



INTRODUCING
4 NEW
REVOLUTIONARY
PATENTED
SYSTEMS

INNOVATION ADVANCING GATES

 **COMUNELLO**
GATE DIVISION



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INNOVATION ADVANCING

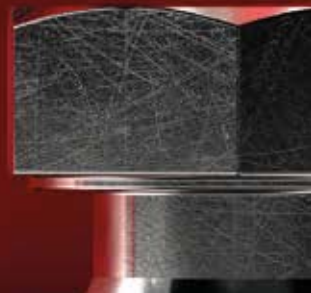


 R | COM

GATES



GUINELLO
MADE IN ITALY





COMUNELLO

GATE DIVISION



Integrator PATENT PENDING

A cantilever system that takes the rack to the inside of the monorail and unites the motor directly to the carriage for a unique integrated system.

Sistema cantilever che ospita la cremagliera all'interno della monorotaia e collega il motore direttamente al carrello ottenendo un sistema integrato unico.



Bullet PATENT PENDING

A new revolutionary mono carriage cantilever system that simplifies both the configuration and installation.

Sistema rivoluzionario con carrello autoportante che semplifica le operazioni sia di configurazione che di installazione.



The Comunello R+D department has developed and patented 4 new gate opening systems, two based on cantilever technology, one utilising sliding gate technology and one utilising swing gate technology. Four innovative, high profile systems conceived, developed and produced in Comunello.

Coerente con il principio della continua ricerca di soluzioni sempre più avanzate ed innovative, il Dipartimento R+D di Comunello ha sviluppato e brevettato 4 nuovi sistemi di apertura per cancelli davvero rivoluzionari. Di questi sistemi due sono basati sulla tecnologia del cantilever, il terzo utilizza quella del cancello scorrevole e il quarto applica il sistema del cancello a battenti.



Ranger PATENT PENDING

A system of telescopic sliding gates with a precise and efficient mechanical system capable of motorising 2 or 3 leaves simultaneously.

Sistema di cancello scorrevole telescopico con un preciso ed efficiente apparato meccanico capace di motorizzare 2 o 3 ante simultaneamente.



Albatros PATENT PENDING

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

Un sistema di cancello a battente bifolding estremamente innovativo ed in grado di offrire il massimo dell'apertura in spazi ridotti.



The Integrator

PATENT
PENDING

The all new cantilever system with integrated transmission gears and protected internal rack. Totally compatible with all Comunello cantilever systems. Available on demand any-brand automation adapter.

Il nuovo sistema autoportante con trasmissione integrata e cremagliera protetta all'interno della monorotaia. Completamente compatibile con tutti i sistemi autoportanti Comunello. Disponibile su richiesta adattatore per automazioni di qualsiasi marca.



A new patented cantilever system with integrated transmission gears and protected internal rack. Made in Comunello.

Nuovo sistema cantilever con trasmissione integrata e cremagliera completamente protetta e nascosta all'interno della monorotaia. Made in Comunello.

- 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.

- *L'accoppiamento pignone cremagliera all'interno della monorotaia garantisce una **completa protezione** agli agenti atmosferici.*
- *Il carrello con pignone integrato viene **collegato** all'attuatore con apposito adattatore.*
- *Il sistema Integrator può **essere adattato** alle diverse tipologie di attuatori scorrevoli.*
- *Adatto a temperature da -30 °C a + 80 °C.*
- *Le monorotaie sono in acciaio profilato di **elevata qualità** con spessori fino 6 mm e sono disponibili nelle versioni 3 e 6 metri grezze o zincate.*
- *La protezione delle parti in movimento garantisce un livello di **sicurezza** più elevato mantenendo un'**estetica pulita**.*



Racks / Cremagliere



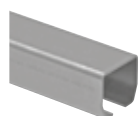
ART.

CG-50M

CG-50P

CG-50G

Monorail / Monorotaia



ART.

CGS-345M

CGS-345P

CGS-345G

Templates / Dime



ART.

CG-55M

CG-55P

CG-55G

CG-10

End cup / *Incontro*



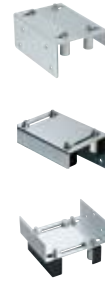
ART.
CG-25M
CG-25P
CG-25G
CG-30M
CG-30P
CG-30G
CG-35P
CG-35G

Bottom end cup
Incontro inferiore



ART.
CGS-346M
CGS-346P
CGS-346G

Guide plates / *Piastre*



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 / *Tirante*



ART.
CG-40

Carriages / *Carrelli*



ART.
CGS-500.8M
CGS-500.8P
CGS-500.8G

Adaptor / *Adattatore*



ART.
CG-58
CG-58 G

Foundation fixing / *Fissaggio*



ART.
CG-05P
CG-05G
CG-348

End stopper for monorail
Terminale per monorotaia



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

Wall bracket
Staffa fissaggio a muro



ART.
CG-15M
CG-15P
CG-15G

Internally housed drive pinion connects directly to the rack integrated within the monorail

Il pignone all'interno del carrello trasmette il moto direttamente alla cremagliera integrata nella monorotaia

An 8 wheel carriage with new generation silent sealed bearings

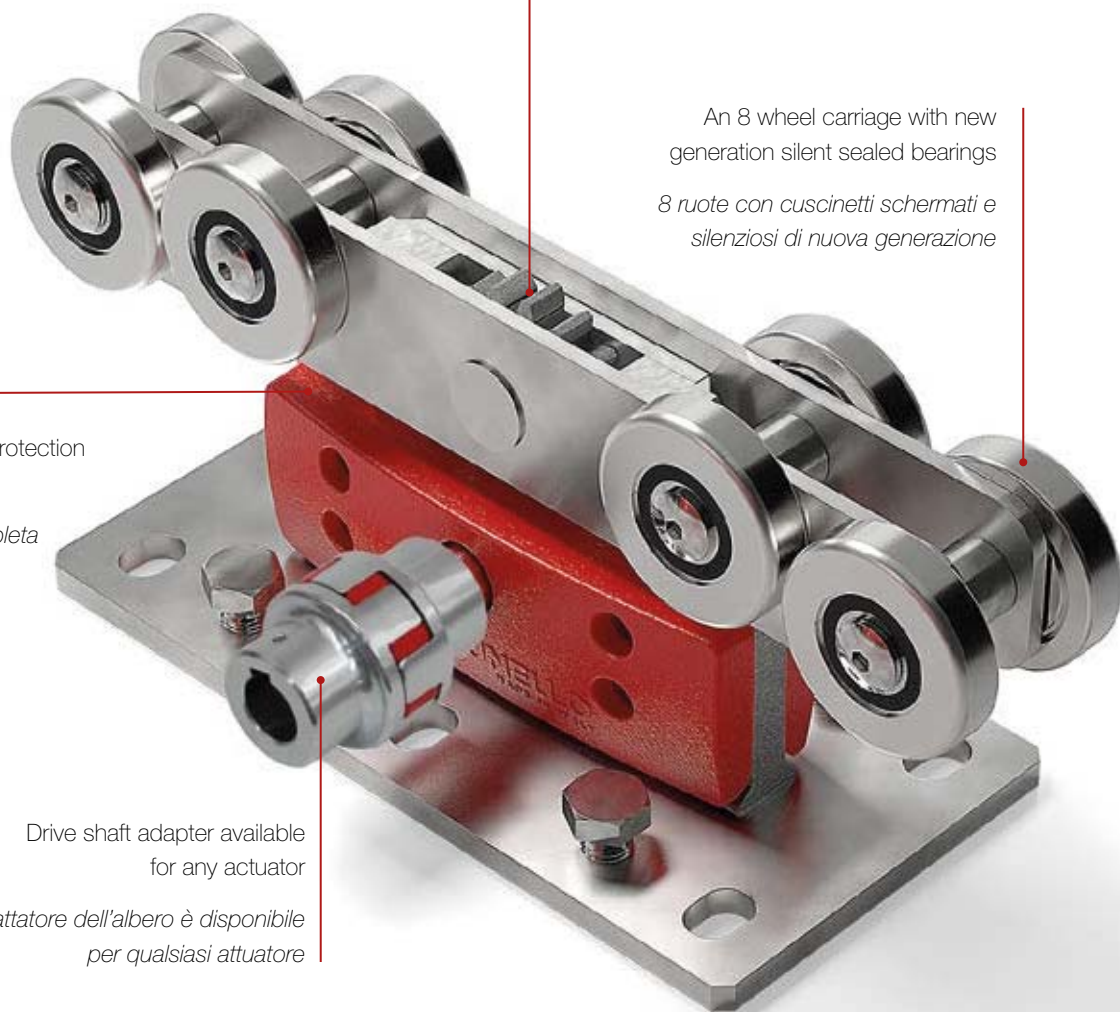
8 ruote con cuscinetti schermati e silenziosi di nuova generazione

Drive pinion casing provides complete protection

Il carter in alluminio garantisce una completa protezione

Drive shaft adapter available for any actuator

L'adattatore dell'albero è disponibile per qualsiasi attuatore



CGS-500.8P

FEATURES

- Noiseless bearings of new generation shielded to protect against dust suitable for temperatures from -30° C to + 80° C
- Self-balancing
- 8 support wheels for each carriage
- Longitudinal alignment on 16 wheels
- Central rotation stiffened pin

CARATTERISTICHE

- Cuscinetti silenziosi di nuova generazione schermati per una migliore protezione dalla polvere; adatti a temperature che vanno dai -30° ai +80° C
- Autobilanciato
- 8 ruote di supporto per ogni carrello
- Allineamento longitudinale su 16 ruote
- Perno centrale di rotazione

Mini



Monorail **CGS-345M**
+ Integrator pre-drilled rack **CG-50M**

Monorotaia **CGS-345M**
+ Integrator cremagliera preforata **CG-50M**



For cantilever gates up to
Per autoportanti fino a
7 m / 500 kg

INTEGRATOR MINI

CGS-500.8M

ACTUATORS FORT

400 24V - 500 230V



Piccolo



Monorail **CGS-345P**
+ Integrator pre-drilled rack **CG-50P**

Monorotaia **CGS-345P**
+ Integrator cremagliera preforata **CG-50P**



For cantilever gates up to
Per autoportanti fino a
8 m / 800 kg

INTEGRATOR PICCOLO

CGS-500.8P

ACTUATORS FORT

600/1000 24V

700/1500 230V



Grande



Monorail **CGS-345G**
+ Integrator pre-drilled rack **CG-50G**

Monorotaia **CGS-345G**
+ Integrator cremagliera preforata **CG-50G**



For cantilever gates up to
Per autoportanti fino a
16 m / 1200 kg

INTEGRATOR GRANDE

CGS-500.8G

ACTUATORS FORT

2500 230V - 3500 380V



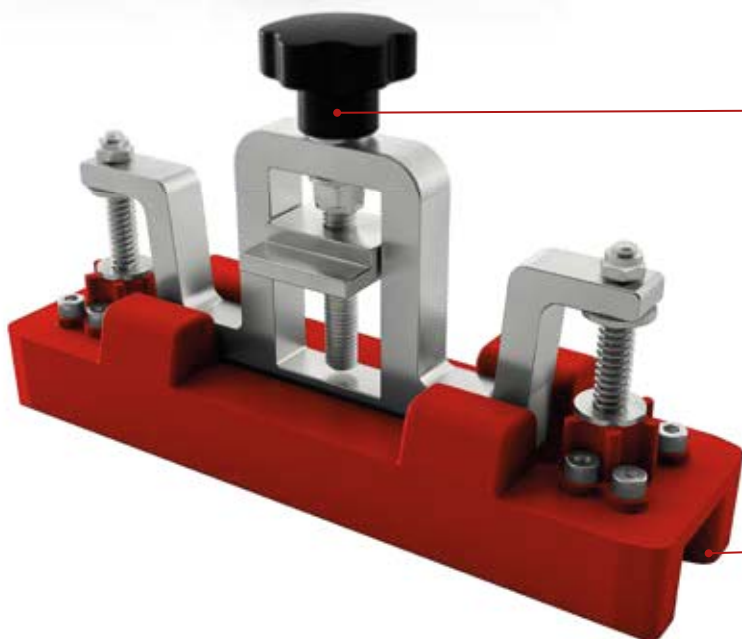
The Integrator rack centering device

La dima di centraggio Integrator



The Integrator centering guide quickly and simply centres the rack along its length by sliding in position inside the monorail. The central slot in the guide base holds the rack and the screw adjustment blocks everything in position so that the pre-drilled holes on the rack can be used as a guide for drilling into the monorail. When a second piece of rack is required just position the guide between the two pieces and tighten the blocking screw, this will perfectly align the teeth between the two racks.

La dima di centraggio del sistema Integrator permette di allineare in maniera semplice e veloce la cremagliera all'interno della monorotaia. La cremagliera preforata viene tenuta in posizione dentro l'apposita scanalatura ed avvitando la manopola è possibile bloccarla nella posizione corretta. Seguendo i prefori della cremagliera è ora possibile effettuare i fori per il fissaggio della stessa alla monorotaia. Per aggiungere un secondo pezzo di cremagliera è sufficiente posizionare la dima tra le 2 cremagliere per mantenere il passo corretto tra i denti.

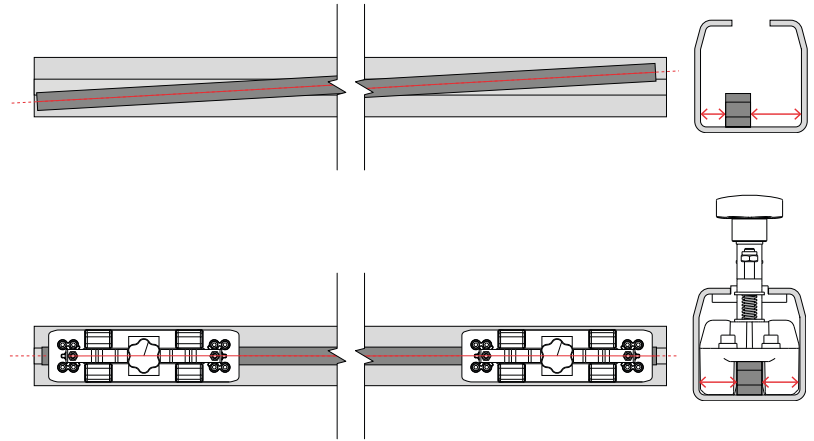


Tightening knob that applies clamping pressure to block the rack in position.

Manopola per il bloccaggio della cremagliera nella posizione corretta.

Centering guide with rack centering channel.

Scanalatura che ospita la cremagliera per il centraggio.

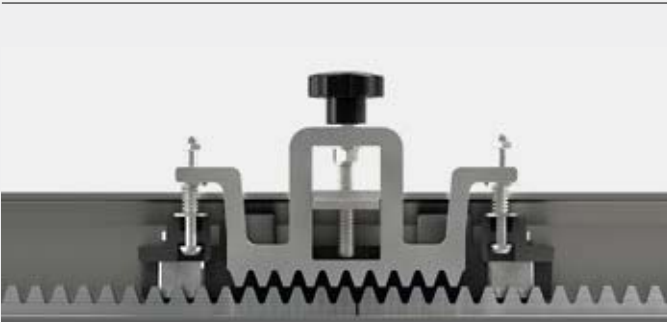
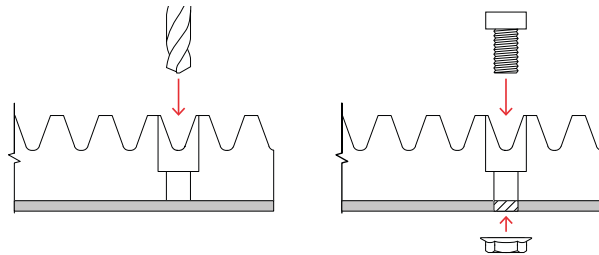


Position the first piece of track inside the monorail. / *Posizionare il primo pezzo di cremagliera all'interno della monorotaia.*

The 2 template guides, one positioned at each end of the track, will centre the track lengthways within the monorail. / *Le 2 dime all'estremità della cremagliera garantiscono il centraggio della cremagliera sulla monorotaia.*

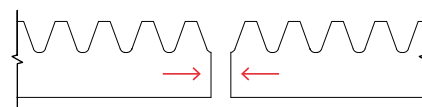


Using the pre-drilled rack as a guide drill fixing holes in the monorail. Fix the rack to the monorail. / *Forare la monorotaia seguendo i preforni della cremagliera. Fissare la cremagliera alla monorotaia.*



Insert the second piece of rack

Inserire il pezzo successivo di cremagliera



Position the template guide between the two pieces of rack and by tightening the template guide the rack teeth are registered correctly. Using the pre-drilled rack as a guide drill fixing holes in the monorail.

Posizionare una dime tra le due cremagliere ed una all'estremità della cremagliera appena inserita. Questo garantisce il corretto allineamento delle cremagliere mantenendo il passo tra i denti.



Watch the video for more information
Guarda il video per approfondimenti

KIT Integrator

MINI

CGS-500.8 M

Integrator kit, Mini version - Master & Slave

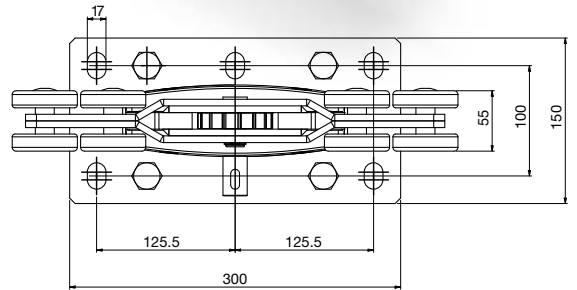
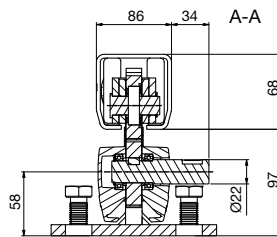
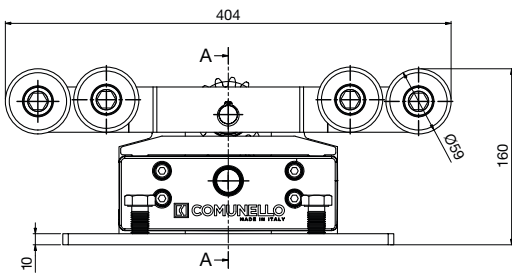
Kit Integrator Mini - Master & Slave

Kit système Integrator, version Mini - Master & Slave

Kit Integrator, Mini Ausführung - Master & Slave

Kit sistema Integrator, versión Mini - Master & Slave

Комплект Integrator, версия Mini - Master & Slave



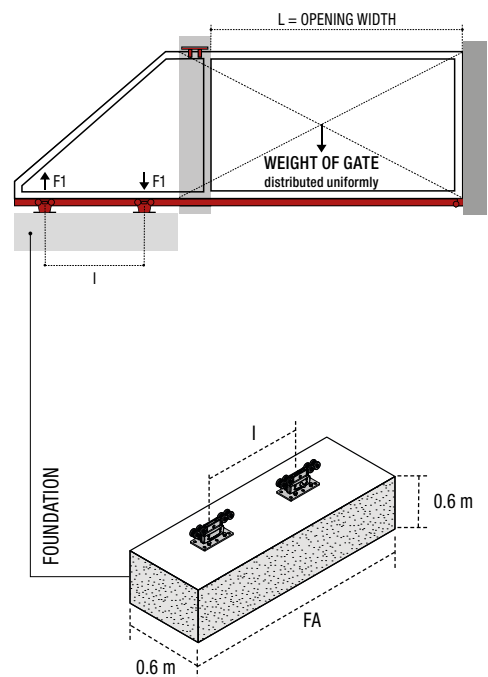
CODE	ART.	Size	Box info	
			Pos per pack	Kg
10131500 001	CGS-500.8 M	Mini	1	21.5

Finishing: Galvanized / Zincato

Minimum dimensions of the reinforced concrete casting

Dimensioni minime getto cemento armato

CGS-500.8M (F1 max=1200 Kg)												
Weight (Kg)	L=2 m		L=3 m		L=4 m		L=5 m		L=6 m		L=7 m	
	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)
100	1.2	0.5	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8
150	1.2	0.5	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8
200	1.2	0.5	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8
250	1.2	0.5	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8
300	1.2	0.5	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8
350	1.3	0.6	1.5	0.8	1.7	1.0	2.0	1.3	2.3	1.6	2.6	1.9
400	1.4	0.7	1.7	1.0	2.0	1.3	2.3	1.6	2.6	1.9	2.9	2.2
450	1.5	0.8	1.8	1.1	2.2	1.5	2.6	1.9	3.0	2.3	3.4	2.7
500	1.7	1.0	2.1	1.4	2.5	1.8	2.9	2.2	3.4	2.7	3.9	3.2



KIT Integrator PICCOLO

CGS-500.8 P

Integrator kit, Piccolo version - Master & Slave

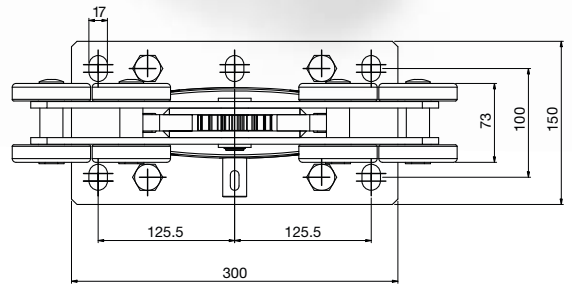
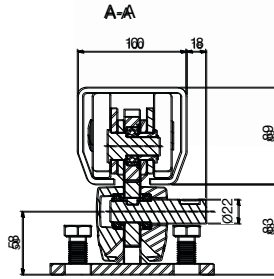
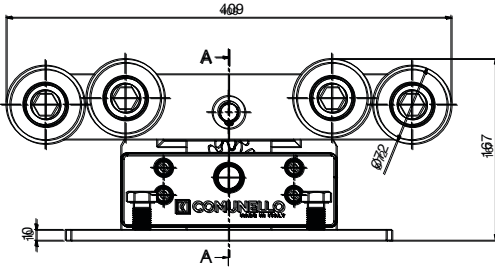
Kit Integrator Piccolo - Master & Slave

Kit système Integrator, version Piccolo - Master & Slave

Kit Integrator, Piccolo Ausführung - Master & Slave

Kit sistema Integrator, versión pequeña - Master & Slave

Комплект Integrator, версия Piccolo - Master & Slave



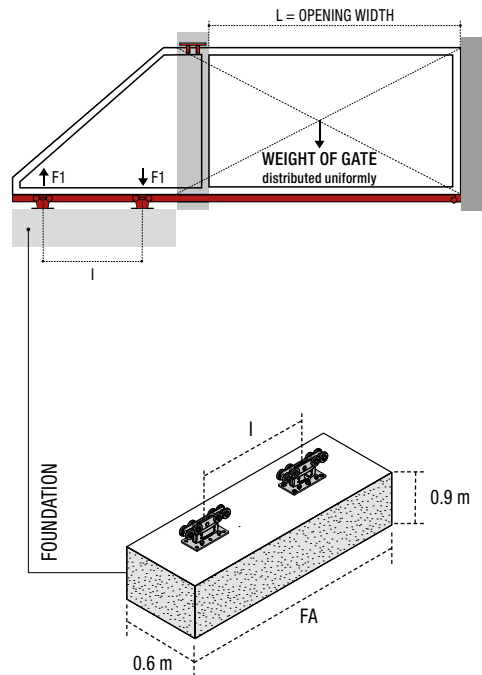
CODE	ART.	Size	Box info	
			Pos per pack	Kg
10131501 001	CGS-500.8P	Piccolo	1	26.5

Finishing: Galvanized / Zincato

Minimum dimensions of the reinforced concrete casting

Dimensioni minime getto cemento armato

CGS-500.8P (F1max=2000 Kg)												
Weight (Kg)	L=3 m		L=4 m		L=5 m		L=6 m		L=7 m		L=8 m	
	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)
100	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
150	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
200	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
250	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
300	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
350	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
400	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
450	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
500	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.7	2.0
550	1.5	0.8	1.7	1.0	2.0	1.3	2.2	1.5	2.5	1.8	2.8	2.1
600	1.6	0.9	1.8	1.1	2.1	1.4	2.4	1.7	2.7	2.0	3.0	2.3
650	1.7	1.0	2.0	1.3	2.3	1.6	2.6	1.9	3.0	2.3	3.3	2.6
700	1.8	1.1	2.1	1.4	2.5	1.8	2.8	2.1	3.2	2.5	3.6	2.9
750	1.9	1.2	2.3	1.6	2.7	2.0	3.1	2.4	3.5	2.8	3.9	3.2
800	2.0	1.3	2.4	1.7	2.9	2.2	3.3	2.6	3.8	3.1	4.3	3.6



KIT Integrator

GRANDE

CGS-500.8 G

Integrator kit, Grande version - Master & Slave

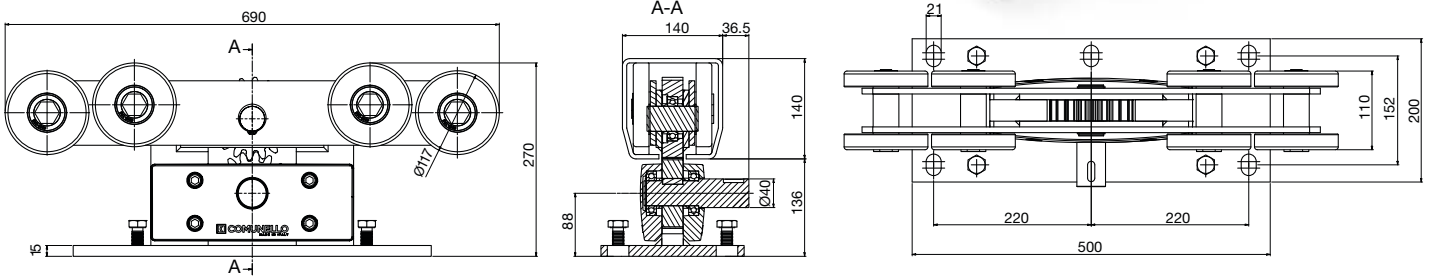
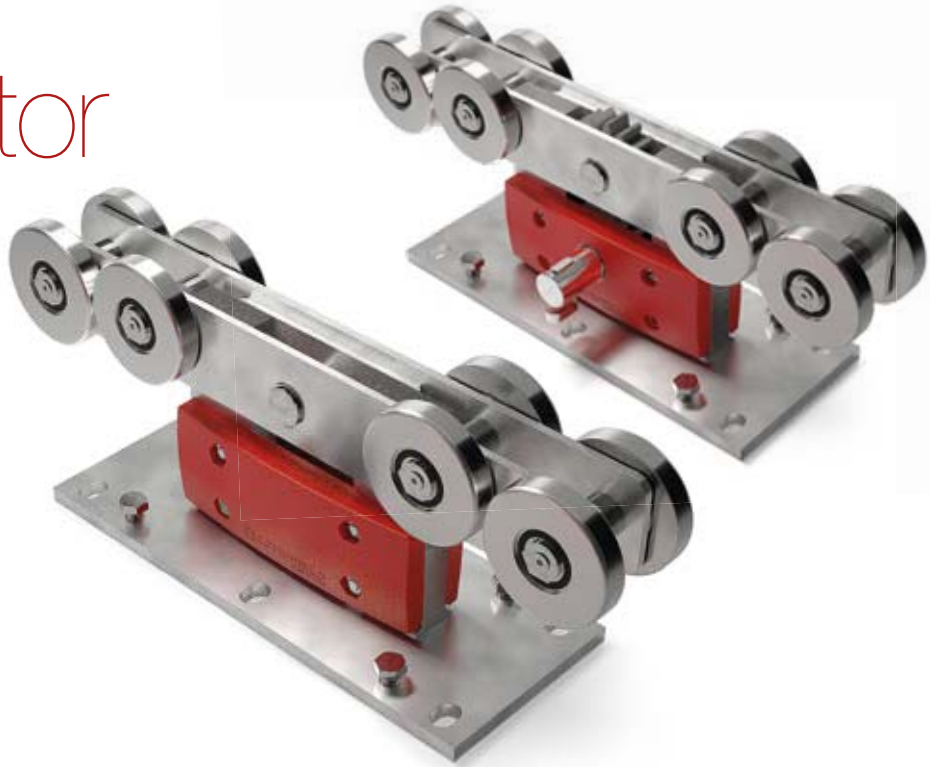
Kit Integrator Grande - Master & Slave

Kit système Integrator, version Grande- Master & Slave

Kit Integrator, Grande Ausführung - Master & Slave

Kit sistema Integrator, versión Grande - Master & Slave

Комплект Integrator, версия Grande - Master & Slave

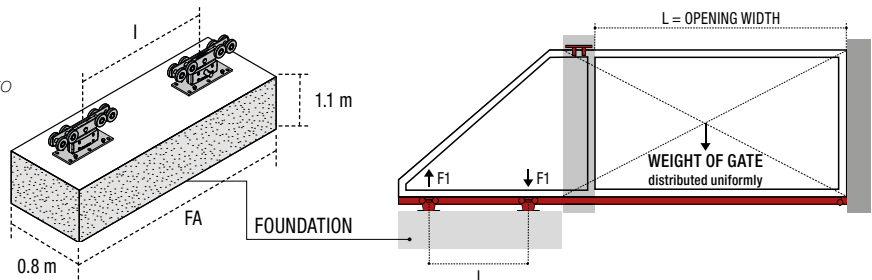


CODE	ART.	Size	Box info	
			Pcs per pack	Kg
10131502 001	CGS-500.8G	Grande	1	97

Finishing: Galvanized / Zincato

Minimum dimensions of the reinforced concrete casting

Dimensioni minime getto cemento armato



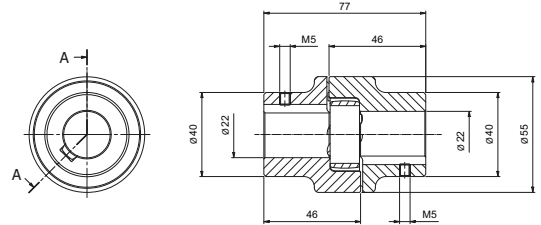
CGS-500.8G (F1max=4000 Kg)																		
Weight (Kg)	L=8 m		L=9 m		L=10 m		L=11 m		L=12 m		L=13 m		L=14 m		L=15 m		L=16 m	
	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)	FA (m)	I (m)
500	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
550	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
600	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
650	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
700	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
750	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
800	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
850	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
900	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	4.9	4.0
950	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	3.9	3.0	4.2	3.3	4.4	3.5	4.7	3.8	5.1	4.2
1000	2.9	2.0	3.2	2.3	3.4	2.5	3.7	2.8	4.0	3.1	4.3	3.4	4.6	3.7	5.0	4.1	5.3	4.4
1050	2.9	2.0	3.2	2.3	3.5	2.6	3.8	2.9	4.1	3.2	4.5	3.6	4.8	3.9	5.2	4.3	5.6	4.7
1100	3.0	2.1	3.3	2.4	3.7	2.8	4.0	3.1	4.3	3.4	4.7	3.8	5.1	4.2	5.5	4.6	5.9	5.0
1150	3.2	2.3	3.5	2.6	3.8	2.9	4.2	3.3	4.5	3.6	4.9	4.0	5.3	4.4	5.7	4.8	6.2	5.3
1200	3.3	2.4	3.6	2.7	4.0	3.1	4.3	3.4	4.7	3.8	5.1	4.2	5.6	4.7	6.0	5.1	6.5	5.6

INTEGRATOR 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

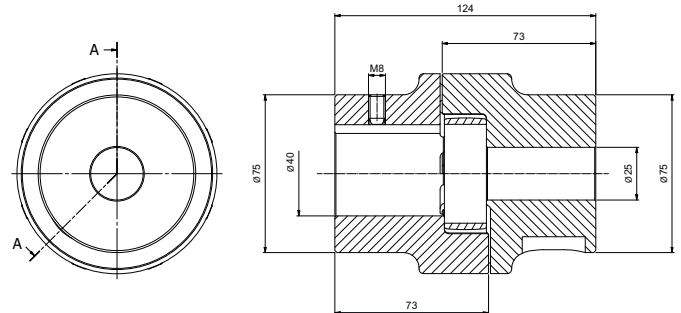


To automate the Mini and Piccolo Integrator system with Comunello actuators (Fort 400/500/600/800/1000/1500) see item "Electromechanical limit switch" AC-206 in the Comunello Automation division. On demand available adapters for any brand of actuator.
 Per automatizzare il sistema Integrator Mini e Piccolo con attuatori Comunello (Fort 400/500/600/800/1000/1500) vedere l'articolo "Finecorsa elettromeccanico" AC-206 nella divisione Comunello Automation. Su richiesta disponibili adattatori per qualsiasi marca di attuatore.

CG-58G

CODE	ART.	Size	Box info	
			Pcs per pack	Kg
10131601 001	CG-58G	Grande	1	2.7

Automation adapter for Integrator kit, Grande version
 Adattatore automazione per Kit Integrator Grande / Ranger
 Adaptateur d'automatisation pour kit de Integrator, version Grande / Ranger
 Automatisierung Adapter für Integrator Kits, Grande Ausführung / Ranger
 Adaptador de automatización para kit de integrador, versión Grande / Ranger
 Автоматический адаптер для комплектов Integrator, версия Grande / Ranger

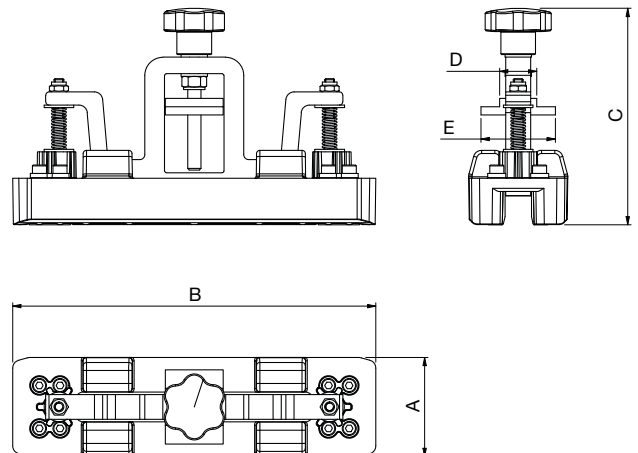


To automate the Grande Integrator system with Comunello actuators (Fort 2500/3500) see item "Electromechanical limit switch" AC-207 in the Comunello Automation division. On demand available adapters for any brand of actuator.
 Per automatizzare il sistema Integrator Grande con attuatori Comunello (Fort 2500/3500) vedere l'articolo "Finecorsa elettromeccanico" AC-207 nella divisione Comunello Automation. Su richiesta disponibili adattatori per qualsiasi marca di attuatore.

CG-55

CODE	ART.	Size	A	B	C	D	E	Box info	
								Pcs per pack	Kg
10131103 001	CG-55 M	Mini	60	220	120	23	45	pair / coppia	2.2
10131104 001	CG-55 P	Piccolo	89	220	138	32	55	pair / coppia	2.7
10131105 001	CG-55 G	Grande	127	220	231	38	55	pair / coppia	4.2

Rack centering device Kit for monorail
 Kit dime di fissaggio cremagliera per monorotaia
 Kit d'appareil centralisant pour monorail
 Zahnstange Befestigung Schablone Kit für Einschienenbahn
 Kit de dispositivo de centrado de cremallera para el monoriel
 Комплект шаблонов выравнивания рейки для монорельса версии



Integrator Accessories

CG-50M

Rack kit M4 - 15 x 15 x 1500
with fixing screws

Kit cremagliera M4 - 15 x 15 x 1500

con viti di fissaggio

Kit de crémaillère M4 15 x 15 x 1500 avec vis de fixation

Zahnstange Kit M4 15 x 15 x 1500 mit Befestigungsschrauben

Kit cremallera M4 15 x 15 x 1500 con tornillos de fijación

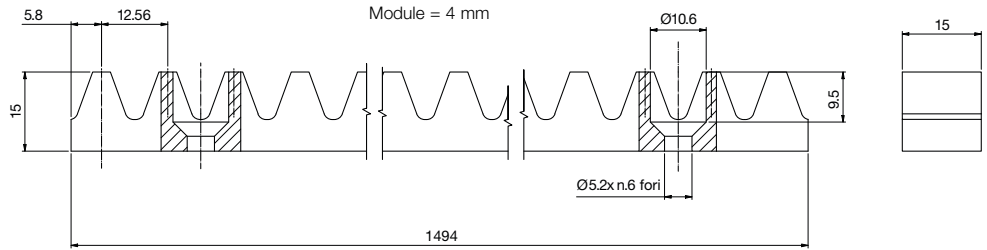
Комплект зубчатой рейки M4 15 x 15 x 1500 с крепежными винтами

Крепежными винтами



CODE	ART.	Size	Box info	
			Pcs per pack	Kg
11400410 001	CG-50 M	Mini	1	2

Finishing: Galvanized / Zincato



CG-50P

Rack kit M4 22 x 22 x 1500
with fixing screws

Kit cremagliera M4 22 x 22 x 1500

con viti di fissaggio

Kit de crémaillère M4 22 x 22 x 1500 avec vis de fixation

Zahnstange Kit M4 22 x 22 x 1500 mit Befestigungsschrauben

Kit cremallera M4 22 x 22 x 1500 con tornillos de fijación

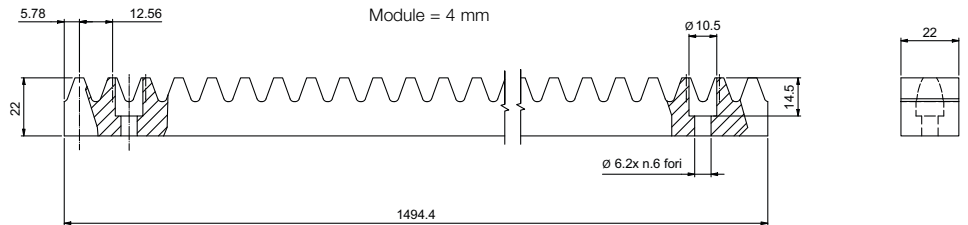
Комплект зубчатой рейки M4 22 x 22 x 1500 с крепежными винтами

Крепежными винтами



CODE	ART.	Size	Box info	
			Pcs per pack	Kg
11400411 001	CG-50 P	Piccolo	1	4.6

Finishing: Galvanized / Zincato



CG-50G

Rack kit M6 - 30 x 30 x 1000
with fixing screws

Kit cremagliera M6 - 30 x 30 x 1000

con viti di fissaggio

Kit de crémaillère M6 30 x 30 x 1000 avec vis de fixation

Zahnstange Kit M6 30 x 30 x 1000 mit Befestigungsschrauben

Kit cremallera M6 30 x 30 x 1000 con tornillos de fijación

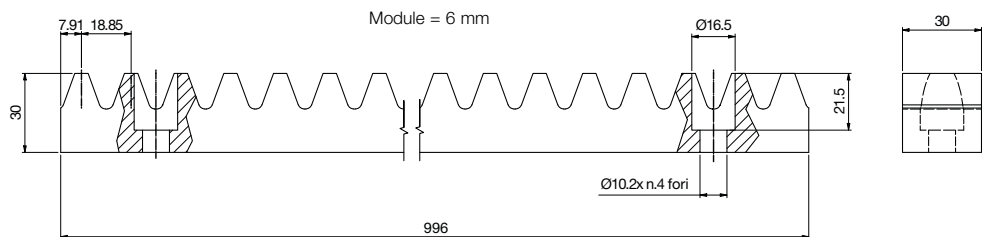
Комплект зубчатой рейки M6 30 x 30 x 1000 с крепежными винтами

Крепежными винтами



CODE	ART.	Size	Box info	
			Pcs per pack	Kg
11400412 001	CG-50G	Grande	1	5.6

Finishing: Galvanized / Zincato



Compatible Cantilever Accessories

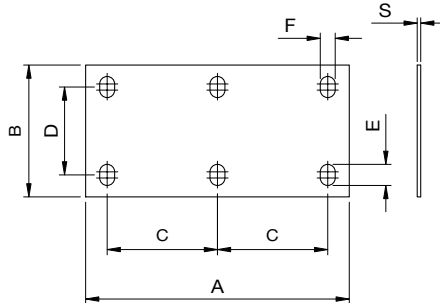
CG-05

Counter plate for carriages-small and large
Contro piastra per carrelli piccolo e grande
Contre-plaque pour chariots - petit e grand
Gegenplatte für Laufwagen gross und klein
Contraplaca para carros pequeño y grande
Контрплита для больших и малых тележек



CODE	ART.	Size	A	B	C	D	E	F	S	Box info	
										Pcs per pack	Kg
10131005 001	CG-05P	Piccolo	300	150	125.5	100	24	17	4	2	2.70
10131010 001	CG-05G	Grande	500	200	220	152	30	21	4	2	6.00

Finishing: Galvanized / Zincato



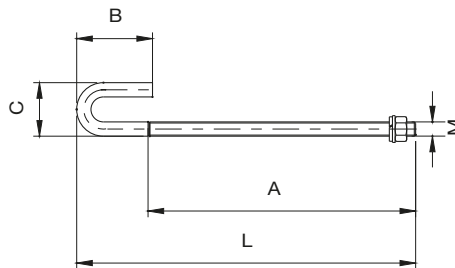
CG-348

Threaded foundation tie rods
 CGS 350 e CGS 350.8
Ancorante filettato per carrelli
CGS 350 e CGS 350.8
Tirant fileté pour chariots CGS 350 et CGS 350.8
Gewindestange für Laufwagen CGS 350 und CGS 350.8
Anclaje roscado para carros CGS 350 y CGS 350.8
Резьбовое анкерное крепление для тележек CGS 350 и CGS 350.8



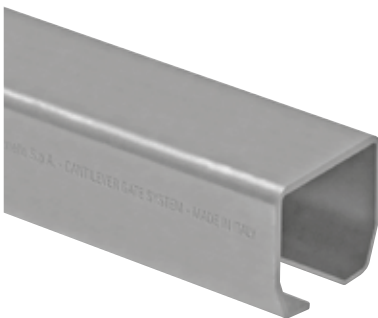
CODE	ART.	Size	A	B	C	L	M	Box info	
								Pcs per pack	Kg
10130505 001	CG-348	M16	300	85	60	380	M16	12	8.40
10130510 001	CG-348	M20	300	85	70	385	M20	12	13.10

Finishing: Galvanized / Zincato



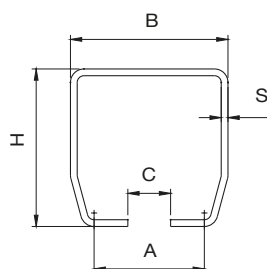
CGS-345

Monorail for cantilever gates
Monorotaia per cancelli auto-portanti
Rails pour portails autoportants
Einfachschiene für selbsttragende Tore
Monocarril para puertas autoportantes
Монорельс для самонесущих ворот



CODE	ART.	Size	Finishing	A	B	C	H	S	L	Box info	
										Pcs per pack	Kg
10207001	CGS-345M	Mini	Raw	48	68	23	68	3.5	3000	1	18.25
10207002	CGS-345M	Mini	Raw	48	68	23	68	3.5	6000	1	36.50
10207005	CGS-345P	Piccolo	Raw	66.5	100	33	89	5	3000	1	35
10207007	CGS-345P	Piccolo	Raw	66.5	100	33	89	5	6000	1	70
10207020	CGS-345G	Grande	Raw	98	140	38	140	6	3000	1	67
10207022	CGS-345G	Grande	Raw	98	140	38	140	6	6000	1	134
10207001 001	CGS-345M	Mini	Zinc	48	68	23	68	3.5	3000	1	18.25
10207002 001	CGS-345M	Mini	Zinc	48	68	23	68	3.5	6000	1	36.50
10207005 001	CGS-345P	Piccolo	Zinc	66.5	100	33	89	5	3000	1	35
10207007 001	CGS-345P	Piccolo	Zinc	66.5	100	33	89	5	6000	1	70
10207020 001	CGS-345G	Grande	Zinc	98	140	38	140	6	3000	1	67
10207022 001	CGS-345G	Grande	Zinc	98	140	38	140	6	6000	1	134

Finishing: Galvanized / Zincato



Compatible Cantilever Accessories

CG-10

Alignment tie rods template and fixture of the carriages

Dima di allineamento ancoranti e

fissaggio carrelli

Calibre d'alignement des tirants et fixation chariots

Lehre für die Aufreihung der Gewindestangen und für die Laufwagenbefestigung

Plantilla de alineación anclajes y fijación carros

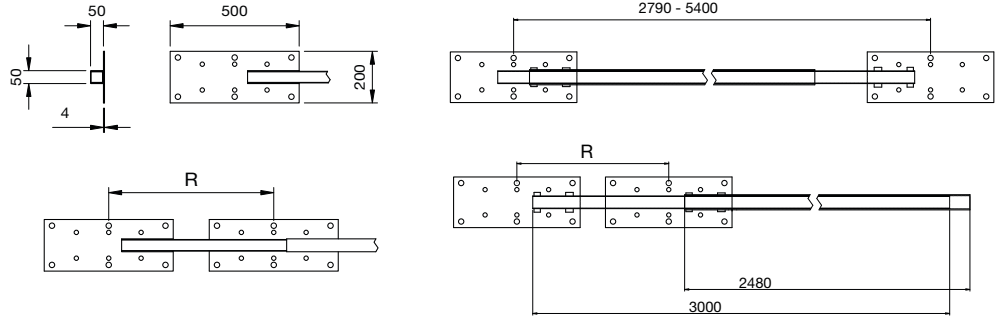
Шаблон выравнивания с анкерным

креплением и креплением для тележек



CODE	ART.	R	Box info	
			Pcs per pack	Kg
10131100 001	CG-10	500 ÷ 5400	1	20.00

Finishing: Galvanized / Zincato



CGS-346

Bottom end cup to be fixed

Incontro inferiore a fissare

Butée inférieure à fixer

Unterauflageschuh zum Aufschrauben

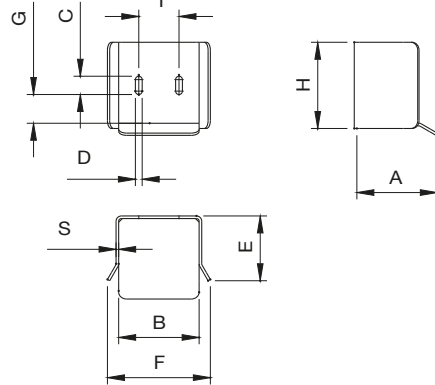
Encuentro inferior para fijar

Прикрепляемый нижний упор



CODE	ART.	A	B	C	D	E	F	G	H	I	S	Box info	
												Pcs per pack	Kg
10705501 001	CGS-346M	104	78	25	9	75	114	25	91	38	4	2	2.30
10705505 001	CGS-346P	119	112	30	11	84	154	33	112	50	4	2	3.60
10705510 001	CGS-346G	159	154	35	13	120	197	55	165	77	5	2	7.60

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 Eckmauerhalterung für Auflageschuh

Placa angular regulable fijación a la pared

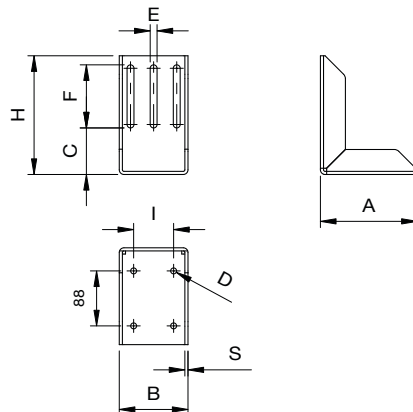
para encuentro

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	Ø 9.5	9	78	165	64	5	1	2.60
10708005 001	CG-15P	155	110	80	Ø 9.5	11	90	190	64	5	1	2.90
10708010 001	CG-15G	155	120	82	Ø 13	13	117	220	70	5	1	3.30

Finishing: Galvanized / Zincato



CGS-347

End wheel for monorail

Ruota terminale per monorotaia

Galet d'extrémité pour rail

Endrad für Einfachschiene

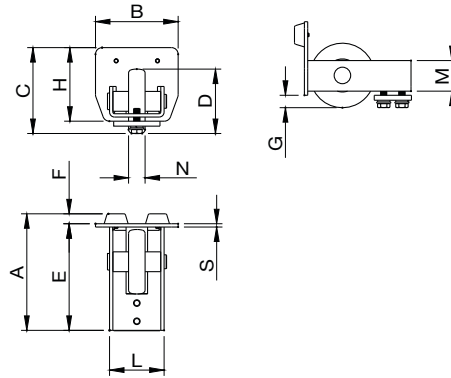
Rueda terminal para monocarril

Концевое колесо монорельса



CODE	ART.	A	B	C	D	E	F	G	H	L	M	N	S	Box info	
														Pcs per pack	Kg
10705001 001	CGS-347M	135	68	82.5	∅ 68	123	12	14.5	68	45	32	15	4	2	2.00
10705005 001	CGS-347P	141	100	104	∅ 78	129	12	15	89	66	37	20	4	2	3.40
10705010 001	CGS-347G	195	140	155	∅ 98	170	24.5	15	140	95	56	30	5	2	8.30

Finishing: Galvanized / Zincato



CG-20

End stopper without wheel for monorail

Terminale senza ruota per monorotaia

Embout d'extrémité sans galet pour rail

Endpfropfen für Einfachschiene ohne Rad

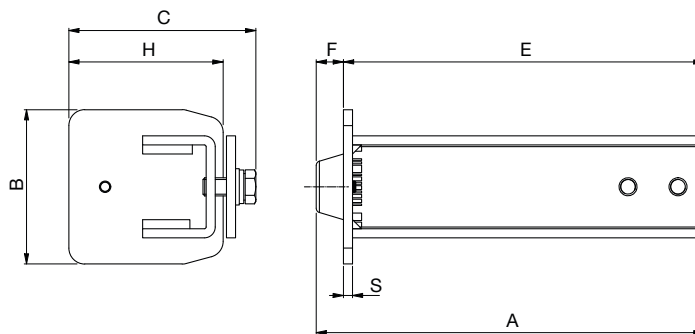
Terminal sin ruoda para monocarril

Наконечник без колеса для монорельса



CODE	ART.	Size	A	B	C	E	F	H	S	Box info	
										Pcs per pack	Kg
10707101 001	CG-20M	Mini	68	68	78	155	12	68	4	2	1.20
10707105 001	CG-20P	Piccolo	100	100	105	155	12	89	4	2	1.80
10707110 001	CG-20G	Grande	140	140	155	165	24.5	140	5	2	3.90

Finishing: Galvanized / Zincato



CG-21

End stopper without wheel for monorail

Terminale senza ruota per monorotaia

Embout d'extrémité sans galet pour rail

Endpfropfen für Einfachschiene ohne Rad

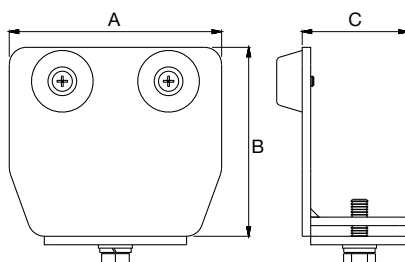
Terminal sin ruoda para monocarril

Наконечник без колеса для монорельса



CODE	ART.	Size	A	B	C	Box info	
						Pcs per pack	Kg
10707115 001	CG-21M	Mini	68	68	49	4	1.30
10707120 001	CG-21P	Piccolo	100	89	50	4	1.70
10707125 001	CG-21G	Grande	140	140	53	4	4.90

Finishing: Galvanized / Zincato



Compatible Cantilever Accessories

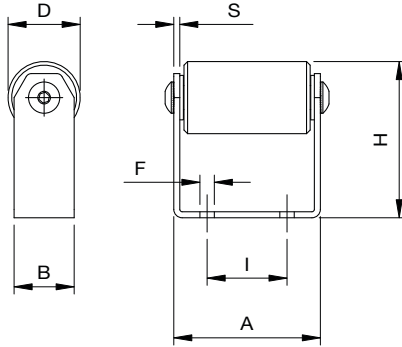
CG-25

Lower end cup with nylon roller
Incontro inferiore con rullo in nylon
Butée inférieure avec rouleau en nylon
Unterauflageschuh mit Nylonrolle
Encuentro inferior con rodillo de nylon
Нижний упор с нейлоновый роликом



CODE	ART.	Size	A	B	D	F	H	I	S	Box info	
										Pcs per pack	Kg
10707501 001	CG-25M	Mini	80	40	∅ 50	8.5	115	45	5	2	1.30
10707505 001	CG-25P	Piccolo	122	50	∅ 60	11	130	75	5	2	2.60
10707510 001	CG-25G	Grande	161	60	∅ 80	13	140	90	6	2	5.00

Finishing: Galvanized / Zincato



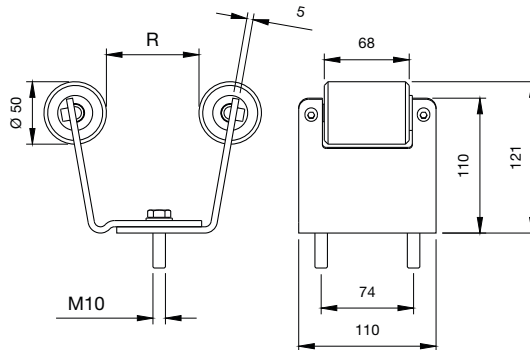
CG-30

Adjustable end cup to be fixed for gates
Incontro per cancelli regolabile a fissare
Butée réglable à fixer pour portails
Verstellbarer Auflageschuh 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



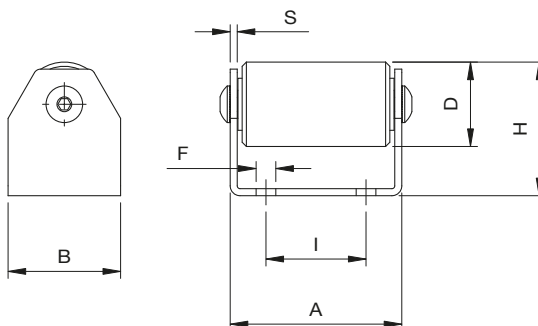
CG-35

Intermediate support with nylon roller
Supporto intermedio di sostegno con rullo in nylon
Support intermédiaire de soutien avec rouleau en nylon
Mittlerer Stütze für selbsttragende Tore
Soporte intermedio de sostén con rodillo de nylon
Промежуточная опора с нейлоновый роликом



CODE	ART.	A	B	D	F	H	I	S	Box info	
									Pcs per pack	Kg
10707705 001	CG-35P	122	80	∅ 60	17	95	70	5	1	1.40
10707710 001	CG-35G	161	100	∅ 80	21	120	90	6	1	3.10

Finishing: Galvanized / Zincato



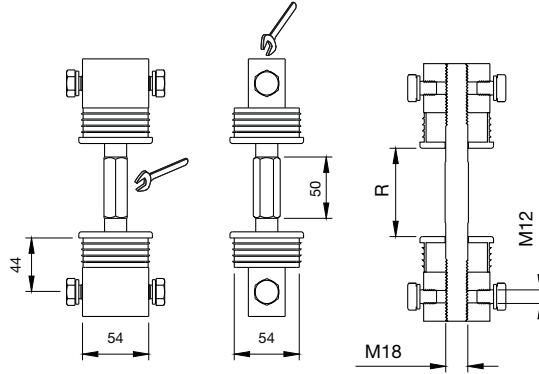
CG-40

Tension bar for gate regulation
Tirante in acciaio zincato per regolazioni cancelli
Tirants pour réglage portails
Ankerbolzen zur Torregulierung
Tensores de acero galvanizado para regulaciones puertas
 Тяга из оцинкованной стали для регулирования ворот



CODE	ART.	R	19	Box info	
				Pcs per pack	Kg
10131400 001	CG-40	50-100	19	1	1.30

Finishing: Galvanized / Zincato



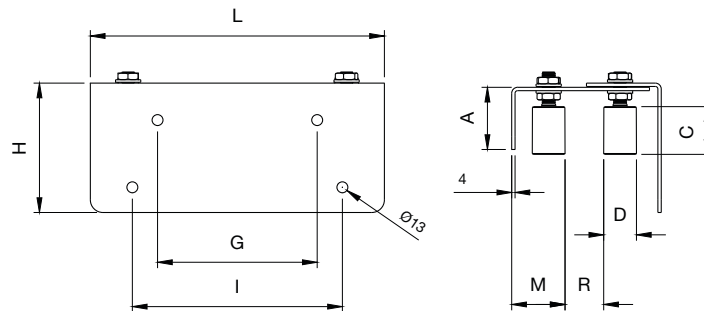
CG-251

Adjustable gate guide plate to be fixed with long wing
Piastra guida cancello regolabile con ala lunga a fissare
Plaque guide portail réglable à fixer avec aile longue
Verstellbare Torführungsplatte mit langem Flügel zum Aufschrauben
Placa de guía de la puerta regulable con ala larga para fijar
 Пластина регулируемая направляющая ворот с длинной прикрепляемой полкой



CODE	ART.	A	C	D	G	H	I	L	M	R	Box info	
											Pcs per pack	Kg
11310005 001	CG-251	74	58	Ø40	190	154	230	350	44-88	70-110	1	6.70

Finishing: Galvanized / Zincato



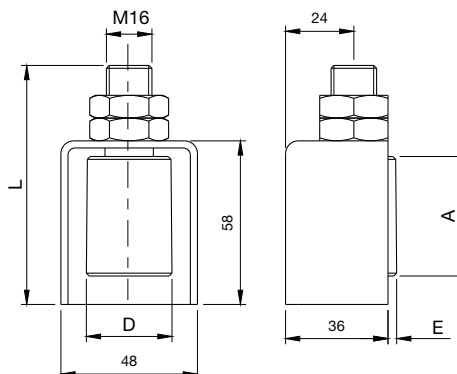
232

Nylon roller with accident prevention
Oliva in nylon con protezione antinfortunistica
Rouleau en nylon pour la prévention des accidents
Nylon-Führungsrolle für die Unfallverhütung
Rodillo de nylon con protección
 Нейлоновый наконечник с защитой от несчастных случаев



CODE	ART.	A	B	D	I	H	Box info	
							Pcs per pack	Kg
11302210 001	232-30	40	Ø30	3	84	24	20	4.40
11302215 001	232-40	58	Ø39	7.5	98	24	20	5.90

Finishing: Zincato / Galvanized



Compatible Cantilever Accessories

247F

Small drive-gate plate

Minipiastra guida cancello

Petite platine guide-portail

Kleiner Führungsbügel

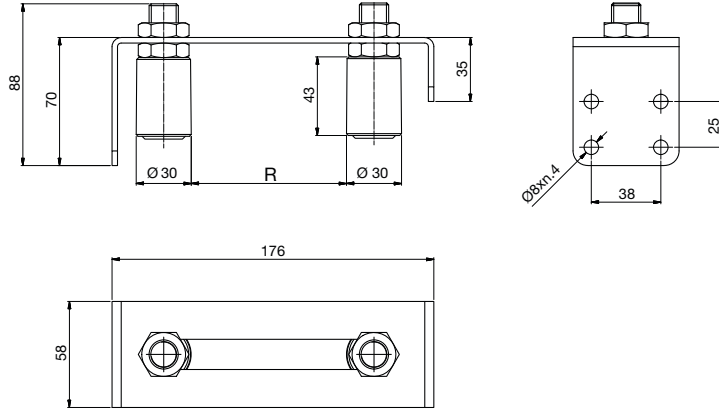
Placa pequeña de guía de la puerta

Пластина минируководящая ворот



CODE	ART.	R	Box info	
			Pcs per pack	Kg
11305008 001	247 F	0-85	20	9.40

Finishing: Galvanized / Zincato



250

Drive-gate adjustable plate

Plastra guida cancello regolabile

Platine guide-portail réglable

Verstellbarer Torführungsbügel

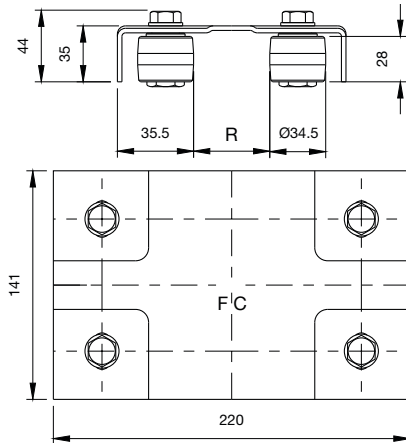
Placa de guía de la puerta regulable

Пластина регулируемая направляющая ворот



CODE	ART.	R	Box info	
			Pcs per pack	Kg
11305505 001	250-220	30-60	10	12.5

Finishing: Galvanized / Zincato



251

Adjustable drive-gate plate with angle-brackets.

Plastra guida cancello regolabile con staffe angolari

Platine guide-portail réglable avec plaques d'angle

Verstellbarer Torführungsbügel mit Eckhalterungen

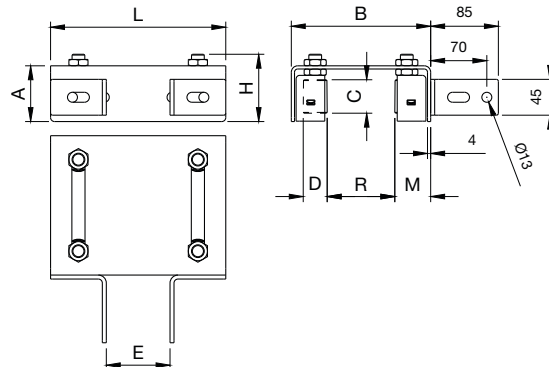
Placa de guía de la puerta regulable con estribos de fijación

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

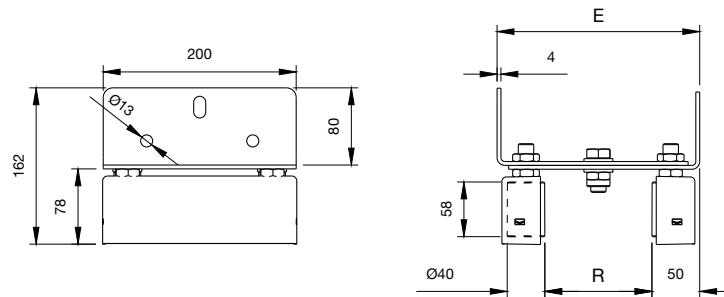
Placa doble regulación para fijar para puertas con dos columnas

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



255

Guiding plate for gates with double adjustment

Piastra guida cancello a

doppia regolazione

Platine guide-portail à double réglage

Torführungsbügel mit Doppelverstellung

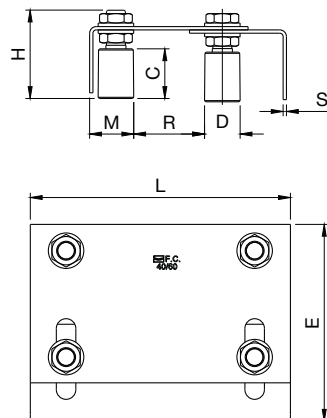
Placa de guía de la puerta de doble regulación

Пластина направляющая ворот с двойным регулированием



CODE	ART.	Size	C	D	E	H	L	M	R	S	Box info	
											Pcs per pack	Kg
11306005 001	255-220	Ø30	40	Ø30	135-175	74	220	38	35-62	3	10	22.70
11306010 001	255-350	Ø40	58	Ø39	176-222	98	350	47	62-85	4	5	27.90

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

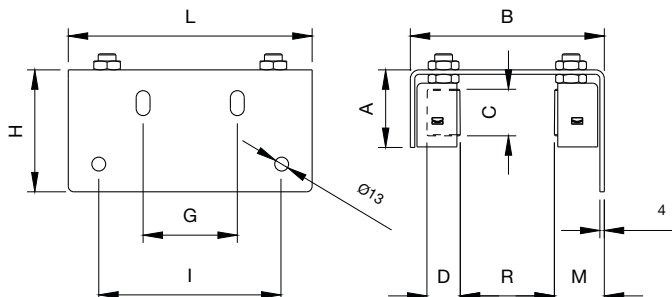
Placa de guía de la puerta regulable con ala larga para fijar

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
11305910 001	256-300	Ø40	80	230	58	Ø40	150	150	230	300	52	0-120	2	9.10

Finishing: Galvanized / Zincato



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
- **Just four bolts** to adjust for precise alignment

Portando i cancelli autoportanti a nuovi livelli di semplicità, questi carrelli innovativi sono in assoluto i più facili e veloci da installare.

Pochi semplici passaggi per l'installazione:

- *La distanza tra le ruote può essere regolata per adattare il carrello alle **diverse dimensioni** dei cancelli.*
- *Un **unico carrello** da allineare e fissare per un'installazione veloce*
- ***Bastano 4 dadi** per regolare il carrello*



The Bullet mono-carriage cantilever system

Il mono-carrello Bullet

- **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.
- **LOW INSTALLATION.** Usin the sunken foundation plate the entire carriage can be installed lower than ground level.
- **FACILE E VELOCE.** Il semplice posizionare un unico carrello consente un'installazione facile e veloce
- **REGOLABILE.** La distanza regolabile tra le ruote rende il monocarrello adatto a differenti lunghezze e pesi di cantilever.
- **ALLINEAMENTO.** L'allineamento tra le ruote è sempre garantito senza l'ausilio di dime o altri accessori.
- **INSTALLAZIONE RIBASSATA.** Mediante la base di contenimento è possibile abbassare il cancello mantenendo un design pulito.



Support for rack Attacchi per cremagliera



ART.

264

266

Tracks / Binari



ART.

CGS-345M

CGS-345P

CGA-345M

CGA-345P

Racks / Cremagliere



ART.

260-22x22

262-30x12

261-26x20

End cup / *Incontro*



ART.
CG-25M
CG-25P
CG-30M
CG-30P
CG-35P

Bottom end cup
Incontro inferiore



ART.
CGS-346M
CGS-346P

Guide plates / *Piastre*



ART.
CG-251
252-200
232-30
232-40

Tension bar / *Tirante*



ART.
CG-40

Carriages / *Carrelli*



ART.
CGS-600.16 M
CGA-600.10 M
CGS-600.16 P
CGA-600.10 P



Fixing template / *Fissaggio*



ART.
CG-60M
CG-60P
CG-06M
CG-06P
CG-65

End stopper for monorail
Terminale per monorotaia



ART.
CGS-347M
CGS-347P
CGA-347M
CGA-347P
CG-20M
CG-20P
CGA-20M
CGA-20P
CG-21M
CG-21P

Wall bracket
Staffa fissaggio a muro



ART.
CG-15M
CG-15P

The adjustable, precise, rapid installation
mono carriage. Configuration made easy.
Un unico carrello per dimensioni diverse.
Preciso, regolabile e di rapida installazione.

5 nylon wheel carriage head with new
generation silent sealed bearings

*5 ruote in nylon con cuscinetti schermati
e silenziosi di nuova generazione*

CGA-600.10 M
ALUMINIUM

Internationally patented carriage body structure

Struttura carrello con brevetto internazionale

8 Wheel carriage head with new generation silent sealed bearings

8 ruote con cuscinetti schermati e silenziosi di nuova generazione

The disalignment between the four center wheels and the four external wheels allows the full load of the gate to be exchanged from the external wheels to the internal wheels when opening and closing

Il disallineamento tra le ruote centrali e quelle esterne consente di spostare il carico del cancello in maniera alternata prima sulle ruote centrali e poi su quelle esterne nel momento dell'apertura e della chiusura del cancello



CGS-600.16 M

Thanks to the rotation pin the carriage is automatically balanced distributing the load between the wheels

Grazie ai perni di rotazione il carrello si autobilancia distribuendo il carico tra tutte le ruote

Bullet. Simplified and precise installation

Bullet. Installazione semplificata e precisa

Select the required carriage length and simply position the mono carriage.

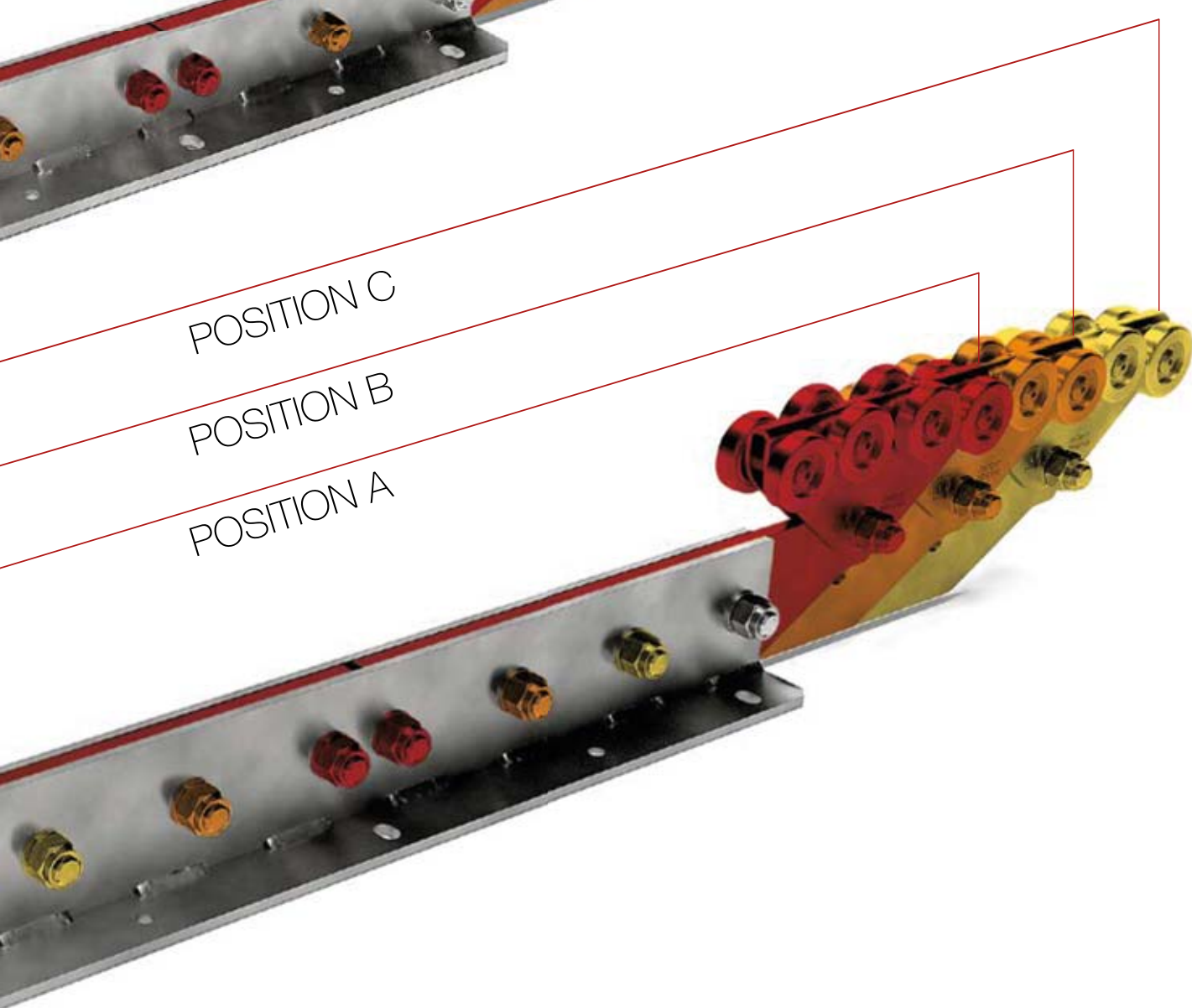
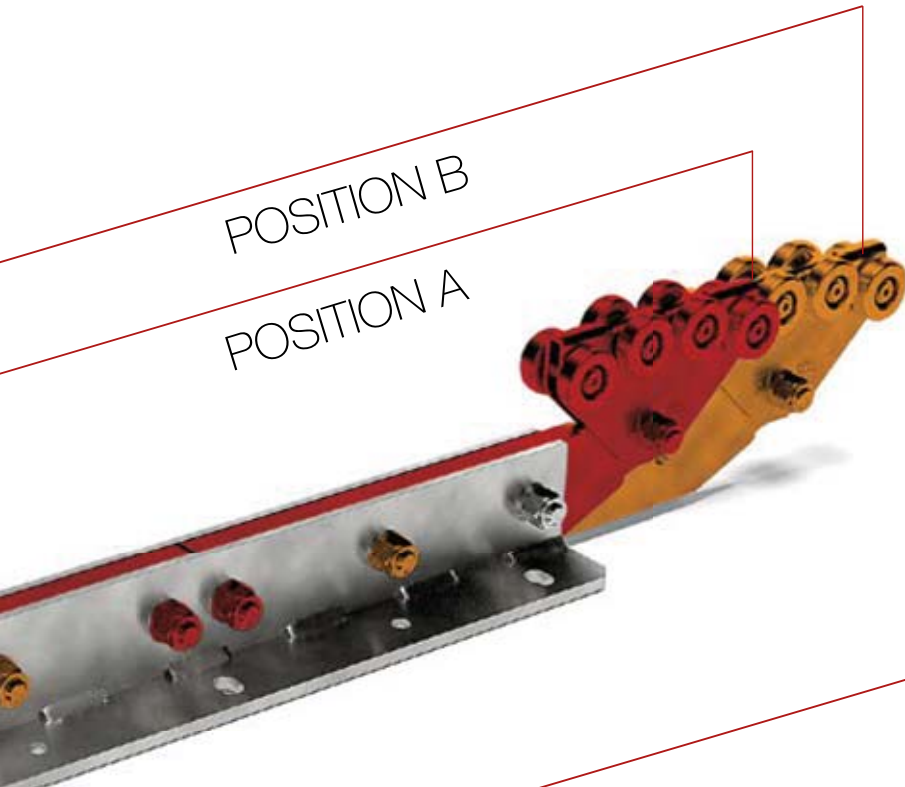
Scegli la posizione adatta delle ruote e semplicemente posiziona il monocarrello

Bullet MINI



Bullet PICCOLO





BULLET

Bullet MINI PATENT PENDING

CGS-600.16 M

Adjustable Mini cantilever carriage with 16 wheels, Bullet system

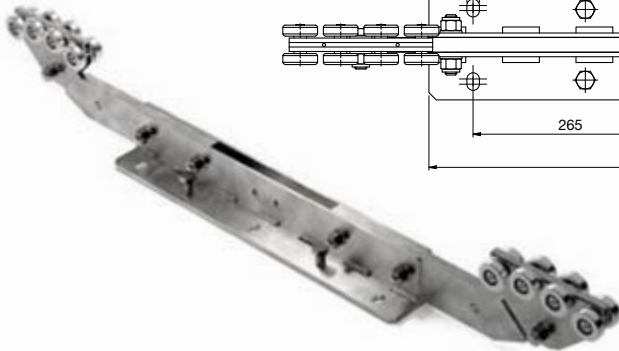
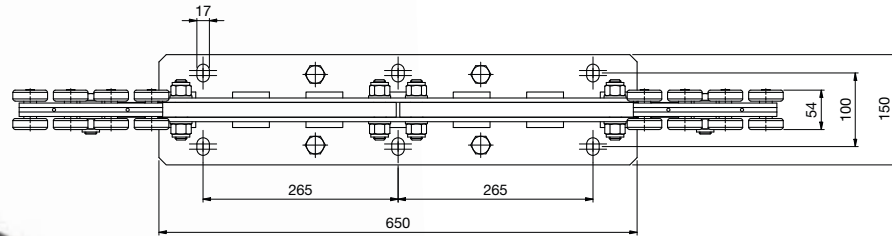
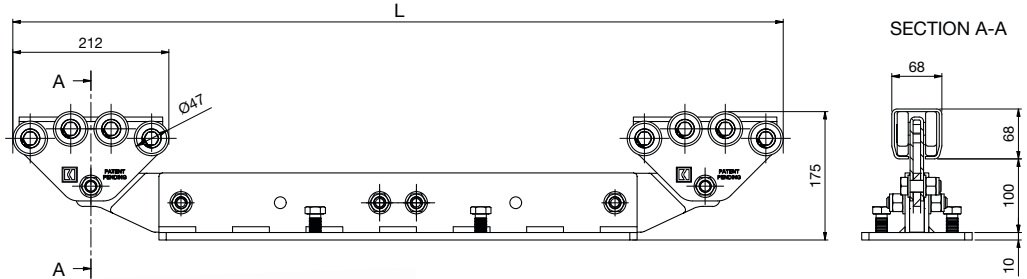
Carrello Bullet Mini regolabile a 16 ruote

Chariot autoportant ajustable Mini avec 16 roues, système Bullet

Einstellbar Mini Laufwagen mit 16 Rädern, Bullet System

Carro ajustable autoportante Mini con 16 ruedas, sistema Bullet

Регулируемая 16-ти колесная тележка Mini, система Bullet

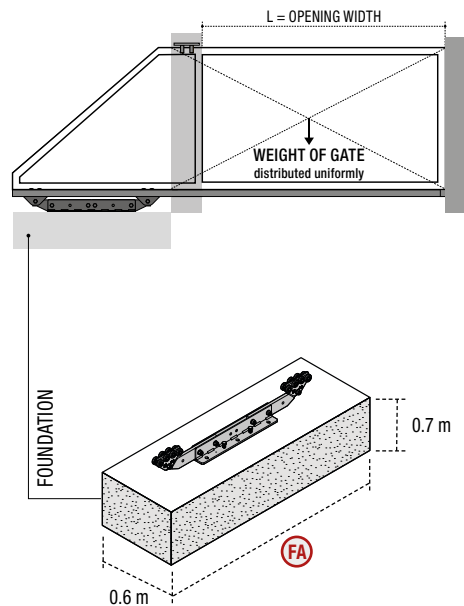


CODE	ART.	Size	L position A	L position B	Box info	
					Pcs per pack	Kg
10130400 001	CGS-600.16 M	Mini	1047	1317	1	29

Minimum dimensions of the reinforced concrete casting
Dimensioni minime getto cemento armato

FOUNDATION CALCULATOR / CALCOLO FONDAZIONE

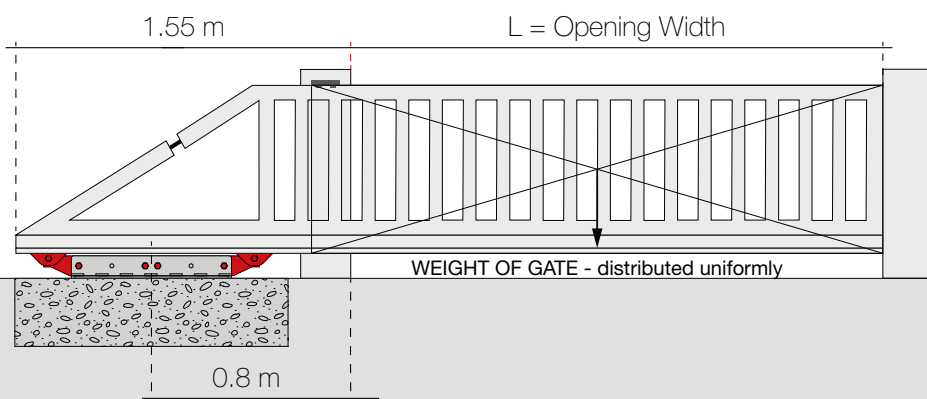
Weight (Kg)	POSITION A			POSITION B		
	L=2 m FA (m)	L=3 m FA (m)	L=4 m FA (m)	L=5 m FA (m)	L=6 m FA (m)	L=7 m FA (m)
100	1.1	1.1	1.1	1.1	1.1	1.2
150	1.1	1.1	1.1	1.2	1.3	1.4
200	1.1	1.1	1.2	1.4	1.5	1.7
250	1.1	1.2	1.4	1.6		
300	1.1	1.3	1.5			
350	1.3	1.5	1.7			
400	1.4	1.7				
450	1.5	1.8				
500	1.7					
550	1.8					
600	2.0					



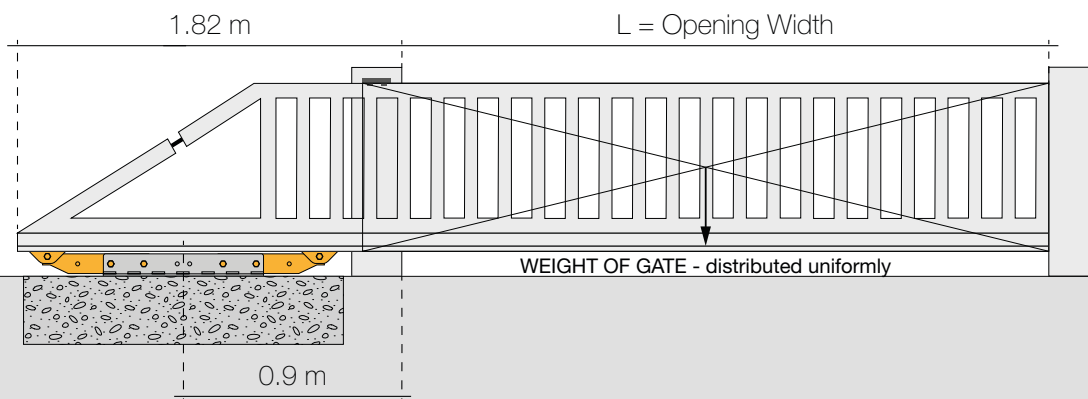
With sunken fixing plate the minimum length of FA is 1.5 m
In caso di utilizzo della vasca di appoggio la misura FA minima è 1,5 m



Bullet MINI - Position A



Bullet MINI - Position B



The automation must be installed at the centre of the mono carriage
L'automazione deve essere installata in corrispondenza dell'asse centrale del carrello

Bullet PICCOLO PATENT PENDING

CGS-600.16 P

Adjustable Piccolo cantilever carriage with 16 wheels, Bullet system

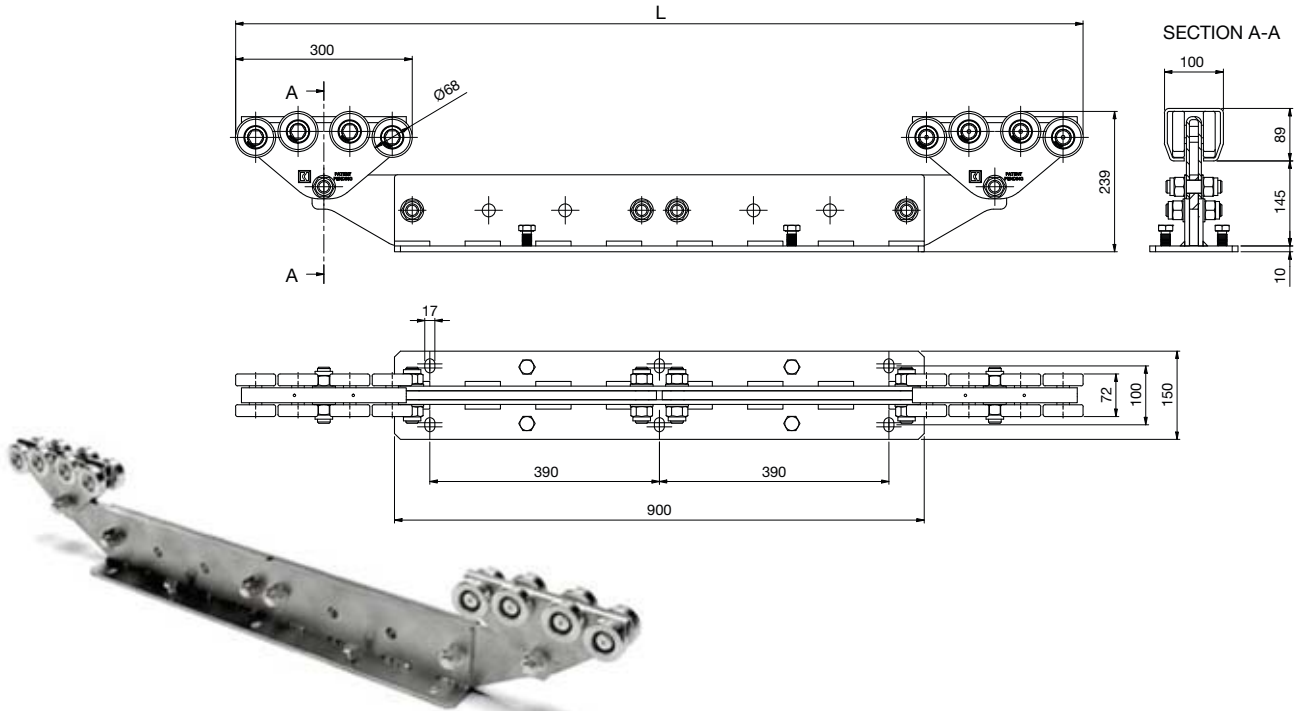
Carrello Bullet Piccolo regolabile a 16 ruote

Chariot autoportant adjustable Piccolo avec 16 roues, système Bullet

Einstellbar Piccolo Laufwagen mit 16 Rädern, Bullet System

Carro ajustable autoportante pequeño con 16 ruedas, sistema Bullet, por puertas en aluminio

Регулируемая 16-ти колесная тележка Piccolo, система Bullet



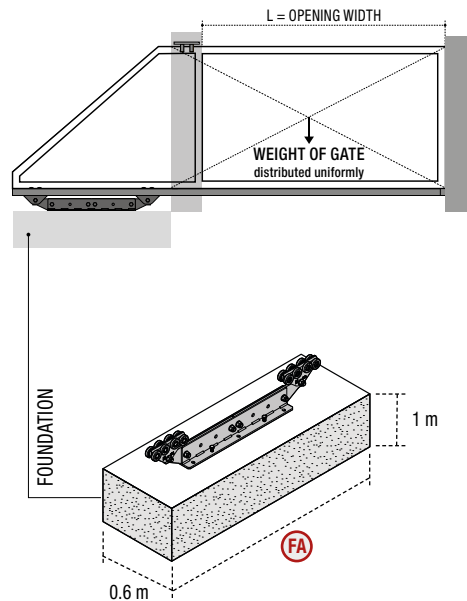
CODE	ART.	Size	L position A	L position B	L position C	Box info	
						Pcs per pack	Kg
10130401 001	CGS-600.16 P	Piccolo	1440	1700	1960	1	54.5

Minimum dimensions of the reinforced concrete casting

Dimensioni minime getto cemento armato

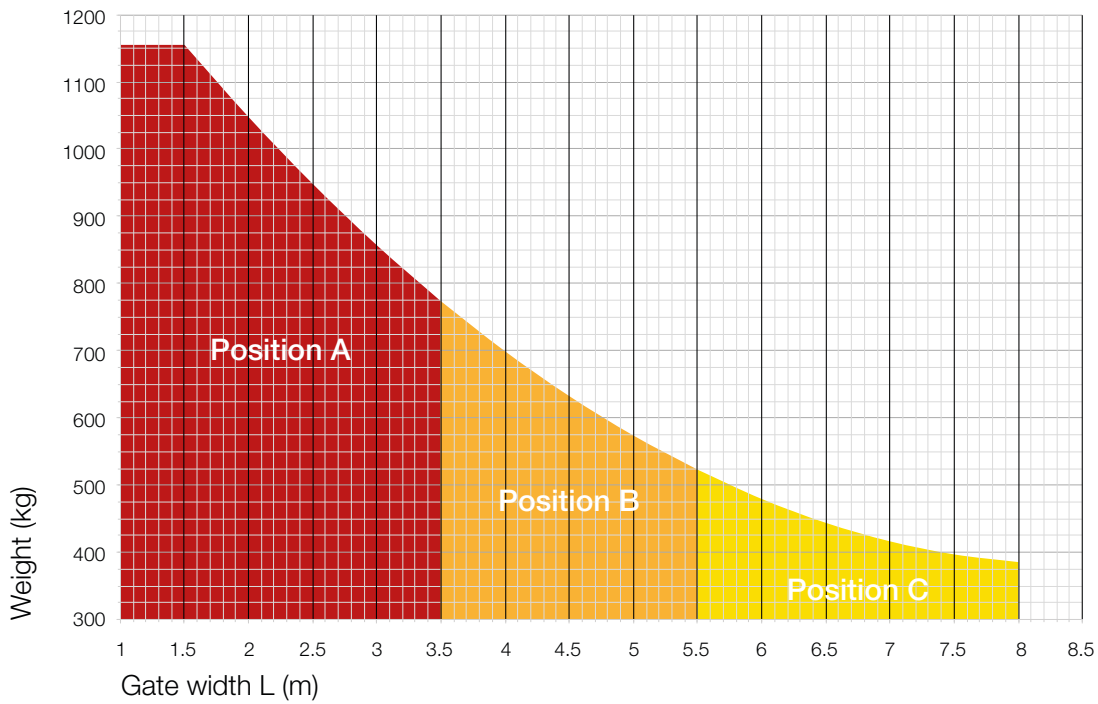
FOUNDATION CALCULATOR / CALCOLO FONDAZIONE

Weight (Kg)	POSITION A		POSITION B		POSITION C		
	L=2 m	L=3 m	L=4 m	L=5 m	L=6 m	L=7 m	L=8 m
	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)
100	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150	1.3	1.3	1.3	1.3	1.3	1.3	1.3
200	1.3	1.3	1.3	1.3	1.3	1.3	1.5
250	1.3	1.3	1.3	1.3	1.3	1.5	1.6
300	1.3	1.3	1.3	1.3	1.5	1.6	1.8
350	1.3	1.3	1.3	1.4	1.6	1.8	2.0
400	1.3	1.3	1.4	1.6	1.7	1.9	
450	1.3	1.3	1.5	1.7	1.9		
500	1.3	1.4	1.6	1.8			
550	1.3	1.5	1.7	2.0			
600	1.3	1.6	1.8				
650	1.4	1.7	2.0				
700	1.5	1.8	2.1				
750	1.6	1.9					
800	1.7	2.0					
850	1.8						
900	1.9						
950	2.0						
1000	2.1						
1050	2.3						

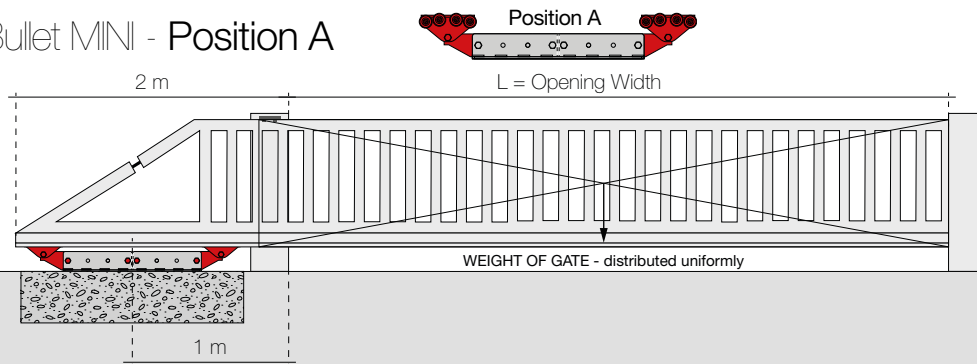


With sunken fixing plate the minimum length of FA is 2m

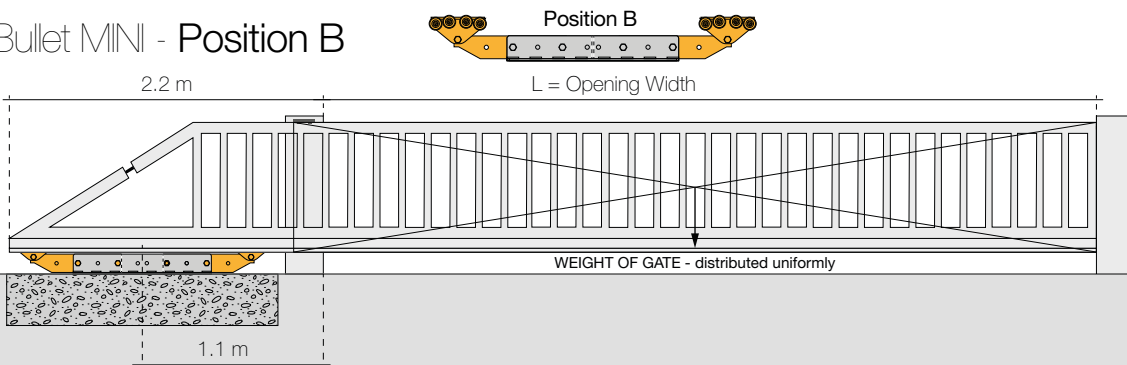
In caso di utilizzo della vasca di appoggio la misura FA minima è 2 m



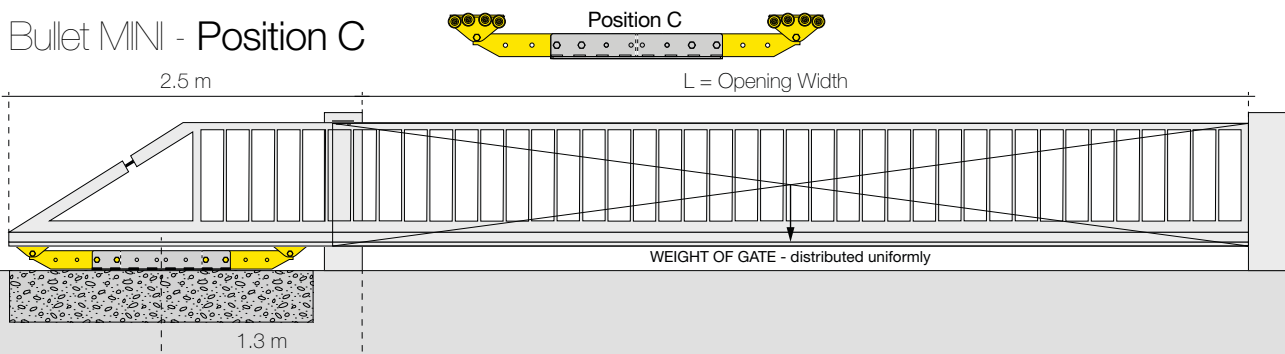
Bullet MINI - Position A



Bullet MINI - Position B



Bullet MINI - Position C



The automation must be installed at the centre of the mono carriage
L'automazione deve essere installata in corrispondenza dell'asse centrale del carrello

Bullet MINI Aluminium

PATENT PENDING

CGA-600.10 M

Adjustable Mini cantilever carriage with 10 wheels, Bullet system, for aluminium gate

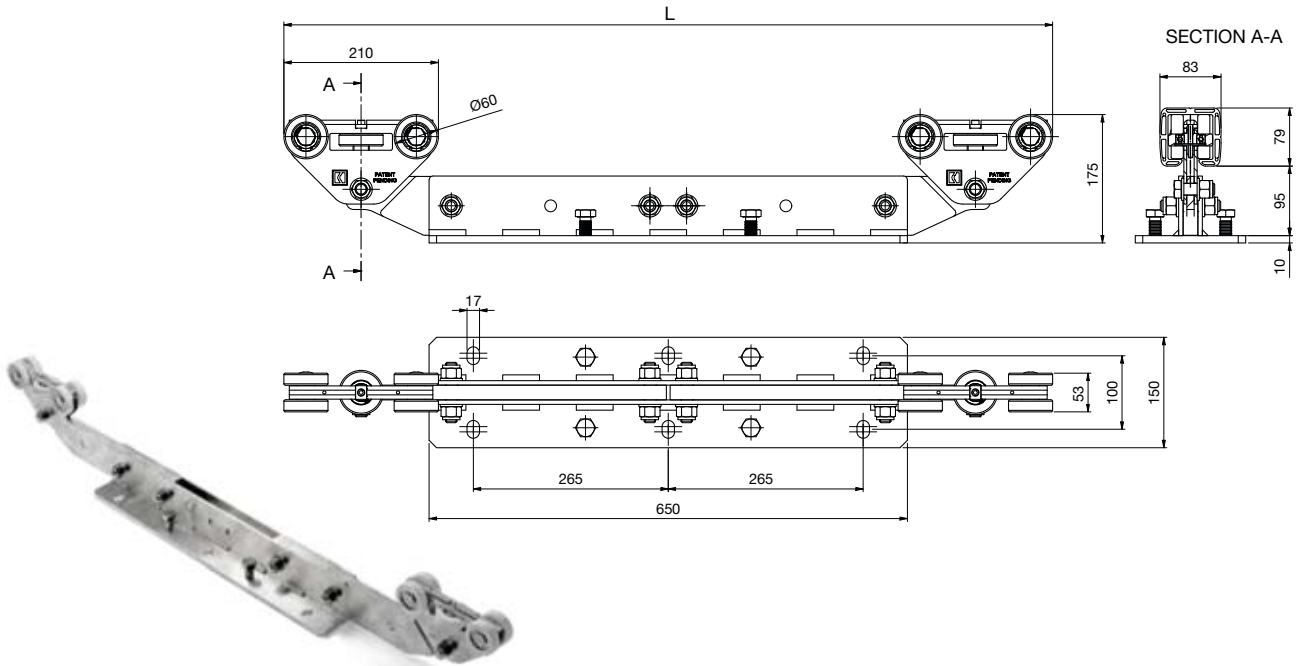
Carrello Bullet Mini regolabile a 10 ruote per serie alluminio

Chariot autoportant adjustable Mini avec 10 roues, système Bullet, pour portail en aluminium

Einstellbar Mini Laufwagen mit 10 Rädern, Bullet System für die Aluminum Serie

Carro ajustable autoportante Mini con 10 ruedas, sistema Bullet, por puertas en aluminio

Регулируемая тележка Bullet Mini с 10 колесами для люминиевой серии

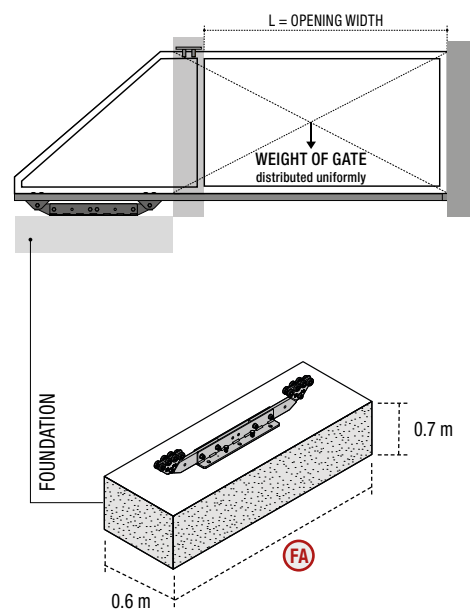


CODE	ART.	Size	L position A	L position B	Box info	
					Pcs per pack	Kg
10130402 001	CGA-600.10 M	Mini	1045	1315	1	27

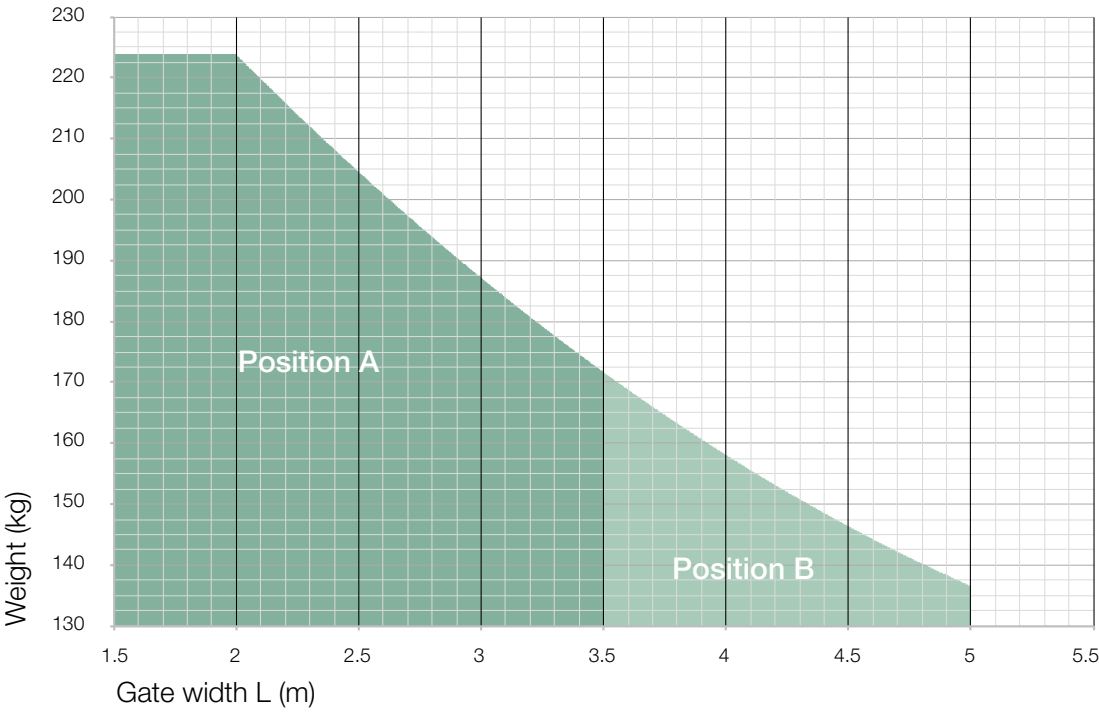
Minimum dimensions of the reinforced concrete casting
Dimensioni minime getto cemento armato

FOUNDATION CALCULATOR / CALCOLO FONDAZIONE

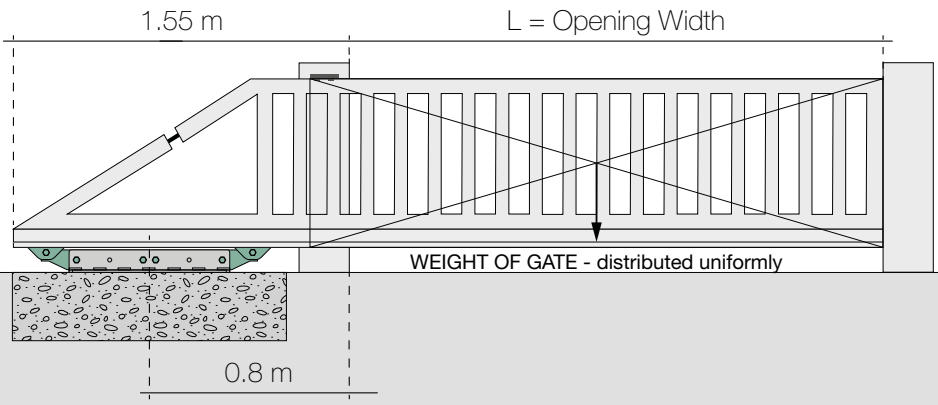
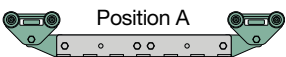
Weight (Kg)	POSITION A				POSITION B		
	L=2 m FA (m)	L=2.5 m FA (m)	L=3 m FA (m)	L=3.5 m FA (m)	L=4 m FA (m)	L=4.5 m FA (m)	L=5 m FA (m)
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1
125	1.1	1.1	1.1	1.1	1.1	1.2	1.2
150	1.1	1.1	1.1	1.1	1.1	1.2	
175	1.1	1.1	1.1	1.2			
200	1.1	1.1					
225	1.1						



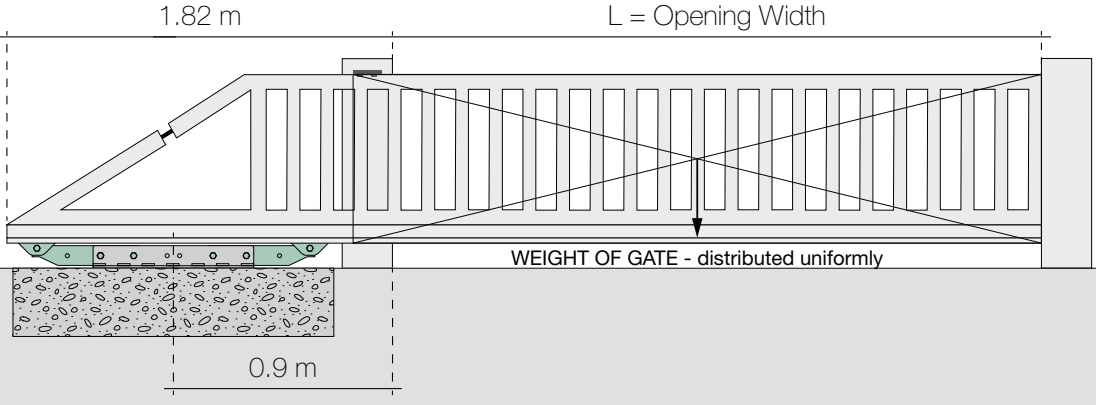
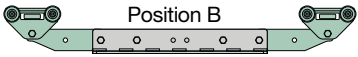
With sunken fixing plate the minimum length of FA is 1.5 m
In caso di utilizzo della vasca di appoggio la misura FA minima è 1.5 m



Bullet MINI - Position A



Bullet MINI - Position B



The automation must be installed at the centre of the mono carriage
 L'automazione deve essere installata in corrispondenza dell'asse centrale del carrello

Bullet PICCOLO Aluminium PATENT PENDING

CGA-600.10 P

Adjustable Piccolo cantilever carriage with 10 wheels, Bullet system, for aluminium gate

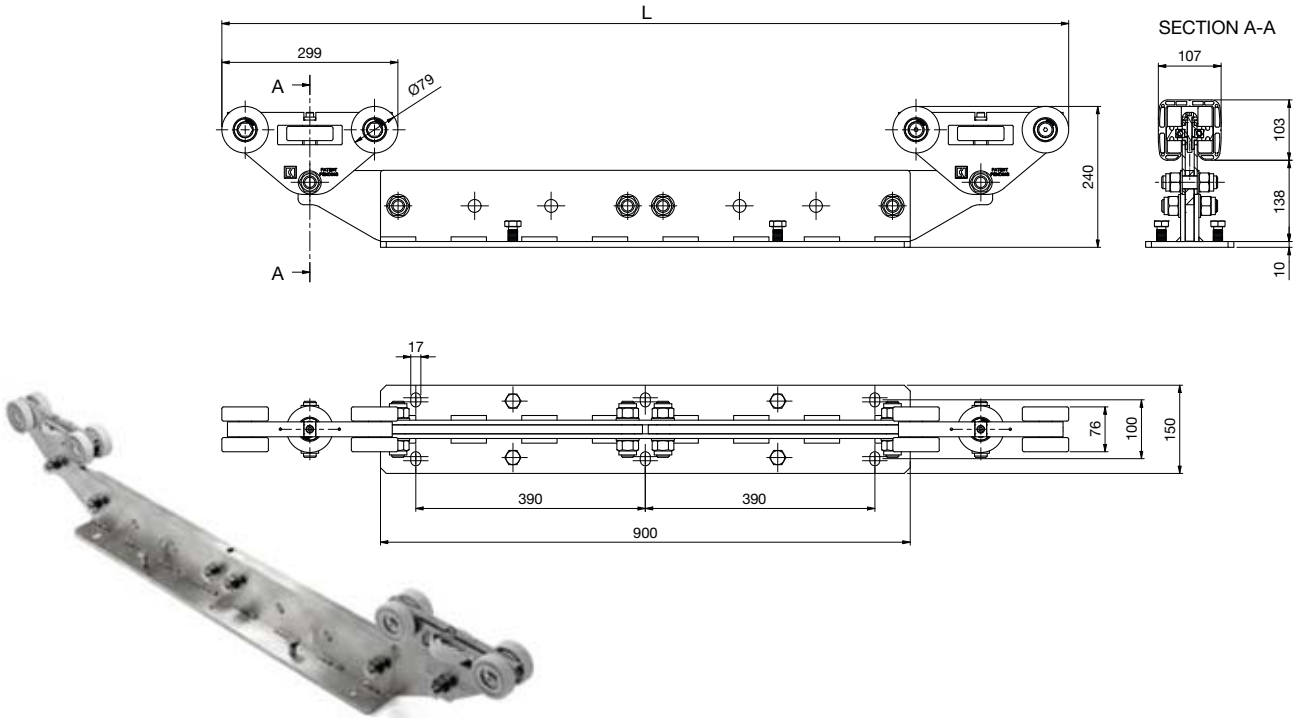
Carrello Bullet Piccolo regolabile a 10 ruote per serie alluminio

Chariot autoportant adjustable Piccolo avec 10 roues, système Bullet, pour portail en aluminium

Einstellbar Piccolo Laufwagen mit 10 Rädern, Bullet System für die Aluminum Serie

Carro ajustable autoportante pequeño con 10 ruedas, sistema Bullet, por puertas en aluminio

Регулируемая тележка Bullet Piccolo с 10 колесами для люминиевой серии

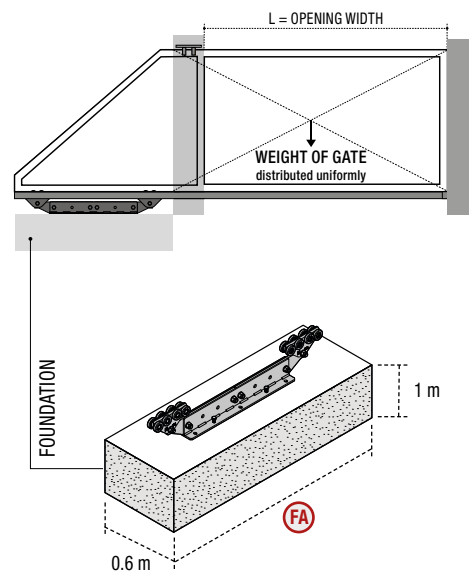


CODE	ART.	Size	L position A	L position B	L position C	Box info	
						Pcs per pack	Kg
10130403 001	CGA-600.10 P	Piccolo	1439	1699	1959	1	49

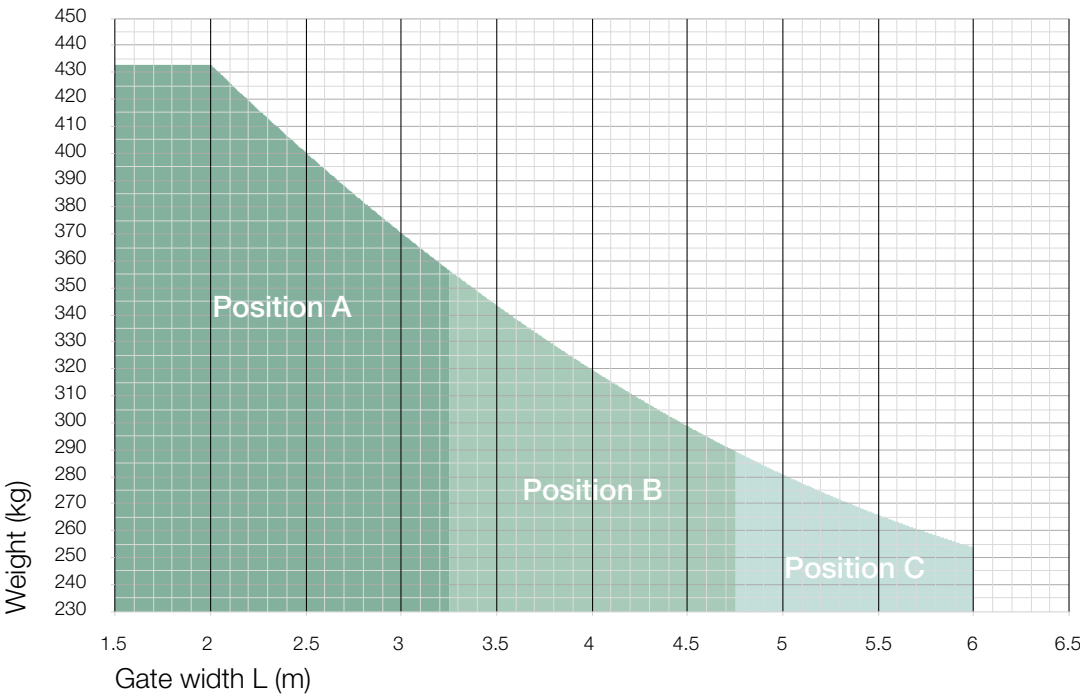
Minimum dimensions of the reinforced concrete casting
Dimensioni minime getto cemento armato

FOUNDATION CALCULATOR / CALCOLO FONDAZIONE

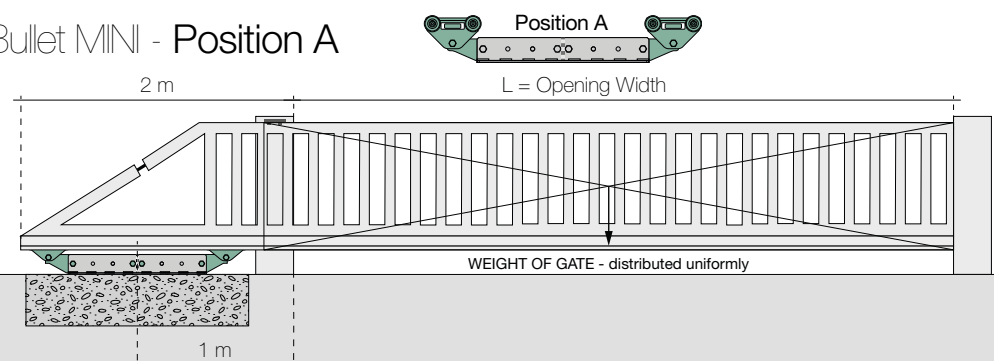
	POSITION A			POSITION B			POSITION C		
	L=2 m	L=2.5 m	L=3 m	L=3.5 m	L=4 m	L=4.5 m	L=5 m	L=5.5 m	L=6 m
Weight (Kg)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)	FA (m)
100	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
125	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
175	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
200	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
225	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
250	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
275	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
300	1.3	1.3	1.3	1.3	1.3				
325	1.3	1.3	1.3	1.3					
350	1.3	1.3	1.3						
375	1.3	1.3							
400	1.3	1.3							
425	1.3								



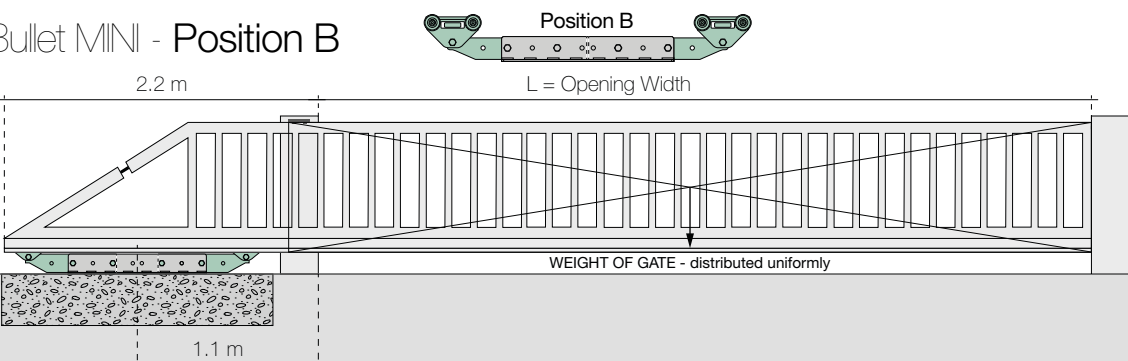
With sunken fixing plate the minimum length of FA is 2m
In caso di utilizzo della vasca di appoggio la misura FA minima è 2 m



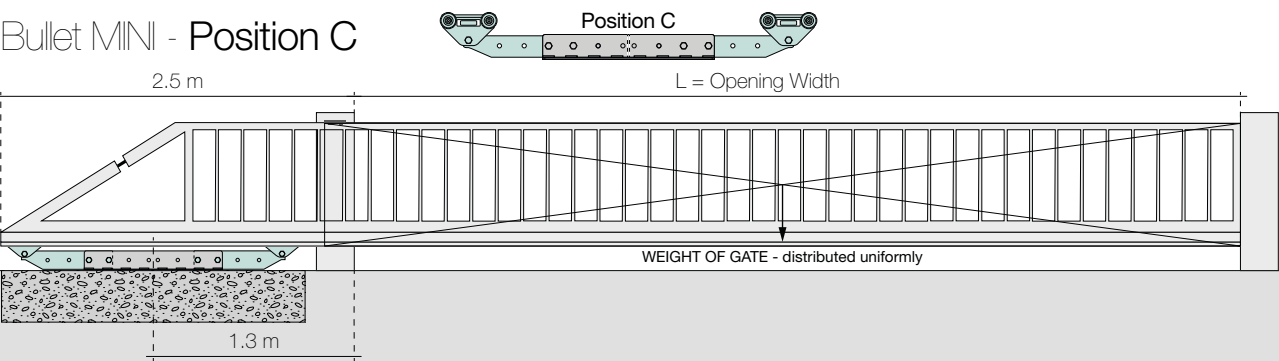
Bullet MINI - Position A



Bullet MINI - Position B



Bullet MINI - Position C



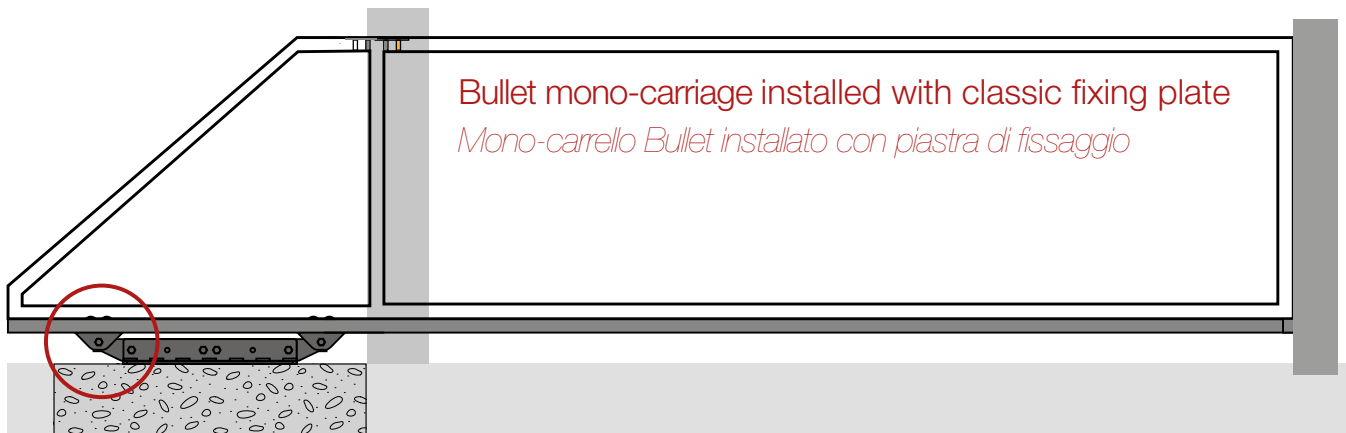
The automation must be installed at the centre of the mono carriage
L'automazione deve essere installata in corrispondenza dell'asse centrale del carrello

Classic fixing plate

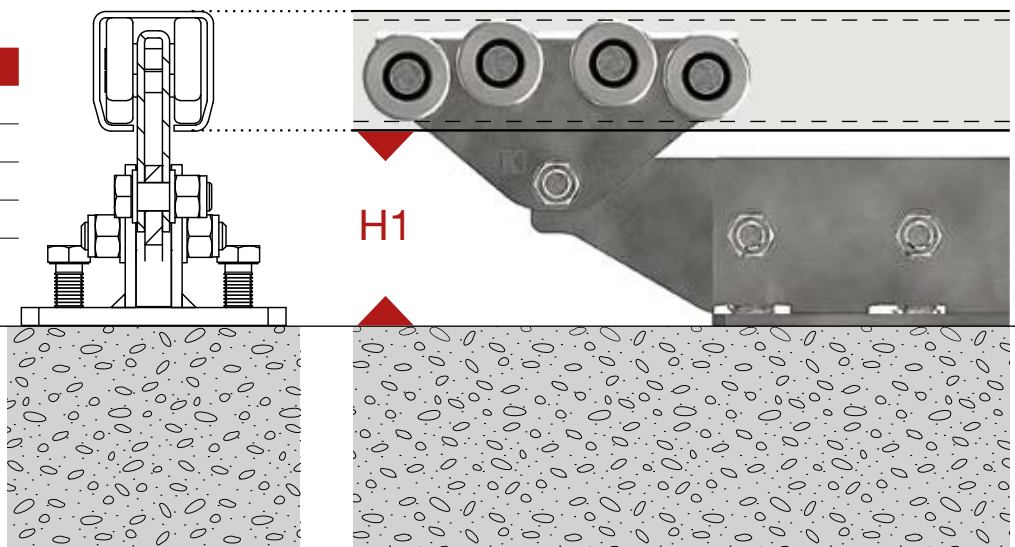
Piastra di fissaggio

The Bullet mono carriage can be surface fixed to classic Comunello anchor plates for both the Mini size or the Piccolo size.

Il monocarrello Bullet può essere fissato in superficie utilizzando la piastra di fissaggio Comunello sia per il sistema Mini che per il sistema Piccolo.



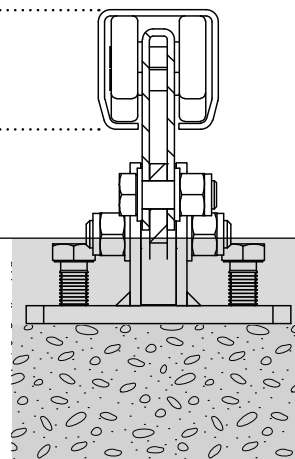
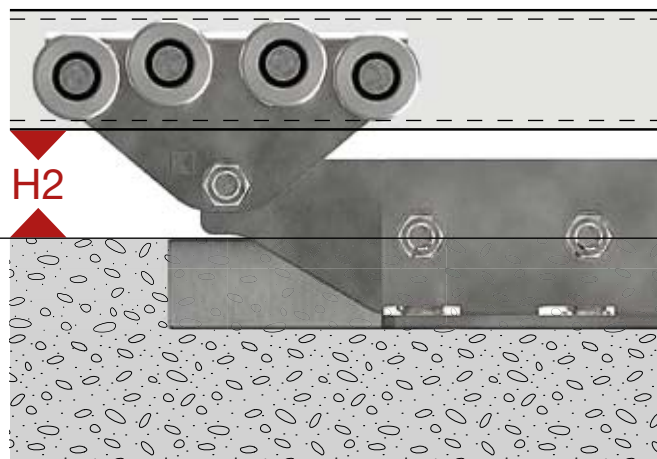
Bullet mono-carriage	H1 mm
CGS-600.16 M	110
CGS-600.16 P	155
CGA-600.16 M	105
CGA-600.16 P	148



The sunken fixing plate for low clearance installations. *Base di contenimento carrello per un assetto ribassato*

The sunken fixing plate allows the entire system to be lowered up to 35 mm (Mini) or 70 mm (Piccolo) into the foundation block. This allows the gate to have a low clearance opening for architecturally minimal solutions or in the case of increased security. The sunken fixing plate is supplied with drainage holes that allow any rain water to be carried under ground and away from the foundations. All components have a high quality galvanised finish.

La vasca di fissaggio permette all'intero sistema di essere installato ad una profondità inferiore rispetto all'installazione superficiale, fino a 35 mm per il sistema Mini e fino a 70 mm per il sistema Piccolo. Questo garantisce al cancello un aspetto dall'assetto ribassato e di conseguenza una soluzione architettonica dal design minimal e inoltre una sicurezza maggiore. La vasca di fissaggio è dotata di fori che permettono all'acqua piovana di essere condotta sottoterra lontano dalle fondamenta. Tutti i componenti hanno una finitura galvanizzata di alta qualità.



Bullet mono-carriage	H2 mm
CGS-600.16 M	75
CGS-600.16 P	86
CGA-600.16 M	70
CGA-600.16 P	79

Bullet Accessories

CG-60

Sunken fixing plate for carriage, Bullet system

Base di contenimento carrello Bullet

Plaque de fixation à encaisser pour chariot, système Bullet

Eindämmungsplatte für Laufwagen, Bullet System

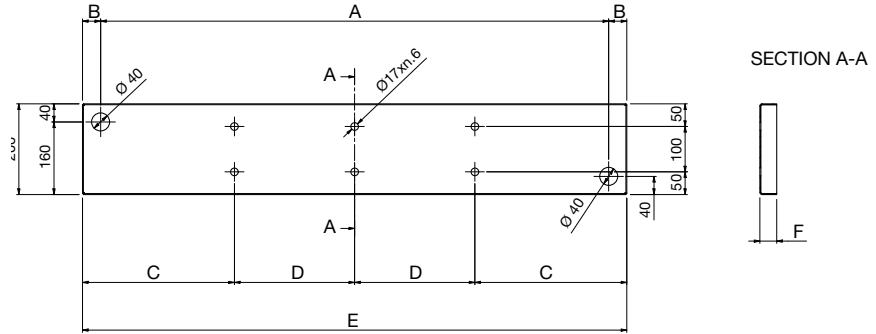
Placa de fijación a cementar para carro, sistema Bullet

Заглубленная крепежная пластина для тележек, система Bullet



CODE	ART.	Size	A	B	C	D	E	F	Box info	
									Pcs per pack	Kg
10130800 001	CG-60 M	Mini	1120	40	335	265	1200	37	1	5.2
10130801 001	CG-60 P	Piccolo	1660	45	485	390	1750	71	1	9.6

Finishing: Galvanized / Zincato



CG-06

Fixing plate for carriage, Bullet system

Contropiastra per fissaggio carrello Bullet

Plaque de fixation pour chariot, système Bullet

Klemmplatte für Laufwagen, Bullet System

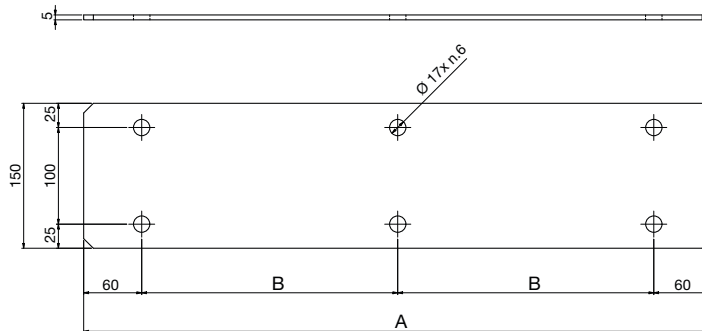
Placa de fijación a cementar para carro, sistema Bullet

Контрплита для тележек, система Bullet



CODE	ART.	Size	A	B	Box info	
					Pcs per pack	Kg
10131015 001	CG-06 M	Mini	650	265	1	3.8
10131020 001	CG-06 P	Piccolo	900	390	1	5.2

Finishing: Galvanized / Zincato



CG-65

Threaded tie rods for Mini and Piccolo carriages, Bullet system

Ancoranti per carrello Bullet Mini e Piccolo

Tirants filetés pour chariots Mini et Piccolo, système Bullet

Gewindestange für Mini und Piccolo Laufwagen, Bullet System

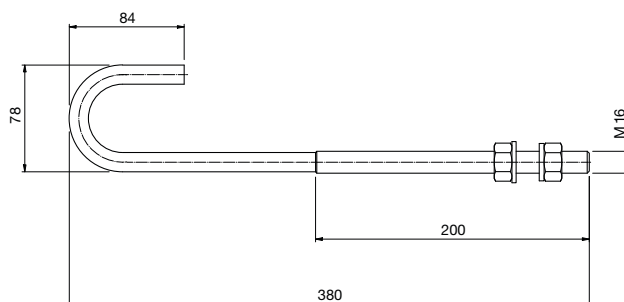
Anclajes roscados por carros Mini y Piccolo, sistema Bullet

Резьбовое анкерное крепление для тележек Mini и Piccolo, система Bullet



CODE	ART.	Size	Box info	
			Pcs per pack	Kg
10130515 001	CG-65	M&P	6	0.75

Finishing: Galvanized / Zincato



Bullet Compatible Aluminium Accessories

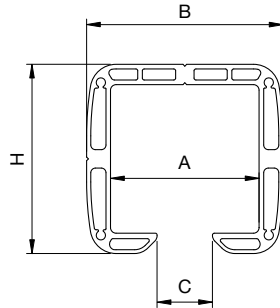
CGA-345

Monorail in extruded aluminium for cantilever gates
Monorotaia in alluminio estruso per cancelli auto-portanti
Rail en aluminium extrudé pour portails autoportants
Einfachschiene aus fließgepresstem Aluminium für selbsttragende Tore
Monocaril de aluminio extruido para puertas autoportantes
Монорельс из экструдированного алюминия для самонесущих ворот



CODE	ART.	Size	Finishing	A	B	C	H	L	Box info	
									Pcs per pack	Kg
10208001	CGA-345M	Mini	Raw	61	83	23	79	3000	1	12.00
10208003	CGA-345M	Mini	Raw	61	83	23	79	6000	1	24.00
10208005	CGA-345P	Piccolo	Raw	80.5	106.5	30	102.5	3000	1	16.00
10208007	CGA-345P	Piccolo	Raw	80.5	106.5	30	102.5	6000	1	32.00

Finishing: Aluminium / Alluminio



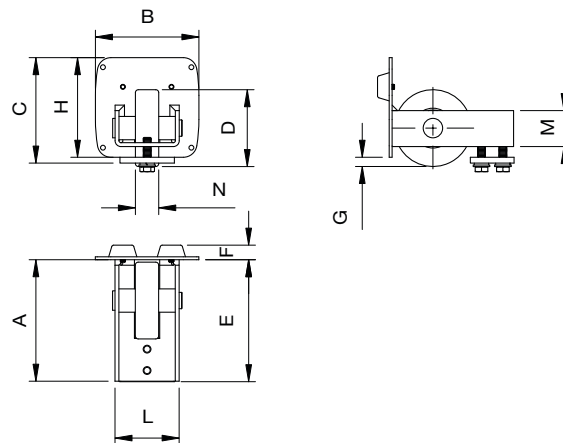
CGA-347

Nylon end wheel for aluminium monorail
Ruota terminale in nylon per monorotaia in alluminio
Galet d'extrémité en nylon pour rail en aluminium
Nylon-Endrolle für Einfachschiene aus Aluminium
Rueda terminal de nylon para monocaril de aluminio
Концевое колесо из нейлона для алюминиевого монорельса



CODE	ART.	Size	A	B	C	D	E	F	G	H	L	M	N	Box info	
														Pcs per pack	Kg
10705200 001	CGA-347M	Mini	119	83	83	Ø 66	119	16	7	79	45	32	15	2	2.10
10705205 001	CGA-347P	Piccolo	140	106.5	118	Ø 79	125	15	9.6	102.5	66	37	26	2	3.4

Finishing: Aluminium / Alluminio



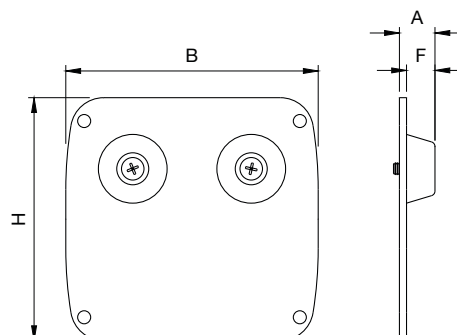
CGA-20

End stopper for aluminium monorail
Terminale per monorotaia in alluminio
Embout d'extrémité pour rail en aluminium
Endpfropfen für Einfachschiene aus Aluminium
Terminal para monocaril de aluminio
Наконечник для алюминиевого монорельса



CODE	ART.	Size	A	B	F	H	Box info	
							Pcs per pack	Kg
10707001 001	CGA-20M	Mini	16	83	12	79	2	0.44
10707005 001	CGA-20P	Piccolo	15	106.5	12	102.5	2	0.60

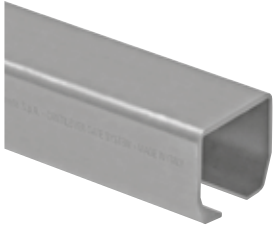
Finishing: Aluminium / Alluminio



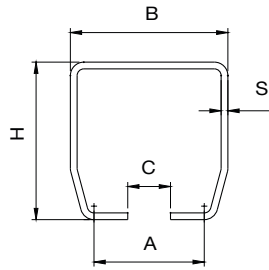
Compatible Cantilever Accessories

CGS-345

Monorail for cantilever gates
 Monorotaia per cancelli auto-portanti
 Rails pour portails autoportants
 Einfachschiene für selbsttragende Tore
 Monocarril para puertas autoportantes
 Моновель для самонесущих ворот



CODE	ART.	Size	Finishing	A	B	C	H	S	L	Box info	
										Pcs per pack	Kg
10207001	CGS-345M	Mini	Raw	48	68	23	68	3.5	3000	1	18.25
10207002	CGS-345M	Mini	Raw	48	68	23	68	3.5	6000	1	36.50
10207005	CGS-345P	Piccolo	Raw	66.5	100	33	89	5	3000	1	35.00
10207007	CGS-345P	Piccolo	Raw	66.5	100	33	89	5	6000	1	70.00
10207001 001	CGS-345M	Mini	Zinc	48	68	23	68	3.5	3000	1	18.25
10207002 001	CGS-345M	Mini	Zinc	48	68	23	68	3.5	6000	1	36.50
10207005 001	CGS-345P	Piccolo	Zinc	66.5	100	33	89	5	3000	1	35.00
10207007 001	CGS-345P	Piccolo	Zinc	66.5	100	33	89	5	6000	1	70.00



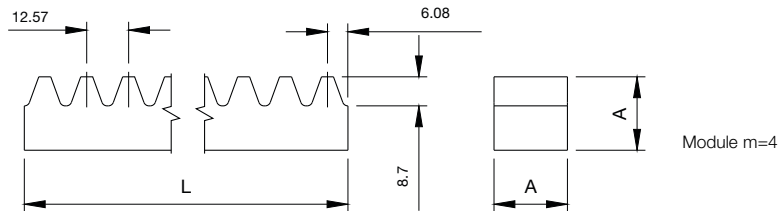
260

Square rack
 Cremagliera quadra
 Crémaillère carrée
 Viereckige Zahnstange
 Cremallera cuadrada
 Зубчатая рейка квадратная



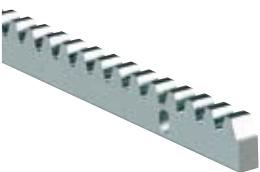
CODE	ART.	Size	A	L	Box info	
					Pcs per pack	Kg
11400505 001	260-22x22	L=1000	22	1000	1	3.10

Finishing: Galvanized / Zincato



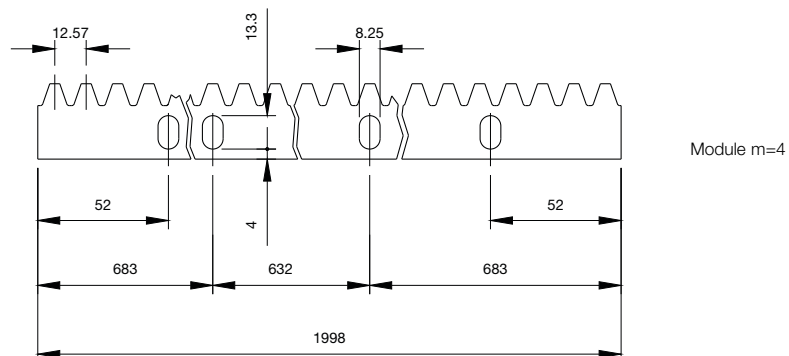
262

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



261

Nylon-rack with steel body

Cremagliera in nylon e corpo in acciaio

Crémaillère en nylon avec corps en acier

Nylon-Zahnstange mit Stahlkörper

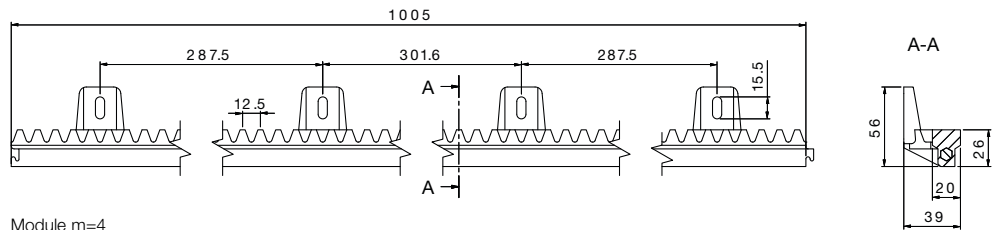
Cremallera de nylon y cuerpo de acero

Зубчатая рейка из нейлона и корпус из нержавеющей стали



CODE	ART.	Size	Box info	
			Pcs per pack	Kg
11400102	261-26x20	L=1000	1	1.10

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

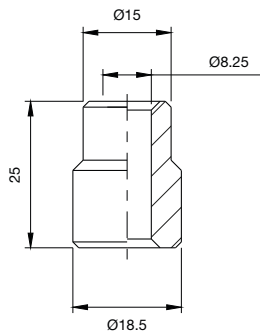
Fijación para soldar para cremallera rectangular

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 zamak pour crémaillère rectangulaire

Zamak-Distanzstück für rechteckige Zahnstange

Fijación de zamak para cremallera rectangular

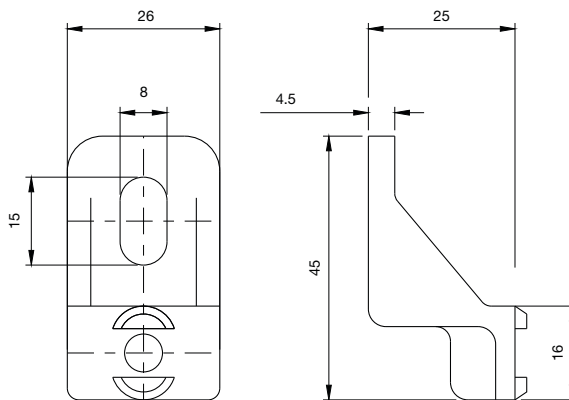
Соединение из сплава зата для прямоугольной

зубчатой рейки



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

Finishing: Galvanized / Zincato



Compatible Cantilever Accessories

CGS-346

Bottom end cup to be fixed

Incontro inferiore a fissare

Butée inférieure à fixer

Unterauflageschuh zum Aufschrauben

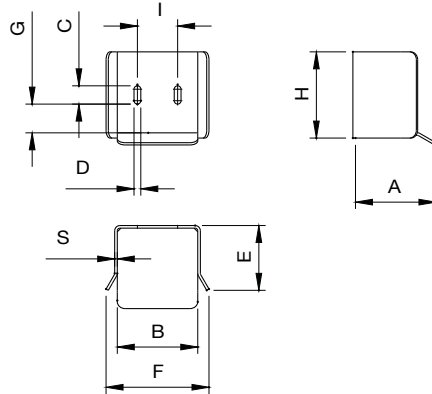
Encuentro inferior para fijar

Прикрепляемый нижний упор



CODE	ART.	Size	A	B	C	D	E	F	G	H	I	S	Box info	
													Pcs per pack	Kg
10705501 001	CGS-346M	Mini	104	78	25	9	75	114	25	91	38	4	2	2.3
10705505 001	CGS-346P	Piccolo	119	112	30	11	84	154	33	112	50	4	2	3.6

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 Auflageschuh

Placa angular regulable fijación a la pared para

encuentro

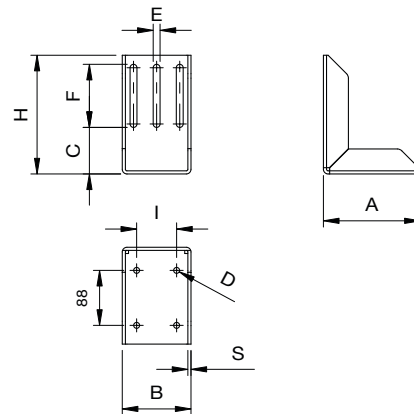
Угловой регулируемый кронштейн крепления

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



CGS-347

End wheel for monorail

Ruota terminale per monorotaia

Galet d'extrémité pour rail

Endrad für Einfachschiene

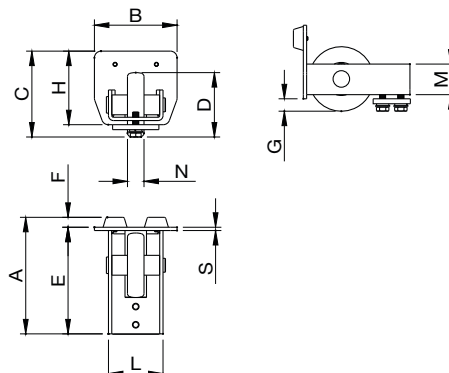
Rueda terminal para monocarril

Концевое колесо монорельса



CODE	ART.	A	B	C	D	E	F	G	H	L	M	N	S	Box info	
														Pcs per pack	Kg
10705001 001	CGS-347M	135	68	82.5	∅ 68	123	12	14.5	68	45	32	15	4	2	2.00
10705005 001	CGS-347P	141	100	104	∅ 78	129	12	15	89	66	37	20	4	2	3.40

Finishing: Galvanized / Zincato



CG-20

End stopper without wheel for monorail

Terminale senza ruota per monorotaia

Embout d'extrémité sans galet pour rail

Endpfropfen für Einfachschiene ohne Rad

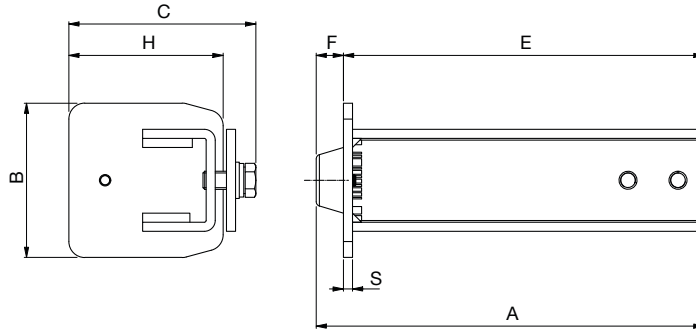
Terminal sin rueda para monocarril

Наконечник без колеса для монорельса



CODE	ART.	Size	A	B	C	E	F	H	S	Box info	
										Pcs per pack	Kg
10707101 001	CG-20M	Mini	68	68	78	155	12	68	4	2	1.20
10707105 001	CG-20P	Piccolo	100	100	105	155	12	89	4	2	1.80

Finishing: Galvanized / Zincato



CG-21

End stopper without wheel for monorail

Terminale senza ruota per monorotaia

Embout d'extrémité sans galet pour rail

Endpfropfen für Einfachschiene ohne Rad

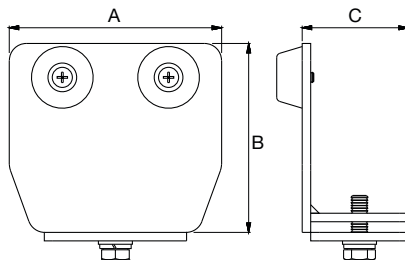
Terminal sin rueda para monocarril

Наконечник без колеса для монорельса



CODE	ART.	Size	A	B	C	Box info	
						Pcs per pack	Kg
10707115 001	CG-21M	Mini	68	68	49	4	1.30
10707120 001	CG-21P	Piccolo	100	89	50	4	1.70

Finishing: Galvanized / Zincato



CG-40

Tension bar for gate regulation

Tirante in acciaio zincato per regolazioni

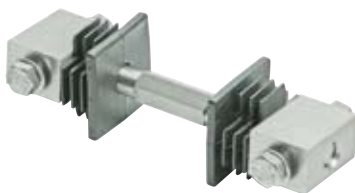
cancelli

Tirants pour réglage portails

Ankerbolzen zur Torregulierung

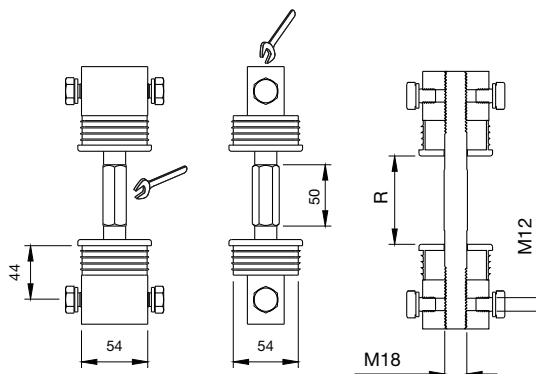
Tensores de acero galvanizado para regulaciones puertas

Тяга из оцинкованной стали для регулирования ворот



CODE	ART.	R		Box info	
				Pcs per pack	Kg
10131400 001	CG-40	50-100	19	1	1.30

Finishing: Galvanized / Zincato



Compatible Cantilever Accessories

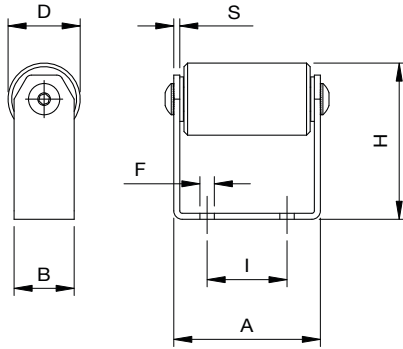
CG-25

Lower end cup with nylon roller
Incontro inferiore con rullo in nylon
Butée inférieure avec rouleau en nylon
Unterauflegesohuh mit Nylonrolle
Encuentro inferior con rodillo de nylon
Нижний упор с нейлоновый роликом



CODE	ART.	Size	A	B	D	F	H	I	S	Box info	
										Pcs per pack	Kg
10707501 001	CG-25M	Mini	80	40	∅ 50	8.5	115	45	5	2	1.30
10707505 001	CG-25P	Piccolo	122	50	∅ 60	11	130	75	5	2	2.60

Finishing: Galvanized / Zincato



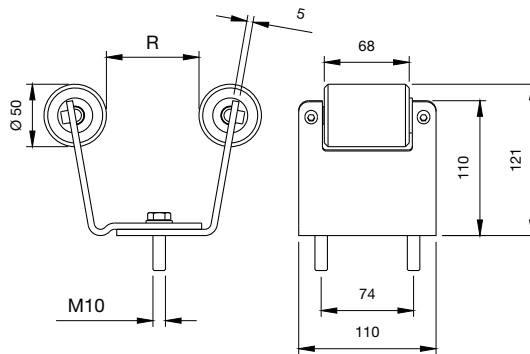
CG-30

Adjustable end cup to be fixed for gates
Incontro per cancelli regolabile a fissare
Butée réglable à fixer pour portails
Verstellbarer Auflegesohuh 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

Finishing: Galvanized / Zincato



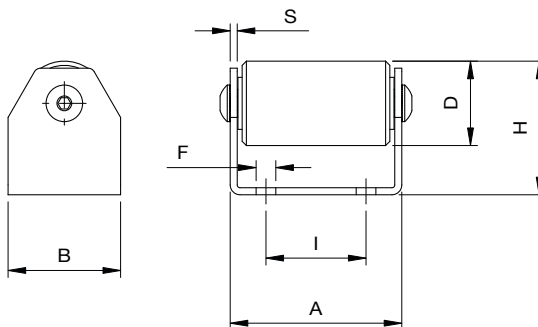
CG-35

Intermediate support with nylon roller
Supporto intermedio di sostegno con rullo in nylon
Support intermédiaire de soutien avec rouleau en nylon
Mittlerer Stütze für selbsttragende Tore
Soporte intermedio de sostén con rodillo de nylon
Промежуточная опора с нейлоновый роликом



CODE	ART.	A	B	D	F	H	I	S	Box info	
									Pcs per pack	Kg
10707705 001	CG-35P	122	80	∅ 60	17	95	70	5	1	1.40

Finishing: Galvanized / Zincato



CG-251

Adjustable gate guide plate to be fixed with long wing

Plastra guida cancello regolabile con ala lunga a fissare

Plaque guide portail réglable à fixer avec aile longue

Verstellbare Torführungsplatte mit langem Flügel zum Aufschrauben

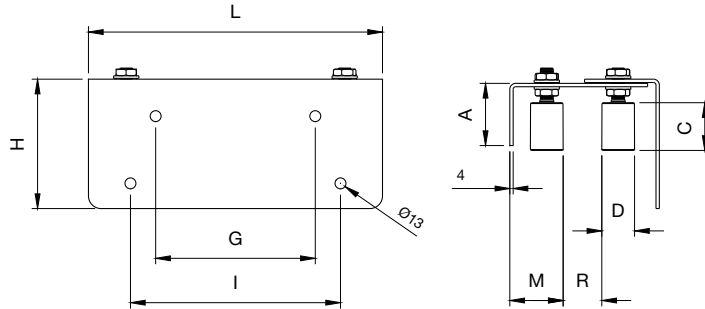
Placa de guía de la puerta regulable con ala larga para fijar

Пластина регулируемая направляющая ворот с длинной приклепываемой полкой



CODE	ART.	A	C	D	G	H	I	L	M	R	Box info	
											Pcs per pack	Kg
11310005 001	CG-251	74	58	Ø40	190	154	230	350	44-88	70-110	1	6.70

Finishing: Galvanized / Zincato



232

Nylon roller with accident prevention

Oliva in nylon con protezione antinfortunistica

Rouleau en nylon pour la prévention des accidents

Nylon-Führungsrolle für die Unfallverhütung

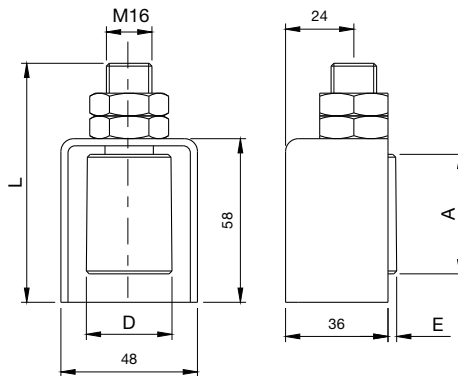
Rodillo de nylon con protección

Нейлоновый наконечник с защитой от несчастных случаев



CODE	ART.	A	B	D	I	H	Box info	
							Pcs per pack	Kg
11302210 001	232-30	40	Ø30	3	84	24	20	4.40
11302215 001	232-40	58	Ø39	7.5	98	24	20	5.90

Finishing: Galvanized / Zincato



252

Double adjustment plate to be screwed for gates with 2 columns

Plastra 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

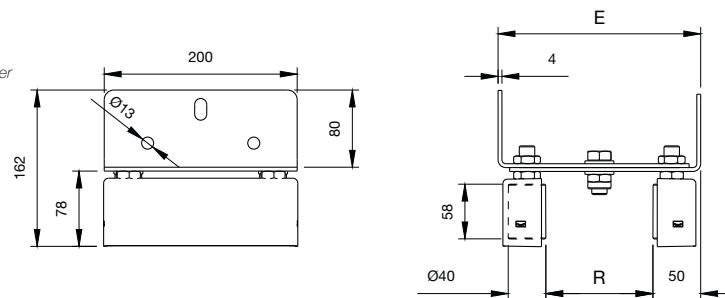
Placa doble regulación para fijar para puertas con dos columnas

Приклепываемая 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



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



RANGER

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"



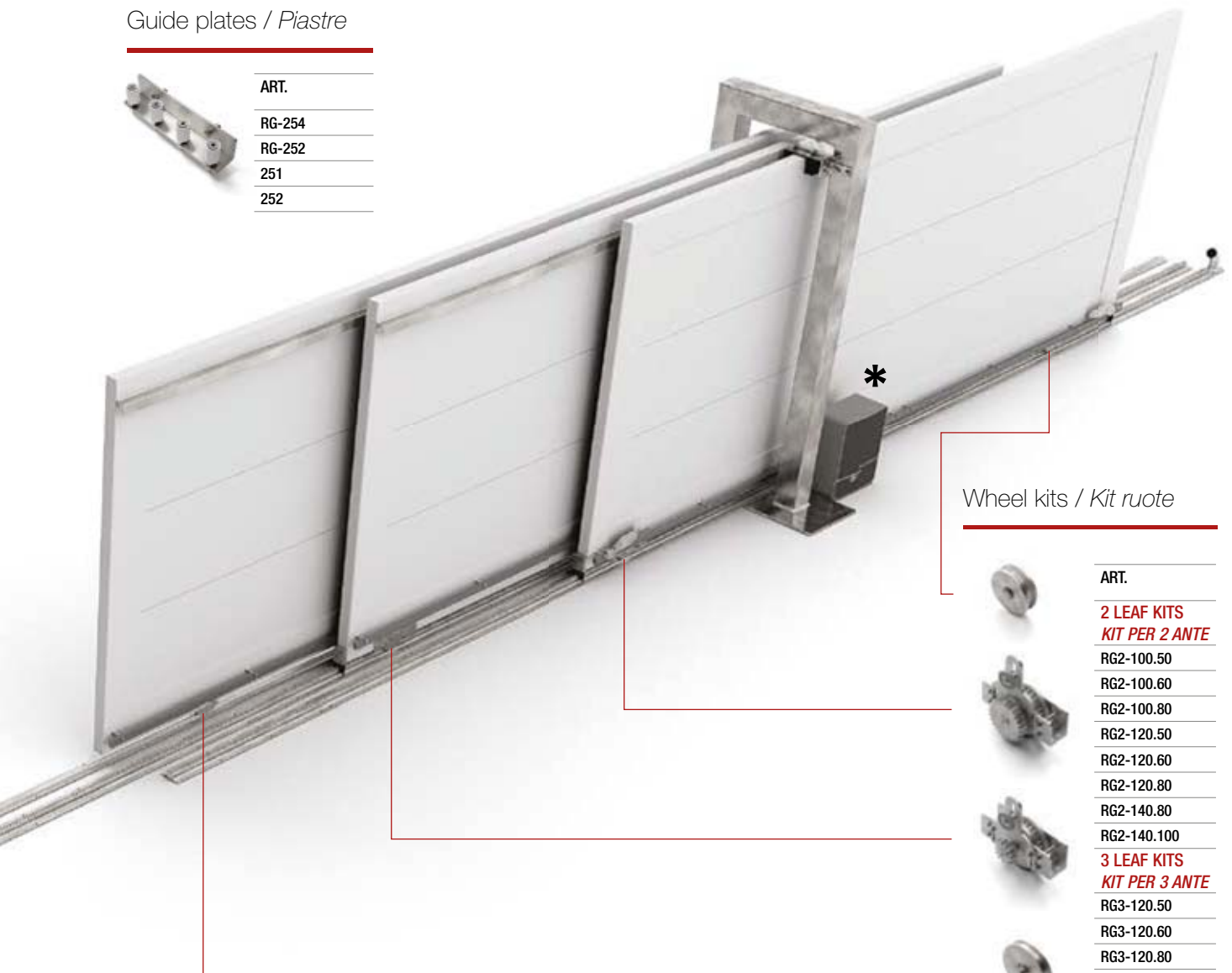
ART.

RG-387.3

RG-387.6

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

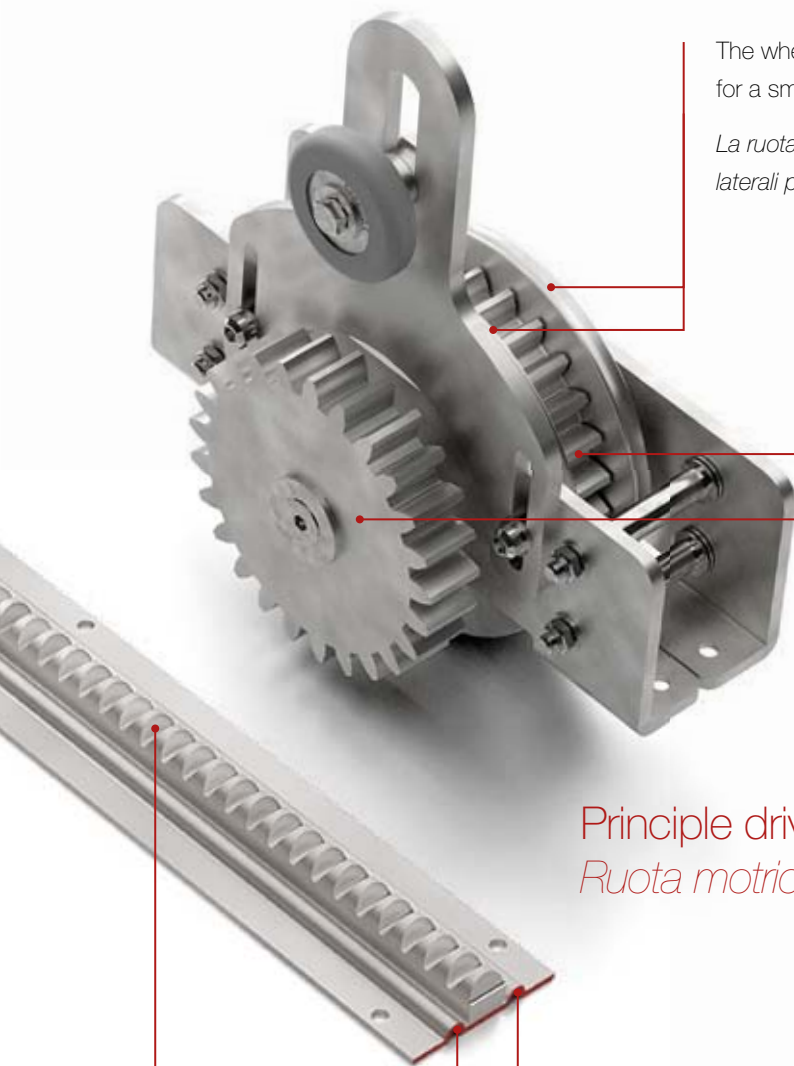
Speed reduction system
Sistema riduzione velocità

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

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

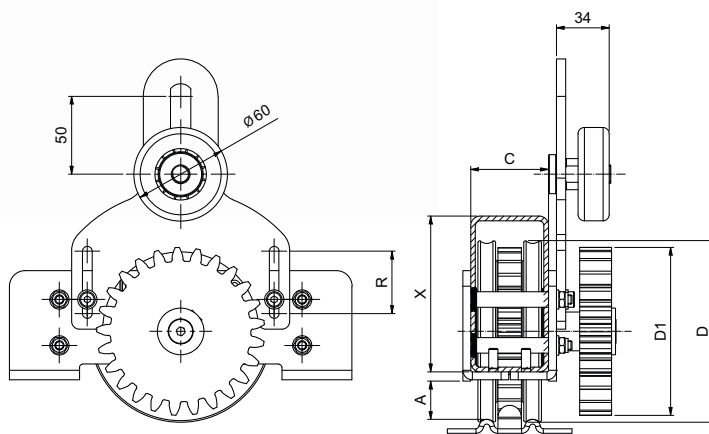
Ruota motrice principale per sistema a 2 e 3 ante

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.

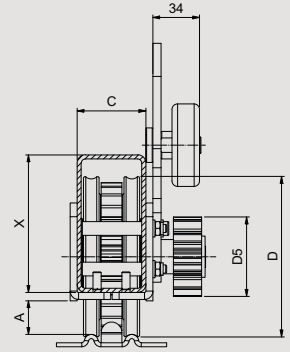
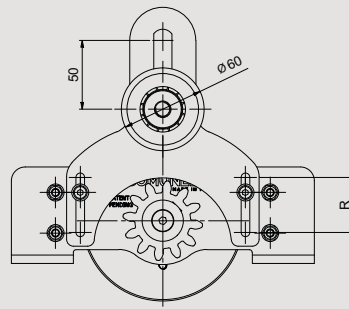


- D** = Wheel diameter / *Diametro ruota*
- C** = Internal width (wheel unit)
Larghezza interna (del supporto ruota)
- D1** = Pinion diameter
Diametro pignone
- X** = Minimum tube height
Altezza minima tubolare

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

Drive wheel with low ratio secondary pinion for 3 leaf systems

Ruota motrice ridotta per sistema a 3 ante

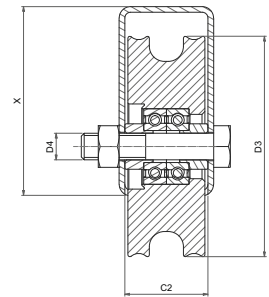
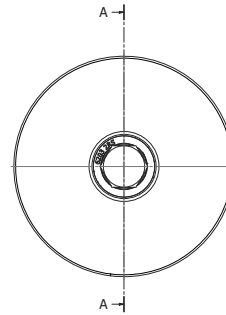


- D** = Wheel diameter / *Diametro ruota*
- C** = Internal width (wheel unit)
Larghezza interna (del supporto ruota)
- D5** = Pinion diameter / *Diametro pignone*
- X** = Minimum tube height / *Altezza minima tubolare*

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

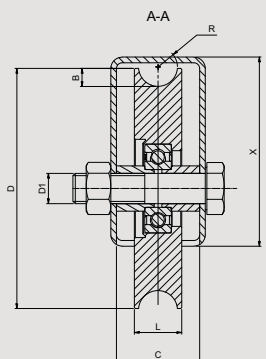
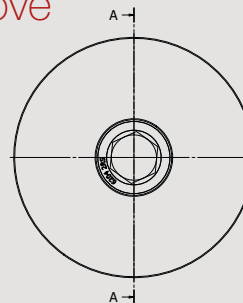


- D3** = Wheel diameter / *Diametro ruota*
- C2** = Internal tube width
Larghezza interna (del tubolare)
- D4** = Pin diameter / *Diametro perno*
- X** = Minimum tube height / *Altezza minima tubolare*

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

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

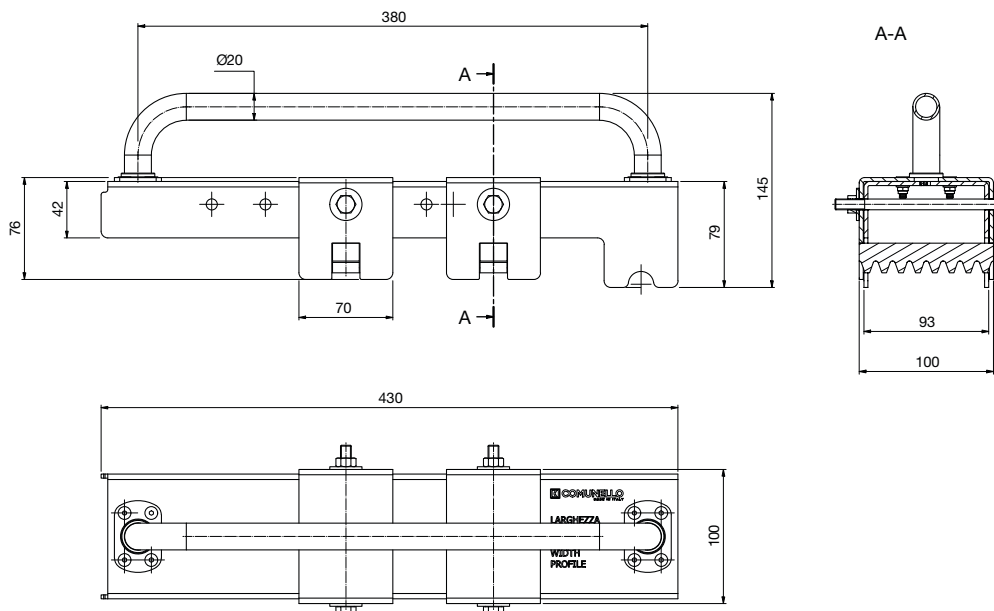
Kit dime per allineamento e posizionamento binari Ranger

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

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

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

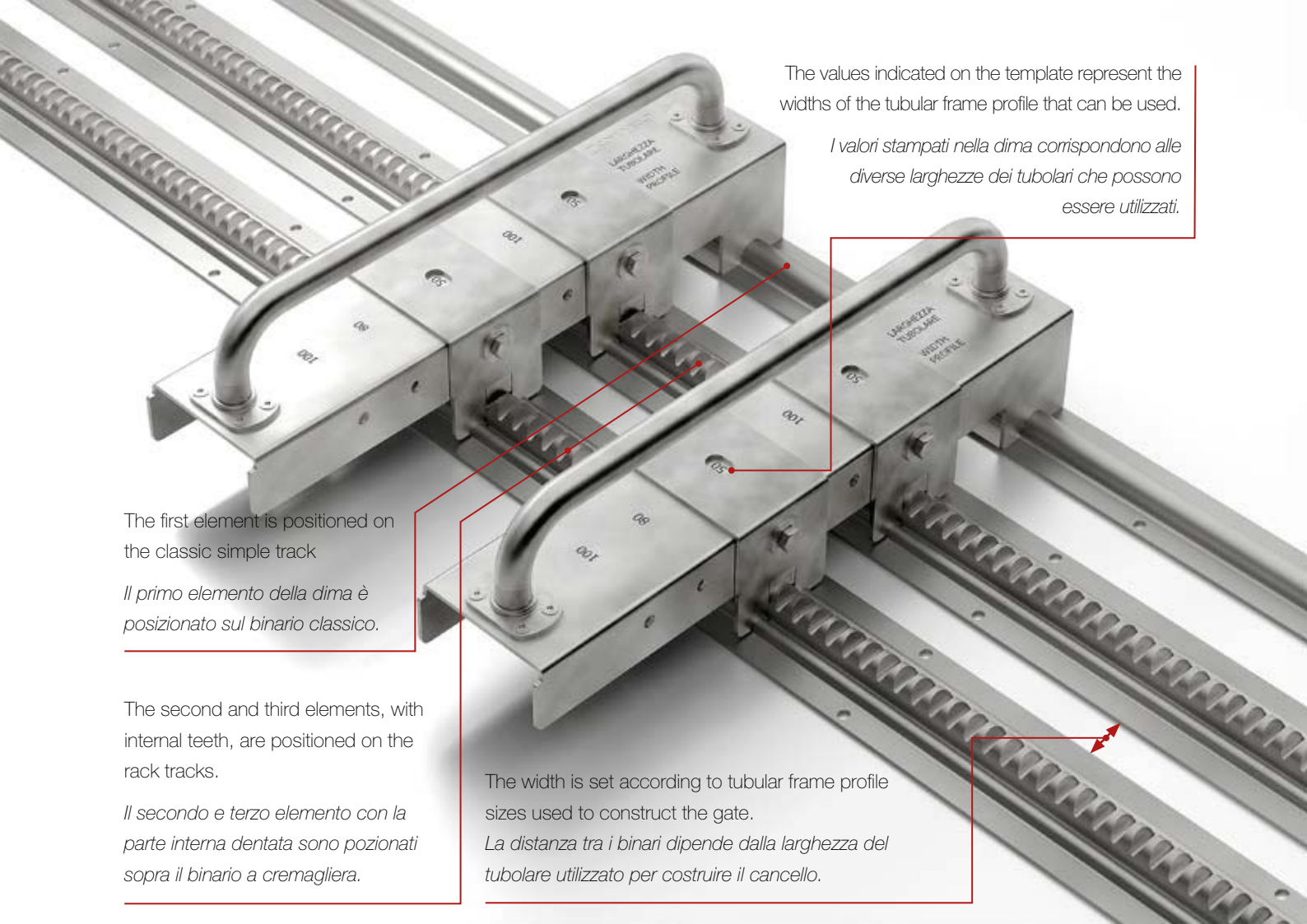
Комплект шаблонов выравнивания и размещения рельсов для системы Ranger



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.



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.



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 kit for wheel unit fixing

Kit 2 dime per fissaggio ruote

RG-20

Template kit for wheels fixation

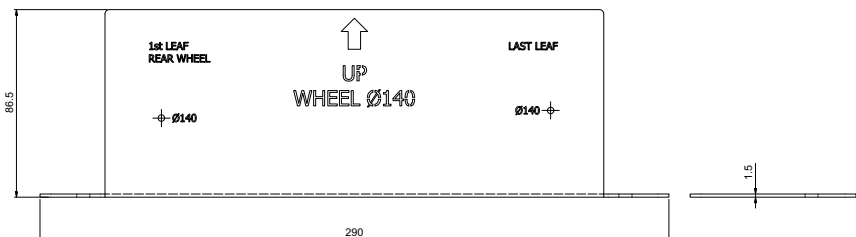
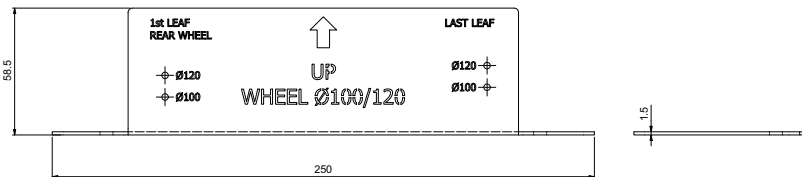
Kit dime per fissaggio ruote

Kit de gabarit pour la fixation des galets

Rädern Befestigung Schablone Kit

Kit de plantilla para fijación de ruedas

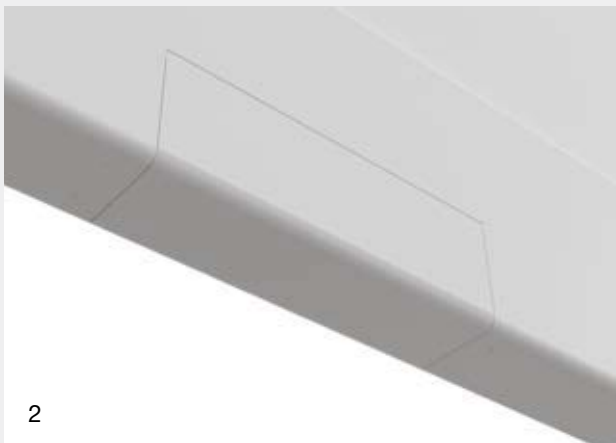
Комплект шаблонов выравнивания для колес



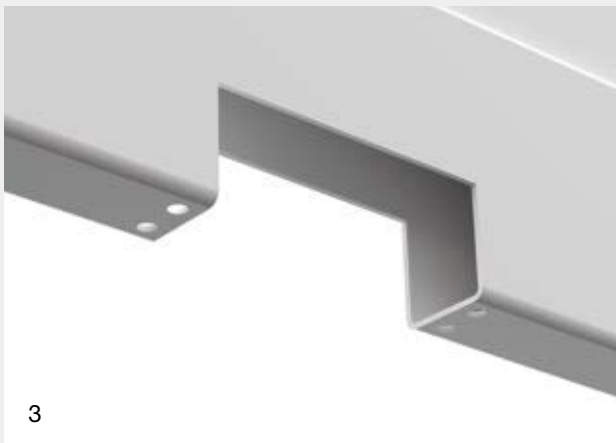
CODE	ART.	Box info	
		Pcs per pack	Kg
10131102 001	RG-20	1	0.9



Using the template mark the area to cut and drill
Utilizzare la dima 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

Ranger system components for **2 leaf** gates

Componenti del sistema Ranger per cancelli a 2 ante

Drive wheel
Ruota motrice



Free wheel
Ruota condotta

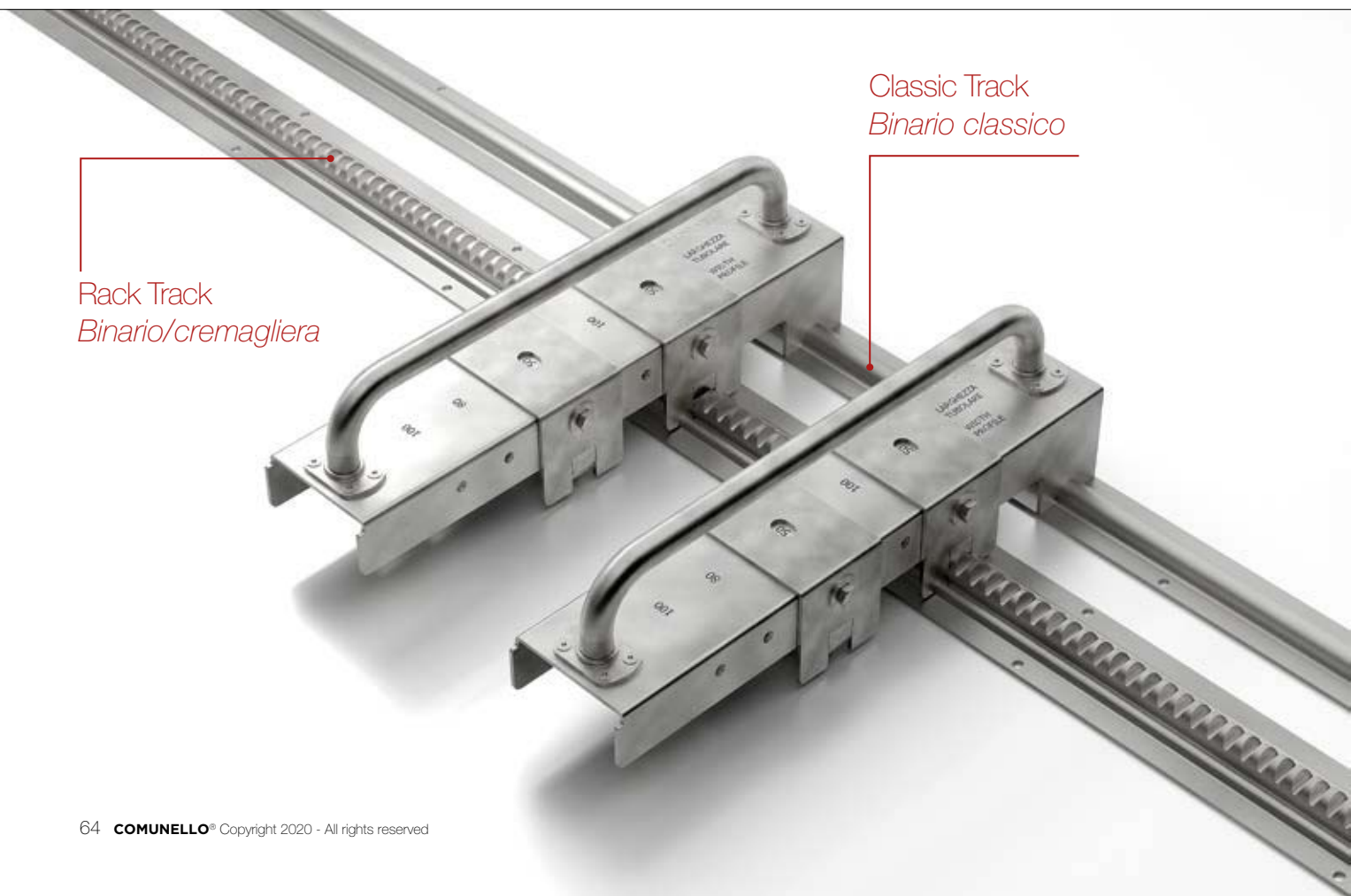


Standard wheel with half-rounded groove
Ruota standard gola semitonda



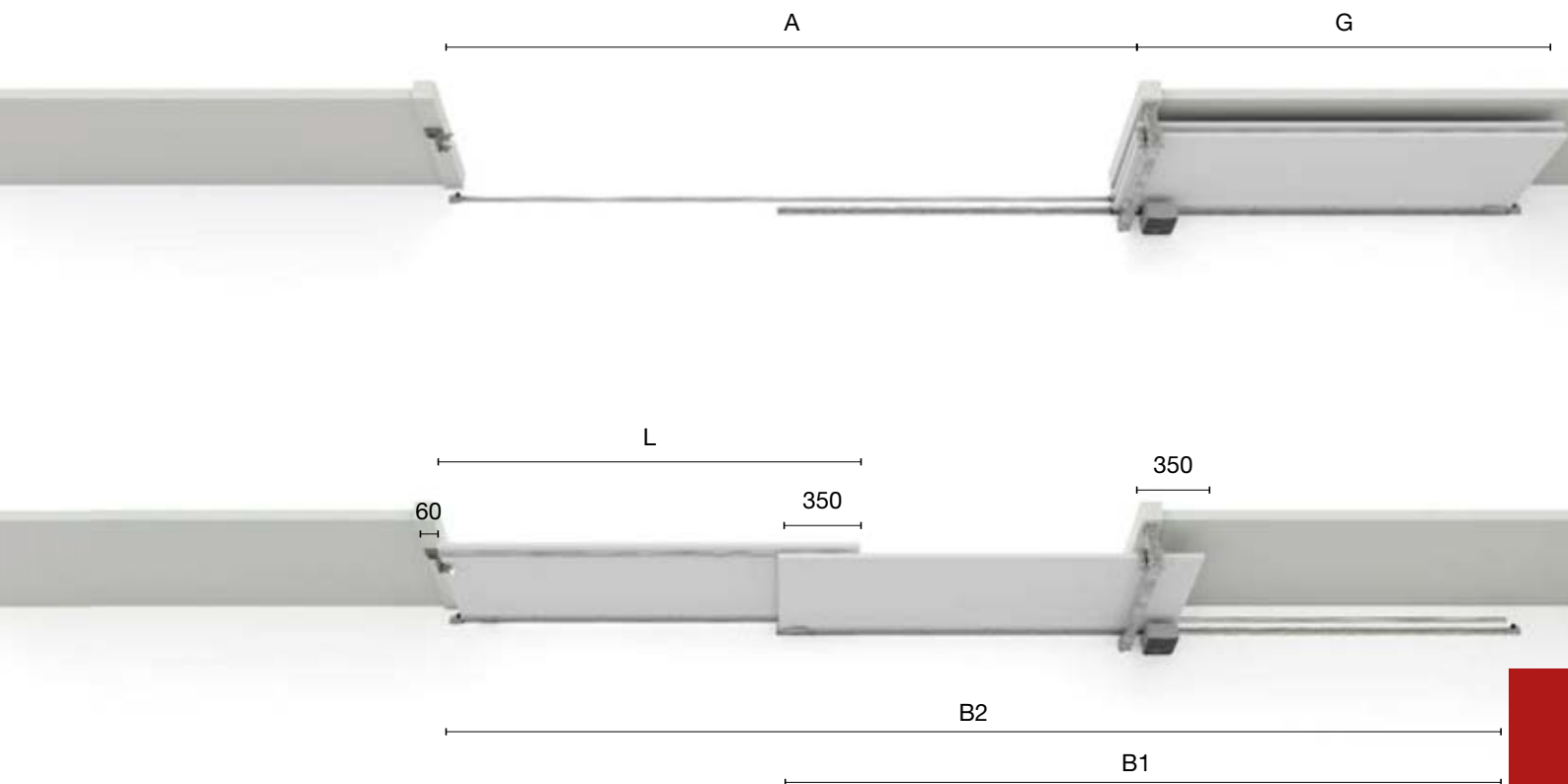
Rack Track
Binario/cremagliera

Classic Track
Binario classico



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

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

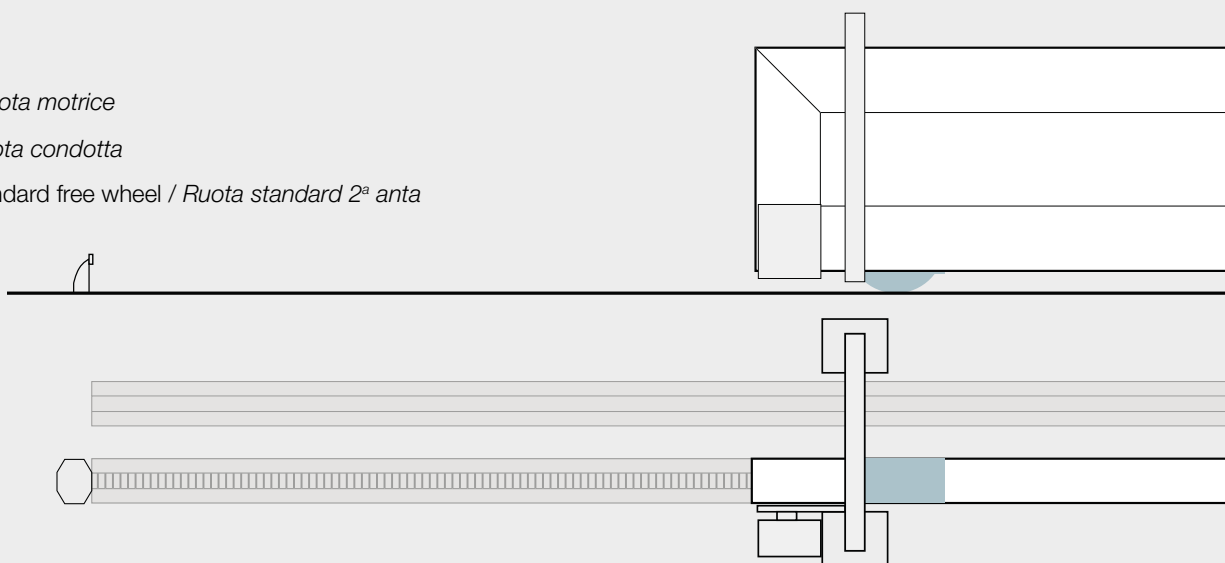
$$G \text{ min (m)} = L + 0.2$$

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

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

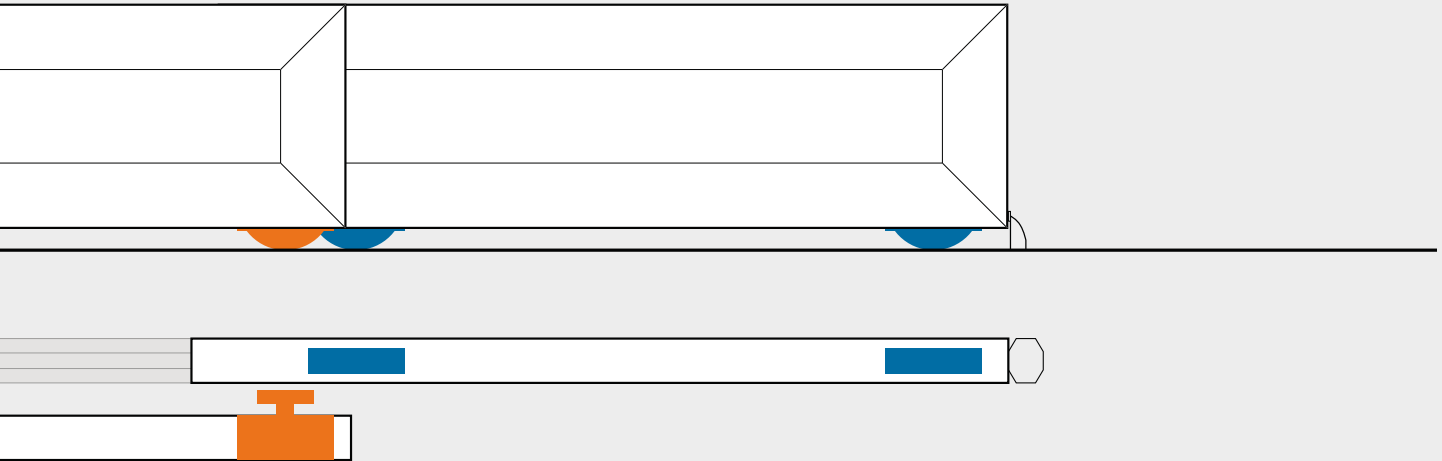
Ranger Wheel Kit for 2 leaf gates / Kit ruote

- 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 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 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

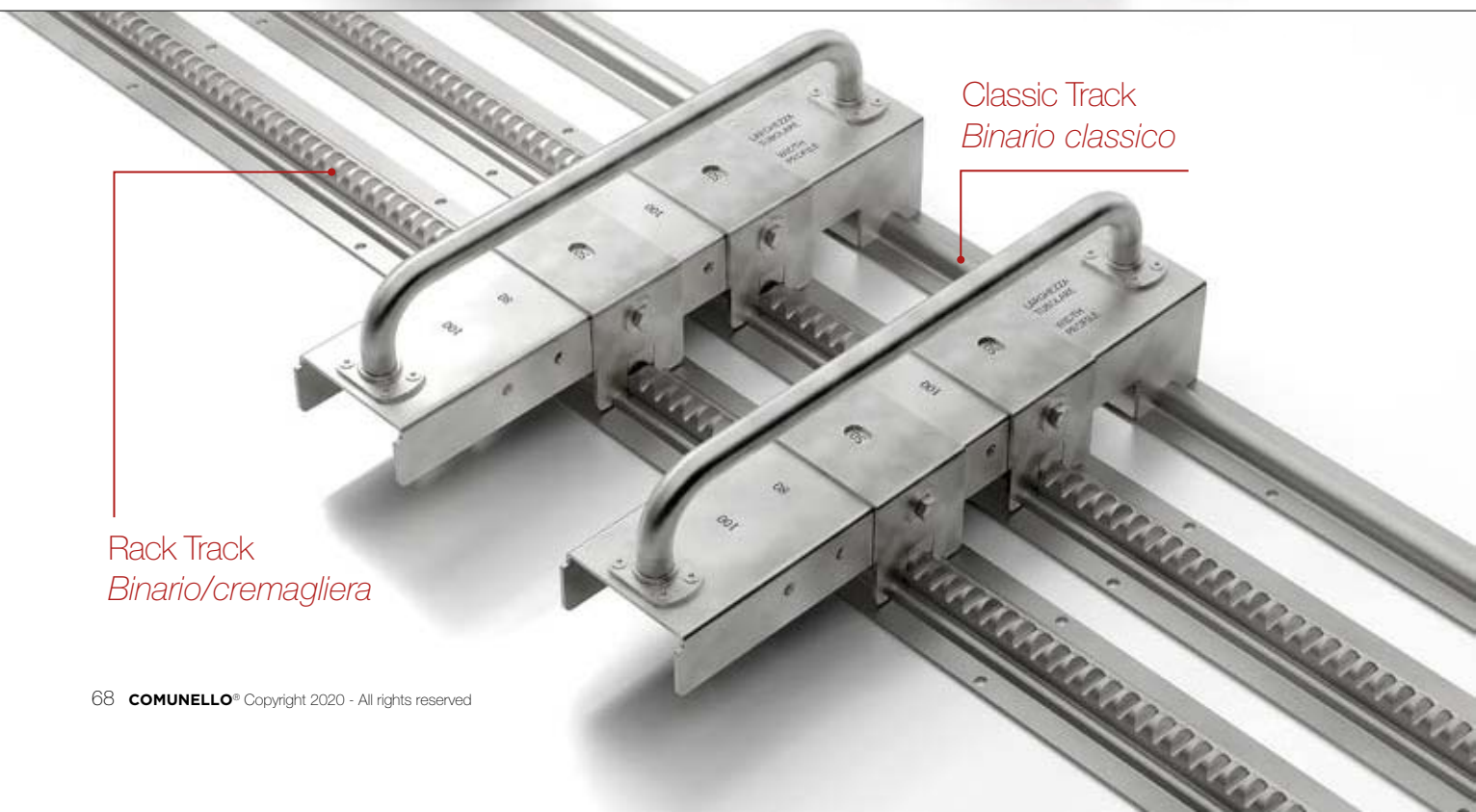


Standard wheel with half-rounded groove
Ruota standard gola semitonda



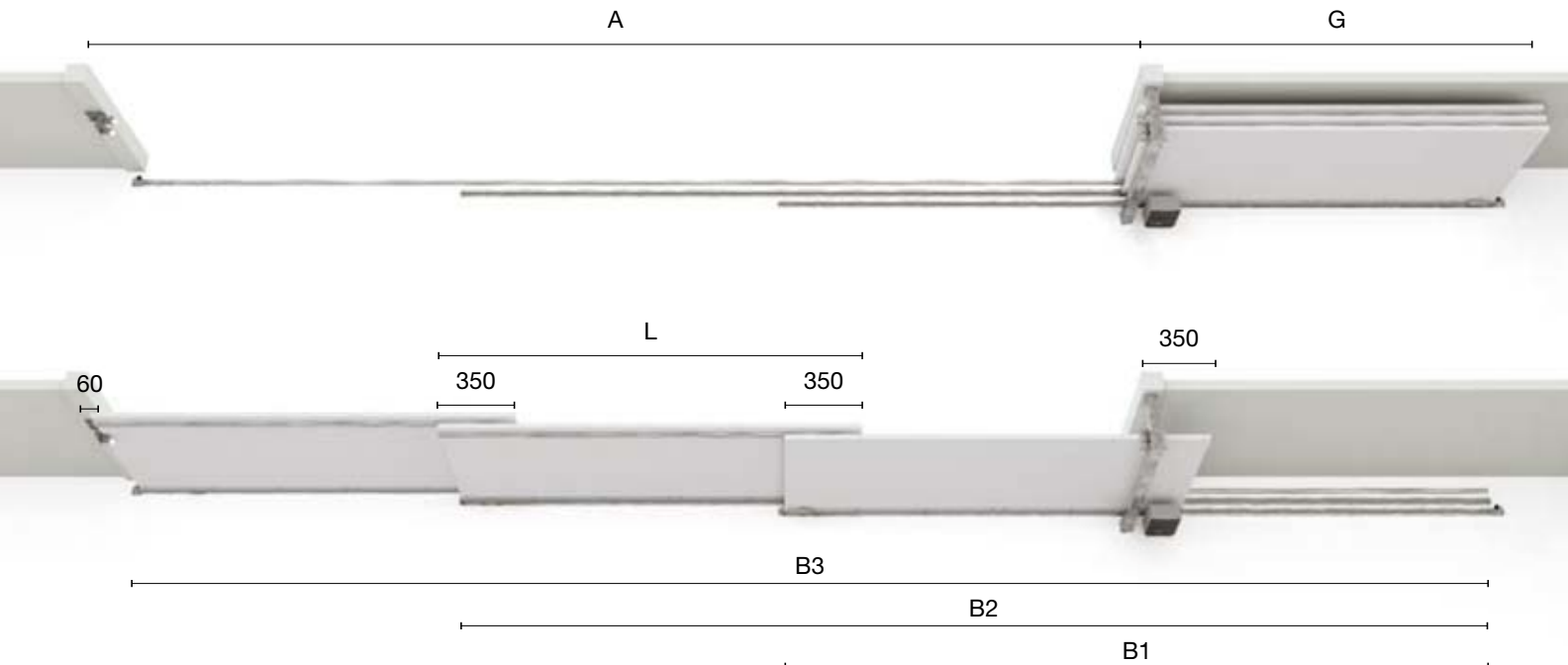
Rack Track
Binario/cremagliera

Classic Track
Binario classico



Ranger 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

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

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

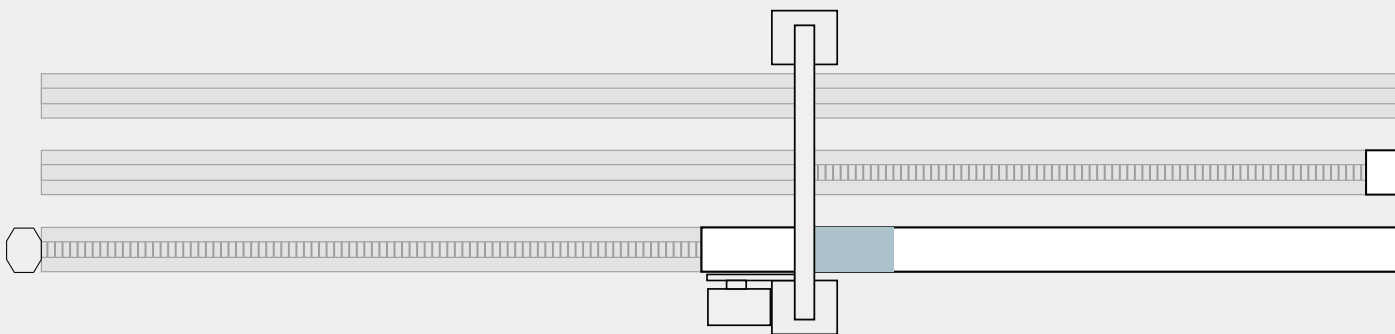
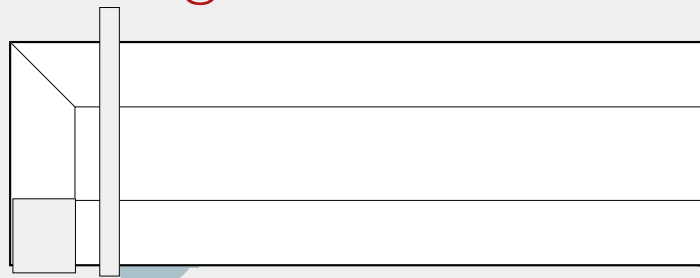
$$B1 (m) = L \times 2 - 0.35$$

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

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

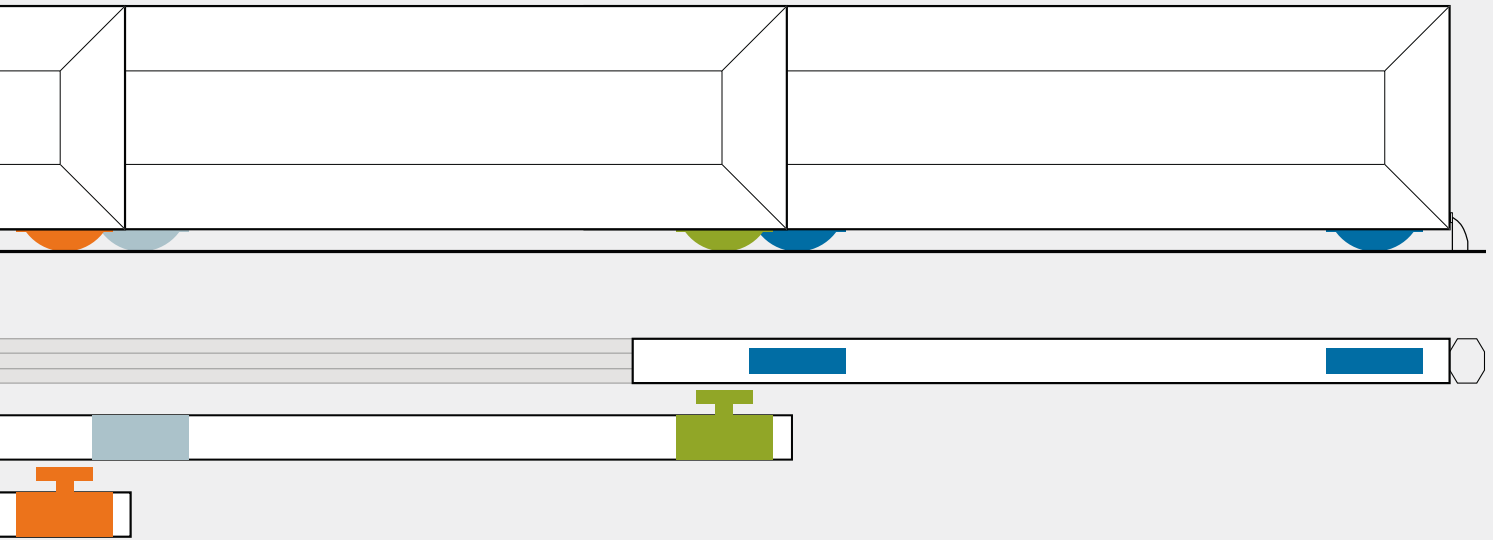
Ranger Wheel Kit for 3 leaf gates / Kit ruote

- 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 per cancelli a 3 ante



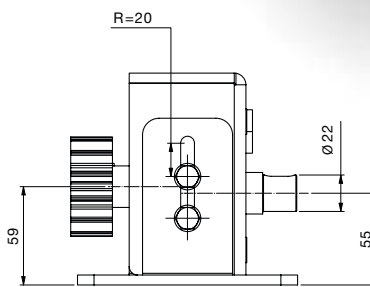
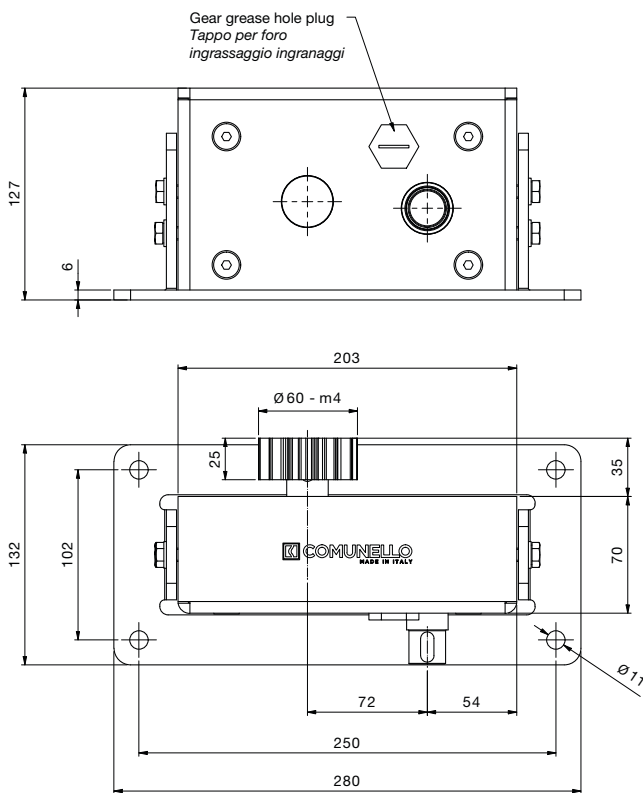
Minimum tube height <i>H minima tubolare</i>	Max leaf weight <i>Peso massimo anta</i> kg	KIT ELEMENTS / <i>Composizione kit</i>				Kit per pack	Kg
		Drive wheel / <i>Ruota motrice</i>	Free wheel / <i>Ruota condotta</i>	Drive wheel with low ratio <i>Ruota motrice con riduzione</i>	Standard wheel with 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 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	
		Pos 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.

RG-45

Electromechanical limit switch

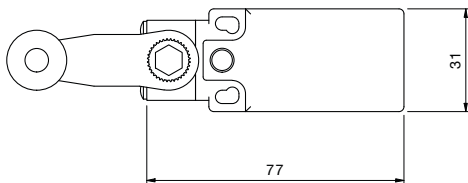
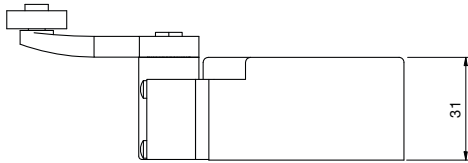
Finecorsa elettromeccanico

Fin de course électromécanique

Elektromechanischer Endschalter

Final de carrera electromecánico

Электромеханический конечный 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 Accessories

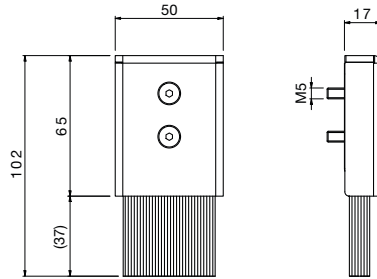
RG-15

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



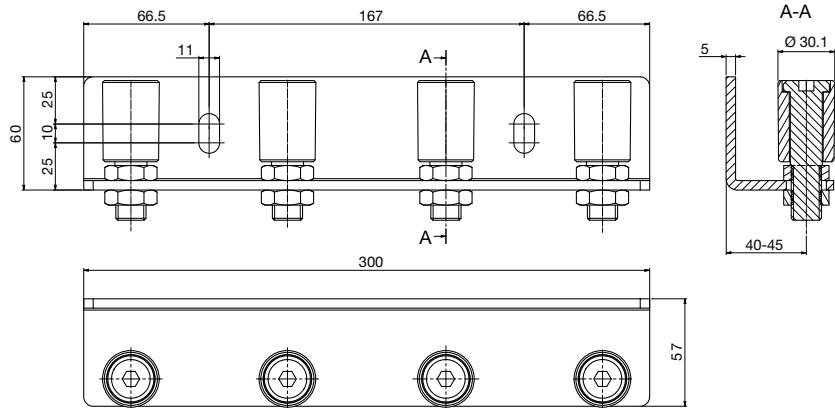
RG-254

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



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

Finishing: Galvanized / Zincato



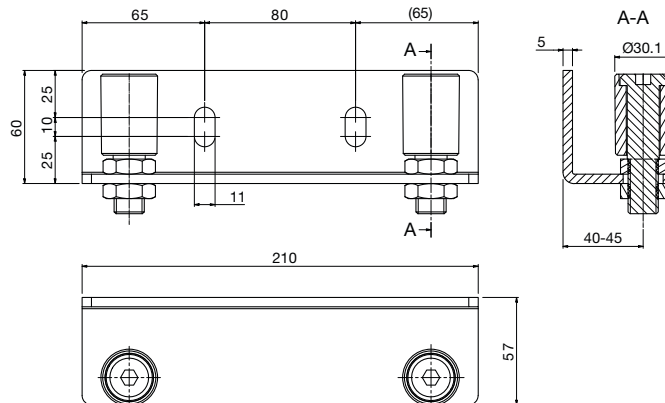
RG-252

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



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

Finishing: Galvanized / Zincato



Compatible accessories

RG-387

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

Profilo 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

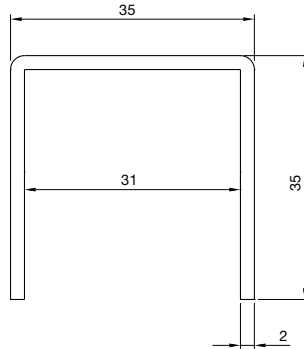
Perfil "U" de 3/6 m para las placas de guía RG-254 y RG-253

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

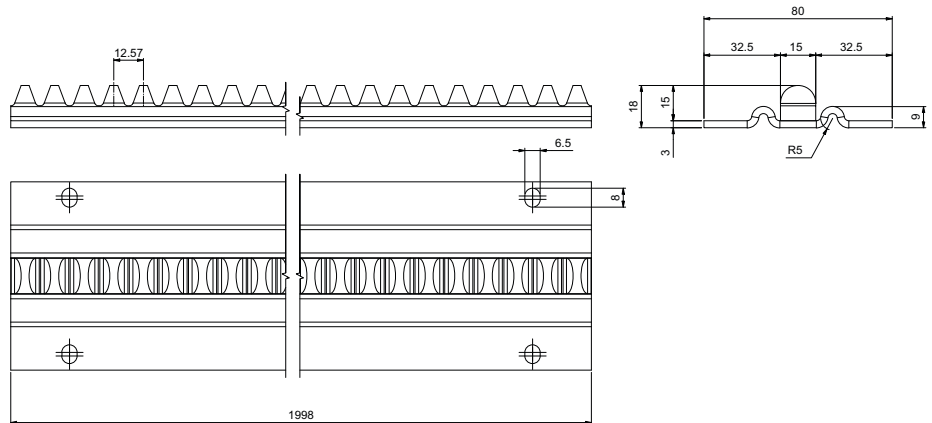
Rackschiene 15x15 zur Befestigung für Rädern von 97 - 117 mm. Länge 2 m

Carril 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

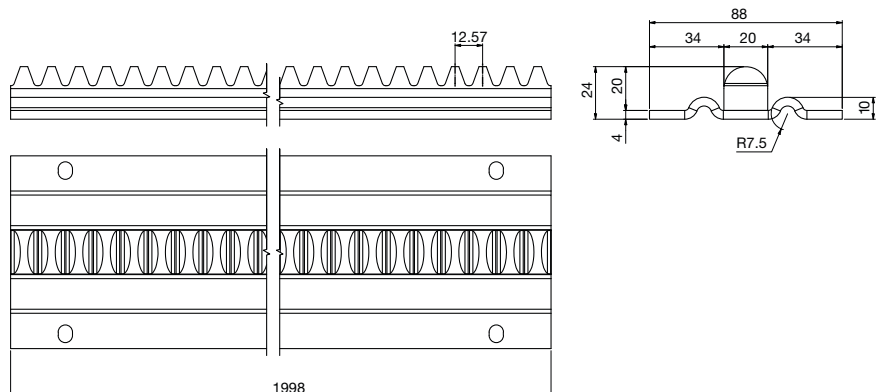
Rackschiene 20x20 zur Befestigung für Rädern von 148 mm. Länge 2 m

Carril 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



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

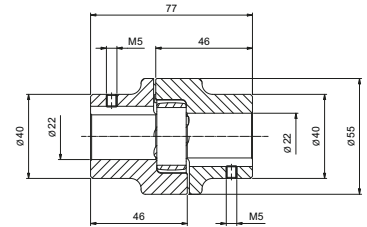
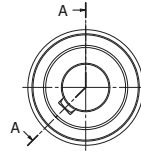
Mini - Piccolo / Ranger

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.

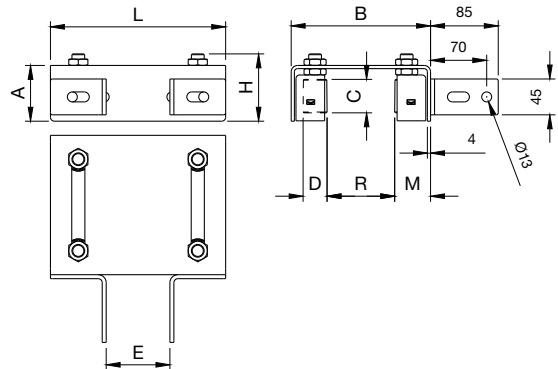
Plastra guida cancello regolabile con staffe angolari

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

Plastra doppia regolazione a fissare

per cancelli con doppia colonna

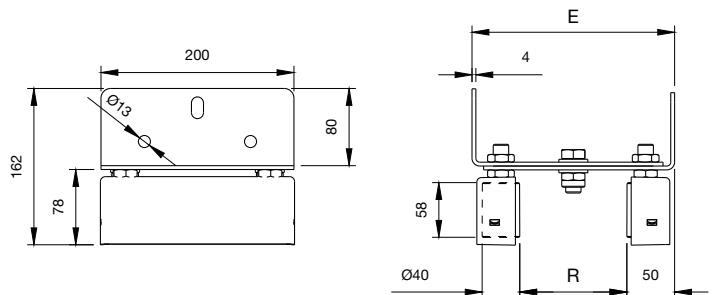
Platine double réglage à visser pour portails avec 2 colonnes

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

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

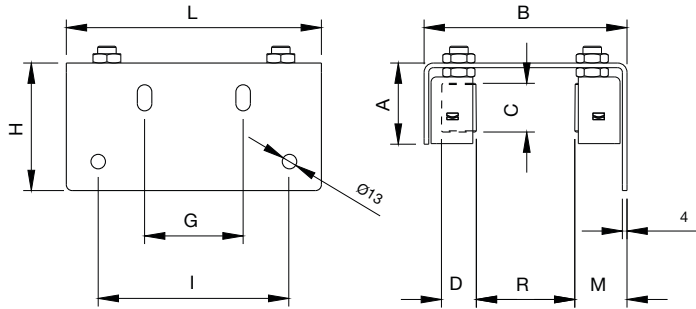
Placa de guía de la puerta regulable con ala larga para fijar

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"

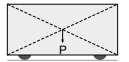
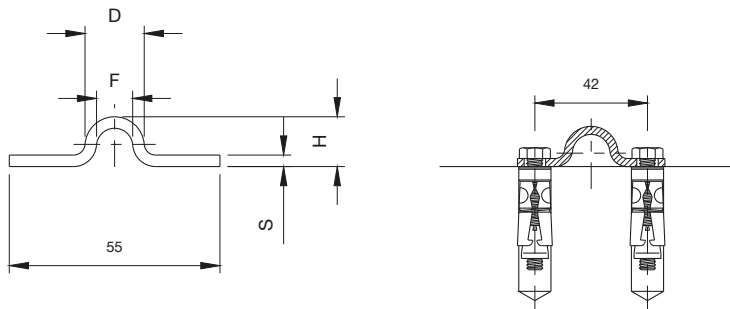
Carril para fijar "Rápido"

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

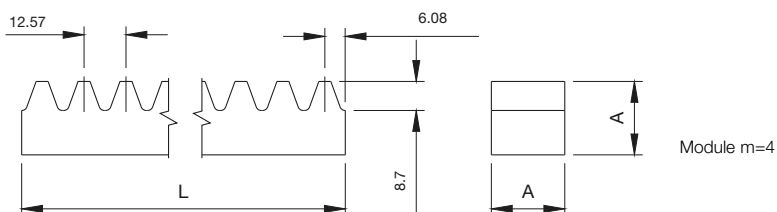
Cremaillera cuadrada

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

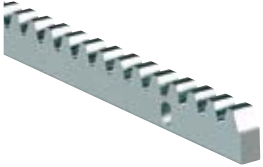
Finishing: Galvanized / Zincato



Compatible accessories

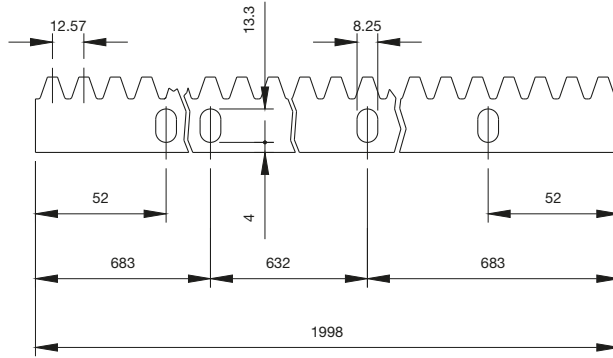
262

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

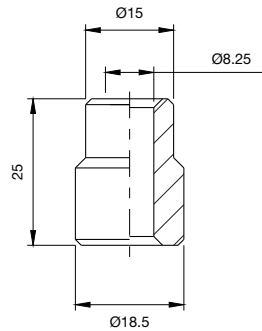
264

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



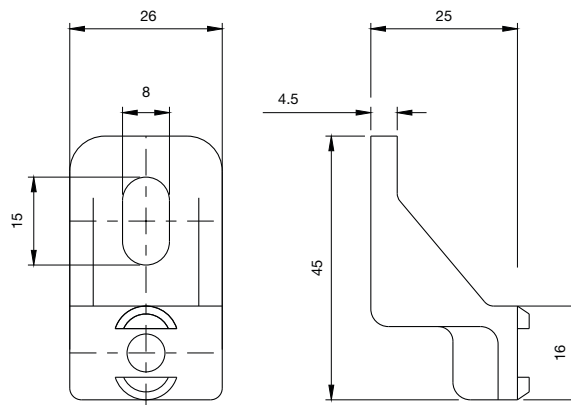
266

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



CG-15

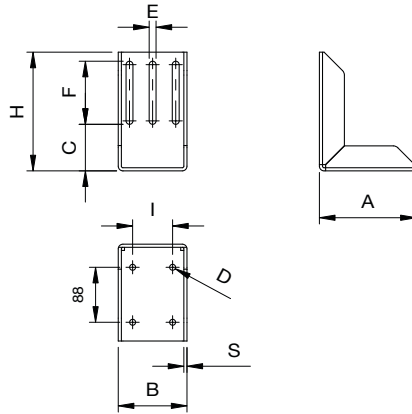
Adjustable wall mounting angle racket for end cup
Staffa angolare regolabile fissaggio a muro per incontro

Platine angulaire réglable fixation au mur pour butée
Verstellbare Eckmuerhalterung für Auflageschuh
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

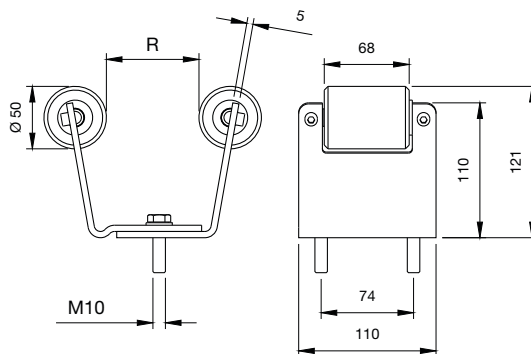
Adjustable end cup to be fixed for gates
Incontro per cancelli regolabile a fissare

Butée réglable à fixer pour portails
Verstellbarer Auflageschuh 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

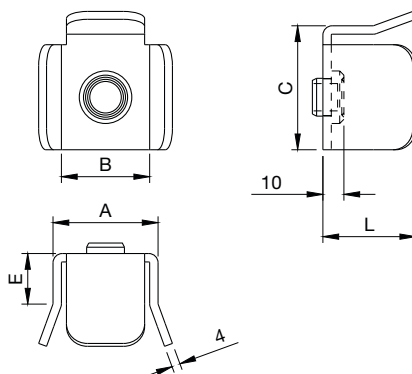
Upper end with shock absorber cup

Incontro superiore con tappo ammortizzatore
Butée supérieure avec bouchon amortisseur
Oberer Auflageschuh mit Schlussdämpfer
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

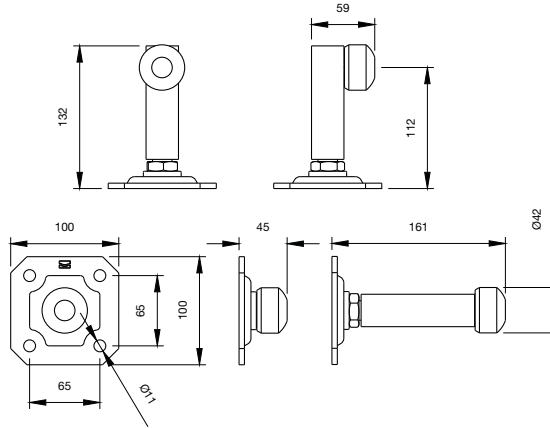
201

Strike plate to be fastened with triple function
Battente "Tris" a fissare tripla funzione
Butée à fixer triple fonction
Auflaufschuh 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



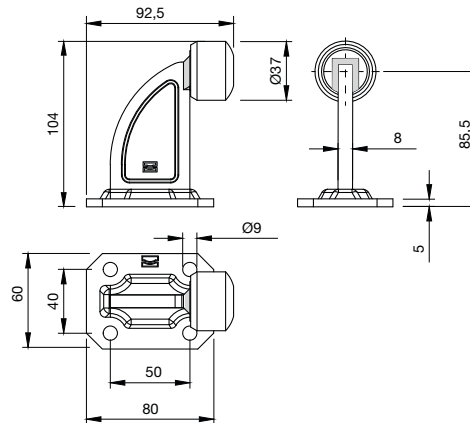
202 P

Runaway stop to be screwed
Arresto di fine corsa con base a fissare
Butoir de fin de course avec base à visser
Torenpuffer 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



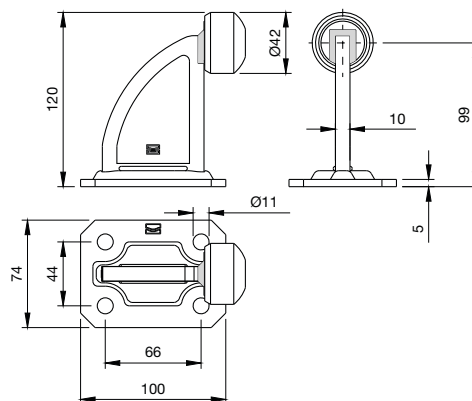
202 G

Runaway stop to be screwed
Arresto di fine corsa con base a fissare
Butoir de fin de course avec base à visser
Torenpuffer 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



202F-A

Damped runaway stop to be screwed
*Arresto di fine corsa ammortizzato
con base a fissare*

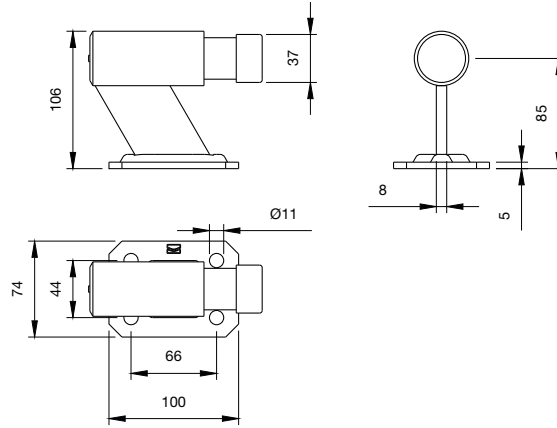
*Butoir de fin de course amorti avec base à visser
Torendpuffer mit Platte zum Anschrauben
Tope de final de carrera amortiguado con base para fijar
Амортизированный стопор конца хода с
прикрепляемым основанием*



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

Finishing: Zincato / Galvanized

Categoria commerciale: 1C



RANGER



PATENT
PENDING

Albatros

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

L'innovativo cancello a battente bi-folding che offre un'apertura massima in spazi confinati.

The Albatros bi-folding gate system

Il sistema per cancelli bi-folding Albatros

- 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
- Sistemi di cancelli a battente con apertura a libro
- Per cancelli doppi a battente fino a 16 metri
- Cerniera ad ingranaggio meccanico
- Il sistema bifolding occupa il minimo spazio in apertura e chiusura
- Entrata libera da binari e ostacoli



Connecting tube / Collegamento



ART.

ABS-10-P

ABS-10-G

Albatros Kit elements Elementi del kit Albatros



ART.

ABS-100-P

ABS-100-G

Strike plate / Incontro



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.

Con il suo rivoluzionario sistema di cerniera ad ingranaggio meccanico, Albatros offre un'apertura stabile e fluida per la più grande delle opzioni bifolding. Questo sistema preciso e di alta qualità permette un'entrata pulita e libera da ostacoli utilizzando metà dello spazio solitamente occupato da un cancello a battente standard. Il braccio di trasmissione del movimento nel sistema Albatros è fissato alla cerniera inferiore ed assicura un'ampia apertura che ottimizza gli spazi.



Upper hinge
Cardine superiore



ART.
85L
85PST
85

Bottom hinge
Cardine inferiore



ART.
87
87PST
87L

Runaway stop
Arresto fine corsa



ART.
202
202F-C
239

The Albatros bi-folding gate system

Il sistema per cancelli bi-folding Albatros



External view
Vista dall'esterno



Door leaf stopper
Tappo ammortizzatore

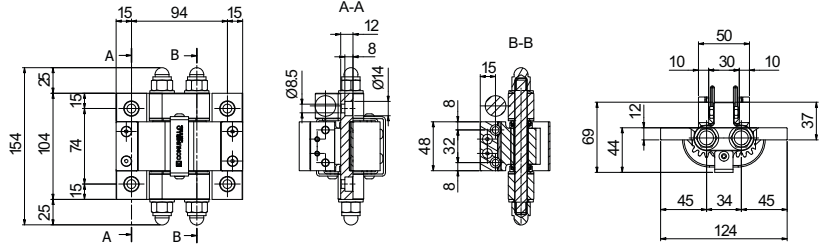
Kit elements

Composizione del Kit

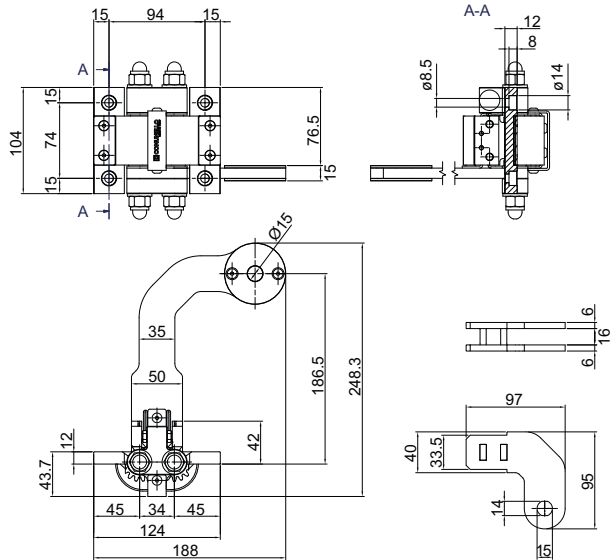
ABS-100-P

Ambidextre Albatros Kit including 2 hinges and movement system
 Kit Albatros ambidestro composto da 2 cerniere e sistema di movimentazione
 Kit Albatros ambidextre comprenant 2 paumelles et système de mouvement
 beidhändig Albatros Kit mit 2 Scharniere und Bewegungssystem
 Kit Albatros ambidestro consistente en 2 bisagras y sistema de manejo
 Двухсторонний комплект Albatros включающий 2 петли и система движения

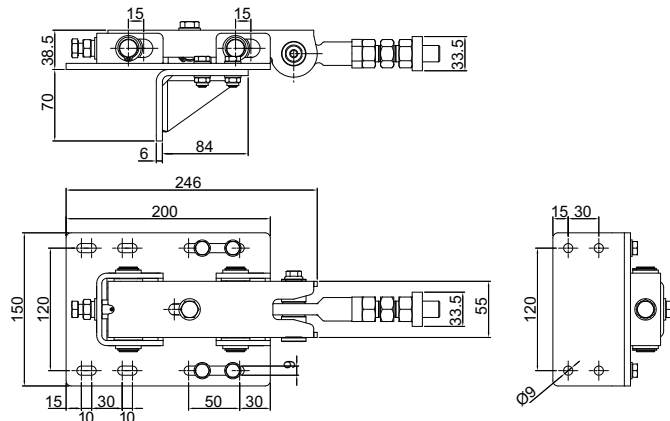
1



2



3



CODE	ART.	SIZE	Box info	
			Pcs per pack	Kg
11640910 001	ABS-100-P	DX-SX Piccolo	1	11



Upper geared hinge
Cerniera con ingranaggio meccanico

1

Adjustable bracket
*Staffa per la
regolazione del
movimento*

3

Lower geared hinge with power transmission arm
*Cerniera con ingranaggio meccanico e leva di trasmissione
del movimento*

2

The bi-folding lever arm is fixed to the lower geared hinge.

La leva di trasmissione del movimento è fissata alla cerniera inferiore.

Albatros accessories



85L-M

Adjustable upper hinge with L plate
Cardine superiore regolabile con piastra a L
 Gond supérieur réglable avec platine à L
 Verstellbares oberes Torband mit L-Platte
 Bisagra superior regulable con placa en L
 Верхняя регулируемая петля с пластиной в форме L

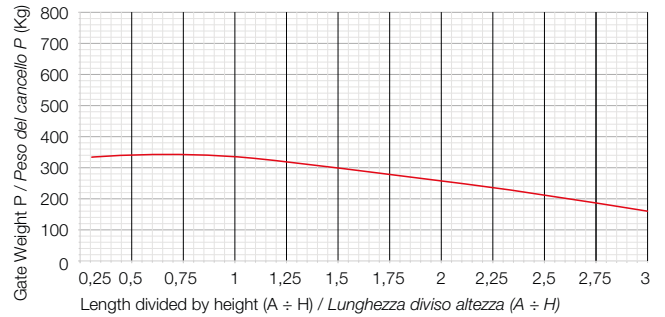


87L-M

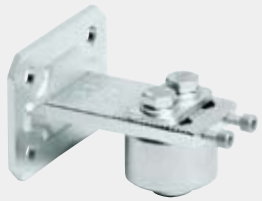
Bottom hinge with thrust bearing and L plate
Cardine inferiore con cuscinetto reggi spinta e piastra a L
 Gond inférieur avec roulement de butée et platine à L
 Unteres Torband mit Drucklager und L-Platte
 Bisagra inferior con rodamiento de empuje y placa en L
 Нижняя петля с упорным подшипником и пластиной в форме L

MAX LOAD ACCORDING TO GATE'S DIMENSIONS IN THE ALBATROS SYSTEM PICCOLO

PESO MASSIMO DEL SISTEMA ALBATROS PICCOLO IN FUNZIONE DELLE DIMENSIONI DEL CANCELLO



85L-M / 87L-M



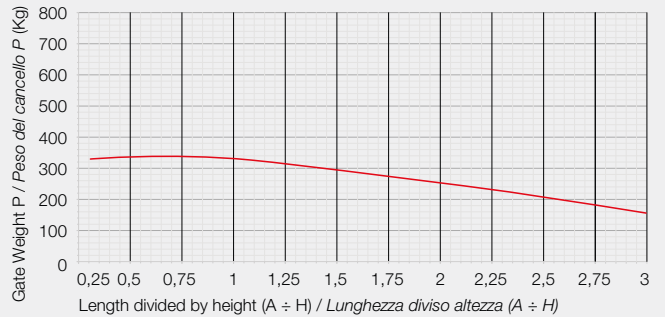
85PST-M

Adjustable upper hinge with plate to be screwed
Cardine superiore regolabile con piastra a fissare
 Gond supérieur réglable avec platine à visser
 Verstellbares oberes Torband mit Platte zum Anschrauben
 Bisagra superior regulable con placa para fijar
 Верхняя регулируемая петля с прикрепляемой пластиной



87PST-M

Bottom hinge with thrust bearing and plate to be screwed
Cardine inferiore con cuscinetto reggi spinta e piastra a fissare
 Gond inférieur avec roulement de butée et platine à fixer
 Unteres Torband mit Drucklager und Platte zum Anschrauben
 Bisagra inferior con rodamiento de empuje y placa para fijar
 Нижняя петля с упорным подшипником и прикрепляемой пластиной



85PST-M / 87PST-M



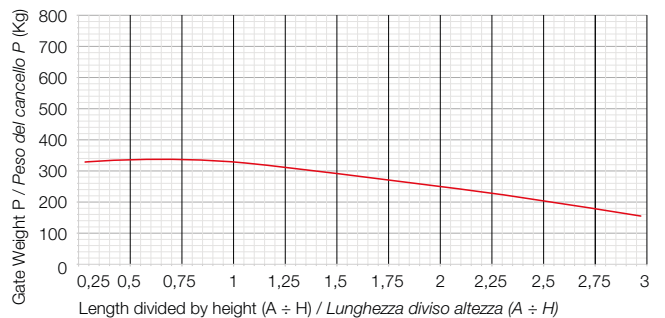
85M

Adjustable upper hinge with plate
Cardine superiore regolabile con piastra
 Gond supérieur réglable avec platine
 Verstellbares oberes Torband mit Platte
 Bisagra superior regulable con placa
 Верхняя регулируемая петля с пластиной

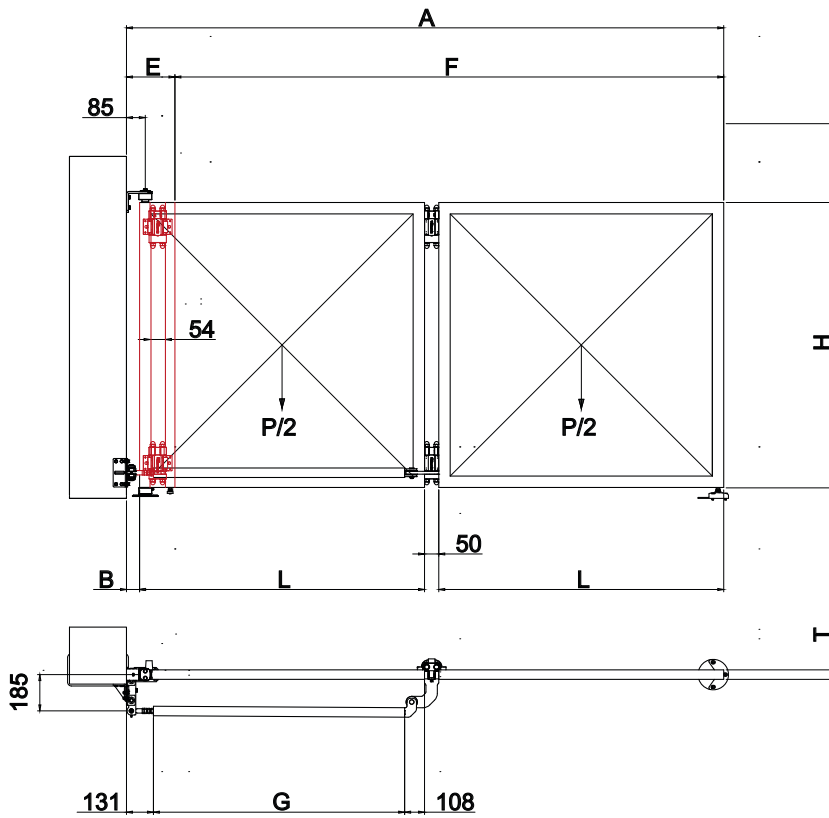


87M

Bottom hinge with thrust bearing
Cardine inferiore con cuscinetto reggi spinta
 Gond inférieur avec roulement de butée
 Unteres Torband mit Drucklager
 Bisagra inferior con rodamiento de empuje
 Нижняя петля с упорным подшипником



85M / 87M



- A** OPENING LENGTH
LUNGHEZZA APERTURA
- B** DISTANCE FROM THE LEAF TO COLUMN
DISTANZA DA ANTA A PILASTRO
- E** OPEN GATE LEAF DIMENSIONS
INGOMBRO ANTE A CANCELLO APERTO
- L** LEAF LENGTH
LUNGHEZZA ANTA
- G** LEVER TUBE LENGTH
LUNGHEZZA LEVA TUBOLARE
- F** NET OPENING SIZE WITH GATE OPEN
PASSAGGIO NETTO ANTE APERTE
- T** LEAF TUBE SIZE
SPESSORE TUBOLARE ANTE

$E = 2 \cdot T + B + 54$

$F = A - E$

$G = L - 239 + B$

$L = (A - 50 - B) \div 2$

A	T	B	E	F	G	L
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
1500	35	67	192	1309	520	691
2000	35	67	192	1809	770	941
2500	35	67	192	2309	1020	1191
3000	35	67	192	2809	1270	1441
3500	35	67	192	3309	1520	1691
4000	35	67	192	3809	1770	1941
4500	35	67	192	4309	2020	2191
5000	35	67	192	4809	2270	2441

A	T	B	E	F	G	L
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
1500	40	65	199	1301	519	693
2000	40	65	199	1801	769	943
2500	40	65	199	2301	1019	1193
3000	40	65	199	2801	1269	1443
3500	40	65	199	3301	1519	1693
4000	40	65	199	3801	1769	1943
4500	40	65	199	4301	2019	2193
5000	40	65	199	4801	2269	2443

A	T	B	E	F	G	L
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
1500	50	60	214	1286	516	695
2000	50	60	214	1786	766	945
2500	50	60	214	2286	1016	1195
3000	50	60	214	2786	1266	1445
3500	50	60	214	3286	1516	1695
4000	50	60	214	3786	1766	1945
4500	50	60	214	4286	2016	2195
5000	50	60	214	4786	2266	2445

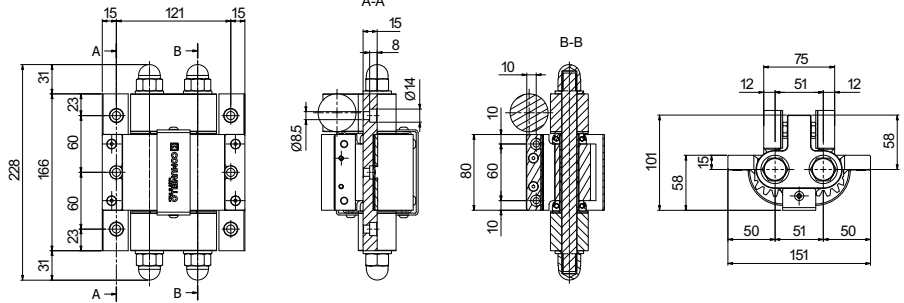
Kit elements

Composizione del Kit

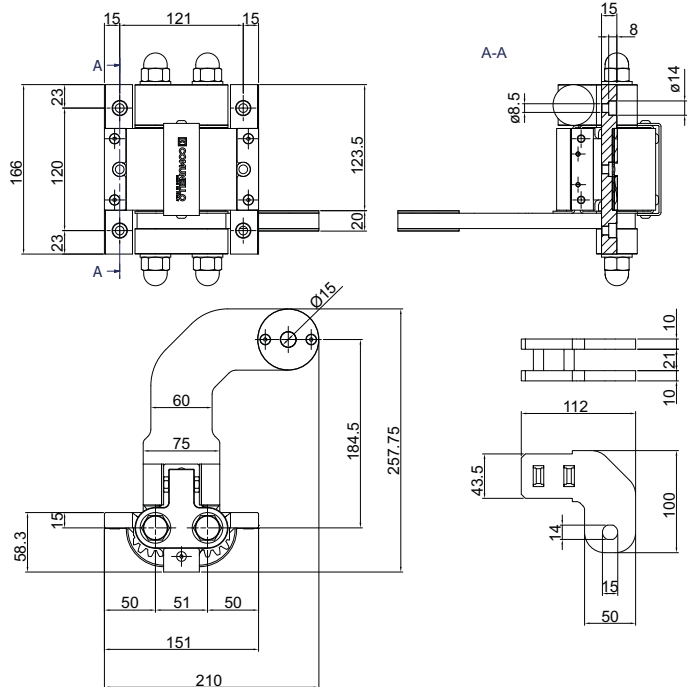
ABS-100-G

Ambidextre Albatros Kit including 2 hinges and movement system
 Kit Albatros ambidestro composto da 2 cerniere e sistema di movimentazione
 Kit Albatros ambidextre comprenant 2 paumelles et système de mouvement
 beidhändig Albatros Kit mit 2 Scharniere und Bewegungssystem
 Kit Albatros ambidestro consistente en 2 bisagras y sistema de manejo
 Двухсторонний комплект Albatros включающий 2 петли и система движения

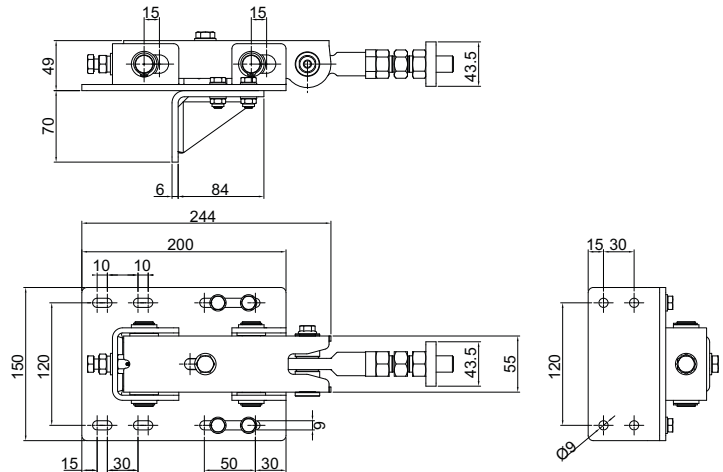
1



2



3



CODE	ART.	SIZE	Box info	
			Pcs per pack	Kg
11640900 001	ABS-100-G	DX-SX Grande	1	22



Upper geared hinge
Cerniera con ingranaggio meccanico

1

Adjustable bracket
*Staffa per la
regolazione del
movimento*

3

Lower geared hinge with power transmission arm
*Cerniera con ingranaggio meccanico e leva di trasmissione
del movimento*

2

The bi-folding lever arm is fixed to the lower geared hinge.

La leva di trasmissione del movimento è fissata alla cerniera inferiore.

Albatros accessories



85L-G

Adjustable upper hinge with L plate
Cardine superiore regolabile con piastra a L
 Gond supérieur réglable avec platine à L
 Verstellbares oberes Torband mit L-Platte
 Bisagra superior regulable con placa en L
 Верхняя регулируемая петля с пластиной в форме L



87L-G

Bottom hinge with thrust bearing and L plate
Cardine inferiore con cuscinetto reggi spinta e piastra a L
 Gond inférieur avec roulement de butée et platine à L
 Unteres Torband mit Drucklager und L-Platte
 Bisagra inferior con rodamiento de empuje y placa en L
 Нижняя петля с упорным подшипником и пластиной в форме L

MAX LOAD ACCORDING TO GATE'S DIMENSIONS IN THE ALBATROS SYSTEM PICCOLO

PESO MASSIMO DEL SISTEMA ALBATROS PICCOLO IN FUNZIONE DELLE DIMENSIONI DEL CANCELLO



85L-G / 87L-G



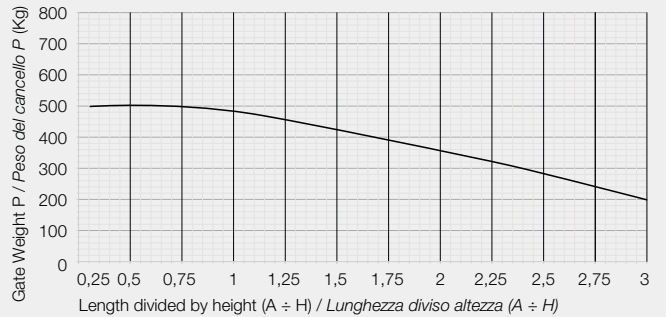
85PST-G

Adjustable upper hinge with plate to be screwed
Cardine superiore regolabile con piastra a fissare
 Gond supérieur réglable avec platine à visser
 Verstellbares oberes Torband mit Platte zum Anschrauben
 Bisagra superior regulable con placa para fijar
 Верхняя регулируемая петля с прикрепляемой пластиной



87PST-G

Bottom hinge with thrust bearing and plate to be screwed
Cardine inferiore con cuscinetto reggi spinta e piastra a fissare
 Gond inférieur avec roulement de butée et platine à fixer
 Unteres Torband mit Drucklager und Platte zum Anschrauben
 Bisagra inferior con rodamiento de empuje y placa para fijar
 Нижняя петля с упорным подшипником и прикрепляемой пластиной



85PST-G / 87PST-G



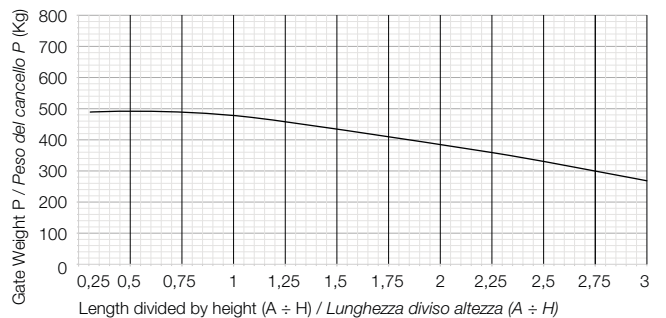
85G

Adjustable upper hinge with plate
Cardine superiore regolabile con piastra
 Gond supérieur réglable avec platine
 Verstellbares oberes Torband mit Platte
 Bisagra superior regulable con placa
 Верхняя регулируемая петля с пластиной

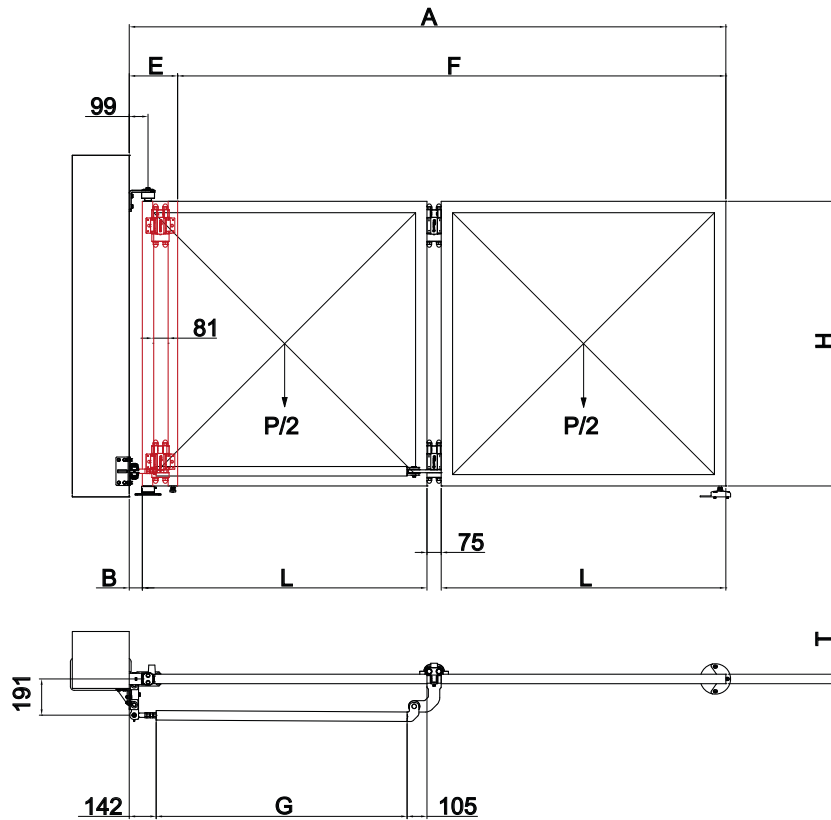


87G

Bottom hinge with thrust bearing
Cardine inferiore con cuscinetto reggi spinta
 Gond inférieur avec roulement de butée
 Unteres Torband mit Drucklager
 Bisagra inferior con rodamiento de empuje
 Нижняя петля с упорным подшипником



85G / 87G



- A** OPENING LENGTH
LUNGHEZZA APERTURA
- B** DISTANCE FROM THE LEAF TO COLUMN
DISTANZA DA ANTA A PILASTRO
- E** OPEN GATE LEAF DIMENSIONS
INGOMBRO ANTE A CANCELLO APERTO
- L** LEAF LENGTH
LUNGHEZZA ANTA
- G** LEVER TUBE LENGTH
LUNGHEZZA LEVA TUBOLARE
- F** NET OPENING SIZE WITH GATE OPEN
PASSAGGIO NETTO ANTE APERTE
- T** LEAF TUBE SIZE
SPESSORE TUBOLARE ANTE

$$E = 2 \cdot T + B + 81$$

$$F = A - E$$

$$G = L - 247 + B$$

$$L = (A - 75 - B) \div 2$$

A [mm]	T [mm]	B [mm]	E [mm]	F [mm]	G [mm]	L [mm]
1500	40	79	240	1260	505	673
2000	40	79	240	1760	755	923
2500	40	79	240	2260	1005	1173
3000	40	79	240	2760	1255	1423
3500	40	79	240	3260	1505	1673
4000	40	79	240	3760	1755	1923
4500	40	79	240	4260	2005	2173
5000	40	79	240	4760	2255	2423
5500	40	79	240	5260	2505	2673
6000	40	79	240	5760	2755	2923
6500	40	79	240	6260	3005	3173
7000	40	79	240	6760	3255	3423
7500	40	79	240	7260	3505	3673
8000	40	79	240	7760	3755	3923

A [mm]	T [mm]	B [mm]	E [mm]	F [mm]	G [mm]	L [mm]
1500	50	74	255	1245	503	676
2000	50	74	255	1745	753	926
2500	50	74	255	2245	1003	1176
3000	50	74	255	2745	1253	1426
3500	50	74	255	3245	1503	1676
4000	50	74	255	3745	1753	1926
4500	50	74	255	4245	2003	2176
5000	50	74	255	4745	2253	2426
5500	50	74	255	5245	2503	2676
6000	50	74	255	5745	2753	2926
6500	50	74	255	6245	3003	3176
7000	50	74	255	6745	3253	3426
7500	50	74	255	7245	3503	3676
8000	50	74	255	7745	3753	3926

A [mm]	T [mm]	B [mm]	E [mm]	F [mm]	G [mm]	L [mm]
1500	60	69	270	1230	500	678
2000	60	69	270	1730	750	928
2500	60	69	270	2230	1000	1178
3000	60	69	270	2730	1250	1428
3500	60	69	270	3230	1500	1678
4000	60	69	270	3730	1750	1928
4500	60	69	270	4230	2000	2178
5000	60	69	270	4730	2250	2428
5500	60	69	270	5230	2500	2678
6000	60	69	270	5730	2750	2928
6500	60	69	270	6230	3000	3178
7000	60	69	270	6730	3250	3428
7500	60	69	270	7230	3500	3678
8000	60	69	270	7730	3750	3928

Albatros accessories

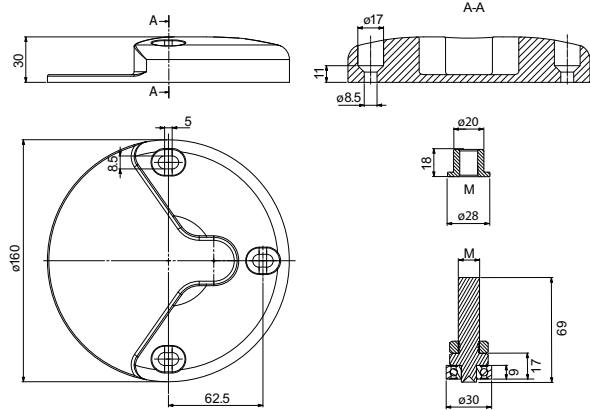
ABS-15

Kit turned floor strike plate
 Kit *Incontro a pavimento tornito*
 Kit *Butoir au sol tourné*
 Gedrechselt Bodenanschlag Kit
 Kit *encuentro para suelo torneado*
 Комплект точёных напольных упоров



CODE	ART.	Size	M	Box info	
				Pcs per pack	Kg
11640911 001	ABS-15-P	D160 H=30	12	1	1.4
11640904 001	ABS-15-G	D160 H=30	14	1	1.4

Finishing: Galvanized / Zincato



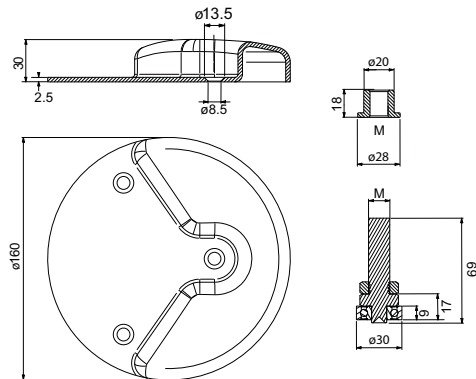
ABS-16

Kit molded floor strike plate
 Kit *Incontro a pavimento stampato*
 Kit *Butoir au sol moulé*
 Formgepressten Bodenanschlag Kit
 Kit *encuentro para suelo moldeado*
 Комплект формованных напольных упоров



CODE	ART.	Size	M	Box info	
				Pcs per pack	Kg
11640912 001	ABS-16-P	D160 H=30	12	1	0,8
11640905 001	ABS-16-G	D160 H=30	14	1	0,8

Finishing: Galvanized / Zincato



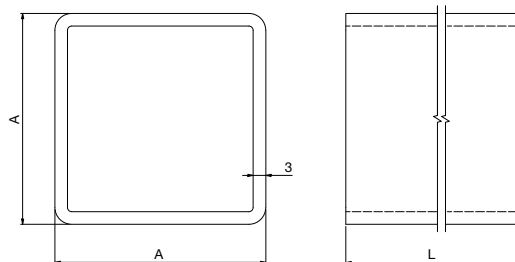
ABS-10

Hinge-pillar connection tubular
 Tubolare di collegamento cerniera - pilastro
 Tubulaire de raccordement paumelle-pilier
 Scharnier-Pfeiler Verbindung Schlauchreifen
 Tubular de conexión bisagra-pilar
 Трубное соединение петля - столб



CODE	ART.	A (mm)	L (m)	Box info	
				Pcs per pack	Kg
11640913	ABS-10-P	40X40	3	1	10
11640903	ABS-10-G	50X50	3	1	13

Finishing: Galvanized / Zincato

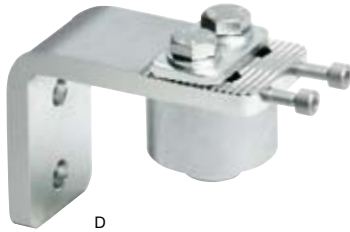


Compatible accessories

85L

Adjustable upper hinge with L plate
*Cardine superiore regolabile
con piastra a L*

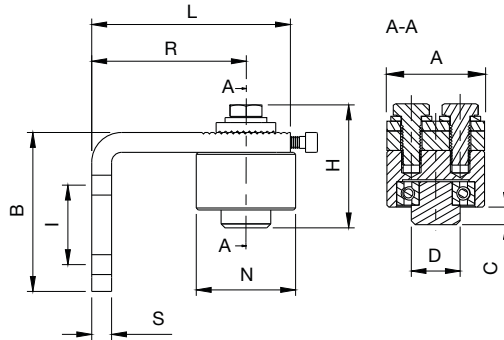
Gond supérieur réglable avec platine à L
Verstellbares oberes Torband mit L-Platte
Bisagra superior regulable con placa en L
Верхняя регулируемая петля с пластиной в форме L



CODE	ART.	Size	A	B	C	D	H	I	L	N	R	S	Portata Capacity	Box info	
														Pcs per pack	Kg
10801607 001	85L-M	Medio Ø50	50	90	9	Ø25	62	45	100	Ø48	70-85	10	350 kg	2	2.4
10801610 001	85L-G	Grande Ø70	60	110	15	Ø35	72	55	130	Ø68	90-105	10	500 kg	2	4.1

Finishing: Galvanized / Zincato

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.
La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.

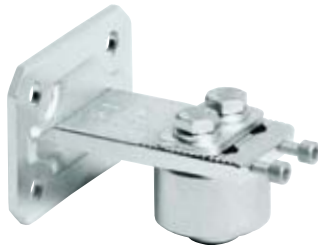


Equally distributed weight
Peso uniformemente distribuito

85PST

Adjustable upper hinge with plate to be screwed
Cardine superiore regolabile con piastra a fissare

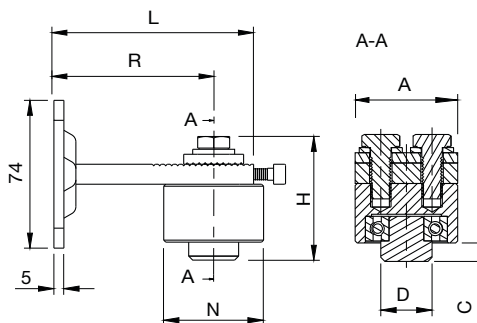
Gond supérieur réglable avec platine à visser
Verstellbares oberes Torband mit Platte zum Anschrauben
Bisagra superior regulable con placa para fijar
Верхняя регулируемая петля с прикрепляемой пластиной



CODE	ART.	Size	A	C	D	H	L	N	R	Portata Capacity	Box info	
											Pcs per pack	Kg
10801407 001	85PST-M	Medio Ø50	50	9	Ø25	62	100	Ø48	70-85	350 kg	2	2.3
10801410 001	85PST-G	Grande Ø70	60	15	Ø35	72	130	Ø68	90-105	500 kg	2	3.2

Finishing: Galvanized / Zincato

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.
La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.



Equally distributed weight
Peso uniformemente distribuito

85

Adjustable upper hinge with plate to be welded

*Cardine superiore regolabile con
piastra a saldare*

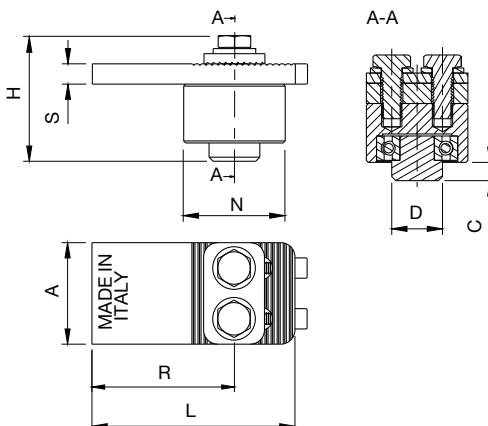
Gond supérieur réglable avec platine
Verstellbares oberes Torband mit Platte
Bisagra superior regulable con placa
Верхняя регулируемая петля с пластиной



CODE	ART.	Size	A	C	D	H	L	N	R	S	Portata Capacity	Box info	
												Pcs per pack	Kg
10800407 001	85M	Medio Ø50	50	9	Ø25	62	100	Ø48	70-85	10	450 kg	4	3.4
10800410 001	85G	Grande Ø70	60	15	Ø35	72	130	Ø68	90-105	10	650 kg	2	3.2

Finishing: Galvanized / Zincato

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.
La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.



Equally distributed weight
Peso uniformemente distribuito

Compatible accessories

87L

Bottom hinge with thrust bearing and L plate

Cardine inferiore con cuscinetto reggi spinta e piastra a L

Gond inférieur avec roulement de butée et platine à L

Unteres Torband mit Drucklager und L-Platte

Bisagra inferior con rodamiento de empuje y placa en L

Нижняя петля с упорным подшипником и пластиной в форме L

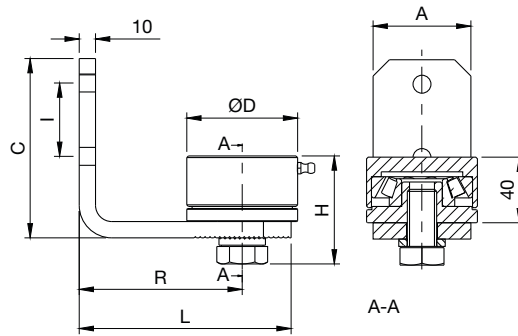


CODE	ART.	Size	A	C	D	H	I	L	R	Portata Capacity	Box info	
											Pcs per pack	Kg
10801307 001	87L-M	Medio Ø50	45	90	Ø 49	52	40	100	55-85	350 kg	4	4.0
10801310 001	87L-G	Grande Ø70	60	110	Ø 68	66	55	130	95-105	500 kg	2	4.2

Finishing: Galvanized / Zincato

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.

La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.



Equally distributed weight
Peso uniformemente distribuito

87PST

Bottom hinge with thrust bearing and plate to be screwed

Cardine inferiore con cuscinetto reggi spinta e piastra a fissare

Gond inférieur avec roulement de butée et platine à fixer

Unteres Torband mit Drucklager und Platte zum Anschrauben

Bisagra inferior con rodamiento de empuje y placa para fijar

Нижняя петля с упорным подшипником и прикрепляемой пластиной

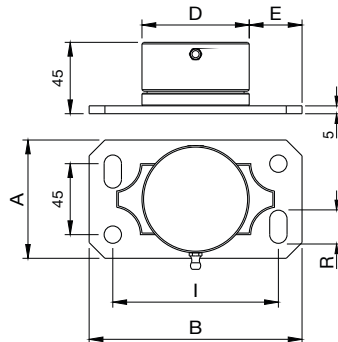


CODE	ART.	Size	A	B	D	E	I	R	Portata Capacity	Box info	
										Pcs per pack	Kg
10801207 001	87PST-M	Medio Ø 50	75	100	Ø 49	25	70	10	350 kg	2	1.2
10801210 001	87PST-G	Grande Ø 70	75	135	Ø 68	33.5	105	10	500 kg	2	2.5

Finishing: Galvanized / Zincato

La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.



Equally distributed weight
Peso uniformemente distribuito

87

Bottom hinge with thrust bearing

Cardine inferiore con cuscinetto reggi spinta

Gond inférieur avec roulement de butée

Unteres Torband mit Drucklager

Bisagra inferior con rodamiento de empuje

Нижняя петля с упорным подшипником

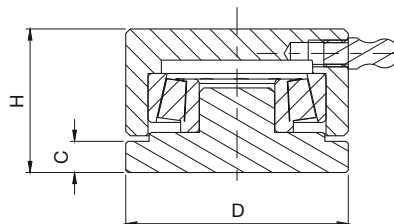


CODE	ART.	Size	C	D	H	Portata Capacity	Box info	
							Pcs per pack	Kg
10801007 001	87M	Medio Ø50	8	Ø49	32	450 kg	4	1.8
10801010 001	87G	Grande Ø70	8	Ø68	40	650 kg	2	2.0

Finishing: Galvanized / Zincato

La portata è riferita ad una coppia di cardini nel caso di peso uniformemente distribuito in un'anta con L=H.

Weight bearing capacity refers to a pair of hinges mounted on a gate with weight uniformly distributed on a leaf with proportions L=H.



Equally distributed weight
Peso uniformemente distribuito

202

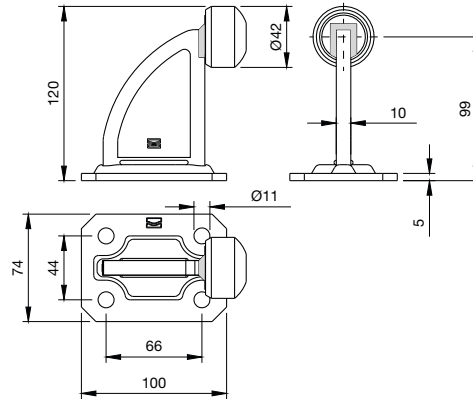
Runaway stop to be screwed
Arresto di fine corsa con base
a fissare

Boutoir 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	10	7.4

Finishing: Galvanized / Zincato



202F-C

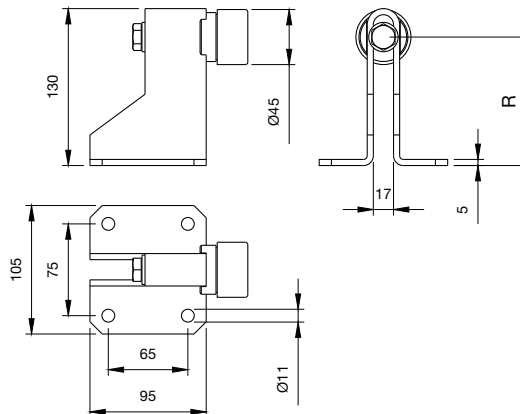
Adjustable runaway stop to be screwed
Arresto di fine corsa regolabile
a fissare

Boutoir de fin de course à visser réglable
Verstellbarer Torendpuffer zum Anschrauben
Tope de final de carrera regulable para fijar
Прикрепляемый регулируемый стопор конца хода



CODE	ART.	R	Box info	
			Pcs per pack	Kg
10704401 001	202F-C	70-115	10	12.4

Finishing: Galvanized / Zincato



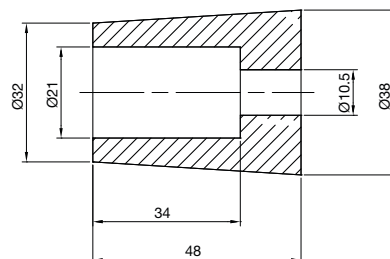
239

Door leaf stopper
Tappo ammortizzatore ante

Embout d'amortissage vantaux
Stossdämpfer für Türe
Amortiguador hojas
Амортизирующая пробка створки



CODE	ART.	Box info	
		Pcs per pack	Kg
10700405	239	10	0,60



Made in Italy Made in Comunello



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

Technology in gates for now and for the future.

The Comunello Group of companies is built on a solid, reliable, well-structured manufacturing base. The Group comprises 4 Divisions with all products from each Division 100% designed and manufactured at the company premises 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 105 countries worldwide.



Una società con 50 anni di esperienza nella produzione, una chiara visione internazionale basata sulla qualità della nostra progettazione, la nostra tecnologia rivoluzionaria, la solidità della nostra produzione, e il nostro impegno nell'Assistenza tecnica e cura del cliente. Tecnologia del cancello per oggi e per il futuro.

Il gruppo Comunello è costruito su una solida e affidabile base produttiva ben strutturata. Il gruppo si compone di 4 divisioni con il 100% dei prodotti di ciascuna divisione progettato e realizzato in Italia. Questo controllo totale sui processi di produzione garantisce i massimi livelli di qualità. Comunello è stata fondata nel 1965 e oggi esporta in più di 105 paesi in tutto il mondo.

By multiplying our efforts,
summing our energies
and dividing our skills,
we're ready for every new
challenge the future holds.

Today, after 50 years,
it's a mathematical certainty:

There is strength in division



*Moltiplicando i nostri sforzi,
sommando le nostre energie,
non sottraendoci mai
alle sfide del mercato,
dividendo le nostre competenze.*

*Oggi, dopo 50 anni, abbiamo
la matematica certezza:*

La divisione fa la forza

 **COMUNELLO**
FRAME DIVISION

 **COMUNELLO**
FRAME AUTOMATION

GENERAL TERMS OF SALE

1. GENERAL

- 1.1 This document is directed at the customers (hereinafter referred to as "Customers") of FRATELLI COMUNELLO SPA (hereinafter referred to as "FRATELLI COMUNELLO SPA").
- 1.2 It is intended to define the provisions regulating all purchase contracts entered into between FRATELLI COMUNELLO SPA and each Customer (hereinafter referred to as "General Conditions of Sale").
- 1.3 Purchase agreements subject to the General Conditions of Sale cover Products bearing the COMUNELLO brand (hereinafter referred to as "the Products").

2. PRELIMINARY OFFERS

- 2.1 Offers put forward by FRATELLI COMUNELLO to the Customers shall be valid for a maximum period of 15 (fifteen) days from the date on which they are sent.

3. ORDERS

- 3.1 Pursuant to article 1329 of the Italian Civil Code, purchase orders signed by the Customers and addressed to FRATELLI COMUNELLO SPA constitute an established, irrevocable offer, valid for a period of 30 (thirty) days from the date on which they are received by FRATELLI COMUNELLO SPA.
- 3.2 The purchase agreement is executed once:
 - a) the purchase order is confirmed in writing by FRATELLI COMUNELLO SPA;
 - b) the purchase order is physically processed by FRATELLI COMUNELLO SPA.
- 3.3 Variations or additions to the individual provisions contained in the General Conditions of Sale or the purchase order will only be effective if expressly approved in writing by FRATELLI COMUNELLO SPA. If the purchase order is modified, FRATELLI COMUNELLO SPA reserves the right to cancel both the variations made and the original purchase order.
- 3.4 The date indicated in purchase orders for the delivery of the Products is always and in any event intended merely as an indication and any delays beyond the fixed date will not justify any claims for compensation or actions to terminate the agreement. More precisely, FRATELLI COMUNELLO SPA reserves the right to extend the delivery terms and to cancel the purchase order due to events of force majeure or events that are beyond its control; a change in the Customer's legal status; difficulties affecting the supply of raw materials or components.

4. DELIVERY AND SHIPMENT

- 4.1 The Products are delivered to either the production premises or the registered office of FRATELLI COMUNELLO SPA (hereinafter referred to as "Delivery").
- 4.2 If the Products are delivered Ex-works Cassola (VI) INCOTERMS 2020, risk will pass at the time of Delivery of the Products by FRATELLI COMUNELLO SPA to the Customer, who will also bear the transportation costs.
- 4.3 Unless otherwise agreed, FRATELLI COMUNELLO SPA establishes, in the Customer's name and on its behalf, the transportation route and carrier.
- 4.4 FRATELLI COMUNELLO SPA reserves the right to process partially or make partial Deliveries of purchase orders. The Customer may not make any objection regarding fractioned and/or partial deliveries. All partial Deliveries must be invoiced separately and the terms for payment will run from the date of each invoice. Payment of partial Deliveries may not be postponed until the final Delivery under the original purchase order. In the case of partial deliveries, the provisions contained in clause 4.1 will apply.

5. PRICES AND PRICE LISTS

- 5.1 The term price refers to that indicated in the latest FRATELLI COMUNELLO SPA price list, for the Products delivered to the Customer, normal packaging included, shipping costs excluded (hereinafter referred to as the "Price"). The latest price list issued by FRATELLI COMUNELLO SPA invalidates all previous price lists.

6. PAYMENT

- 6.1 The Price must be settled by the agreed date. Without prejudice to the right to claim further damage, failure to pay the Price by that date will give rise to the payment of interest for delay in commercial transactions, at the rate envisaged in Legislative Decree no. 231 dated 9.10.2002 and subsequent amendments and additions thereto. This interest will run from the date on which payment should have been made.
- 6.2 The Customer may not make applications or complaints to FRATELLI COMUNELLO SPA until the Price has been settled.
- 6.3 If payments have not been duly made, FRATELLI COMUNELLO SPA reserves the right to block all purchase orders and all Deliveries underway, without giving any prior notice or creating any right to compensation for any damage incurred.

7. RETURNED GOODS AND COMPLAINTS

- 7.1 All complaints must be made in writing within 8 (eight) days from receipt of the Products, whether they relate to either the quantity or the quality of the Products delivered.
- 7.2 Returned Products will only be accepted by FRATELLI COMUNELLO SPA if first agreed upon in writing and exclusively in relation to Products which are new and intact and still in their original packaging.
- 7.3 Goods returned must be accompanied by an appropriate transportation document for the return of merchandise, referring to the written authorisation obtained from FRATELLI COMUNELLO SPA and the quantity and quality of the Products.
- 7.4 Returned goods will not be held to have been accepted by FRATELLI COMUNELLO SPA if not delivered in the manner described above and, in particular, the delivery of the Products to the registered office or storage premises or FRATELLI COMUNELLO SPA will not be considered as an acceptance of returned goods.
- 7.5 It is understood that any amount credited with reference to goods returned for reasons that are not attributable to FRATELLI COMUNELLO SPA will be decreased by 30%.

8. WARRANTY

- 8.1 This warranty is supplied as part of commercial dealings or in the event of the sale of goods for professional use in keeping with article 1512 of the Italian Civil Code and, unless otherwise agreed by the Parties, is limited to the repair or replacement of the Product parts recognised by FRATELLI

COMUNELLO SPA as defective with equivalent repaired Products (hereinafter referred to as the "Standard Warranty"). The labor cost necessary for replacements and repairs is charged to the buyer.

- 8.2 The provisions contained in articles 1490-1495 of the Italian Civil Code, relating to legal warranties, do not apply.
- 8.3 FRATELLI COMUNELLO SPA warrants that the Products are in good working order. Unless otherwise agreed, the Standard Warranty is valid for a period of 24 (twenty-four) months from the date of production, established for the Products. The warranty for the tubular motors in the Showin line is valid for 60 (sixty) months from the date of production, whilst for the remaining Products in the Frame Automation line the warranty is valid for a period of 36 (thirty-six) months from the date of production. The validity of the Standard Warranty is conditional upon conformity of the technical characteristics and adoption of correct installation, executed in a workmanlike manner, safety and maintenance methods and conformity of use, expressly indicated in the technical documentation accompanying the Products.
- 8.4 The warranty does not cover: faults or damage caused by transportation; faults or damage caused by defects in the electric supply system installed at the premises of the purchaser of the Product and/or negligence, inadequacy or improper use of that system; faults or damage resulting from tampering on the part of non-authorized personnel or as a result of incorrect use/installation (in this regard, we recommend that the system be serviced at least every six months) or utilisation of non-original spare parts; defects caused by chemical agents and/or atmospheric conditions. The warranty does not cover the cost of expendable material nor expenses stemming from presumed defects or unnecessary inspections.
- 8.5 Implementation of warranty: unless otherwise agreed, the right to apply the Standard Warranty is exercised by presenting a copy of the purchase document (fiscal invoice) to FRATELLI COMUNELLO SPA. The Customer must report the defect to FRATELLI COMUNELLO SPA within a period of 30 (thirty) days from the date on which it is discovered. Action must be taken within the statutory limitation period of 6 (six) months from the date of discovery. The parts of the Products for which a claim is made under the Standard Warranty must be sent by the Customer to FRATELLI COMUNELLO SPA Via Cassola 64 c.p. 79, 36027 Rosà (VI) Italy.
- 8.6 The Customer may not claim compensation for consequential damage, loss of profit, loss of production or may not in any event claim as compensation sums exceeding the value of the components or the Products supplied. All expenses relating to the transportation of the Products to be repaired or repaired, even if covered by the Standard Warranty, are borne by the Customer.
- 8.7 No external operation carried out by FRATELLI COMUNELLO SPA technical staff is covered by the Standard Warranty.
- 8.8 Specific modifications to the conditions contained in the Standard Warranty described herein may be established by the Parties in their sales agreements.

9. REPAIRS

- 9.1 Repairs to the Products requested by the Customer will be carried out by FRATELLI COMUNELLO SPA, having first agreed on the cost of the operation. In any event labour and transportation (to and from its premises) will be borne by the Customer.

10. RETENTION OF TITLE

- 10.1 It is expressly agreed that title to the Products will remain with FRATELLI COMUNELLO SPA until the Price has been fully settled by the Customer, regardless of whether it has possession of the said Products. Transportation costs and other expenses proving necessary to recover Products, such as extraordinary and recurring expenses, will be borne by the Customer.

11. PATENTS, TRADEMARKS AND DISTINCTIVE SIGNS

- 11.1 The Customer is aware of the fact that the Products are covered by patents and are the subject of Know-How and designs owned exclusively by FRATELLI COMUNELLO SPA, in keeping with the Italian Industrial Property Code.
- 11.2 It is expressly directed that the Customer must not under any circumstances infringe the rights of FRATELLI COMUNELLO SPA and the Customer may not in any event remove, delete or in any way alter trademarks or other distinctive signs or marks of any kind affixed to the Products, nor may it affix to them new marks or signs of any kind. No form of reproduction or use of the FRATELLI COMUNELLO SPA trademark or any other distinctive sign attached to the Products is permitted, without written authorisation from FRATELLI COMUNELLO SPA.

12. EXPRESS TERMINATION

- 12.1 Within the meaning and for the purposes envisaged in article 1456 of the Italian Civil Code, default in payment or payment delayed beyond ten days of the Price by the Customer, even if only partial, in the manner described in clause 6 of these General Conditions of Sale, will result in the termination of the purchase agreement and entitle FRATELLI COMUNELLO SPA to demand compensation of damage incurred from the Customer, as well as the return of those Products for which the Customer has not yet paid the Price.
- 12.2 The notice referred to in the previous sub-clause must be transmitted by registered mail with advice of receipt or by certified electronic mail.

13. AGREEMENTS BETWEEN THE PARTIES

- 13.1 Any agreements, already existing or entered into subsequently, between FRATELLI COMUNELLO SPA and the Customer, in relation to returned goods and methods of payment will prevail over the provisions contained in the General Conditions of Sale.

14. APPLICABLE LAW AND JURISDICTION

- 14.1 Purchase agreements stipulated in accordance with the General Conditions of Sale are subject to and must be construed in accordance with Italian law, excluding any other legislation or laws.
- 14.2 Any dispute that may arise in relation to the aforementioned purchase agreements shall be subject to Italian jurisdiction and referred exclusively to the Court of Vicenza (Italy). The contents of this catalogue may be modified at any time without the need for prior notice from Fratelli Comunello SPA.

CONDIZIONI GENERALI DI VENDITA

1. GENERALITÀ

- 1.1 Il presente documento si rivolge ai clienti (di seguito "Clienti") di FRATELLI COMUNELLO SPA (di seguito "FRATELLI COMUNELLO SPA").
- 1.2 Esso intende definire le disposizioni che disciplineranno tutti i contratti d'acquisto stipulati tra FRATELLI COMUNELLO SPA e ciascun Cliente (di seguito "Condizioni Generali di Vendita").
- 1.3 I contratti d'acquisto assoggettati alle Condizioni Generali di Vendita hanno ad oggetto i prodotti con marchio COMUNELLO (di seguito "Prodotti").

2. OFFERTE PREVENTIVI

- 2.1 Le offerte formulate da FRATELLI COMUNELLO SPA ai Clienti conservano efficacia per un periodo massimo di 15 (quindici) giorni dalla data di invio delle stesse.

3. ORDINI

- 3.1 Ai sensi dell'articolo 1329 c.c., gli ordini d'acquisto sottoscritti dai Clienti ed indirizzati a FRATELLI COMUNELLO SPA costituiscono proposta ferma ed irrevocabile per un periodo di 30 (trenta) giorni dalla data della loro ricezione da parte di FRATELLI COMUNELLO SPA.
- 3.2 Il contratto d'acquisto si perfeziona con:
 - a) la conferma scritta dell'ordine d'acquisto da parte di FRATELLI COMUNELLO SPA;
 - b) con l'esecuzione materiale dell'ordine d'acquisto da parte di FRATELLI COMUNELLO SPA.
- 3.3 Qualsiasi modifica o integrazione di singole disposizioni delle Condizioni Generali di Vendita o dell'ordine d'acquisto sono prive di efficacia se non espressamente approvate per iscritto da FRATELLI COMUNELLO SPA. In caso di modifiche all'ordine d'acquisto, FRATELLI COMUNELLO SPA si riserva il diritto di annullare le modifiche sia l'ordine d'acquisto originario.
- 3.4 La data di consegna dei Prodotti indicata negli ordini d'acquisto ha sempre e comunque valore esclusivamente indicativo ed eventuali ritardi rispetto a tale termine non costituiscono titolo per richieste risarcitorie o per azione di risoluzione del contratto. In particolare FRATELLI COMUNELLO SPA si riserva la facoltà di prorogare i termini di consegna nonché di annullare l'ordine d'acquisto per cause di forza maggiore o eventi non dipendenti dalla sua volontà; cambiamento della situazione giuridica del Cliente; difficoltà di approvvigionamenti di materie prime e componenti.

4. CONSEGNA E SPEDIZIONE

- 4.1 I Prodotti vengono consegnati nel luogo di produzione ovvero presso la sede legale di FRATELLI COMUNELLO SPA (di seguito "Consegna").
- 4.2 Nel caso in cui i Prodotti siano consegnati Ex-works Cassola (VI) INCOTERMS 2020, il passaggio del rischio si realizza dal momento della Consegna dei Prodotti da parte di FRATELLI COMUNELLO SPA al Cliente, il quale assume inoltre i costi del trasporto.
- 4.3 Salvo diverso accordo, FRATELLI COMUNELLO SPA stabilisce, in nome e per conto del Cliente, il tipo di spedizione, la via di trasporto e il vettore.
- 4.4 FRATELLI COMUNELLO SPA si riserva la facoltà di effettuare esecuzioni o Consegne parziali degli ordini d'acquisto. Il Cliente non potrà sollevare contestazione alcuna in ordine a consegne frazionate e/o parziali. Tutte le Consegne parziali verranno fatturate autonomamente ed i termini di pagamento decorreranno dalla data di ciascuna fattura. Il pagamento delle Consegne parziali non potrà essere differito all'ultimazione delle Consegne relative all'ordine d'acquisto originario. Anche in caso di consegne parziali, troverà applicazione quanto stabilito dall'articolo 4.1.

5. PREZZI E LISTINI

- 5.1 Per prezzo si intende quello indicato nell'ultimo listino FRATELLI COMUNELLO SPA, per i Prodotti consegnati al Cliente, imballaggio normale compreso, e spese di spedizione escluse (di seguito "Prezzo"). L'ultimo listino emesso da FRATELLI COMUNELLO SPA annulla tutti i listini precedenti.

6. PAGAMENTO

- 6.1 Il pagamento del Prezzo dovrà avvenire entro il termine pattuito. Fatto salvo il maggior danno, il mancato pagamento del Prezzo entro tale termine determinerà la decorrenza di interessi per il ritardo di pagamento nelle transazioni commerciali, nella misura prevista dal D. Lgs. n. 231 del 9.10.2002 e successive modifiche ed integrazioni. Tali interessi decorreranno dalla scadenza del termine di pagamento.
- 6.2 Il Cliente non potrà proporre domande né formulare eccezioni nei confronti di FRATELLI COMUNELLO SPA se non dopo aver provveduto al pagamento del Prezzo.
- 6.3 In caso di irregolarità nei pagamenti, FRATELLI COMUNELLO SPA si riserva il diritto di bloccare tutti gli ordini d'acquisto nonché tutte le Consegne in corso, senza alcun preavviso né diritto di risarcimento di alcun danno.

7. RESI E RECLAMI

- 7.1 Tutti i reclami devono essere formulati per iscritto entro 8 (otto) giorni dalla ricezione dei Prodotti, siano essi relativi alla quantità o alla qualità dei Prodotti consegnati.
- 7.2 I resi dei Prodotti consegnati verranno accettati da FRATELLI COMUNELLO SPA soltanto previo accordo scritto ed esclusivamente con riguardo a Prodotti nuovi e completi di imballaggio originale.
- 7.3 I resi dovranno essere accompagnati dall'apposito documento di trasporto di reso, indicante l'autorizzazione scritta di FRATELLI COMUNELLO SPA nonché la quantità e la qualità dei Prodotti.
- 7.4 I resi non potranno considerarsi accettati da FRATELLI COMUNELLO SPA se non effettuati con le modalità di cui sopra ed in particolare non potrà intendersi quale accettazione di resi la presa in consegna di Prodotti presso la sede o i depositi di FRATELLI COMUNELLO SPA.
- 7.5 Resta inteso che l'accredito riferito a resi non dovuti a cause imputabili alla FRATELLI COMUNELLO SPA, subirà un deprezzamento del 30%.

8. GARANZIA

- 8.1 La presente garanzia nei rapporti commerciali o in caso di vendita di beni per uso professionale è fornita in ottemperanza dell'articolo 1512 del Codice Civile italiano e, salvo diversi accordi tra le Parti, essa è limitata alla riparazione o sostituzione del pezzo del Prodotto riconosciuto da FRATELLI COMUNELLO SPA quale difettoso mediante Prodotti rigenerati equivalenti (di seguito "Garanzia Convenzionale"). Il costo di manodopera necessario per le riparazioni e sostituzioni rimane a carico dell'acquirente.

- 8.2 È esclusa l'applicazione della disciplina dettata dagli articoli 1490-1495 del Codice Civile, in materia di garanzia legale.
- 8.3 FRATELLI COMUNELLO SPA garantisce il funzionamento dei Prodotti. Salvo diverso accordo, la validità della Garanzia Convenzionale è di 24 (ventiquattro) mesi dalla data di produzione, rilevabile sui Prodotti. Per i motori tubolari linea Showin la garanzia è di 60 (sessanta) mesi dalla data di produzione, mentre per i restanti prodotti della linea Frame Automation la garanzia è di 36 (trentasei) mesi dalla data di produzione. La Garanzia Convenzionale è subordinata al rispetto delle caratteristiche tecniche e alle corrette modalità di installazione secondo la regola dell'arte, sicurezza, manutenzione e conformità d'utilizzo, espressamente indicate nella documentazione tecnica dei Prodotti.
- 8.4 La garanzia non comprende: avarie o danni causati dal trasporto; avarie o danni causati da vizi dell'impianto elettrico presente presso l'acquirente il prodotto e/o da trascuratezza, negligenza, inadeguatezza, uso anomalo di tale impianto; avarie o danni dovuti a manomissioni poste in essere da parte di personale non autorizzato o conseguenti allo scorrimento uso/installazione (a questo proposito, si consiglia una manutenzione del sistema almeno ogni sei mesi) o all'impiego di pezzi di ricambio non originali; difetti causati da agenti chimici e/o fenomeni atmosferici. La garanzia non comprende il costo per materiale di consumo né quello per vizi presunti o verifiche di comodo.
- 8.5 Termini attuativi: salvo diverso accordo, il diritto alla Garanzia Convenzionale si esercita esibendo copia del documento di acquisto (fattura fiscale) a FRATELLI COMUNELLO SPA. Il Cliente deve denunciare il difetto a FRATELLI COMUNELLO SPA entro il termine di decadenza di 30 (trenta) giorni dalla scoperta. L'azione deve essere esercitata entro il termine di prescrizione di 6 (sei) mesi dalla scoperta. I pezzi dei Prodotti per i quali viene richiesta l'attivazione della Garanzia Convenzionale devono essere spediti dal Cliente presso FRATELLI COMUNELLO SPA Via Cassola 64 c.p. 79, 36027 Rosà (VI) Italia.
- 8.6 Il Cliente non potrà richiedere il risarcimento di danni indiretti, mancati profitti, perdita di produzione ed in ogni caso non potrà pretendere a titolo di risarcimento somme superiori al valore dei componenti o dei Prodotti forniti. Tutte le spese per il trasporto dei Prodotti da riparare o riparati, anche se coperti dalla Garanzia Convenzionale, sono a carico del Cliente.
- 8.7 Nessun intervento esterno effettuato dal personale tecnico di FRATELLI COMUNELLO SPA è coperto dalla Garanzia Convenzionale.
- 8.8 Modifiche specifiche delle condizioni della Garanzia Convenzionale qui descritte possono essere definite dalle parti nei propri contratti commerciali.

9. RIPARAZIONI

- 9.1 Le riparazioni dei Prodotti richieste dal Cliente verranno effettuate da FRATELLI COMUNELLO SPA, previo accordo sul costo dell'intervento. In ogni caso le spese per la manodopera e quelle di spedizione (andata e ritorno) rimarranno a carico del Cliente.

10. RISERVA DI PROPRIETÀ

- 10.1 Per convenzione espressa, i Prodotti rimangono di proprietà di FRATELLI COMUNELLO SPA fino al saldo integrale del Prezzo da parte del Cliente, indipendentemente da chi abbia la detenzione dei Prodotti. Le spese di trasporto e le altre necessarie al recupero dei Prodotti così come le spese straordinarie e quelle ripetibili, saranno a carico del Cliente.

11. BREVETTI, MARCHI E SEGNI DISTINTIVI

- 11.1 Il Cliente è a conoscenza del fatto che i Prodotti sono coperti da brevetti e sono oggetto di Know-How e design costituenti proprietà esclusiva di FRATELLI COMUNELLO SPA, a norma del Codice della Proprietà Industriale.
- 11.2 È fatto espresso divieto al Cliente di violare tali diritti di FRATELLI COMUNELLO SPA ed in ogni caso il Cliente non potrà in alcun modo rimuovere, sopprimere o comunque alterare marchi ed altri segni distintivi o sigle di qualsiasi genere apposti ai Prodotti, così come è fatto divieto di apporre di nuovi di qualsiasi natura. È vietata inoltre qualsiasi forma di riproduzione od utilizzo del marchio FRATELLI COMUNELLO SPA e di ogni altro segno distintivo presente sui Prodotti, salvo autorizzazione scritta di FRATELLI COMUNELLO SPA.

12. CLAUSOLA RISOLUTIVA ESPRESSA

- 12.1 Ai sensi e per gli effetti dell'articolo 1456 del Codice Civile, il mancato o il ritardato pagamento superiore ai dieci giorni, anche parziale, del Prezzo da parte del Cliente, secondo le modalità di cui all'articolo 6 delle presenti Condizioni Generali di Vendita, comporterà la risoluzione del contratto di acquisto, con diritto per FRATELLI COMUNELLO SPA di chiedere al Cliente il risarcimento dei danni patiti, oltre alla restituzione dei Prodotti rispetto ai quali il Cliente non abbia pagato il Prezzo.
- 12.2 La comunicazione di cui al punto precedente sarà trasmessa tramite raccomandata a.r. o tramite Pec.

13. ACCORDI TRA LE PARTI

- 13.1 In caso di accordi, preesistenti o sopravvenuti, tra FRATELLI COMUNELLO SPA ed il Cliente, in relazione a resi e modalità di pagamento, tali accordi prevarranno su quanto a riguardo stabilito dalle Condizioni Generali di Vendita.

14. LEGGE APPLICABILE E FORO COMPETENTE

- 14.1 I contratti di acquisto conclusi secondo le Condizioni Generali di Vendita sono soggetti e devono essere interpretati secondo le norme di legge italiane, con esclusione di qualsiasi altro diritto.
- 14.2 Tutte le controversie che dovessero sorgere in merito ai suddetti contratti d'acquisto saranno assoggettate alla giurisdizione italiana e rimesse alla competenza esclusiva del Tribunale di Vicenza (Italia). Il contenuto di questo catalogo è da ritenersi suscettibile di modifica in qualsiasi momento e senza obbligo di preavviso da parte di Fratelli Comunello SPA.

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