headquarters or at the warehouses of FRATELLI COMUNELLO SPA may not be construed as acceptance of the returns.

7.5 The amount credited for returns not due to causes attributable to FRATELLI COMUNELLO SPA, shall be subject to a 30% deduction, to be regarded as a flat-rate assessment of the damage (penalty clause), charged to the Customer on account of the general, shipping, goods deterioration, age etc. costs incurred by COMUNELLO.

### 8. WARRANTY

8.1 In business relationships or in case of products sold for professional use, this warranty is limited to the repair or replacement of product parts that FRATELLI COMUNELLO SPA acknowledges as defective, through equivalent re-manufactured Products (the "Conventional Warranty"); the warranty does not include the costs necessary for repairing or replacing the material (e.g. labour costs, rental of equipment etc) .-

8.2 The provisions contained in articles 1490 to 1495 of the Italian Civil Code shall not apply.

8.3 FRATELLI COMUNELLO SPA warrants the proper operation of the products within the limits indicated in 8.1 above. Unless otherwise agreed, the validity of the Conventional Warranty is 24 (twenty four) months from the production date, which can be found on the products. For actuators of the Showin line the warranty is 60 (sixty) months from the production date, while for the remaining products of the Automation Frame Line the warranty is 36 (thirty six) months from the production date. The Warranty shall be effective and binding on COMUNELLO only if the product has been correctly installed and maintained in accordance with the installation and safety rules set out in the documentation provided by COMUNELLO or otherwise available on the website [www.comunello.com](http://www.comunello.com)

8.4 The warranty does not cover: failures or damage caused by transport; failures or damage caused by defects in the electrical system of the buyer and/or by carelessness, negligence, inadequate or abnormal use of such system; failure or damage due to tampering carried out by unauthorized personnel or due to incorrect use / installation (in this regard, system maintenance at least every six months is recommended) or the use of non-original spare parts; defects caused by chemical agents and/or atmospheric phenomena. The warranty does not cover the cost of consumables; in any event, COMUNELLO shall be entitled to a consideration for the work performed at the Customer, where such work proves useless as the warranty did not apply or because the customer had used the Comunello product in a negligent, reckless or incompetent manner, such that the proper use of the product could have avoided the work.

8.5 Implementation terms: unless otherwise agreed, the right to the Conventional Warranty is exercised by showing a copy of the purchase document (invoice) to COMUNELLO. Any defect must be notified to COMUNELLO within the time limit of thirty (30) days from detection of the defect.

The action must be exercised within the limitation period of 6 (six) months from detection of the defect. The Product parts for which the Customer requests application of the Conventional Warranty must be returned by the Customer to FRATELLI COMUNELLO SPA, Via Cassola 64, 36027 Rosà (VI) Italy.

8.6 The Customer cannot claim compensation for indirect damage, loss of profits, loss of production and in any case it cannot claim compensation for an amount that exceeds the value of the supplied components or products. All transport costs for Products that have been repaired or to be repaired, although covered by the Conventional Warranty, shall be charged to the Customer.

8.7 No external work carried out by Comunello technical staff is covered by the Conventional Warranty.

8.8 Specific amendments to the Conventional Warranty conditions described herein can be defined by the parties in their commercial contracts.

### 9. REPAIRS AFTER EXPIRATION OF THE WARRANTY

9.1 The Product repairs requested by the Customer shall be carried out by FRATELLI COMUNELLO SPA, subject to prior agreement on the cost of the work. In any case, labour and transport costs (return) shall be charged to the customer.

### 10. RESERVATION OF TITLE

10.1 The Products delivered to the CUSTOMER shall continue to be the property of FRATELLI COMUNELLO SPA until full payment of the Price by the Customer, regardless of who has possession of the Products. Transport costs and other costs necessary to recover the Products as well as extraordinary expenses and those that can be recovered, shall be charged to the Customer.

### 11. PATENTS, TRADEMARKS AND DISTINCTIVE MARKS

11.1 The Customer is aware that the Products are covered by patents and incorporate know-how and design that are the exclusive property of FRATELLI COMUNELLO SPA, pursuant to the Italian Industrial Property Code.

11.2 The Customer is expressly forbidden from infringing such FRATELLI COMUNELLO SPA's rights; in any case, the Customer may not in any way remove, delete or otherwise alter the trademarks or other signs or distinctive marks of any kind affixed to Products; the Customer is likewise forbidden from affixing new ones of any kind. Any form of reproduction or use of the FRATELLI COMUNELLO SPA trademark and of any other distinctive mark on the Products is forbidden, without written authorization by FRATELLI COMUNELLO SPA.

### 12. EXPRESS TERMINATION CLAUSE

12.1 Pursuant to article 1456 of the Italian Civil Code, any delay of more than ten days in the payment, or any non-payment of the Price, including partial, by the Client, as provided for in Article 6 of these General Terms and Conditions of Sale, shall result in termination of the purchase contract and FRATELLI COMUNELLO SPA shall be entitled to seek compensation from the Customer for the damage suffered, in addition to restitution of the Products not paid by the Customer.

12.2 The notice referred to in the previous paragraph shall be sent by registered mail with return receipt or via certified email address (Pec).

### 13. AGREEMENT BETWEEN THE PARTIES

13.1 Any agreements, existing or that will take place between FRATELLI COMUNELLO SPA and the Customer, in relation to returns and payment methods, shall prevail over the provisions of these General Terms and Conditions of Sale.

### 14. APPLICABLE LAW AND JURISDICTION

14.1 The purchase contracts entered into in accordance with the General Terms and Conditions of Sale are subject to Italian law only, with the exclusion of any other legislation.

14.2 All disputes that may arise on the mentioned purchase contracts shall be subject to Italian jurisdiction and referred to the exclusive competence of the Court of Vicenza, including if the agreed payment method is by bank collection order or draft payable at the customer's (Italy). The content of this catalogue is subject to change at any time and without notice by FRATELLI COMUNELLO SPA.



## NOTES

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TECHNICAL INFORMATION  
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