



Albatros

INNOVATIVE
BI-FOLDING
GATE SYSTEM







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



Upper geared hinge
Cerniera con ingranaggio meccanico

1

Adjustable bracket
*Staffa per la
regolazione del
movimento*

3

Lower geared hinge with power transmtion 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

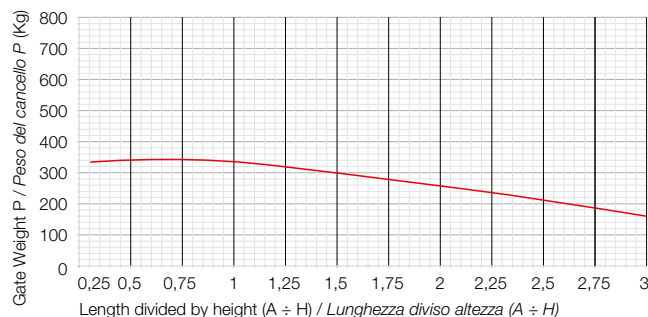


87L-M

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



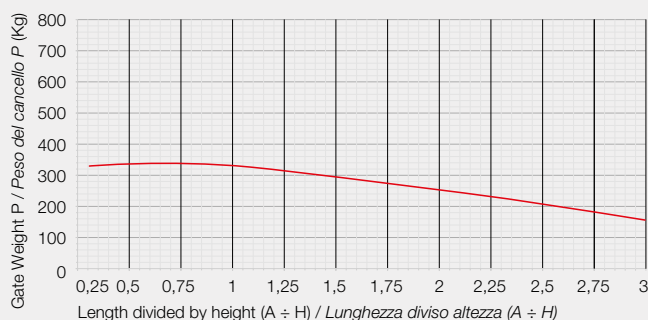
85PST-M

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



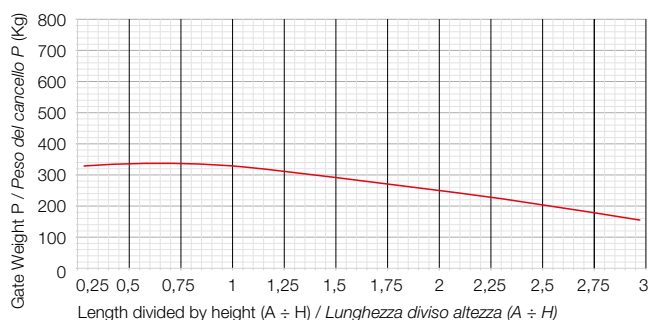
85M

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

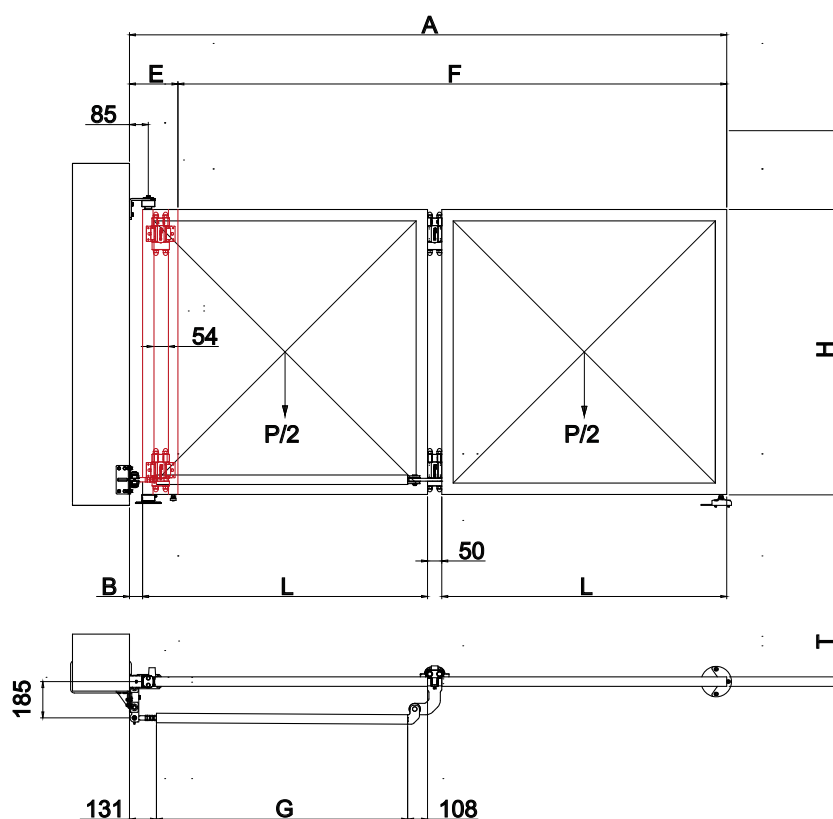


87M

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

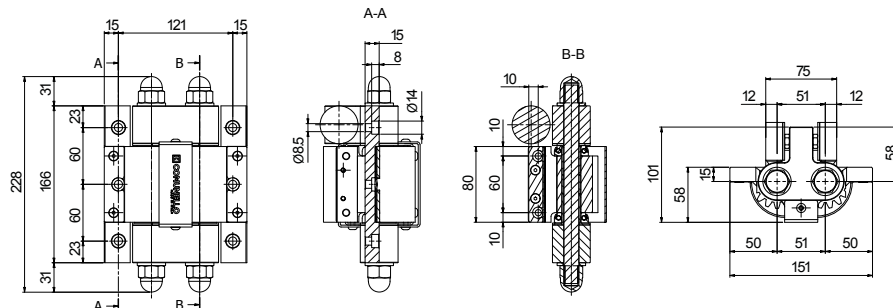
Kit Albatros ambidestro composto da 2 cerniere e sistema di movimentazione

Kit Albatros ambidextre comprenant 2 paumelles et système de mouvement

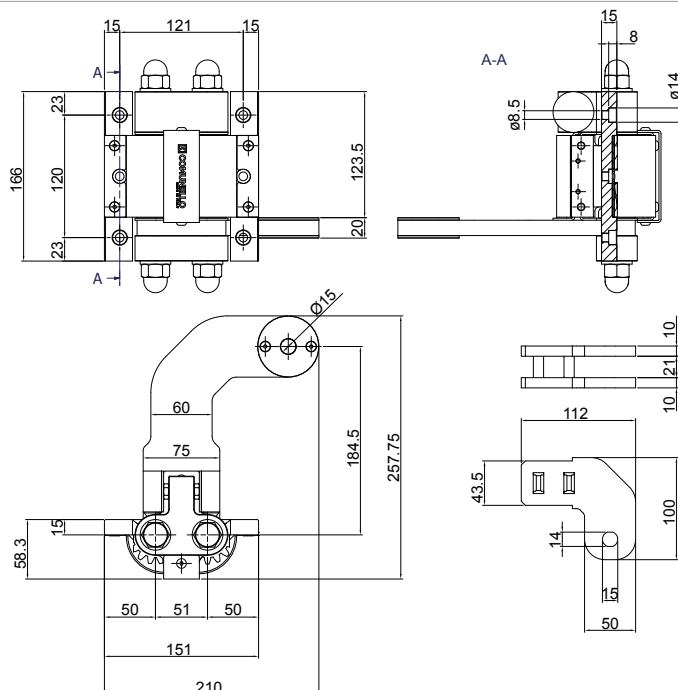
beidhändig Albatros Kit mit 2 Scharniere und Bewegungssystem

Kit Albatros ambidestro consistente en 2 bisagras y sistema de manejo

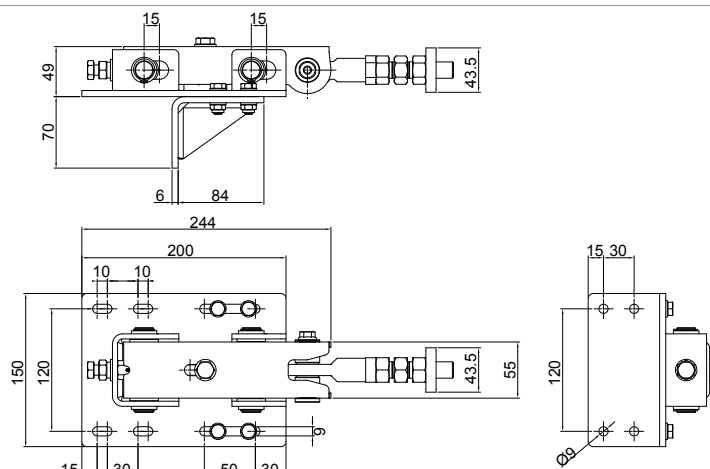
Двухсторонний комплект Albatros включающий 2 петли и система движения



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

Adjustable bracket
*Staffa per la
regolazione del
movimento*

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

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

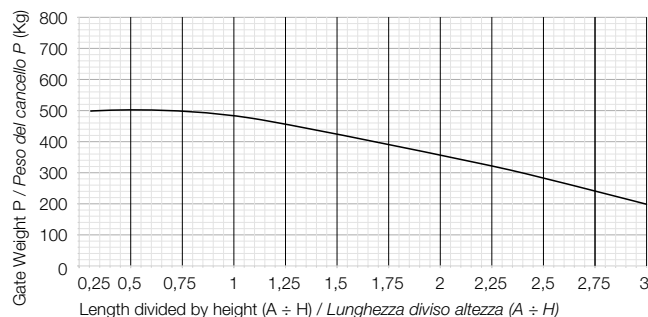


87L-G

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



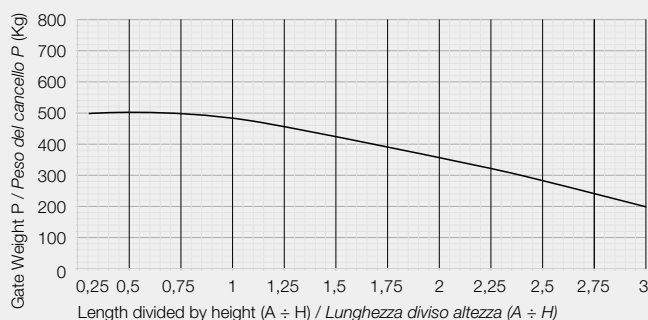
85PST-G

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



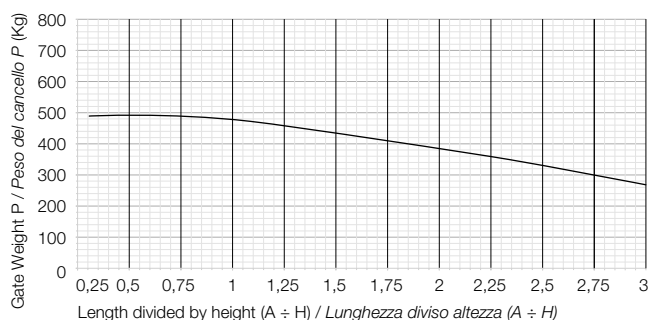
85G

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

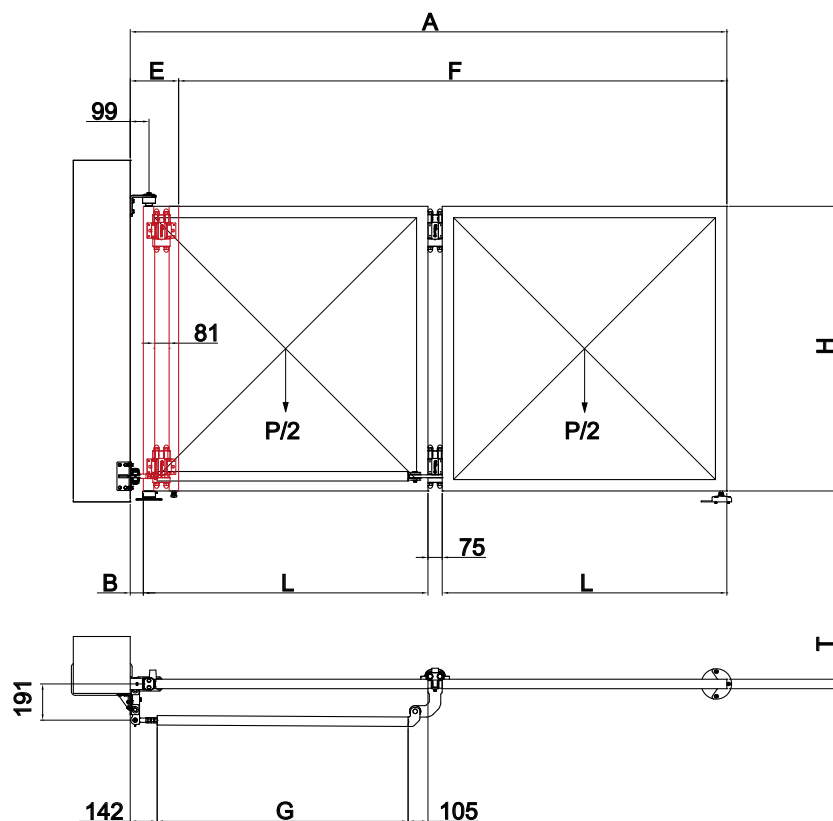


87G

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

Gedrehtelt Bodenanschlag Kit

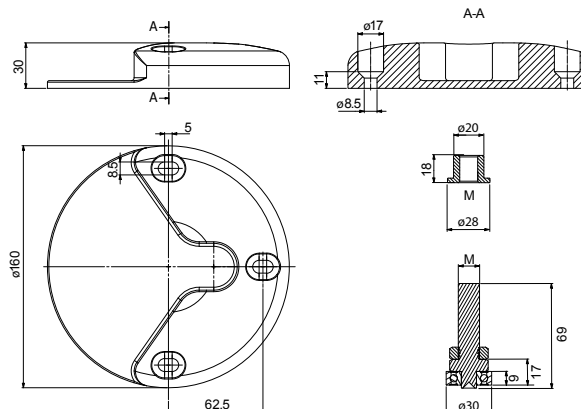
Kit encuentro para suelo torneado

Комплект точёных напольных упоров



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

Finishing: Galvanized / Zincato



ABS-16

Kit molded floor strike plate

Kit Incontro a pavimento stampato

Kit Butoir au sol moulé

Formgepressten Bodenanschlag Kit

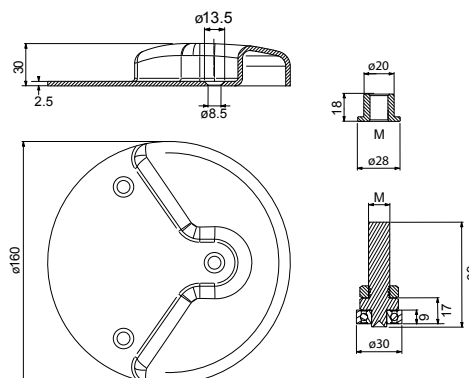
Kit encuentro para suelo moldeado

Комплект формованных напольных упоров



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

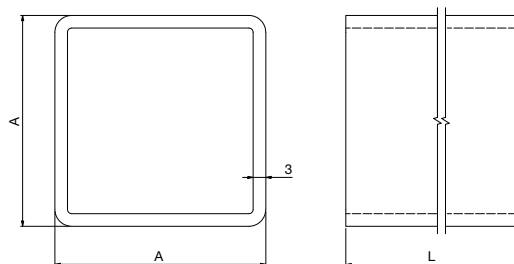
Tubular de conexión bisagra-pilar

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

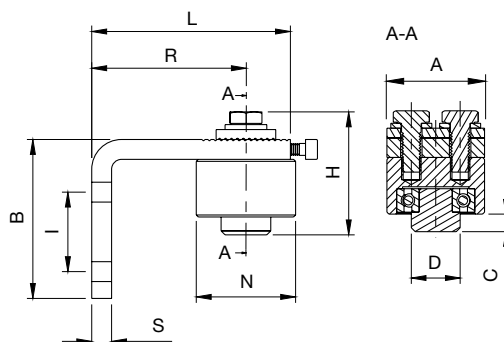


CODE	ART.	Size	A	B	C	D	H	I	L	N	R	S	Portata Capacity	Box info	
10801607 001	85L-M	Medio Ø50	50	90	9	Ø25	62	45	100	Ø48	70-85	10	350 kg	Pcs per pack	Kg
10801610 001	85L-G	Grande Ø70	60	110	15	Ø35	72	55	130	Ø68	90-105	10	500 kg	2	4.1

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

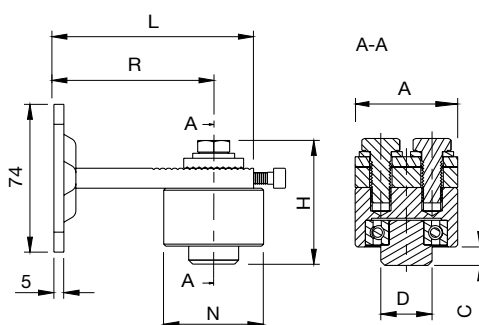


CODE	ART.	Size	A	C	D	H	L	N	R	Portata Capacity	Box info	
10801407 001	85PST-M	Medio Ø50	50	9	Ø25	62	100	Ø48	70-85	350 kg	Pcs per pack	Kg
10801410 001	85PST-G	Grande Ø70	60	15	Ø35	72	130	Ø68	90-105	500 kg	2	3.2

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

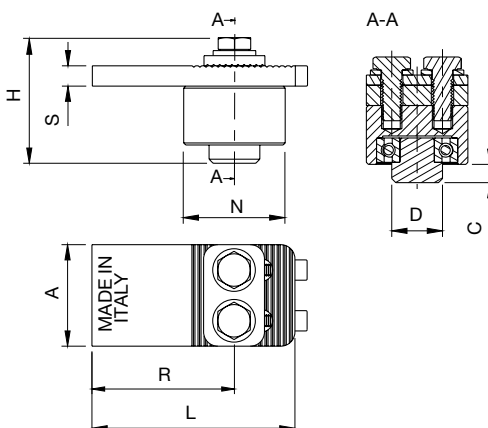


CODE	ART.	Size	A	C	D	H	L	N	R	S	Portata Capacity	Box info	
10800407 001	85M	Medio Ø50	50	9	Ø25	62	100	Ø48	70-85	10	450 kg	Pcs per pack	Kg
10800410 001	85G	Grande Ø70	60	15	Ø35	72	130	Ø68	90-105	10	650 kg	2	3.2

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

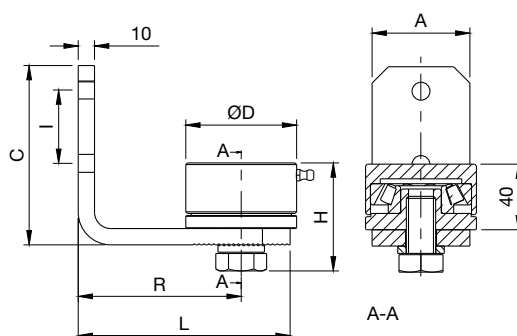


CODE	ART.	Size	A	C	D	H	I	L	R	Portata Capacity	Box info	
											Pcs per pack	Kg
10801307 001	87L-M	Medio Ø50	45	90	Ø 49	52	40	100	55-85	350 kg	4	4.0
10801310 001	87L-G	Grande Ø70	60	110	Ø 68	66	55	130	95-105	500 kg	2	4.2

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

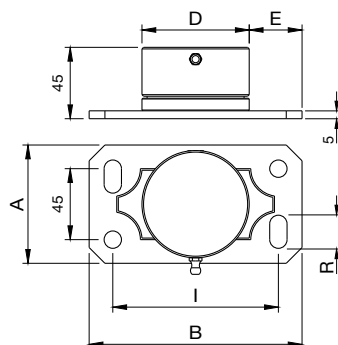


CODE	ART.	Size	A	B	D	E	I	R	Portata Capacity	Box info	
										Pcs per pack	Kg
10801207 001	87PST-M	Medio Ø 50	75	100	Ø 49	25	70	10	350 kg	2	1.2
10801210 001	87PST-G	Grande Ø 70	75	135	Ø 68	33.5	105	10	500 kg	2	2.5

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

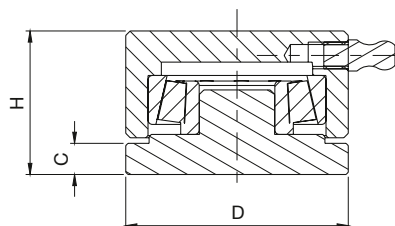


CODE	ART.	Size	C	D	H	Portata Capacity	Box info	
							Pcs per pack	Kg
10801007 001	87M	Medio Ø50	8	Ø49	32	450 kg	4	1.8
10801010 001	87G	Grande Ø70	8	Ø68	40	650 kg	2	2.0

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

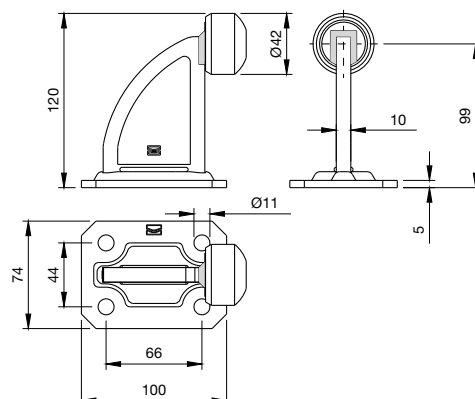
Tope de final de carrera con base para fijar

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

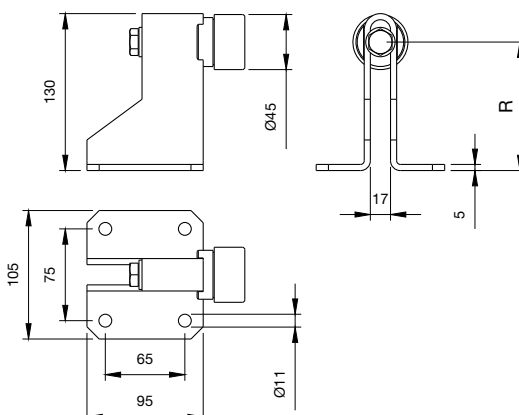
Tope de final de carrera regulable para fijar

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

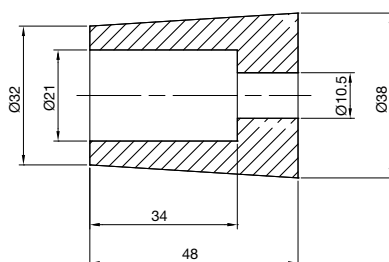
Stossdämpfer für Türe

Amortiguador hojas

Амортизирующая пробка створки



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



Gate innovation made in Comunello

