

Ranger

PATENT
PENDING

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

*Il sistema telescopico Comunello.
Un perfetto meccanismo senza funi
che mantiene la precisione anno
dopo anno.*

- **Very large opening** with very compact closure
- **Precise, high quality**, ground-mounted rack driven track system
- **Cableless** rack and pinion transmission of movement between the leaves
- **Simplified template** guide for easy and accurate installation

- *Apertura molto ampia* e chiusura davvero compatta
- Sistema binario a cremagliera **preciso** e di **qualità**.
- *Trasmissione del movimento* tra le ante attraverso un sistema di pignoni **senza funi**
- *Dima semplificata* per un'installazione facile e precisa

202F-A

Damped runaway stop to be screwed

Arresto di fine corsa ammortizzato
con base a fissare

Butoir de fin de course amorti avec base à visser

Torendpuffer mit Platte zum Anschrauben

Tope de final de carrera amortiguado con base para fijar

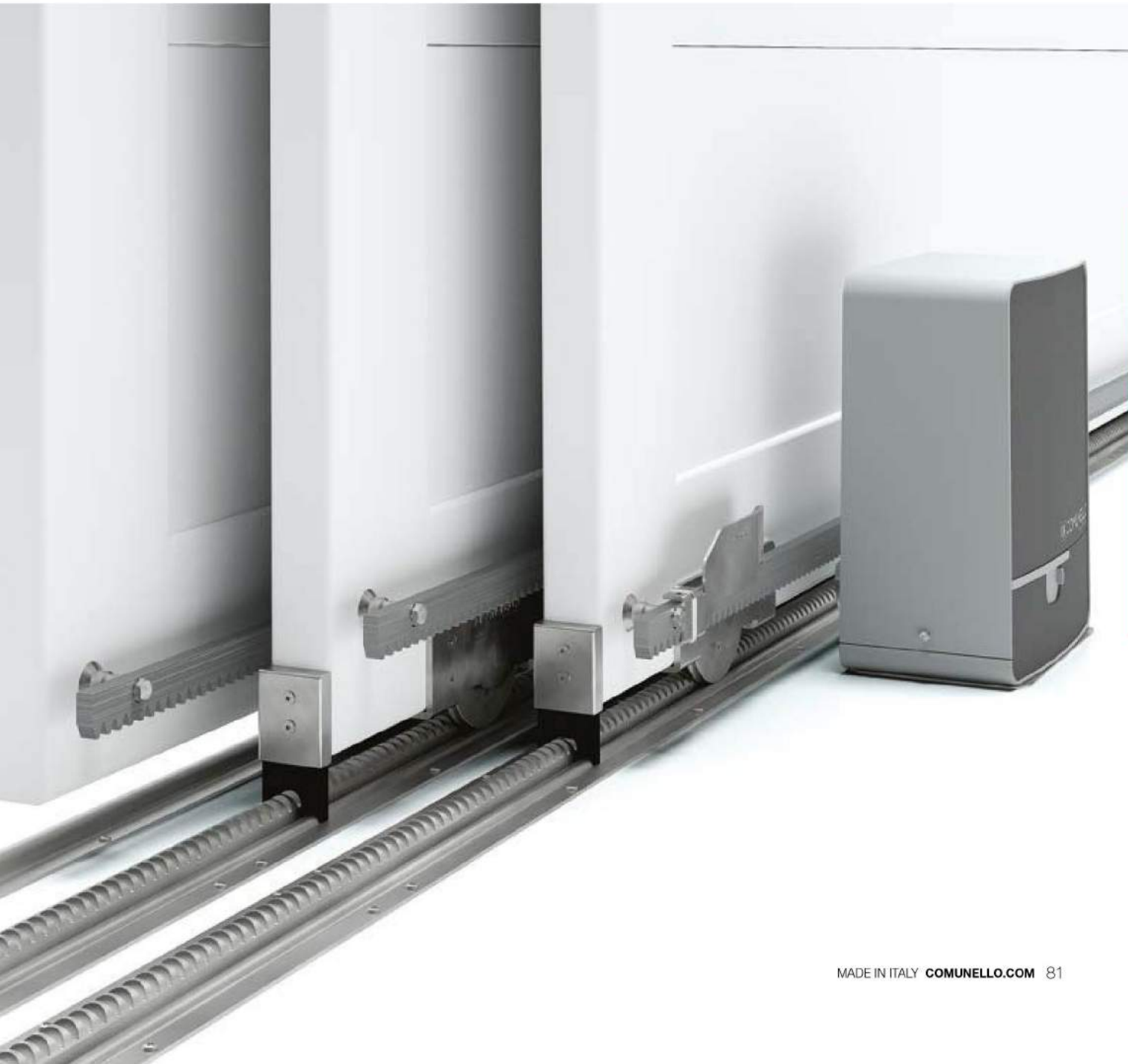
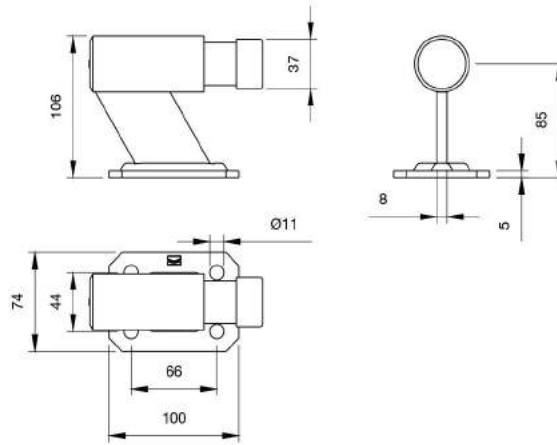
Амортизированный стопор конца хода с
приклеиваемым основанием



| CODE | ART. | Box info | |
|--------------|--------|--------------|-----|
| | | Pcs per pack | Kg |
| 10704201 001 | 202F-A | 4 | 5,6 |

Finishing: Zincato / Galvanized

Categoria commerciale: 1C



RANGER

Compatible accessories

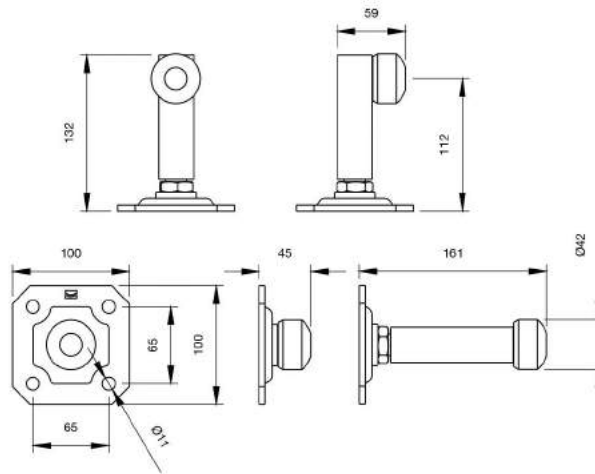
201

Strike plate to be fastened with triple function
Battente "Tris" a fissare tripla funzione
Butée à fixer triple fonction
Aufaufschuh zur Befestigung mit dreifacher Funktion
Tope "tris" para fijar triple función
Упор "tris" прикрепляемый с тройной функцией



| CODE | ART. | Box info | |
|--------------|------|--------------|-----|
| | | Pcs per pack | Kg |
| 10701450 001 | 201 | 2 | 2.8 |

Finishing: Galvanized / Zincato



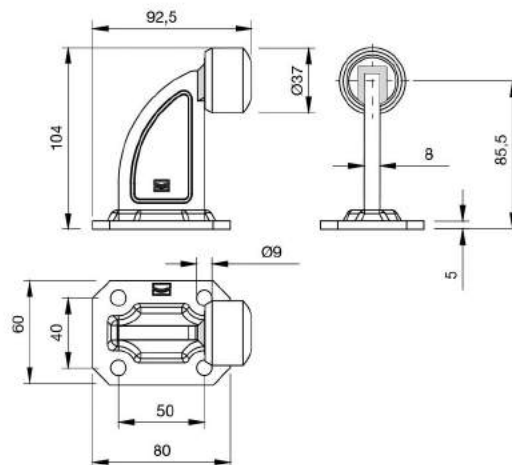
202 P

Runaway stop to be screwed
Arresto di fine corsa con base a fissare
Butoir de fin de course avec base à visser
Torendpuffer mit Befestigungsplatte zum Anschrauben
Tope de final de carrera con base para fijar
Стопор конца хода с прикрепляемым основанием



| CODE | ART. | Box info | |
|--------------|-------|--------------|------|
| | | Pcs per pack | Kg |
| 10701805 001 | 202 P | 20 | 12,0 |

Finishing: Galvanized / Zincato



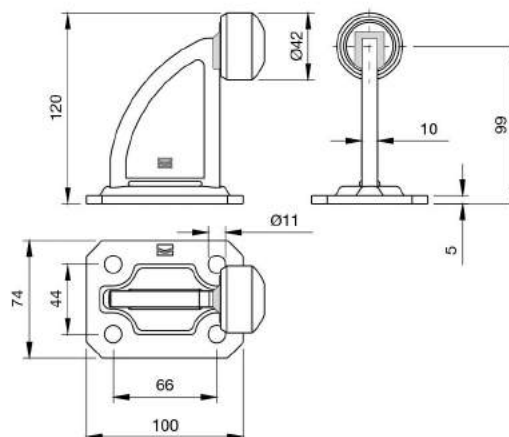
202 G

Runaway stop to be screwed
Arresto di fine corsa con base a fissare
Butoir de fin de course avec base à visser
Torendpuffer mit Befestigungsplatte zum Anschrauben
Tope de final de carrera con base para fijar
Стопор конца хода с прикрепляемым основанием



| CODE | ART. | Box info | |
|--------------|-------|--------------|-----|
| | | Pcs per pack | Kg |
| 10701810 001 | 202 G | 10 | 7.4 |

Finishing: Galvanized / Zincato



CG-15

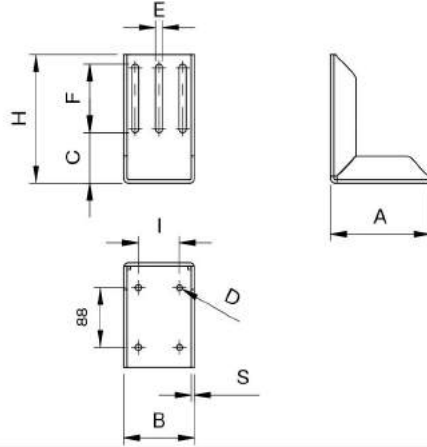
Adjustable wall mounting angle racket for end cup
Staffa angolare regolabile fissaggio a muro per incontro

Platine angulaire réglable fixation au mur pour butée
Verstellbare Eckmuerhalterung für Aufgateschuh
Placa angular regulable fijación a la pared para encuentro
Угловой регулируемый кронштейн крепления к стене для упора



| CODE | ART. | A | B | C | D | E | F | H | I | S | Box info | |
|--------------|--------|-----|-----|----|-------|----|----|-----|----|---|--------------|------|
| | | | | | | | | | | | Pcs per pack | Kg |
| 10708001 001 | CG-15M | 155 | 110 | 65 | ∅ 9.5 | 9 | 78 | 165 | 64 | 5 | 1 | 2.60 |
| 10708005 001 | CG-15P | 155 | 110 | 80 | ∅ 9.5 | 11 | 90 | 190 | 64 | 5 | 1 | 2.90 |

Finishing: Galvanized / Zincato



CG-30

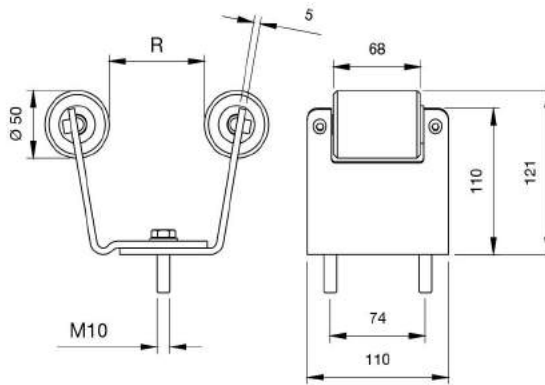
Adjustable end cup to be fixed for gates
Incontro per cancelli regolabile a fissare

Butée réglable à fixer pour portails
Verstellbarer Aufgateschuh zum Aufschrauben für Tore
Encuentro para puertas regulable para fijar
Прикрепляемый упор для ворот регулируемый



| CODE | ART. | Size | R | Box info | |
|--------------|--------|---------|---------|--------------|------|
| | | | | Pcs per pack | Kg |
| 10707601 001 | CG-30M | Mini | 53-76 | 1 | 1.50 |
| 10707605 001 | CG-30P | Piccolo | 86-114 | 1 | 1.90 |
| 10707610 001 | CG-30G | Grande | 103-150 | 1 | 2.30 |

Finishing: Galvanized / Zincato



199

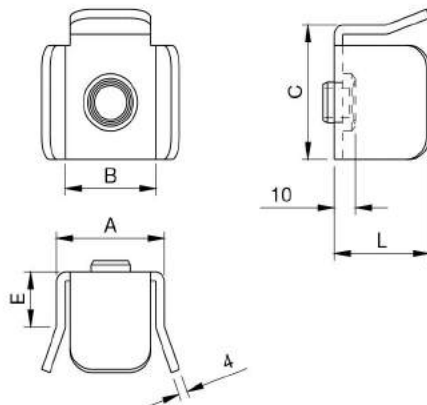
Upper end with shock absorber cup
Incontro superiore con tappo ammortizzatore

Butée supérieure avec bouchon amortisseur
Oberer Aufgateschuh mit Schlusssdämpfer
Encuentro superior con tapón amortiguador
Верхний упор с амортизирующим буфером



| CODE | ART. | Size | A | B | C | E | L | Box info | |
|----------|--------|--------|----|----|----|----|----|--------------|-----|
| | | | | | | | | Pcs per pack | Kg |
| 10704705 | 199-50 | Medio | 60 | 52 | 69 | 30 | 50 | 6 | 2,3 |
| 10704710 | 199-60 | Grande | 70 | 62 | 79 | 35 | 60 | 6 | 3,0 |

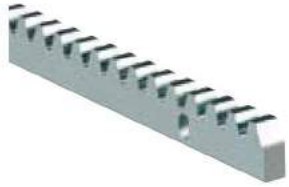
Finishing: Not galvanized / Non zincato



Compatible accessories

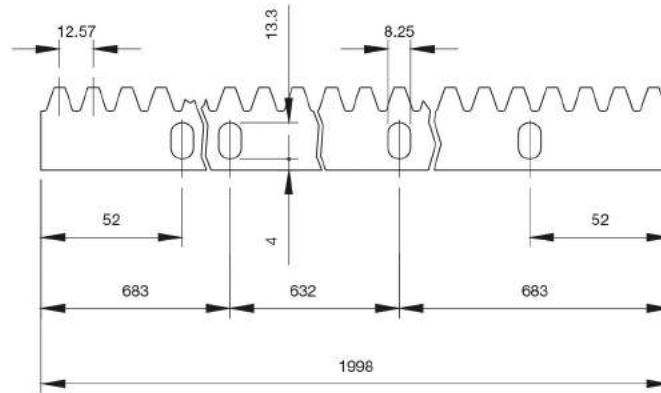
262

Rectangular rack 30x12 with holes
 Cremagliera Rettangolare 30x12 con fori
 Crémaillère rectangulaire 30x12 avec trous
 Rechteckige Zahnstange 30x12 mit Bohrungen
 Cremallera Rectangular 30x12 con agujeros
 Зубчатая рейка прямоугольная 30x12 с отверстиями



| CODE | ART. | Size | L | Box info | |
|--------------|-----------|--------|------|--------------|------|
| | | | | Pcs per pack | Kg |
| 11401005 001 | 262-30x12 | L=1000 | 1000 | 1 | 2.40 |

Finishing: Galvanized / Zincato



Module m=4

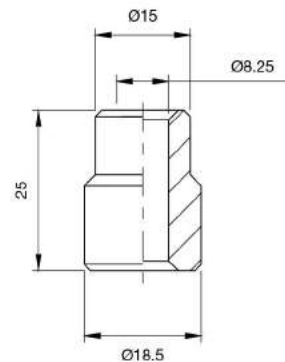
264

Support for rectangular rack to be welded
 Attacco a saldare per cremagliera rettangolare
 Attache entretoise pour crémaillère rectangulaire
 Distanzstück für rechteckige Zahnstange zum Schweißen
 Fijación para soldar para cremallera rectangular
 Привариваемое соединение для прямоугольной зубчатой рейки



| CODE | ART. | Box info | |
|--------------|------|--------------|------|
| | | Pcs per pack | Kg |
| 11401505 001 | 264 | 30 | 1.50 |

Finishing: Galvanized / Zincato



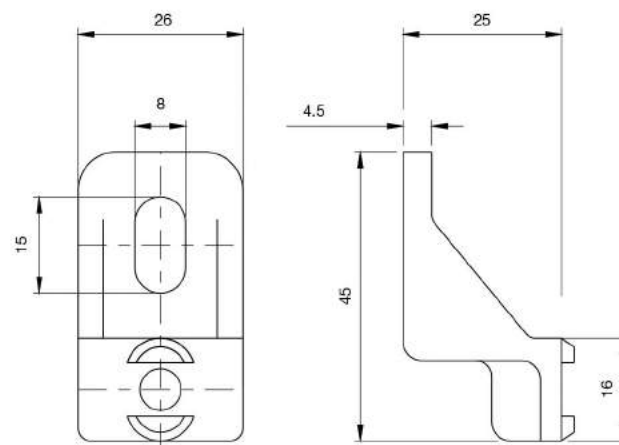
266

Alloy support for rectangular rack
 Attacco in zama per cremagliera rettangolare
 Attache entretoise en zamac pour crémaillère rectangulaire
 Zamak-Distanzstück für rechteckige Zahnstange
 Fijación de zamak para cremallera rectangular
 Соединение из сплава зата для прямоугольной зубчатой рейки



| CODE | ART. | Box info | |
|--------------|------|--------------|------|
| | | Pcs per pack | Kg |
| 11402505 001 | 266 | 30 | 2.10 |

Finishing: Galvanized / Zincato



256

Adjustable guiding plate for gates with long wing to be screwed

Piastra guida cancello regolabile con ala lunga a fissare

Platine guide-portail réglable avec aile longue à visser

Verstellbarer Torführungsbügel mit langem Flügel zum Anschrauben

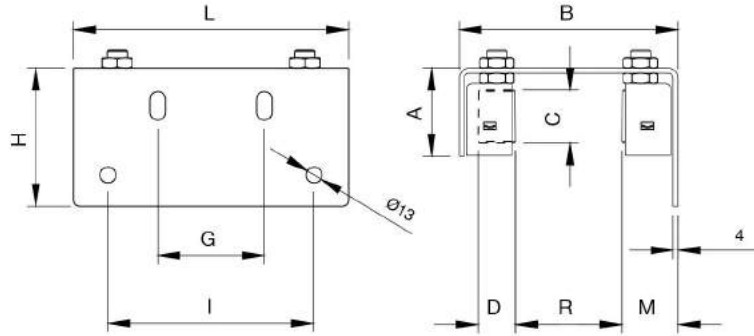
Placa de guía de la puerta regulable con ala larga para fijar

Пластина регулируемая направляющая ворот с длинной прикрепляемой полкой



| CODE | ART. | Size | A | B | C | D | G | H | I | L | M | R | Box info | |
|--------------|---------|------|----|-----|----|-----|-----|-----|-----|-----|----|-------|--------------|-------|
| | | | | | | | | | | | | | Pcs per pack | Kg |
| 11305905 001 | 256-220 | Ø30 | 70 | 175 | 40 | Ø30 | 85 | 110 | 165 | 220 | 45 | 0-80 | 4 | 11,60 |
| 11305910 001 | 256-300 | Ø40 | 80 | 230 | 58 | Ø40 | 150 | 150 | 230 | 300 | 52 | 0-120 | 2 | 9,10 |

Finishing: Galvanized / Zincato



289

Track to be bolted "Rapido"

Binario a fissare "Rapido"

Rail à visser "Rapido"

Laufschiene zum Anschrauben "Rapido"

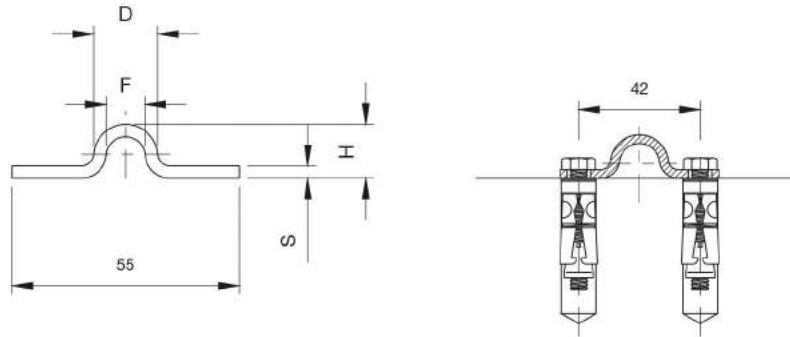
Carri para fijar "Rápido"

Рельсы прикрепляемые "Rapido"



| CODE | ART. | D | F | L | H | S | Box info | |
|--------------|--------------|-----|-----|------|----|---|--------------|--------|
| | | | | | | | Pcs per pack | Kg |
| 10201505 001 | 289G-Ø19-Sp3 | Ø19 | Ø12 | 3000 | 16 | 3 | 25 | 123,00 |
| 10201510 001 | 289G-Ø19-Sp3 | Ø19 | Ø12 | 6000 | 16 | 3 | 25 | 246,00 |

Finishing: Galvanized / Zincato



Equally distributed weight
Peso uniformemente distribuito

260

Square rack

Cremaigliera quadra

Crémaillère carrée

Viereckige Zahnstange

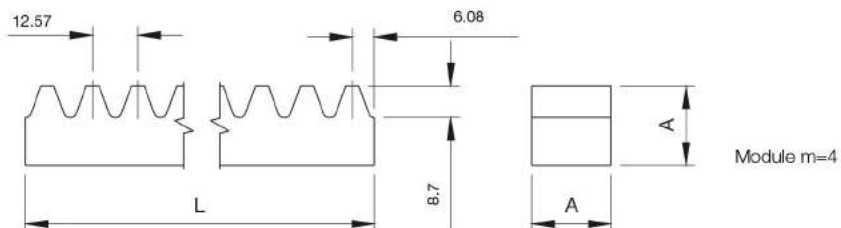
Cremaillera cuadrada

Зубчатая рейка квадратная



| CODE | ART. | Size | A | L | Box info | |
|--------------|-----------|--------|----|------|--------------|------|
| | | | | | Pcs per pack | Kg |
| 11400505 001 | 260-22x22 | L=1000 | 22 | 1000 | 1 | 3.10 |

Finishing: Galvanized / Zincato



Compatible accessories

CG-58

| CODE | ART. | Size | Box info | |
|--------------|-------|----------------|--------------|-----|
| | | | Pcs per pack | Kg |
| 10131600 001 | CG-58 | Mini / Piccolo | 1 | 0.4 |

Automation adapter for Integrator kit, Mini and Piccolo version / Ranger

Adattatore automazione per Kit Integrator

Mini - Piccolo / Ranger

Adaptateur d'automatisation pour kit de Integrator,

version Mini et Piccolo / Ranger

Automatisierung Adapter für Integrator Kits, Mini und

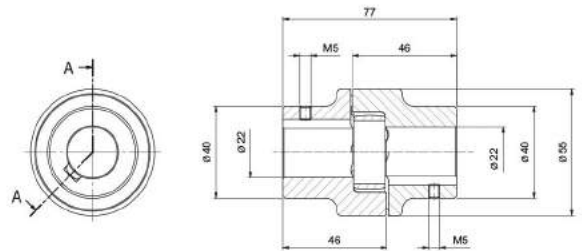
Piccolo Ausführung / Ranger

Adaptador de automatización para kit de integrador,

versión Mini y pequeña / Ranger

Автоматический адаптер для комплектов

Integrator, версии Mini и Piccolo / Ranger



On request we can produce adaptors for any brand of actuator
Su richiesta possiamo produrre adattatori per qualsiasi marca di attuatore

251

Adjustable drive-gate plate with angle-brackets.

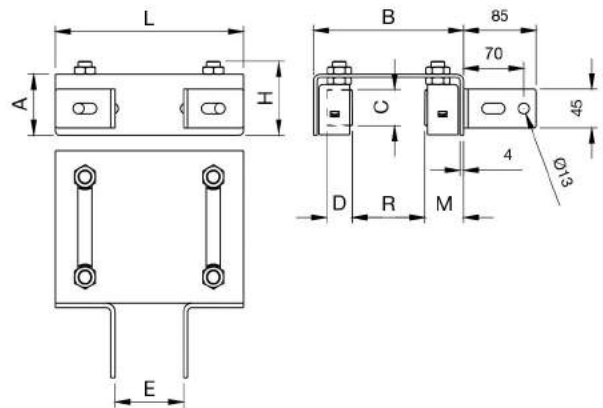
Piastra guida cancello regolabile con staffe angolari

Platine guide-portail réglable avec plaques d'angle

Verstellbarer Torführungsbügel mit Eckhalterungen

Placa de guía de la puerta regulable con estribos de fijación

Пластина регулируемая направляющая ворот с угловыми скобами



| CODE | ART. | Size | A | B | C | D | E | H | L | M | R | Box info | |
|--------------|---------|------|----|-----|----|-----|--------|-----|-----|----|-------|--------------|-------|
| | | | | | | | | | | | | Pcs per pack | Kg |
| 11305805 001 | 251-220 | Ø30 | 70 | 175 | 40 | Ø30 | 80-120 | 85 | 220 | 45 | 0-80 | 4 | 10.80 |
| 11305810 001 | 251-300 | Ø40 | 80 | 230 | 58 | Ø40 | 80-120 | 102 | 300 | 52 | 0-120 | 2 | 7.50 |

Finishing: Galvanized / Zincato

252

Double adjustment plate to be screwed for gates with 2 columns

Piastra doppia regolazione a fissare

per cancelli con doppia colonna

Platine double réglage à visser pour portails avec 2 colonnes

Platte zum Anschrauben mit Doppelverstellung für Tore mit

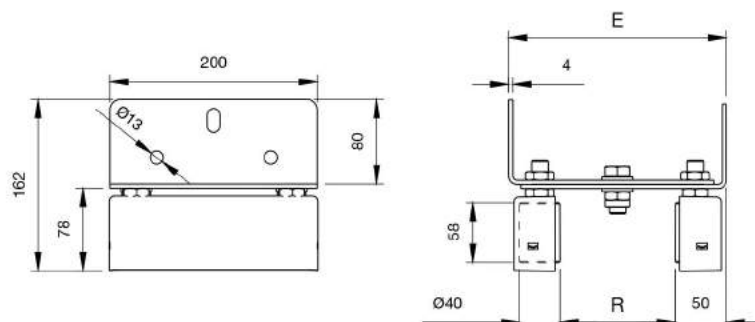
zwei Pfeiler

Placa doble regulación para fijar para puertas

con dos columnas

Прикрепляемая пластина с двойным регулированием

для ворот с двумя стойками



| CODE | ART. | Size | E | R | Box info | |
|--------------|---------|------|---------|-------|--------------|-----|
| | | | | | Pcs per pack | Kg |
| 11306205 001 | 252-200 | Ø 40 | 210-360 | 0-300 | 1 | 4.1 |

Finishing: Galvanized / Zincato

Compatible accessories

RG-387

3/6 m "u" profile for guiding plate RG-254 and RG-253

Profillo ad "U" da 3/6 m per piastre guida cancello RG-254 e RG-252

Profil 3/6 m en forme de "u" pour platine guide TG-254 et TG-253

3/6 m U-Profil für Torführungsbügel RG-254 und RG-252

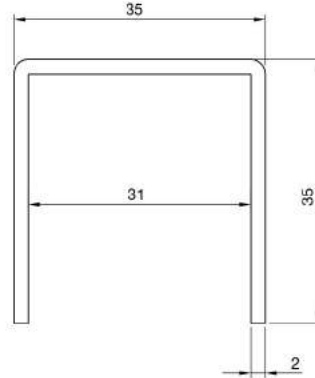
Perfil "U" de 3/6 m para las placas de guía RG-254 y RG-253

Профиль 3/6м "u" для направляющей пластины RG-254 и RG-252



| CODE | ART. | Size | Box info | |
|--------------|----------|------|--------------|-----|
| | | | Pcs per pack | Kg |
| 10210105 001 | RG-387.3 | 3 m | 1 | 4.7 |
| 10210101 001 | RG-387.6 | 6 m | 1 | 9.4 |

Finishing: Galvanized / Zincato



RG-30 P

Rack track 15x15 to be bolted for 97 mm and 117 mm wheels. Track piece length 2 metres

Binario a cremagliera 15x15 a fissare per ruote da 97 mm e 117 mm. Lunghezza 2 m

Rail et crémaillère 15x15 à visser pour galets de Ø 97 et 117 mm. Longueur 2 m

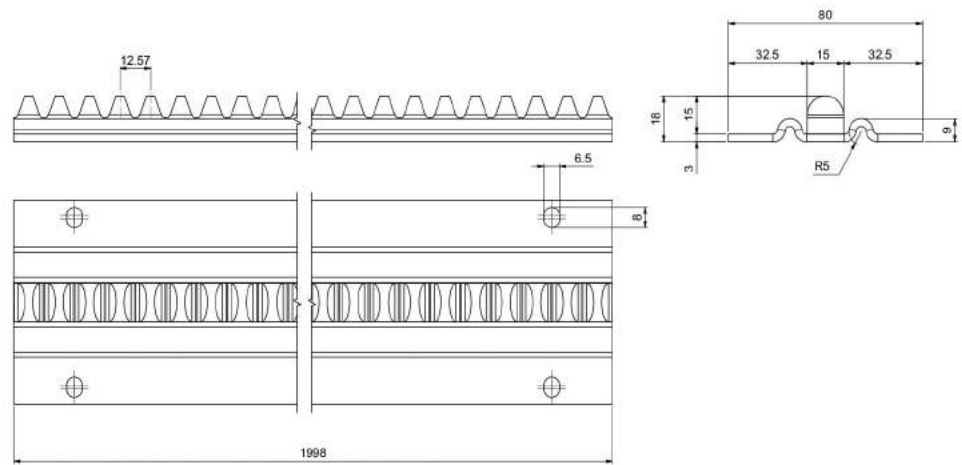
Rackschiene 15x15 zur Befestigung für Rädern von 97 - 117 mm. Länge 2 m

Canil y cremallera 15x15 a fijar por ruedas de Ø 97 y Ø 117 mm. Longitud 2 m

Прикрепляемый зубчатый рельс 15x15 для колес 97 мм и 117 мм. Длина 2м



| CODE | ART. | Finishing | Image | Image | Box info | | | |
|--------------|--------------|----------------------|-------|-------|-----------------------------|----------------------------|---|---|
| | | | | | Pcs per pack | Kg | | |
| 11400539 001 | RG-30 P 2MT | Galvanized / Zincato | | | For 97 mm and 117 mm wheels | Per ruote Ø=97mm e Ø=117mm | 1 | 9 |
| 11400639 | RG-30i P 2MT | S.Steel / Inox | | | For 97 mm and 117 mm wheels | Per ruote Ø=97mm e Ø=117mm | 1 | 9 |



RG-30 G

Rack track 20x20 to be bolted for 148 mm wheels. Track piece length 2 metres

Binario a cremagliera 20x20 a fissare per ruote da 148 mm. Lunghezza 2 m

Rail et crémaillère 20x20 à visser pour galets de Ø 148 mm. Longueur 2 m

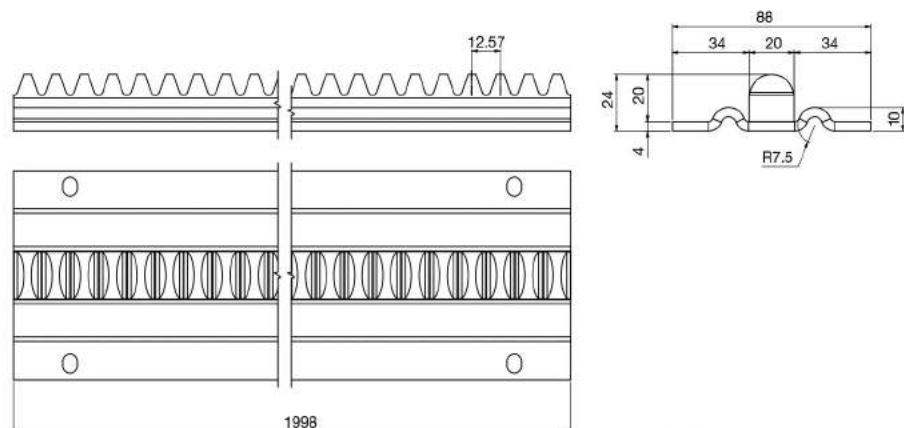
Rackschiene 20x20 zur Befestigung für Rädern von 148 mm. Länge 2 m

Canil y cremallera 20x20 a fijar por ruedas de Ø 148 mm. Longitud 2 m

Прикрепляемый зубчатый рельс 20x20 для колес 148 мм. Длина 2м



| CODE | ART. | Finishing | Image | Image | Box info | | | |
|--------------|--------------|----------------------|-------|-------|-------------------|-------------------|---|------|
| | | | | | Pcs per pack | Kg | | |
| 11400534 001 | RG-30 G 2MT | Galvanized / Zincato | | | For 148 mm wheels | Per ruote Ø=148mm | 1 | 10,8 |
| 11400634 | RG-30i G 2MT | S.Steel / Inox | | | For 148 mm wheels | Per ruote Ø=148mm | 1 | 10,8 |



Ranger Accessories

RG-15

2 Brush kit

Kit 2 spazzolini

Kit de 2 brosses

2 Bürsten Kit

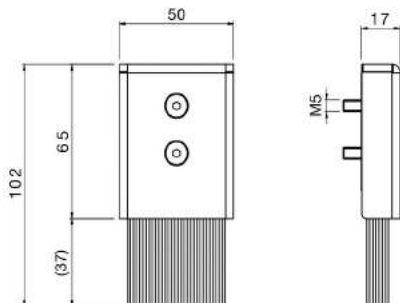
Kit de 2 cepillos

Комплект 2 щетки



| CODE | ART. | Box info | |
|--------------|-------|--------------|-----|
| | | Pcs per pack | Kg |
| 12301600 001 | RG-15 | 1 | 0.8 |

Finishing: Galvanized / Zincato



RG-254

Guiding plate for gate with two 4 rollers

Piastra guida cancello con 4 olive

Platine guide-portail avec 4 rouleaux

Torführungsbügel mit 4 Führungsrolle

Placa de guía de puerta con 4 rodillos

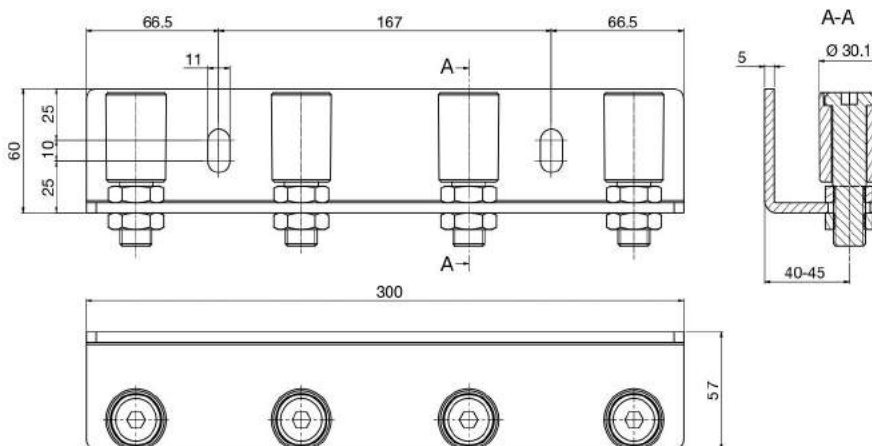
Регулируемая направляющая пластина для ворот с 4 наконечниками

с 4 наконечниками



| CODE | ART. | Box info | |
|--------------|--------|--------------|----|
| | | Pcs per pack | Kg |
| 11306410 001 | RG-254 | 1 | 2 |

Finishing: Galvanized / Zincato



RG-252

Guiding plate for gate with two 2 rollers

Piastra guida cancello con 2 olive

Platine guide-portail avec 2 rouleaux

Torführungsbügel mit 2 Führungsrolle

Placa de guía de puerta con 2 rodillos

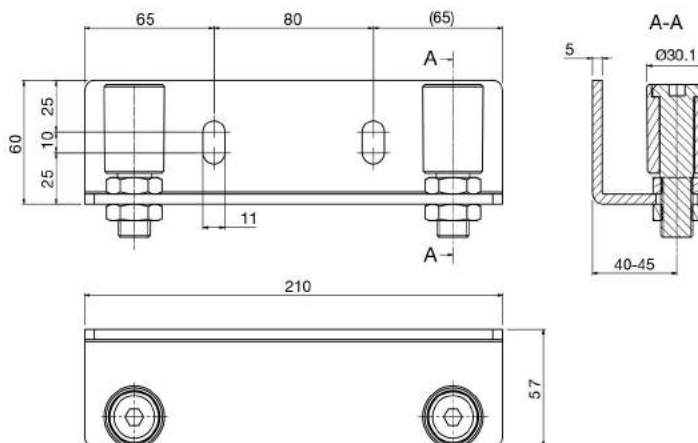
Регулируемая направляющая пластина для ворот с 2 наконечниками

с 2 наконечниками



| CODE | ART. | Box info | |
|--------------|--------|--------------|-----|
| | | Pcs per pack | Kg |
| 11306415 001 | RG-252 | 1 | 1.3 |

Finishing: Galvanized / Zincato



RG-45

Electromechanical limit switch

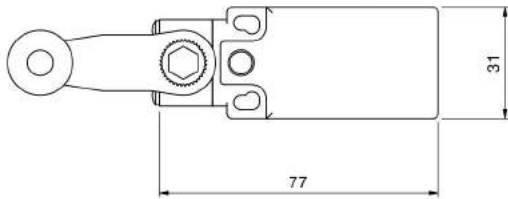
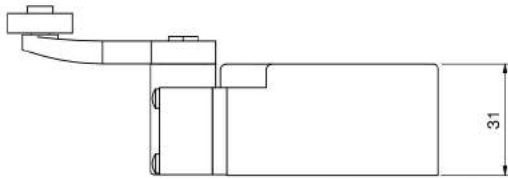
Finecorsa elettromeccanico

Fin de course électromécanique

Elektromechanischer Endschalter

Final de carrera electromecánico

Электромеханический концевой выключатель



Thanks to the CG-45 limit switch it is possible to use all standard limit switch accessories such as brackets.

Grazie al finecorsa RG-45 posizionato sopra il sistema di riduzione è possibile utilizzare le staffe di finecorsa standard fissate alla cremagliera.

| CODE | ART. | Box info | |
|----------|-------|--------------|-----|
| | | Pcs per pack | Kg |
| 11500421 | RG-45 | 1 | 0.1 |



Ranger speed reduction system

Sistema di riduzione della velocità Ranger

RG-40

Speed reduction system for M4 module racks

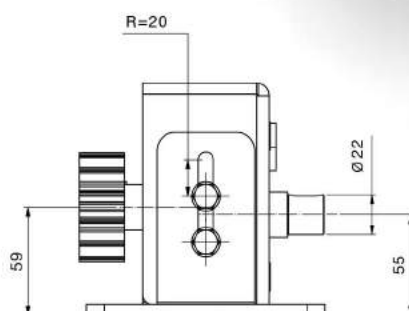
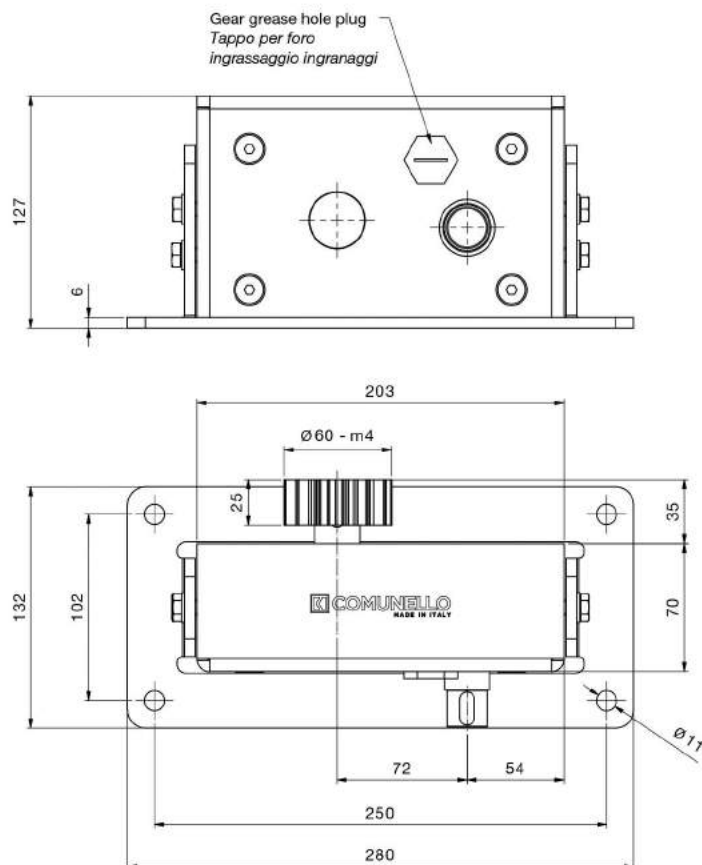
Sistema riduzione velocità per cremagliere M4

Système de réduction de vitesse pour crémaillères avec module M4

Geschwindigkeitsreduzierungs-system für M4-Zahnstangen

Sistema de reducción de velocidad para cremalleras con módulo M4

Система снижения скорости для зубчатых реек M4



Thanks to the RG-40 reduction system it is possible to halve the actuator speed without decreasing the force.

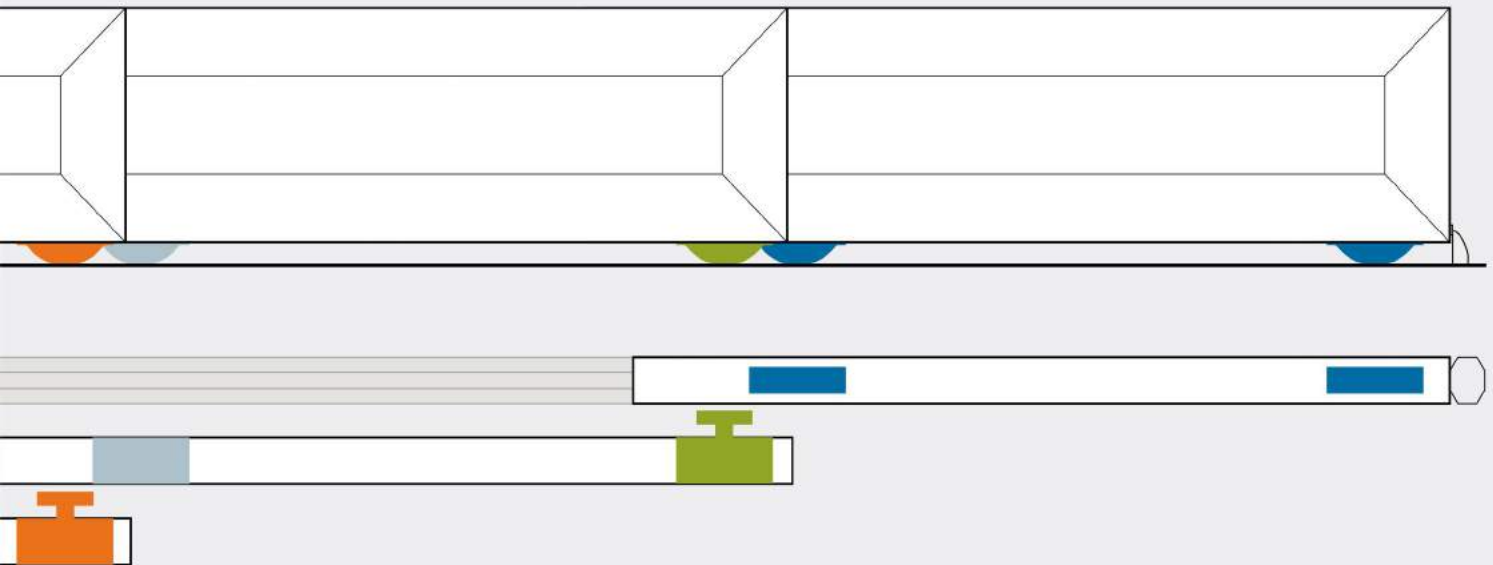
Grazie al sistema di riduzione RG-40 è possibile dimezzare la velocità dell'attuatore senza diminuirne la forza.

| CODE | ART. | Box info | |
|--------------|-------|--------------|-----|
| | | Pcs per pack | Kg |
| 11500420 001 | RG-40 | 1 | 7,5 |

It is possible to reduce the speed of the 2 or 3 leaf ranger telescopic gate using the RG-40 speed reduction system. The system is fitted to the foundation block and engaged directly to the rack on the first leaf. The motor is then fitted, using the CG-58 automation adapter, directly to the speed reduction system drive shaft.

È possibile ridurre la velocità del cancello telescopico a 2 o a 3 ante grazie il sistema di riduzione della velocità RG-40. Il sistema viene fissato al blocco di fondazione e collegato direttamente alla cremagliera sulla prima anta. Il motore viene quindi installato utilizzando l'adattatore CG-58 direttamente sull'albero di trasmissione del sistema di riduzione della velocità.

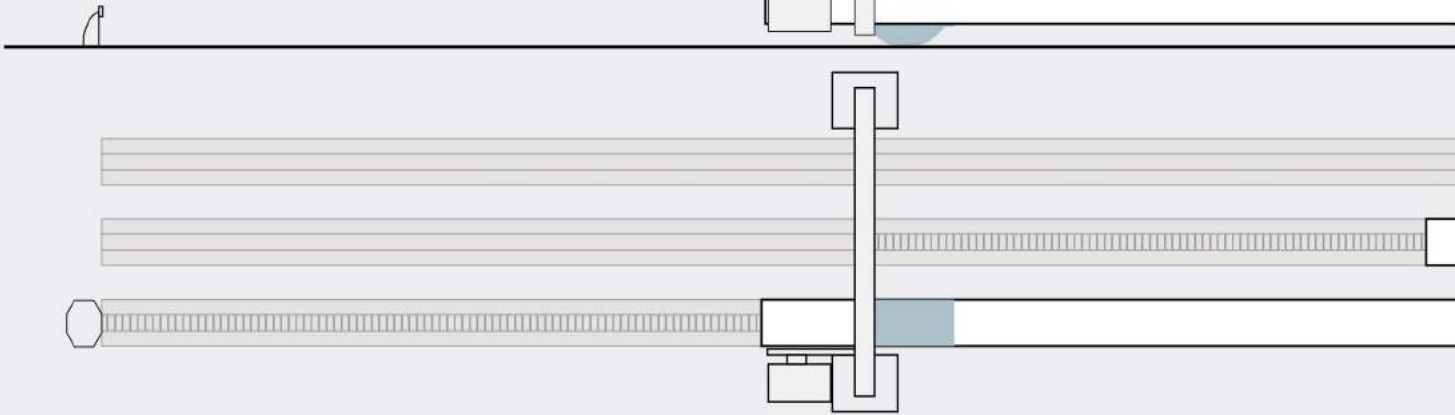
Ranger per cancelli a 3 ante



| Minimum tube height <i>H minima tubolare</i> | Max leaf weight <i>Peso massimo anta</i> kg | KIT ELEMENTS / <i>Composizione kit</i> | | | | Kit per pack | Kg |
|---|---|--|------------------------------------|--|--|--------------|------|
| | | Drive wheel / <i>Ruota motrice</i> | Free wheel / <i>Ruota condotta</i> | Drive wheel with low ratio <i>Ruota motrice con riduzione</i> | Standard wheel with half-rounded groove / <i>Ruota standard gola semitonda</i> | | |
| 80 | 200 | Ø 117 | Ø 117 | Ø 117 | Ø 127 | 1 | 21.8 |
| 80 | 200 | Ø 117 | Ø 117 | Ø 117 | Ø 127 | 1 | 22.5 |
| 80 | 200 | Ø 117 | Ø 117 | Ø 117 | Ø 127 | 1 | 22.8 |
| 120 | 200 | Ø 148 | Ø 148 | Ø 148 | Ø 157 | 1 | 42.6 |
| 120 | 200 | Ø 148 | Ø 148 | Ø 148 | Ø 157 | 1 | 43.2 |

Ranger Wheel Kit for 3 leaf gates / Kit ruote

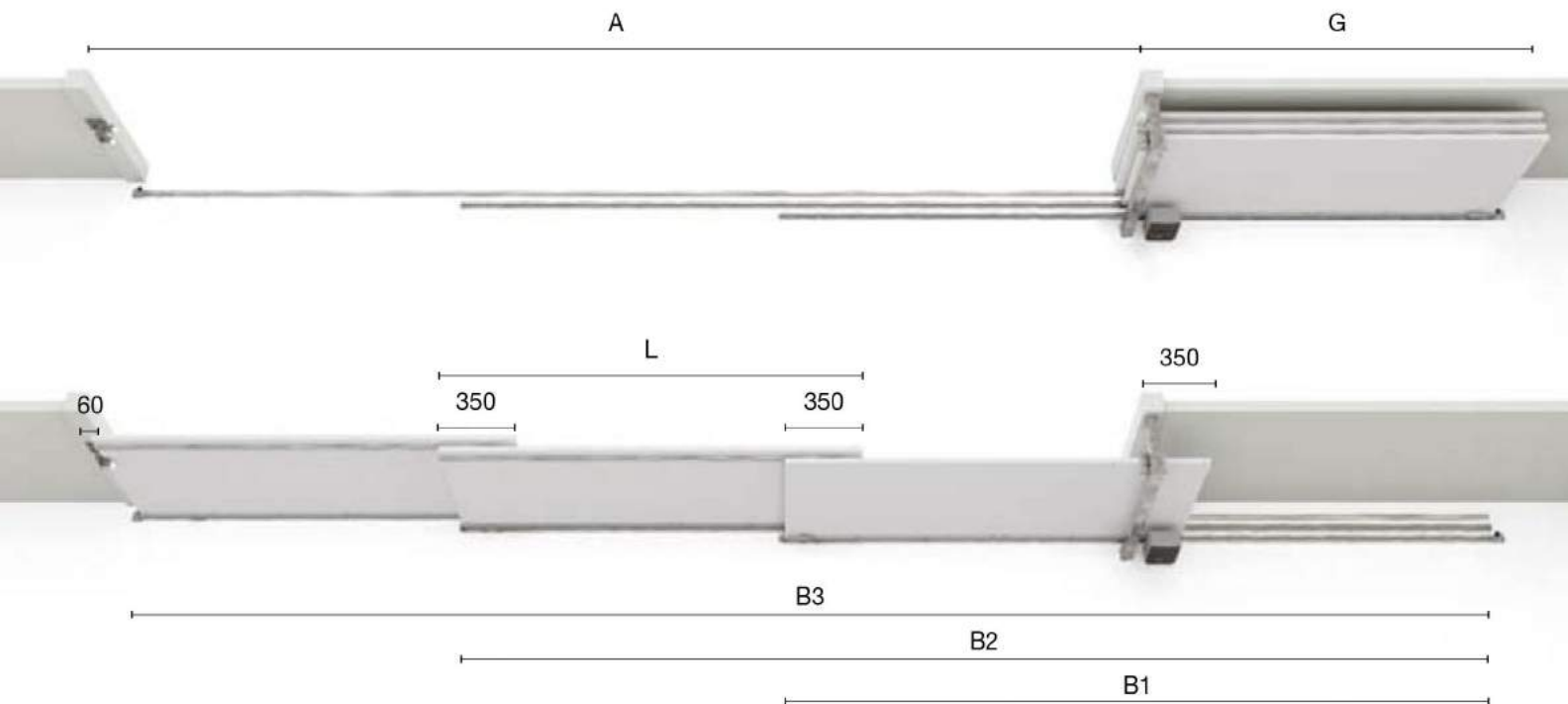
- Drive wheel / *Ruota motrice*
- Free wheel / *Ruota condotta*
- Drive wheel with low ratio / *Ruota motrice con riduzione*
- Third leaf standard free wheel / *Ruota standard 3ª anta*



| CODE CODICE | ART. | DESCRIPTION DESCRIZIONE | Tubular frame width Larghezza tubolare |
|----------------|-------------|--|---|
| 11500450 001 | RG3-120.50 | <p>Kit Ranger for telescopic door with 3 leaves, $\varnothing 120$ mm wheels for 50 mm tubular <i>Kit Ranger per cancello telescopico a tre ante, ruote $\varnothing 120$ mm per tubolare da 50 mm</i> <i>Kit Ranger pour porte télescopique avec 3 vantaux, galets $\varnothing 120$ mm pour tubulaire de 50 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, $\varnothing 120$ mm Rädern für 50 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con 3 hojas, ruedas $\varnothing 120$ mm para tubular de 50 mm</i> <i>Комплект Ranger для телескопических ворот с тремя створками, $\varnothing 120$ мм колеса для трубы 50 мм</i></p> | 50 |
| 11500451 001 | RG3-120.60 | <p>Kit Ranger for telescopic door with 3 leaves, $\varnothing 120$ mm wheels for 60 mm tubular <i>Kit Ranger per cancello telescopico a tre ante, ruote $\varnothing 120$ mm e tubolare da 60 mm</i> <i>Kit Ranger pour porte télescopique avec 3 vantaux, galets $\varnothing 120$ mm pour tubulaire de 60 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, $\varnothing 120$ mm Rädern für 60 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con 3 hojas, ruedas $\varnothing 120$ mm para tubular de 60 mm</i> <i>Комплект Ranger для телескопических ворот с тремя створками, $\varnothing 120$ мм колеса для трубы 60 мм</i></p> | 60 |
| 11500452 001 | RG3-120.80 | <p>Kit Ranger for telescopic door with 3 leaves, $\varnothing 120$ mm wheels for 80 mm tubular <i>Kit Ranger per cancello telescopico a tre ante, ruote $\varnothing 120$ mm e tubolare da 80 mm</i> <i>Kit Ranger pour porte télescopique avec 3 vantaux, galets $\varnothing 120$ mm pour tubulaire de 80 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, $\varnothing 120$ mm Rädern für 80 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con 3 hojas, ruedas $\varnothing 120$ mm para tubular de 80 mm</i> <i>Комплект Ranger для телескопических ворот с тремя створками, $\varnothing 120$ мм колеса для трубы 80 мм</i></p> | 80 |
| 11500413 001 | RG3-140.80 | <p>Kit Ranger for telescopic door with 3 leaves, $\varnothing 140$ mm wheels for 80 mm tubular <i>Kit Ranger per cancello telescopico a tre ante, ruote $\varnothing 140$ mm per tubolare da 80 mm</i> <i>Kit Ranger pour porte télescopique avec 3 vantaux, galets $\varnothing 140$ mm pour tubulaire de 80 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, $\varnothing 140$ mm Rädern für 80 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con 3 hojas, ruedas $\varnothing 140$ mm para tubular de 80 mm</i> <i>Комплект Ranger для телескопических ворот с тремя створками, $\varnothing 140$ мм колеса для трубы 80 мм</i></p> | 80 |
| 11500414 001 | RG3-140.100 | <p>Kit Ranger for telescopic door with 3 leaves, $\varnothing 140$ mm wheels for 100 mm tubular <i>Kit Ranger per cancello telescopico a tre ante, ruote $\varnothing 140$ mm per tubolare da 100 mm</i> <i>Kit Ranger pour porte télescopique avec 3 vantaux, galets $\varnothing 140$ mm pour tubulaire de 100 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 3 Flügeln, $\varnothing 140$ mm Rädern für 100 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con 3 hojas, ruedas $\varnothing 140$ mm para tubular de 100 mm</i> <i>Комплект Ranger для телескопических ворот с тремя створками, $\varnothing 140$ мм колеса для трубы 100 мм</i></p> | 100 |

Ranger configurator for 3 leaf gates

Configuratore Ranger per cancelli a 3 ante



| Opening A (m) Apertura A (m) | N° Leaves N° Ante | Leaf length Lunghezza anta L (m) | Minimum space available Spazio minimo disponibile G (m) | Track length 1 RG-30 Lunghezza binario 1 RG-30 B1 (m) | Track length 2 RG-30 Lunghezza binario 2 RG-30 B2 (m) | Track length 3 289 Lunghezza binario 3 289 |
|---------------------------------|----------------------|--|---|---|---|---|
| 2 | 3 | 1.04 | 1.24 | 1.72 | 2.41 | 3.10 |
| 2,5 | 3 | 1.20 | 1.40 | 2.06 | 2.91 | 3.76 |
| 3 | 3 | 1.37 | 1.57 | 2.39 | 3.41 | 4.43 |
| 3,5 | 3 | 1.54 | 1.74 | 2.72 | 3.91 | 5.10 |
| 4 | 3 | 1.70 | 1.90 | 3.06 | 4.41 | 5.76 |
| 4,5 | 3 | 1.87 | 2.07 | 3.39 | 4.91 | 6.43 |
| 5 | 3 | 2.04 | 2.24 | 3.72 | 5.41 | 7.10 |
| 5,5 | 3 | 2.20 | 2.40 | 4.06 | 5.91 | 7.76 |
| 6 | 3 | 2.37 | 2.57 | 4.39 | 6.41 | 8.43 |
| 6,5 | 3 | 2.54 | 2.74 | 4.72 | 6.91 | 9.10 |
| 7 | 3 | 2.70 | 2.90 | 5.06 | 7.41 | 9.76 |
| 7,5 | 3 | 2.87 | 3.07 | 5.39 | 7.91 | 10.43 |
| 8 | 3 | 3.04 | 3.24 | 5.72 | 8.41 | 11.10 |
| 8,5 | 3 | 3.20 | 3.40 | 6.06 | 8.91 | 11.76 |
| 9 | 3 | 3.37 | 3.57 | 6.39 | 9.41 | 12.43 |
| 9,5 | 3 | 3.54 | 3.74 | 6.72 | 9.91 | 13.10 |
| 10 | 3 | 3.70 | 3.90 | 7.06 | 10.41 | 13.76 |
| 10,5 | 3 | 3.87 | 4.07 | 7.39 | 10.91 | 14.43 |
| 11 | 3 | 4.04 | 4.24 | 7.72 | 11.41 | 15.10 |
| 11,5 | 3 | 4.20 | 4.40 | 8.06 | 11.91 | 15.76 |
| 12 | 3 | 4.37 | 4.57 | 8.39 | 12.41 | 16.43 |

$$L (m) = (A + 0.06) \div 3 + 0.35$$

$$G \text{ min (m)} = L + 0.2$$

$$B1 (m) = L \times 2 - 0.35$$

$$B2 (m) = L \times 3 - 0.7$$

$$B3 (m) = L \times 4 - 0.99$$

Ranger system components for **3 leaf** gates

Componenti del sistema Ranger per cancelli a **3 ante**

Drive wheel
Ruota motrice



Free wheel
Ruota condotta



Drive wheel with low ratio
Ruota motrice con riduzione

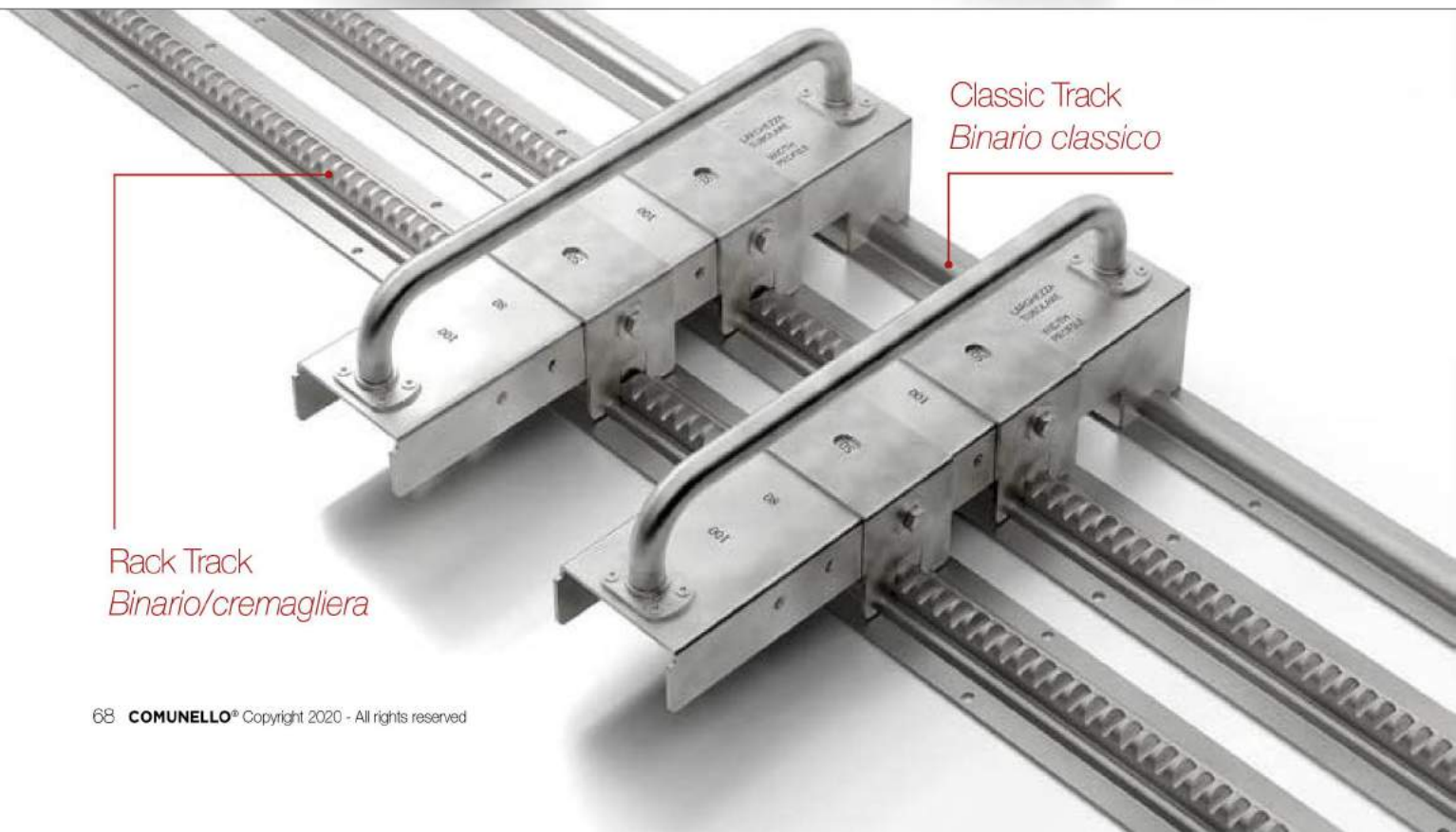


Standard wheel with half-rounded groove
Ruota standard gola semitonda

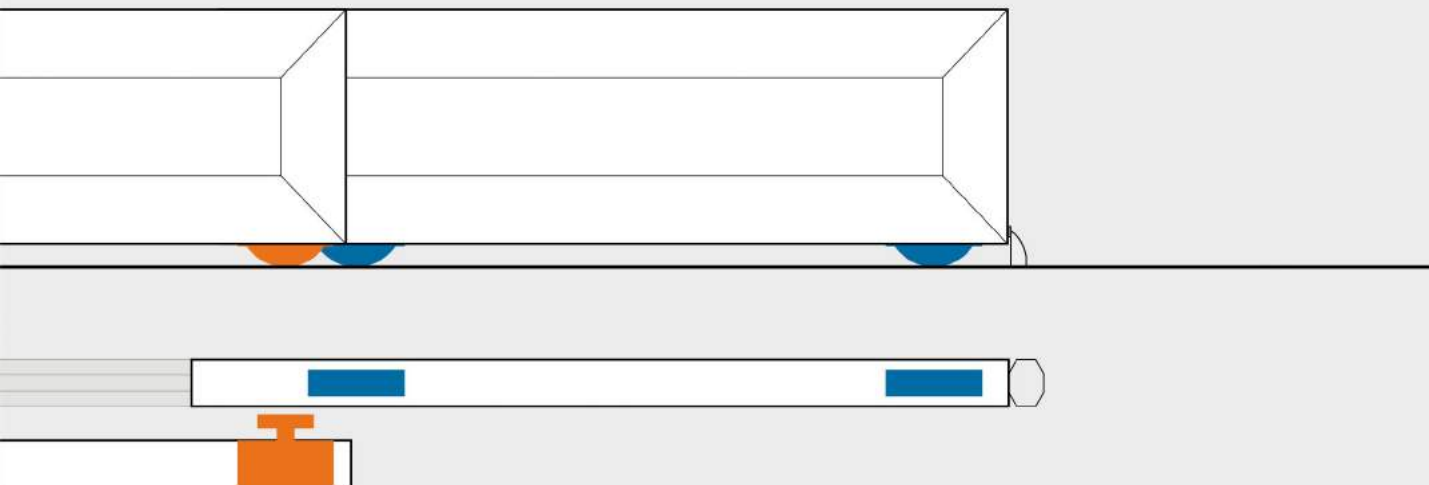


Rack Track
Binario/cremagliera

Classic Track
Binario classico



Ranger per cancelli a 2 ante

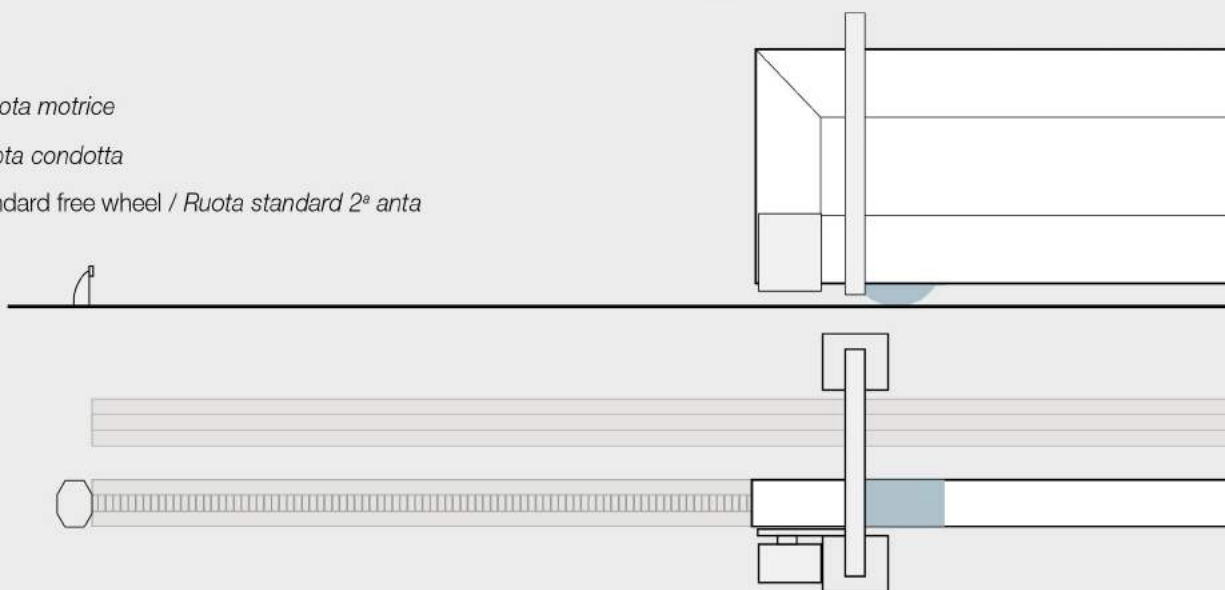


| Minimum tube height <i>H minima tubolare</i> mm | Max leaf weight <i>Peso massimo anta</i> kg | KIT ELEMENTS / <i>Composizione kit</i> | | | Kit per pack | Kg |
|---|--|--|------------------------------------|--|--------------|------|
| | | Drive wheel / <i>Ruota motrice</i> | Free wheel / <i>Ruota condotta</i> | Standard wheel with half-rounded groove / <i>Ruota standard gola semitonda</i> | | |
| 80 | 250 | Ø 97 | Ø 97 | Ø 107 | 1 | 10.3 |
| 80 | 250 | Ø 97 | Ø 97 | Ø 107 | 1 | 10.4 |
| 80 | 250 | Ø 97 | Ø 97 | Ø 107 | 1 | 10.7 |
| 100 | 400 | Ø 117 | Ø 117 | Ø 127 | 1 | 14.2 |
| 100 | 400 | Ø 117 | Ø 117 | Ø 127 | 1 | 14.2 |
| 100 | 400 | Ø 117 | Ø 117 | Ø 127 | 1 | 14.4 |
| 120 | 400 | Ø 148 | Ø 148 | Ø 157 | 1 | 26.4 |
| 120 | 400 | Ø 148 | Ø 148 | Ø 157 | 1 | 26.7 |

RANGER

Ranger Wheel Kit for 2 leaf gates / Kit ruote

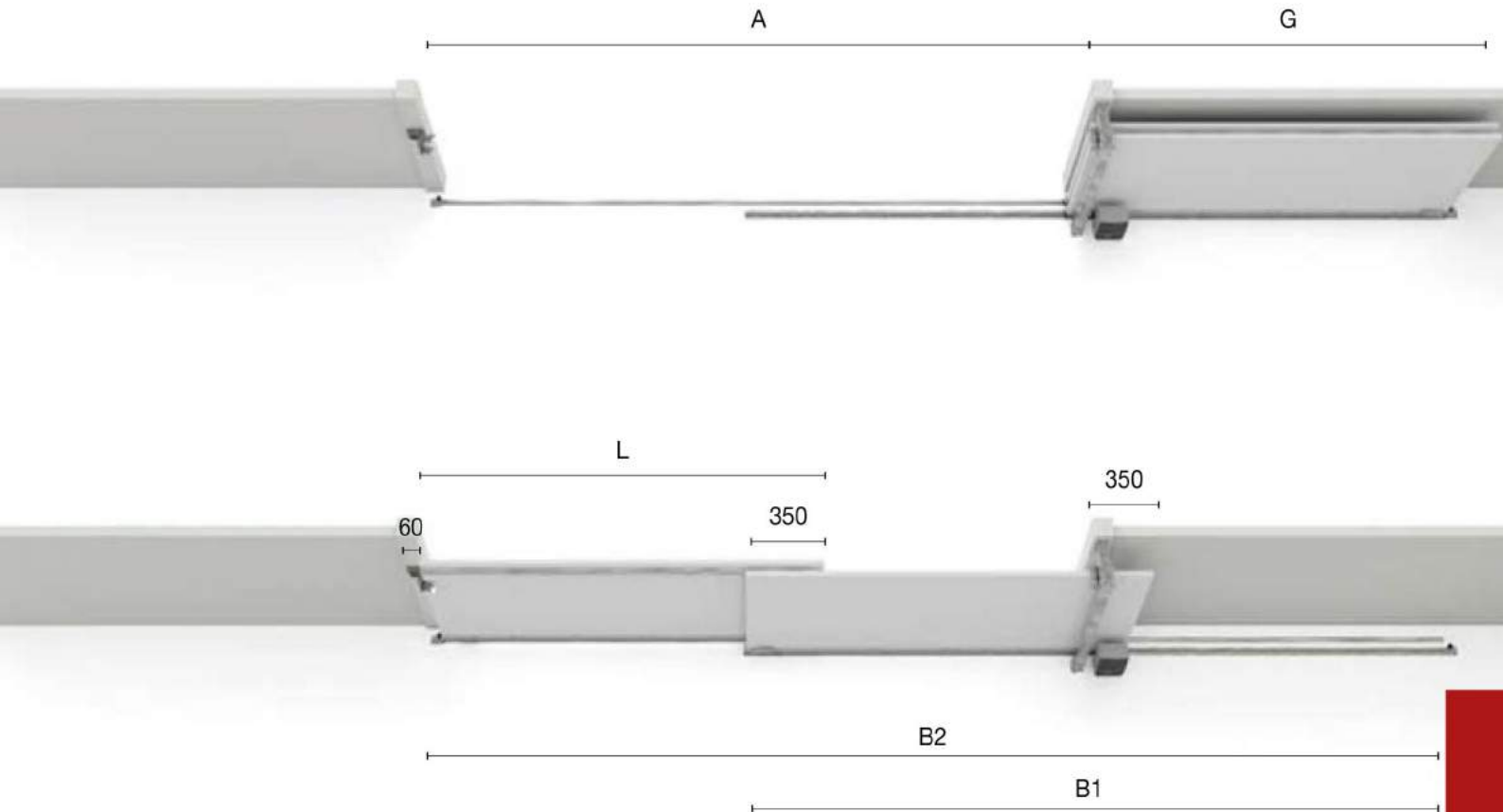
- Drive wheel / *Ruota motrice*
- Free wheel / *Ruota condotta*
- Second leaf standard free wheel / *Ruota standard 2ª anta*



| CODE CODICE | ART. | DESCRIPTION DESCRIZIONE | Tubular frame width Larghezza tubolare mm |
|----------------|-------------|---|---|
| 11500440 001 | RG2-100.50 | Kit Ranger for telescopic door with 2 leaves, ø100 mm wheels for 50 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 100 mm per tubolare da 50 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 100 mm pour tubulaire de 50 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø100 mm Rädern für 50 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas de ø 100 mm para tubular de 50 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø100 мм колеса для трубы 50 мм</i> | 50 |
| 11500442 001 | RG2-100.60 | Kit Ranger for telescopic door with 2 leaves, ø100 mm wheels for 60 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 100 mm per tubolare da 60 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 100 mm pour tubulaire de 60 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø100 mm Rädern für 60 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas de ø 100 mm para tubular de 60 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø100 мм колеса для трубы 60 мм</i> | 60 |
| 11500444 001 | RG2-100.80 | Kit Ranger for telescopic door with 2 leaves, ø100 mm wheels for 80 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 100 mm per tubolare da 80 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 100 mm pour tubulaire de 80 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø100 mm Rädern für 80 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas de ø 100 mm para tubular de 80 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø100 мм колеса для трубы 80 мм</i> | 80 |
| 11500441 001 | RG2-120.50 | Kit Ranger for telescopic door with 2 leaves, ø120 mm wheels for 50 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 120 mm per tubolare da 50 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 120 mm pour tubulaire de 50 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø120 mm Rädern für 50 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas de ø 120 mm para tubular de 50 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø120 мм колеса для трубы 50 мм</i> | 50 |
| 11500443 001 | RG2-120.60 | Kit Ranger for telescopic door with 2 leaves, ø120 mm wheels for 60 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 120 per tubolare da 60 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 120 mm pour tubulaire de 60 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø120 mm Rädern für 60 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas ø 120 mm para tubular de 60 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø120 мм колеса для трубы 60 мм</i> | 60 |
| 11500445 001 | RG2-120.80 | Kit Ranger for telescopic door with 2 leaves, ø120 mm wheels for 80 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 120 mm e tubolare da 80 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 120 mm pour tubulaire de 80 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø120 mm Rädern für 80 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas ø 120 mm para tubular de 80 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø120 мм колеса для трубы 80 мм</i> | 80 |
| 11500406 001 | RG2-140.80 | Kit Ranger for telescopic door with 2 leaves, ø140 mm wheels for 80 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 140 mm e tubolare da 80 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 140 mm pour tubulaire de 80 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø140 mm Rädern für 80 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas ø 140 mm para tubular de 80 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø140 мм колеса для трубы 80 мм</i> | 80 |
| 11500408 001 | RG2-140.100 | Kit Ranger for telescopic door with 2 leaves, ø140 mm wheels for 100 mm tubular <i>Kit Ranger per cancello telescopico a due ante, ruote ø 140 mm per tubolare da 100 mm</i> <i>Kit Ranger pour porte télescopique avec deux vantaux, galets ø 140 mm pour tubulaire de 100 mm</i> <i>Kit Ranger für teleskopisches Schiebetores mit 2 Flügeln, ø140 mm Rädern für 100 mm Schlauchreifen</i> <i>Kit Ranger para puerta telescópica con dos hojas, ruedas ø 140 mm para tubular de 100 mm</i> <i>Комплект Ranger для телескопических ворот с двумя створками, ø140 мм колеса для трубы 100 мм</i> | 100 |

Ranger configurator for 2 leaf gates

Configuratore Ranger per cancelli a 2 ante



| Opening A (m) Apertura A (m) | N° Leaves N° ante | Leaf length Lunghezza anta L (m) | Minimum space available Spazio minimo disponibile G (m) | Track length 1 RG-30 Lunghezza binario 1 RG-30 B1 (m) | Track length 2 289 Lunghezza binario 2 289 B2 (m) |
|---------------------------------|----------------------|--|---|---|---|
| 2 | 2 | 1.38 | 1.58 | 2.41 | 3.44 |
| 2,5 | 2 | 1.63 | 1.83 | 2.91 | 4.19 |
| 3 | 2 | 1.88 | 2.08 | 3.41 | 4.94 |
| 3,5 | 2 | 2.13 | 2.33 | 3.91 | 5.69 |
| 4 | 2 | 2.38 | 2.58 | 4.41 | 6.44 |
| 4,5 | 2 | 2.63 | 2.83 | 4.91 | 7.19 |
| 5 | 2 | 2.88 | 3.08 | 5.41 | 7.94 |
| 5,5 | 2 | 3.13 | 3.33 | 5.91 | 8.69 |
| 6 | 2 | 3.38 | 3.58 | 6.41 | 9.44 |
| 6,5 | 2 | 3.63 | 3.83 | 6.91 | 10.19 |
| 7 | 2 | 3.88 | 4.08 | 7.41 | 10.94 |
| 7,5 | 2 | 4.13 | 4.33 | 7.91 | 11.69 |
| 8 | 2 | 4.38 | 4.58 | 8.41 | 12.44 |

$$L (m) = (A + 0.06) \div 2 + 0.35$$

$$G \text{ min (m)} = L + 0.2$$

$$B1 (m) = L \times 2 - 0.35$$

$$B2 (m) = L \times 3 - 0.7$$

Ranger system components for **2 leaf** gates

Componenti del sistema Ranger per cancelli a 2 ante

Drive wheel
Ruota motrice



Free wheel
Ruota condotta

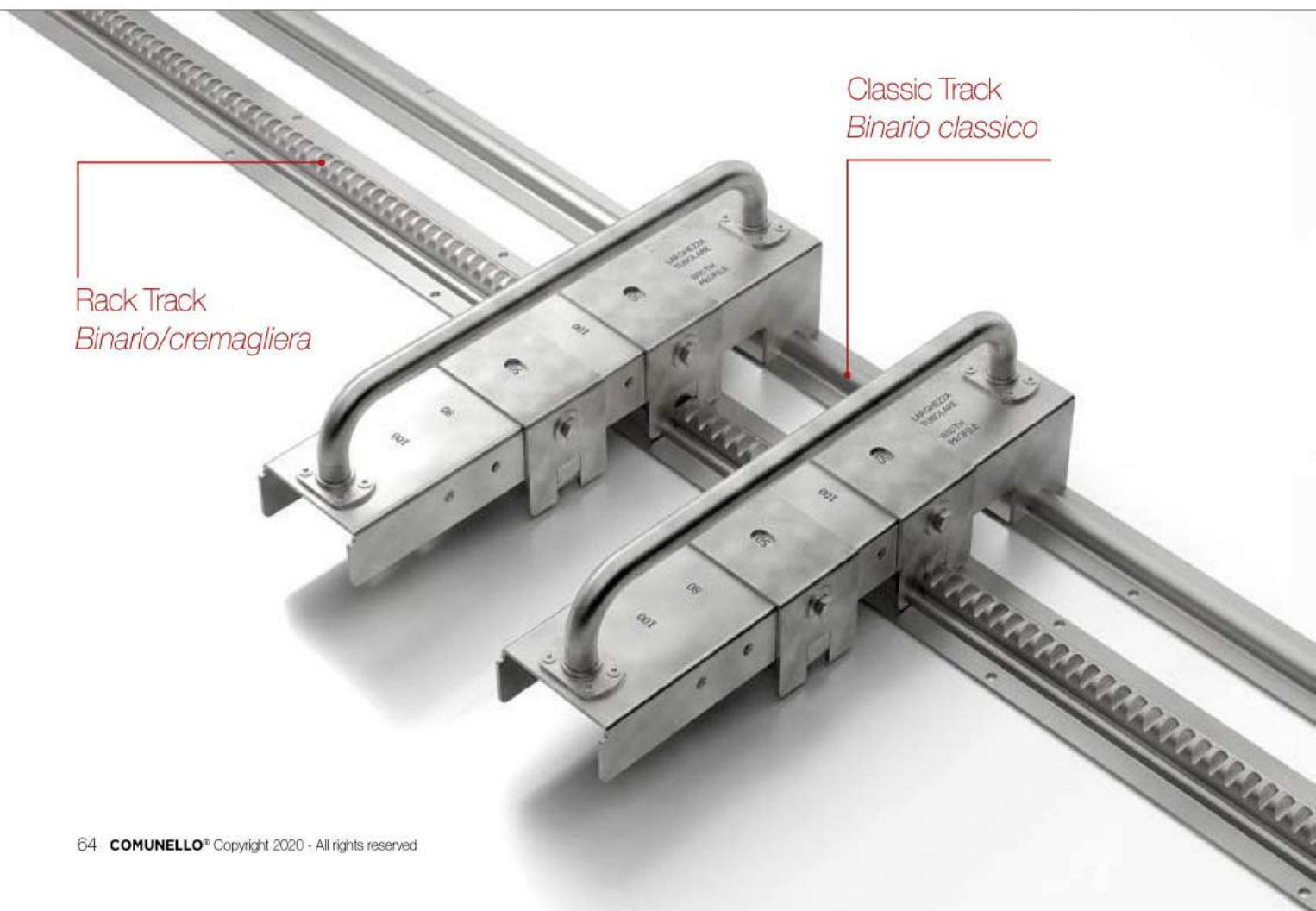


Standard wheel with
half-rounded groove
Ruota standard gola semitonda



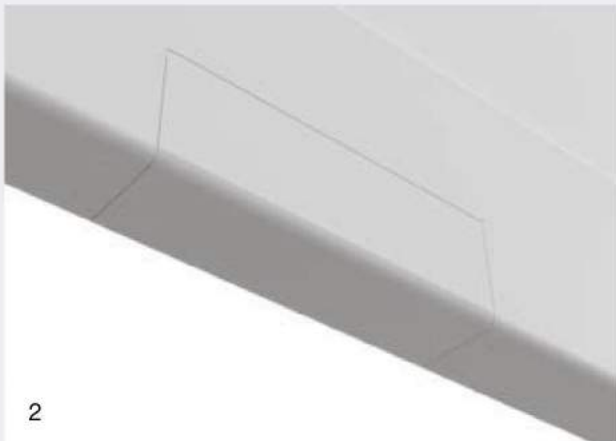
Rack Track
Binario/cremagliera

Classic Track
Binario classico

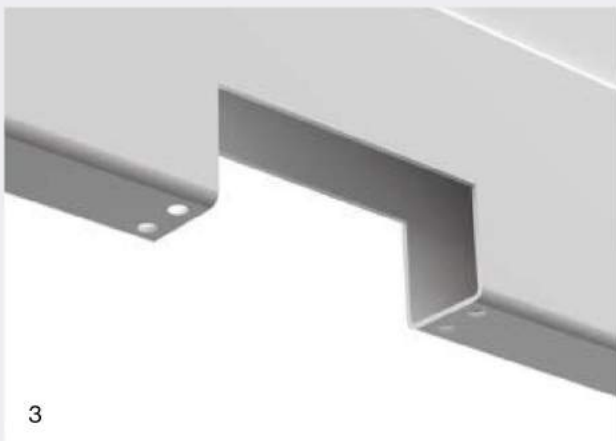




Using the template mark the area to cut and drill
Utilizzare la ditta per segnare le parti da tagliare ed i punti da forare



The tubular section is marked
Il tubolare è segnato



Cut and drill the tubular section
Tagliare e forare il tubolare



Fix the drive wheel
Fissare la ruota motrice

2 template kit for wheel unit fixing

Kit 2 dime per fissaggio ruote

RG-20

Template kit for wheels fixation

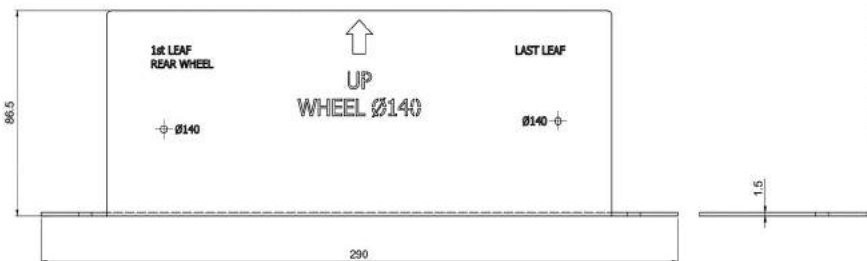
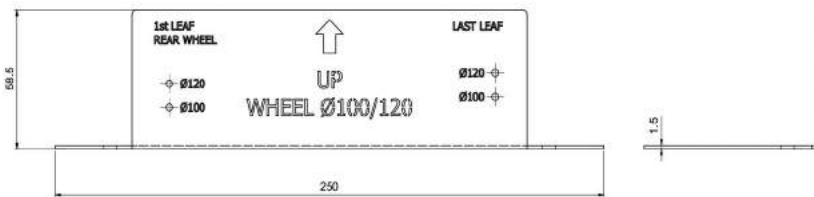
Kit dime per fissaggio ruote

Kit de gabarit pour la fixation des galets

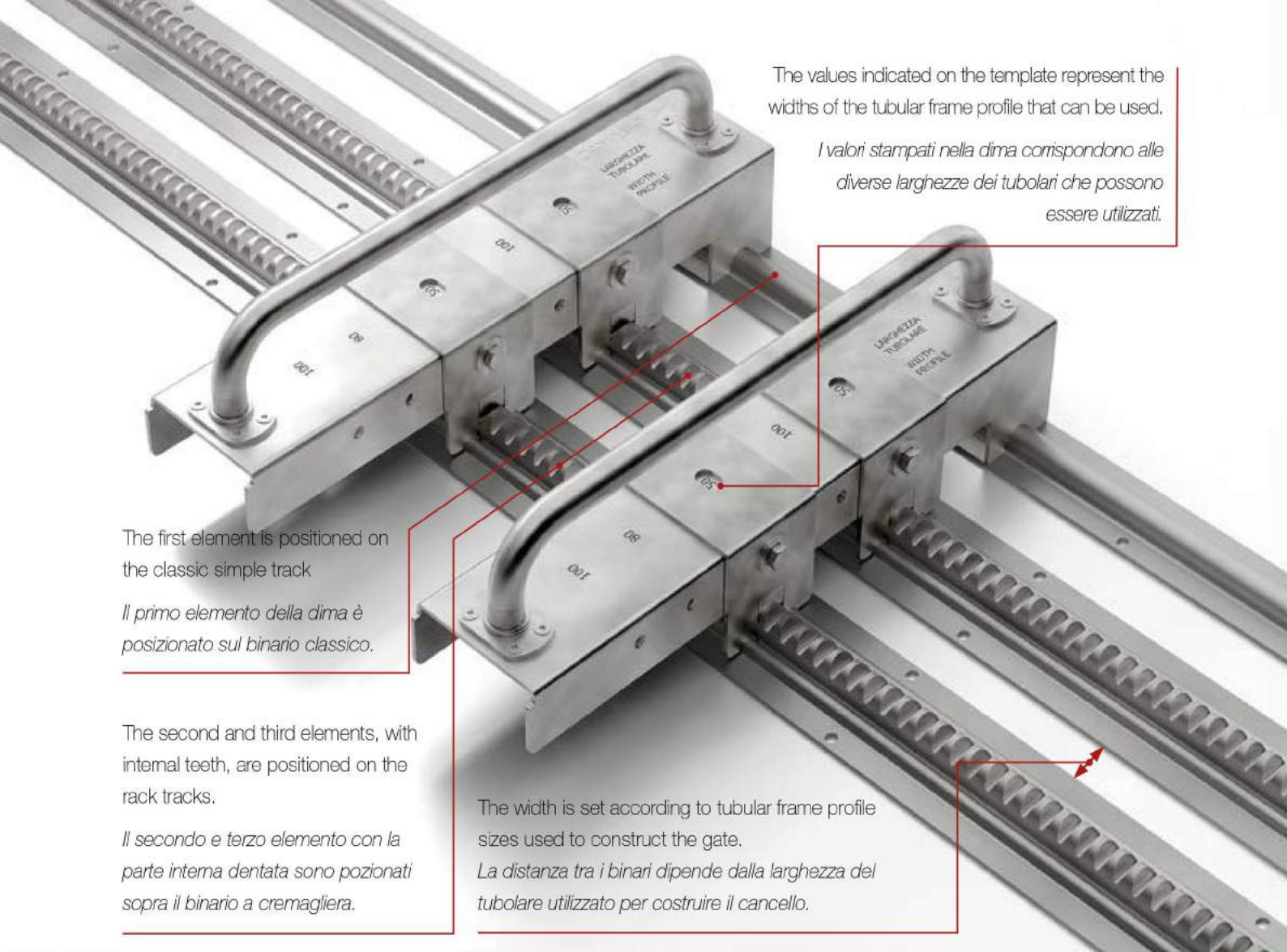
Fädern Befestigung Schablone Kit

Kit de plantilla para fijación de ruedas

Комплект шаблонов выравнивания для колес



| CODE | ART. | Box info | |
|--------------|-------|--------------|-----|
| | | Pcs per pack | Kg |
| 10131102 001 | RG-20 | 1 | 0.9 |



The values indicated on the template represent the widths of the tubular frame profile that can be used.

I valori stampati nella dima corrispondono alle diverse larghezze dei tubolari che possono essere utilizzati.

The first element is positioned on the classic simple track

Il primo elemento della dima è posizionato sul binario classico.

The second and third elements, with internal teeth, are positioned on the rack tracks.

Il secondo e terzo elemento con la parte interna dentata sono posizionati sopra il binario a cremagliera.

The width is set according to tubular frame profile sizes used to construct the gate.

La distanza tra i binari dipende dalla larghezza del tubolare utilizzato per costruire il cancello.



RANGER

The Rack Track installation templates are used to ensure a precise and parallel alignment of the tracks and rack tracks, and can be width regulated depending on the thickness of the tubular profile used in the construction of the gate.

Le dime per il posizionamento dei binari vengono utilizzate per assicurare il parallelismo tra di loro. Possono essere regolate in base alle dimensioni dei tubolari utilizzati per costruire il cancello.

When two pieces of rack track are to be joined, the precise position for the teeth can be achieved using the toothed element of the template guide which should be positioned on the joint where the two pieces of track meet.

Quando è necessario collegare due pezzi di binario a cremagliera la posizione corretta dei denti viene assicurata dall'elemento dentato interno alla dima che viene posizionata nella giunzione tra i due pezzi.

2 template guide kit for Rack Track installation

Kit 2 dime per l'installazione del binario a cremagliera

RG-10

Template kit for alignment and placement of Ranger system tracks

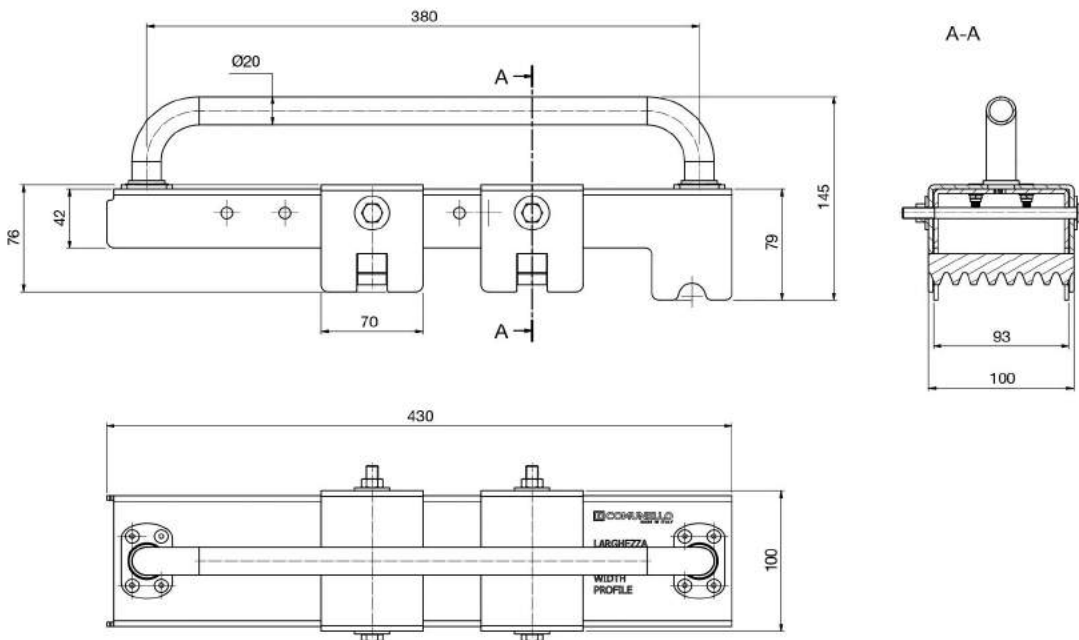
Kit dime per allineamento e posizionamento binari Ranger

Kit de gabarit pour l'alignement et le placement de rails du système Ranger

Schablone Kit für die Einreihung und die Positionierung der Ranger System BodenLaufschiene

Kit de plantilla para alineación y colocación de rieles del sistema Ranger

Комплект шаблонов выравнивания и размещения рельсов для системы Ranger

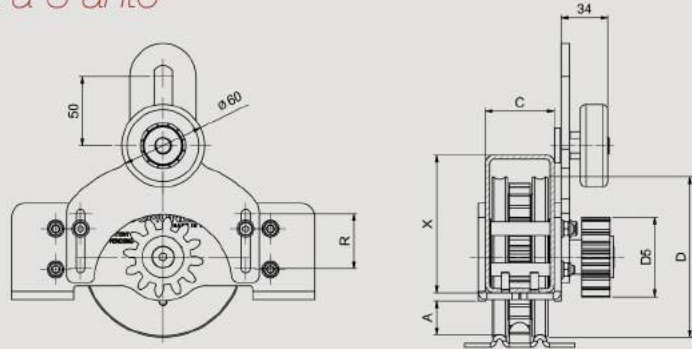
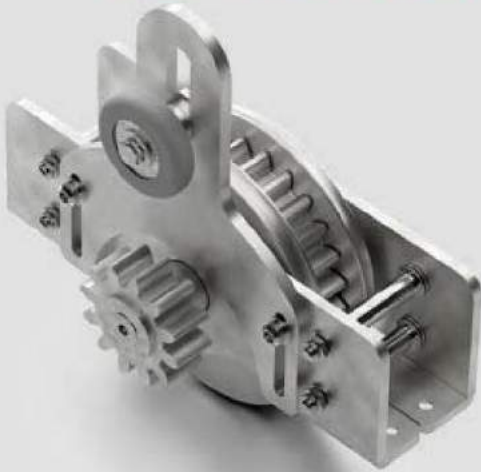


| CODE | ART. | Box info | |
|--------------|---------|--------------|-----|
| | | Pcs per pack | Kg |
| 10131110 001 | RG 10 P | 1 | 6.4 |
| 10131101 001 | RG 10 G | 1 | 6.4 |

This alignment guide tools ensure a rapid and precise installation of the rack tracks that make up the 2 or 3 leaf telescopic system. The simple track is the first to be installed, from this reference the rack tracks are positioned in perfect parallel alignment using two guide templates at a distance dictated by the tubular frame section of the gate. Thanks to the guide template the parallelism of the tracks is maintained and when two pieces of rack track are to be joined they will ensure the synchronization of the teeth.

Le dime di allineamento assicurano una rapida e precisa installazione dei binari che costituiscono il sistema telescopico a 2 o 3 ante. Una volta posizionato il primo binario standard è possibile regolare la distanza degli altri binari a cremagliera in funzione della larghezza del tubolare utilizzato. Grazie alle dime viene sempre garantito il parallelismo tra i binari e, nel caso in cui i binari a cremagliera siano costituiti da più pezzi, viene mantenuto lo stesso passo tra i denti anche nei punti di giunzione.

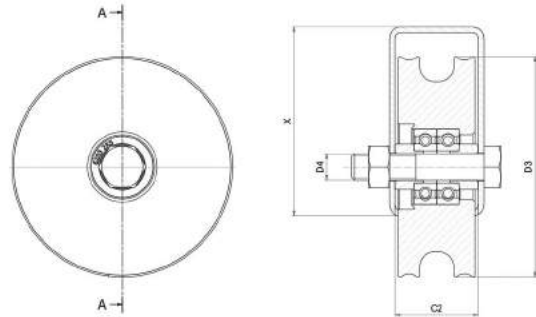
Drive wheel with low ratio secondary pinion for 3 leaf systems
Ruota motrice ridotta per sistema a 3 ante



- D** = Wheel diameter / *Diametro ruota*
- C** = Internal width (wheel unit)
Larghezza interna (del supporto ruota)
- D5** = Pinion diameter / *Diametro pignone*
- X** = Minimum tube height / *Altezza minima tubolare*

| D | C | X min | D5 | A | R |
|-----|-----|-------|----|----|----|
| 117 | 50 | 100 | 58 | 25 | 40 |
| 117 | 60 | 100 | 58 | 25 | 40 |
| 117 | 80 | 100 | 58 | 25 | 40 |
| 148 | 80 | 120 | 68 | 22 | 60 |
| 148 | 100 | 120 | 68 | 22 | 60 |

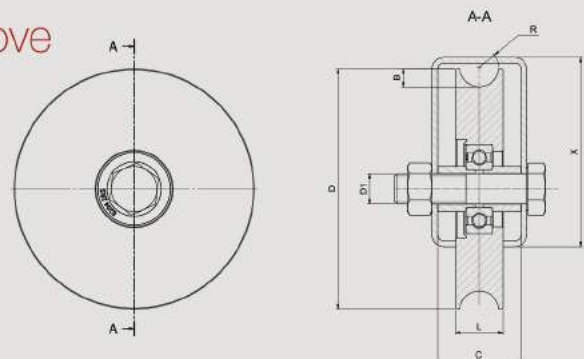
Free wheel
Ruota condotta



- D3** = Wheel diameter / *Diametro ruota*
- C2** = Internal tube width
Larghezza interna (del tubolare)
- D4** = Pin diameter / *Diametro perno*
- X** = Minimum tube height / *Altezza minima tubolare*

| D3 | C2 | X min | D4 |
|-----|----|-------|-----|
| 97 | 44 | 80 | M14 |
| 97 | 54 | 80 | M14 |
| 97 | 74 | 80 | M14 |
| 117 | 44 | 100 | M14 |
| 117 | 54 | 100 | M14 |
| 117 | 74 | 100 | M14 |
| 148 | 74 | 120 | M16 |
| 148 | 94 | 120 | M16 |

Standard wheel with half-rounded groove
Ruota standard gola semitonda



- D** = Wheel diameter / *Diametro ruota*
- L** = Wheel width / *Larghezza ruota*
- R** = Groove radius / *Raggio gola*
- C** = Internal tube width
Larghezza interna (del tubolare)
- B** = Groove depth / *Profondità gola*
- X** = Minimum tube height / *Altezza minima tubolare*

| D | L | R | C | B | D1 | X min | N. BEARING N. CUSCINETTI |
|-----|----|------|----|------|----|-------|-----------------------------|
| 107 | 25 | 10.3 | 44 | 9.5 | 14 | 80 | 1 |
| 107 | 25 | 10.3 | 54 | 9.5 | 14 | 80 | 1 |
| 107 | 25 | 10.3 | 74 | 9.5 | 14 | 80 | 1 |
| 127 | 25 | 10.3 | 44 | 9.5 | 16 | 100 | 1 |
| 127 | 25 | 10.3 | 54 | 9.5 | 16 | 100 | 1 |
| 127 | 25 | 10.3 | 74 | 9.5 | 16 | 100 | 1 |
| 157 | 33 | 11.5 | 74 | 11.5 | 16 | 120 | 2 |
| 157 | 33 | 11.5 | 94 | 11.5 | 16 | 120 | 2 |

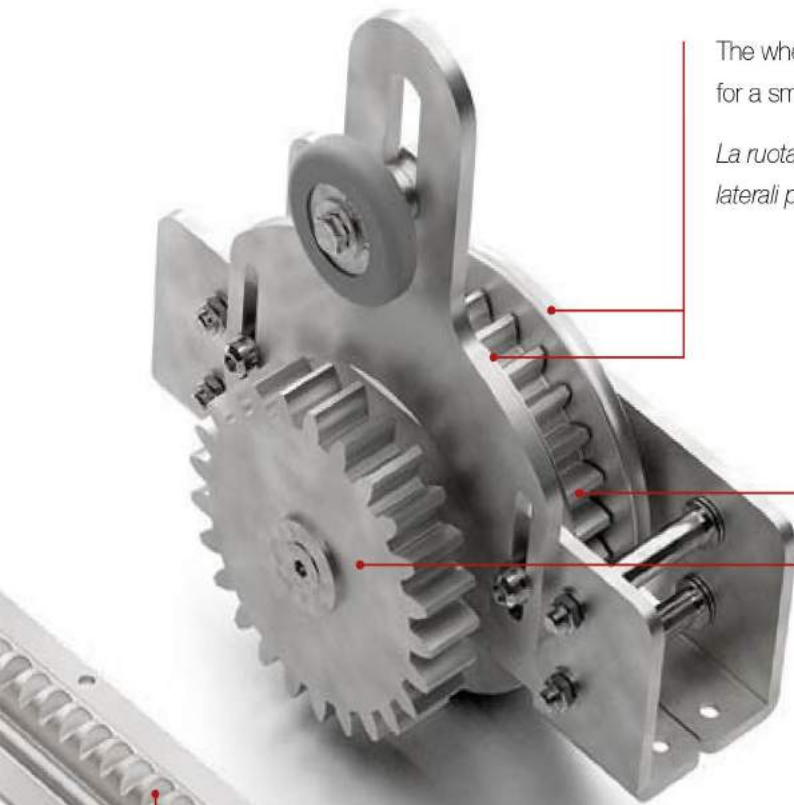
RANGER

Ranger Components

Componenti del sistema Ranger

For perfect power transmission for a two leaf or three leaf telescopic system.

Per un movimento perfetto del sistema telescopico a due o tre ante.



The wheel sits on two external profiles of the track for a smoother movement.

La ruota si appoggia sul binario con i 2 profili laterali per ottenere una migliore scorrevolezza.

Wheel unit made up of principle pinion drive wheel that, rolling on the rack track, generates the rotation of the external secondary pinion.

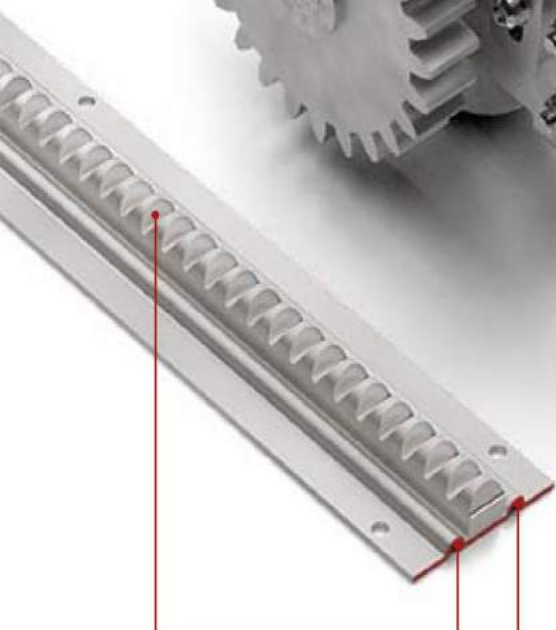
La ruota motrice è composta da una ruota dentata che ruotando sul binario a cremagliera genera la rotazione del pignone esterno.

The movement via the second external pinion is transmitted to the rack mounted onto the side of the second gate leaf.

Attraverso il pignone esterno secondario il movimento viene trasmesso alla cremagliera fissata all'anta successiva.

Principle drive wheel for 2 or 3 leaf systems

Ruota motrice principale per sistema a 2 e 3 ante

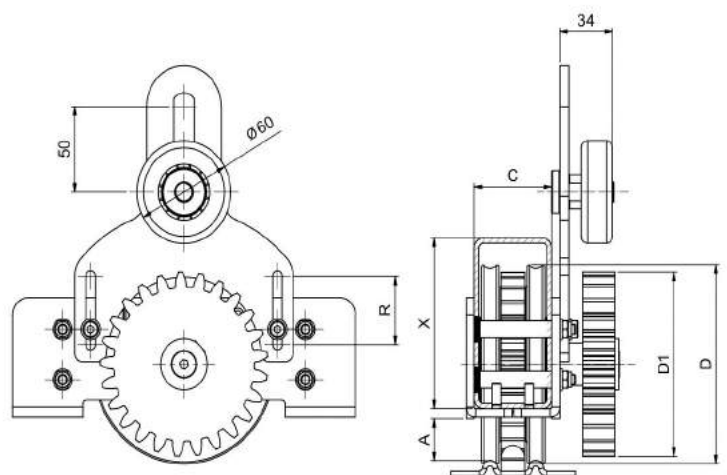


The rack track is equipped with two side guides on which the wheel sits. This is to ensure that the weight of the gate is not loaded on the racks teeth.

Il binario a cremagliera è dotato di 2 guide laterali sulle quali si appoggiano le ruote. In questo modo il peso del cancello non viene scaricato nella parte dentata.

Movement is generated by the ground mounted rack that also functions as a track.

Il movimento del cancello è generato dall'accoppiamento ruota - binario a cremagliera.



- D** = Wheel diameter / *Diametro ruota*
C = Internal width (wheel unit)
Larghezza interna (del supporto ruota)
D1 = Pinion diameter
Diametro pignone
X = Minimum tube height
Altezza minima tubolare

| D | C | X | D1 | A | R |
|-----|-----|-----|-----|----|----|
| 97 | 50 | 80 | 88 | 15 | 40 |
| 97 | 60 | 80 | 88 | 15 | 40 |
| 97 | 80 | 80 | 88 | 15 | 40 |
| 117 | 50 | 100 | 108 | 25 | 40 |
| 117 | 60 | 100 | 108 | 25 | 40 |
| 117 | 80 | 100 | 108 | 25 | 40 |
| 148 | 80 | 120 | 128 | 22 | 60 |
| 148 | 100 | 120 | 128 | 22 | 60 |

Guide plates / *Piastre*



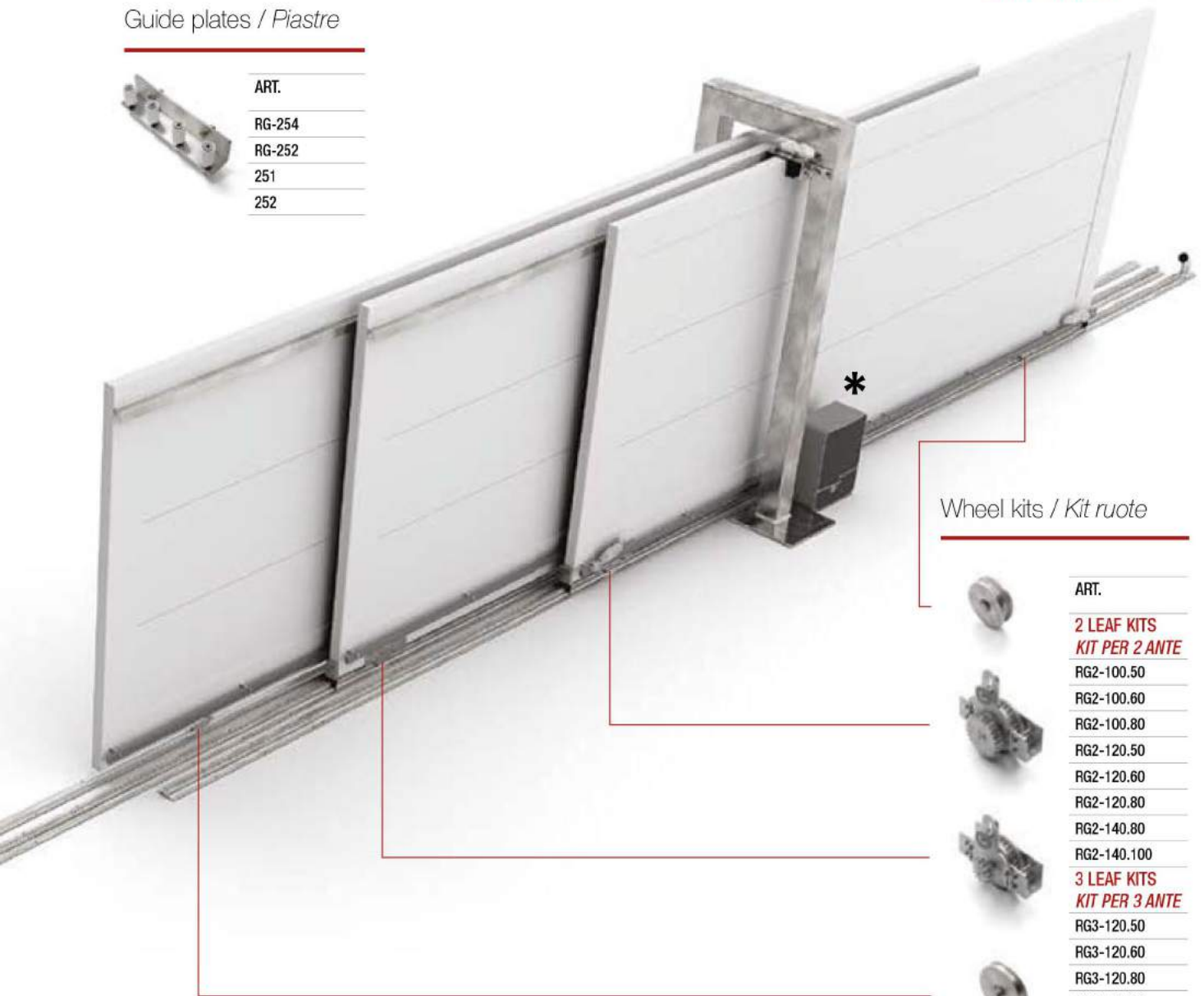
ART.

RG-254

RG-252

251

252



Wheel kits / *Kit ruote*



ART.

2 LEAF KITS
KIT PER 2 ANTE

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
KIT PER 3 ANTE

RG3-120.50

RG3-120.60

RG3-120.80

RG3-140.80

RG3-140.100



* **COMUNELLO**
AUTOMATION

Actuator / *Automazione*



ART.

FORT 2500-S

FORT 3500-S

Track / *Binario*



ART.

289

Track rack
Binario-cremagliera



ART.

RG-30 P

RG-30 G

Racks / *Cremagliere*



ART.

260-22x22

262

Brush kit
Kit spazzolini



ART.

RG-15

Template guides
Dime



ART.

RG-10 P

RG-10 G

RG-20

Support / *Attacchi*



ART.

264

266

Speed reduction system
Sistema riduzione velocità



ART.

RG-40

RG-45

CG-58

CG-58G

The Ranger telescopic system

Il sistema telescopico Ranger

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. 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.

Il sistema telescopico Ranger non ha bisogno di funi per la trasmissione del movimento tra le ante in quanto utilizza un innovativo sistema di binario a cremagliera fissato a terra. La trasmissione del movimento avviene grazie a ruote speciali con pignone esterno che si accoppino meccanicamente alle cremagliere fissate alle ante. La semplicità del sistema assicura una facile e rapida installazione, garantendo affidabilità con minima manutenzione. Durante ogni apertura e chiusura del cancello il binario a cremagliera viene pulito attraverso due spazzolini installati nella parte anteriore e posteriore delle ante.



Bracket / Staffa



ART.
CG-15M
CG-15P

End cup / Incontro



ART.
CG-30 M
CG-30 P
CG-30 G
199

End stop
Arresto fine corsa



ART.
201
202
202F-A

"U" profile
Profilo ad "U"



ART.
RG-387.3
RG-387.6



RANGER