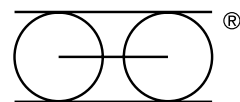




MANTION

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**CATALOGUE
SPORTUB
211A**



We offer you the widest range of fittings for sliding doors

MANTION HAS AN INTERNATIONAL REPUTATION BASED ON:

innovation and a permanent adaptation of its range of products to its customers' needs. a quality product, which responds to the requirements of the strictest standards.

THE MANTION KNOW-HOW MEANS BEFORE ALL:

its team: people with experience and great skills who do their best to keep bringing you the best service.
its permanent investment policy combined to the newest technologies.

WITH MANTION, YOU BENEFIT FROM A TOP QUALITY SERVICE:

Salesmen who listen to your needs and advise you.
A strong technical aid: an engineering department and technical advisers at your disposal.
The study and the development of special products upon request.
Very short delivery time.
Very high quality products.

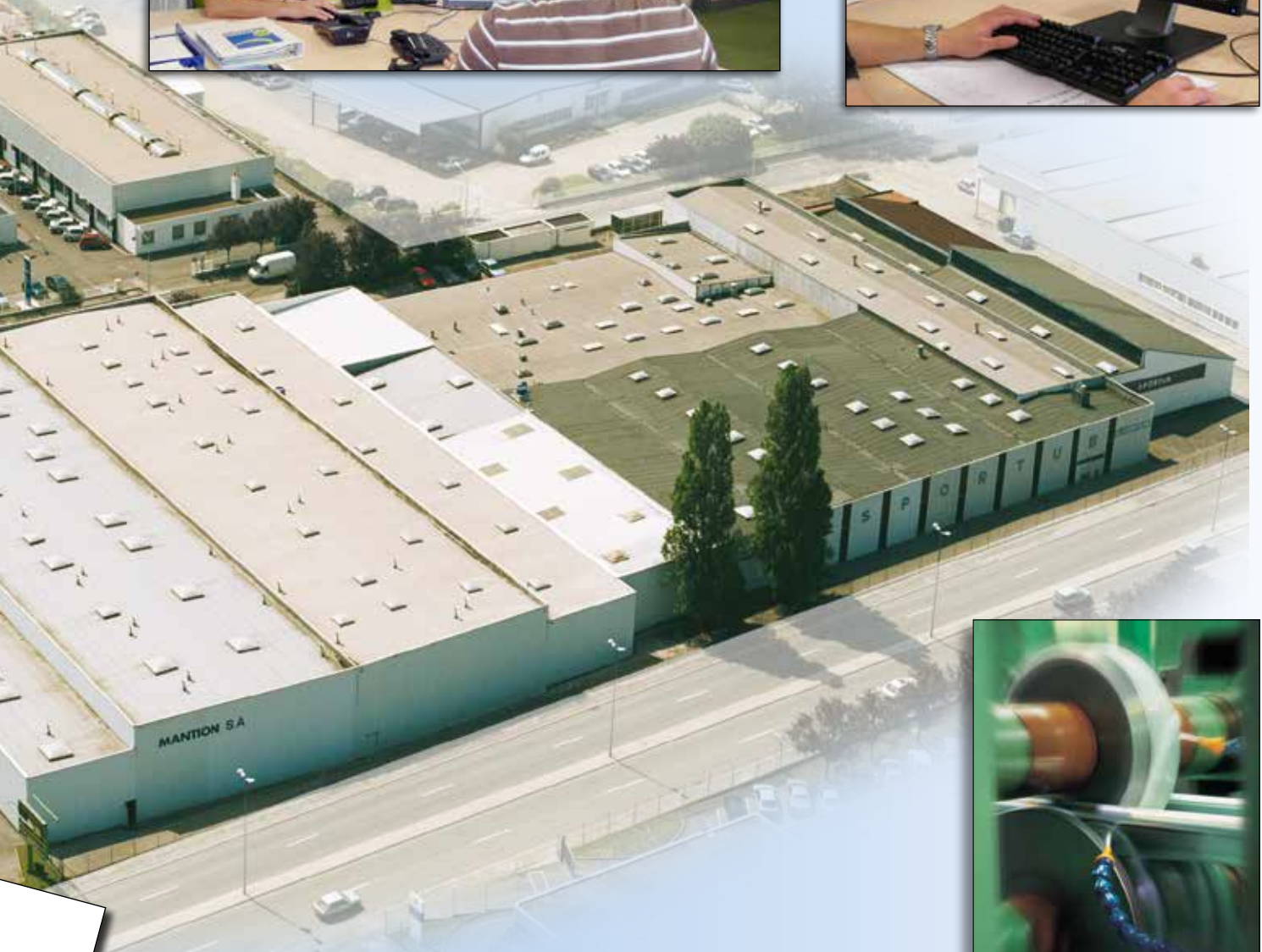
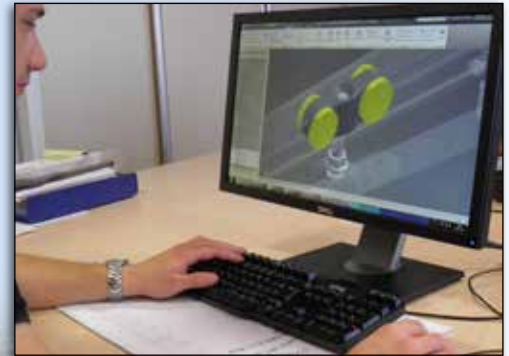
MANTION, THIS IS ALSO A COMPLETE RANGE:

Fittings for sliding and folding doors.
Fittings for sectional doors.
Fittings for glass doors.
Fittings in stainless steel quality A2 and A4.

Since **MANTION** has always cared about bringing you the best services within its organization and quality for its products, it is now up to standard:

EN ISO 9001: 2015
EN ISO 14001: 2015





TRACKS OF QUALITY

MANTION manufactures its tracks at its factory in Besançon according to its own production process. This ensures a long durability and an optimal reliability of its hardware products.



A safety insurance regarding the performance of fittings for sliding doors:

Simple and efficient:

By requiring the characteristics of a product according to the European standard, you will avoid inconvenience such as bad sliding, blocking or early wearing.

What does the European standard EN 1527 indicate?

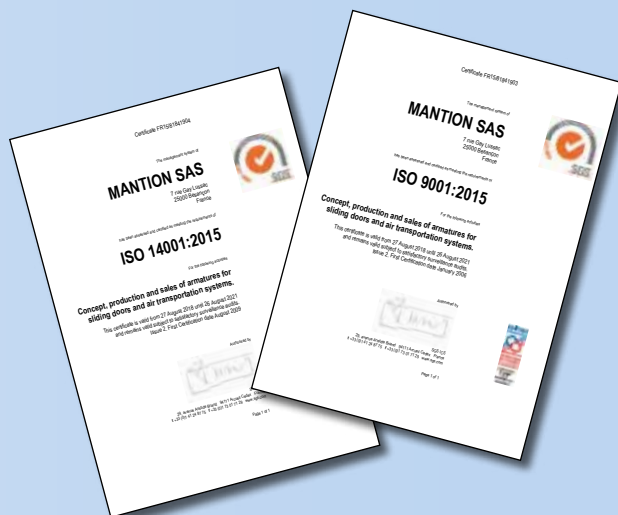
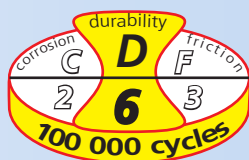
It defines **objective quality criteria for a complete set of fittings for sliding doors** (tracks, brackets, rollers, stops and guides):

- Corrosion resistance (resistance to salt spray)
- Durability (number of cycles)
- Initial friction (initial max. force required to open and close the panels)

It determines the conditions in which the tests have to be made. This allows an easy and real comparison between different competing products:

- Door under 200 kg Height: 2 meters Width: 0.80 meters
- Door over 200 kg Height: 2 meters Width: 2 meters

It indicates **the performance** of fittings according to the tests results:



CORROSION RESISTANCE [C]

grade 1	grade 2	grade 3	grade 4	grade 5
24 h*	48 h*	96 h*	240 h*	480 h*

*Numbers of hours of resistance to salt spray (Standard EN1670)

INITIAL FRICTION [F]



calculated without the use of damper closer or hydraulic closer stop

	grade 1	grade 2	grade 3
Door of 50 Kg	50 N*	30 N*	10 N*
Door from 51 to 100 Kg	80 N*	50 N*	20 N*
Door from 101 to 330 Kg	90 N*	60 N*	30 N*
Door over 330 Kg	5 %**	3 %**	2 %**

*(10N): 10 newton correspond to a force of approx. 982 g to start movement of panel

**Percentage of the mass

DURABILITY [D]














grade 1	grade 2	grade 3	grade 4	grade 5	grade 6
5 000 c*	10 000 c*	25 000 c*	50 000 c*	75 000 c*	100 000 c*

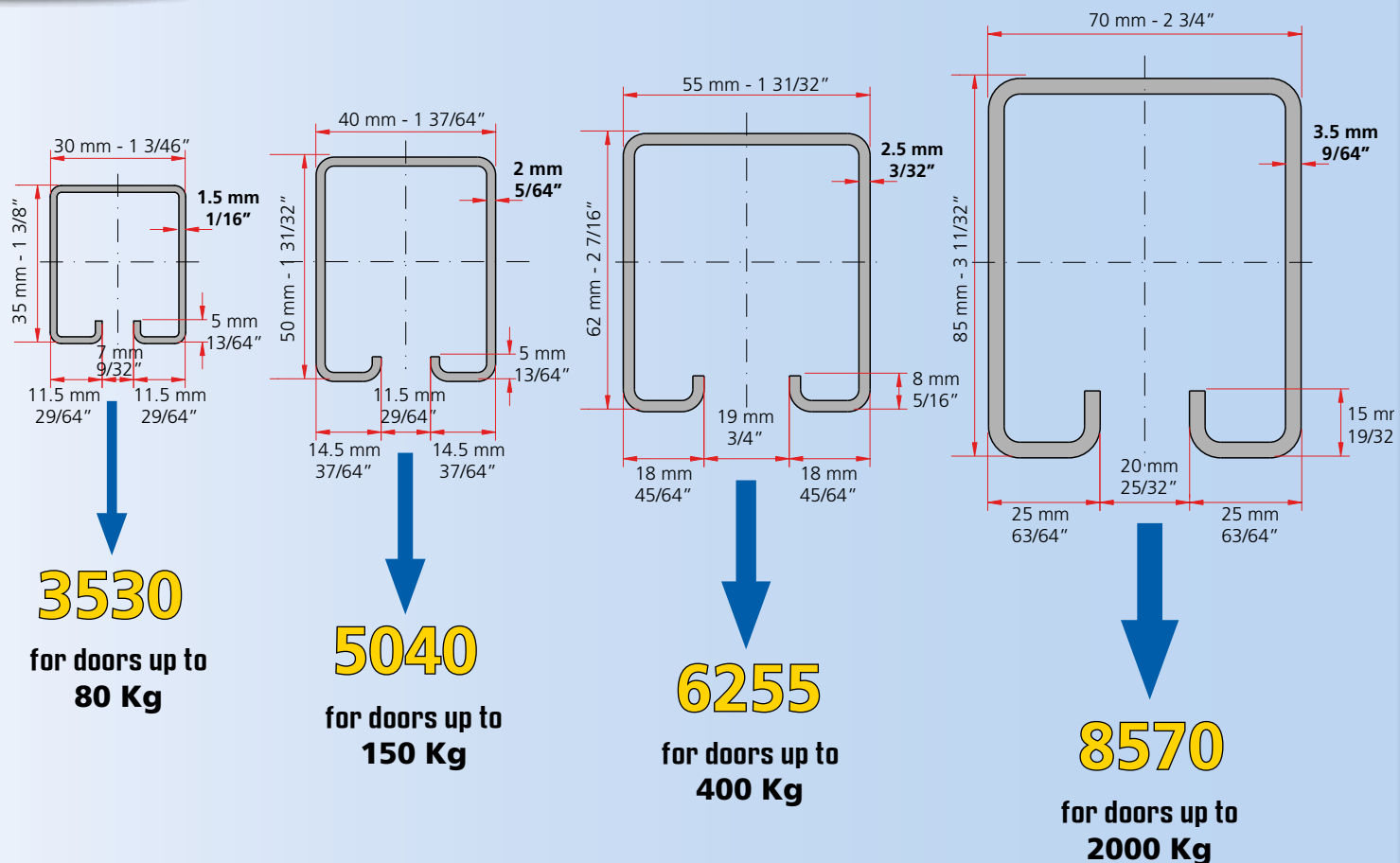
*Number of cycles

Mantion certifies* the performance of its fittings for sliding doors and gives you the guaranty of high quality products.

The different Mantion products have been designed, produced and tested to be used together. In order to avoid any technical problem or early use of fittings, require MANTION products.

* This guaranty of durability applies to complete sets of Mantion products: tracks, rollers, brackets, stops and guides which are used and installed according to Mantion instructions (capacity and number of cycles).

	200 & 2200[®] Fittings for STRAIGHT sliding doors	6
	For doors up to 80 kg maxi. For doors up to 150 kg maxi. For doors up to 400 kg maxi. For doors up to 1200 kg maxi. For doors up to 2000 kg maxi. SPORTUB sets	
	300[®] Fittings for LATERAL sliding doors	20
	With fixing type hinges With welding type hinges	
	500[®] Fittings for FOLDING doors with equal panels	26
	With fixing type hinges With welding type hinges	
	600[®] Fittings for FOLDING doors with a half panel	32
	4000[®] Fittings for UP AND OVER doors	36
	For residential use For industrial use	
	7000[®] Fittings for SECTIONAL doors (industrial use)	43
	SPORT[®] Fittings for STRAIGHT sliding doors on a flat track	47
	BOB[®] Fittings for LATERAL sliding doors on a flat track	51
	BOB 50 BOB 100	
	TRACKS & ACCESSORIES	56
	Tracks & profiles Fixing and jointing brackets Fixing plates Accessories Guides	
	HANDLING WITH MONORAILS	62
	INOX RANGE	64
	THE MANTION RANGES	65
	INDEX	66

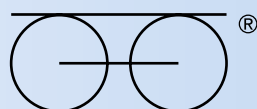


In order to guaranty high quality systems,
Mantion manufactures its own profiles:

- 3 bending and roll forming machines enable Mantion to roll any metal thickness up to 6 mm at a short time notice
- This also enables Mantion to produce special lengths on request and within a short delivery time.

Mantion can therefore improve the reliability of its products and
bring the best quality sliding systems on the market:

- All the Mantion profiles are coated with magnesium zinc (without chromium) in order to preserve all the qualities to all weather.
Number of hours of resistance to salt spray and red rust:
800 h !!
- The track **8570** is made of steel of High Limit of Elasticity. This ensures better resistance and durability.



Sliding systems for STRAIGHT SLIDING DOORS

200[®] & 2200[®] series



<i>For doors up to 80 kg</i>	<i>8-9</i>
<i>For doors up to 150 kg</i>	<i>10-11</i>
<i>For doors up to 400 kg</i>	<i>12-13</i>
<i>For doors up to 1200 kg</i>	<i>14-15</i>
<i>For doors up to 2000 kg</i>	<i>16-17</i>
<i>SPORTUB sets</i>	<i>18-19</i>

CAPACITY/DOOR: 80 kg

TRACK: 3530

MOVEMENT: STRAIGHT

- Easy and long-lasting running
- **Stable system:** the hangers are designed to be constantly in contact with the track
- **All hangers** are electrolytically treated
- The 0235A and 0235D hangers mounted on needle roller bearings are a unique Manton system
- The hanger 2235 is mounted on ball bearings
- Hangers can be mounted in 2 different ways: on the side or on the top



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TRACKS		
Item Nr	Designation	Pack.
3530/400	Galvanised track 35 x 30 mm - 4 m long.	4
3530/500	Ditto 5 m long.	4
3530/600	Ditto 6 m long.	4

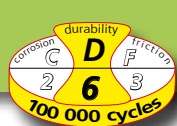


capacity per door

HANGERS & PLATES			
0235A	80 kg	Hanger, top fixing with 2 steel wheels mounted on needle roller bearings.	2
0235D		Hanger, top fixing with 2 Delrin wheels mounted on needle roller bearings.	2
2232		Hanger with swan-neck, with 4 steel wheels mounted on ball bearings.	2
2235		Hanger top fixing, with 4 steel wheels mounted on ball bearings.	2
0036		Top fixing plate, Ø M 10.	20
0036W	"U" plate for top fixing, Ø M 10.	40	
0037	Angle plate for side fixing, Ø M 10.	10	
0031	Adjustable APRON SET, 25 to 35 mm thickness. Capacity: 40 Kg	10	

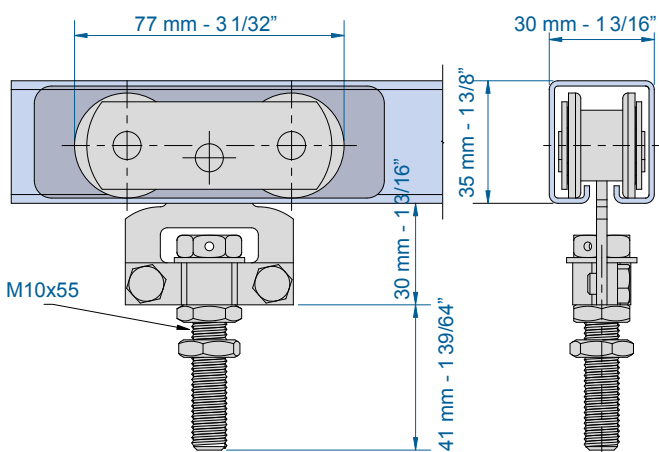


GUIDES		
1109/400	U-profile 25 x 17 mm, galvanised - 4 meter long	4
1109/500	Ditto 5 m long.	4
1109/600	Ditto 6 m long.	4
1102	Bottom guide with an olive mounted on a round ended screwing plate for U-profile 25 x 17 mm. See dimensions and assembly instructions on p. 60	20

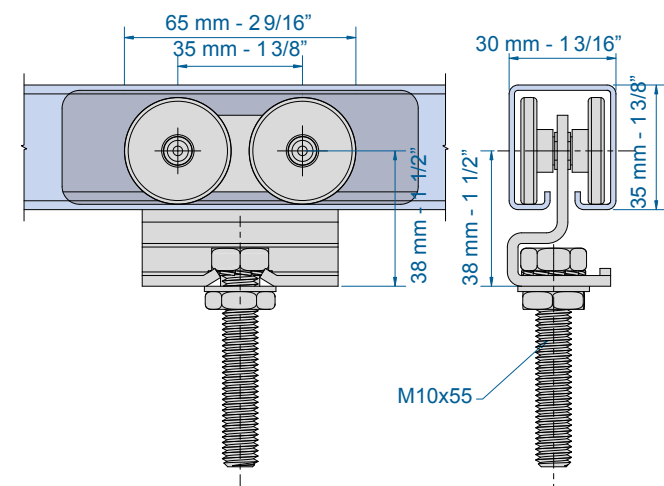
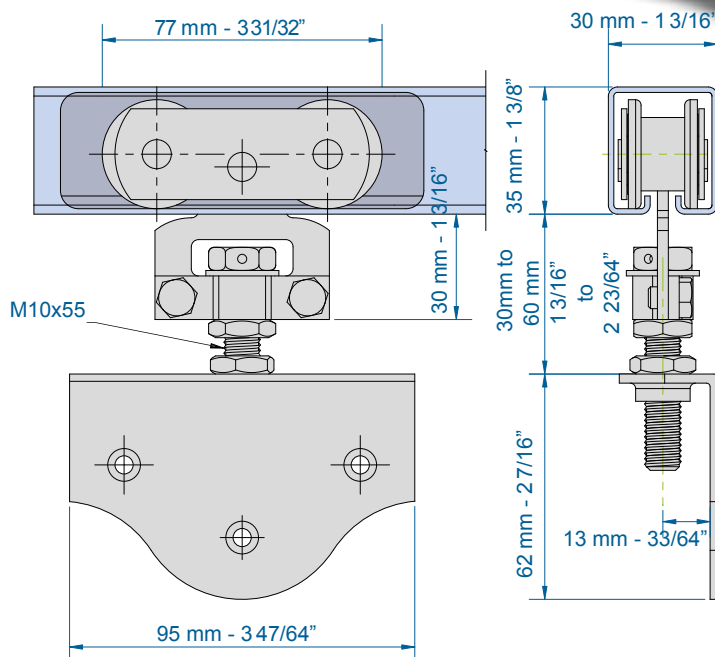


**80
KG**

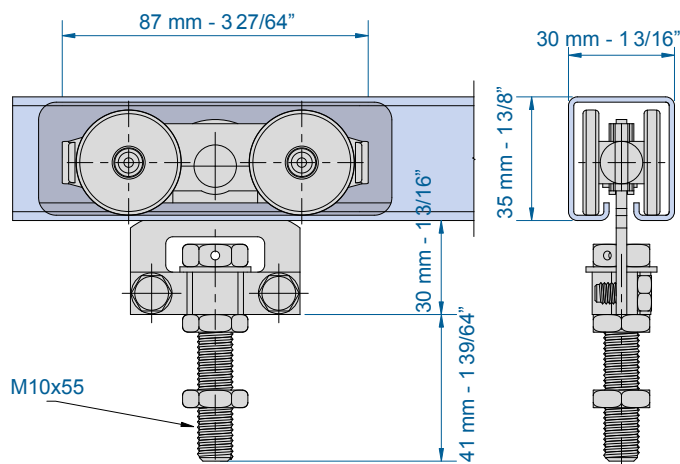
200 & 2200 series



Hangers 0235 A & 0235D



Hanger 2232



Hanger 2235

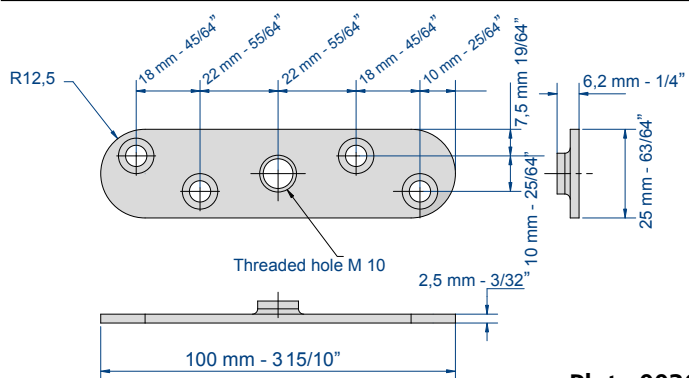


Plate 0036

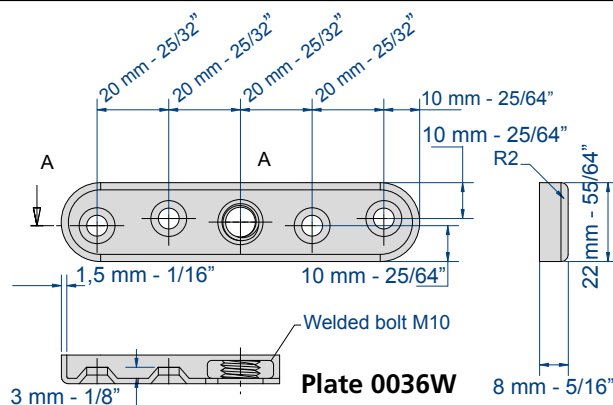


Plate 0036W

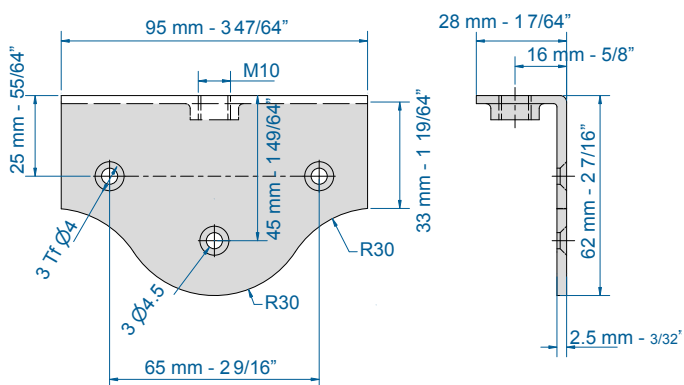
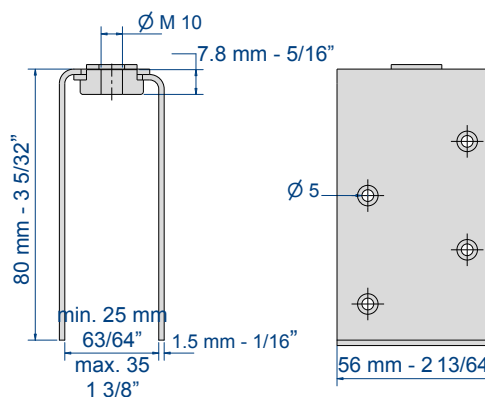


Plate 0037



Apron set 0031

CAPACITY/DOOR: 150 kg

TRACK: 5040

MOVEMENT: STRAIGHT



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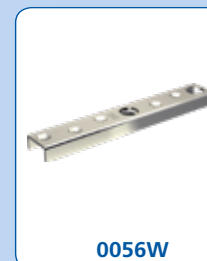
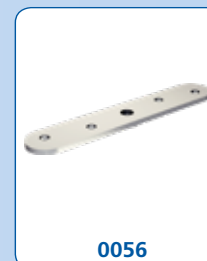
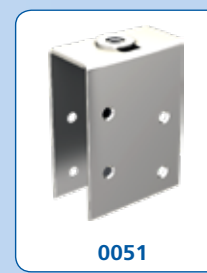
- Easy and long-lasting running
 - **Stable system:** the hangers are designed to be constantly in contact with the track
 - **All hangers** are electrolytically treated
 - A complete range of hangers: straight or with swan-neck, with 2 wheels mounted on needle roller bearings or 4 wheels mounted on ball bearings. Steel or Delrin wheels
- For special mounting: «L» version hangers with a long fixing bolt (70 mm longer than the normal version)

TRACKS		
Item Nr	Description	Pack.
5040/400	Galvanised track 50 x 40 mm - 4 m long	
5040/500	Ditto 5 m long	
5040/600	Ditto 6 m long	

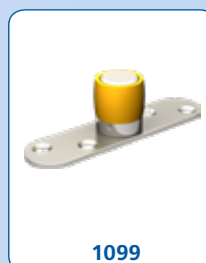


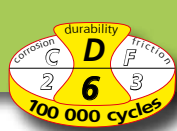
capacity per door

HANGERS & PLATES			
0251A	150 kg	Hanger side-fixing, with 2 steel wheels mounted on needle roller bearings	2
0251D		Hanger side-fixing with 2 Delrin wheels mounted on needle roller bearings	2
0255A		Hanger top-fixing, with 2 steel wheels mounted on needle roller bearings	2
0255AL		Ditto with long fixing bolt (123 mm).	2
0255D		Hanger top fixing with fixing bolt and 2 Delrin wheels mounted on needle roller bearings	2
0255DL		Ditto with long fixing bolt (123 mm).	2
02252		Hanger with swan-neck, with 4 steel wheels mounted on ball bearings.	2
02255		Hanger, top fixing, with 4 steel wheels mounted on ball bearings.	2
02255L		Ditto with long fixing bolt (123 mm).	2
0055		Welding type plate	10
0056		Screwing type plate for top fixing, Ø M 12.	10
0056W		Screwing «U» plate, for top fixing, Ø M 12.	10
0051		Adjustable apron set for panels from 40 to 50 mm thickness. Capacity: 75 kg. Top fixing, screwing type	10



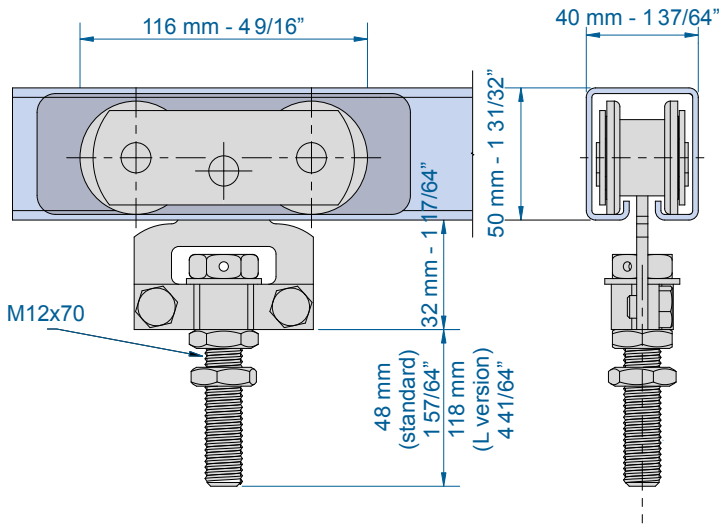
GUIDES		
1110/400	U-profile 30 x 30 mm, galvanised - 4 m long	4
1110/500	Ditto 5 m long	4
1110/600	Ditto 6 m long	4
1099	Bottom guide with olive on a round ended screwing plate, for U-profile 30 x 30 mm See dimensions and assembly instructions on p. 60	10



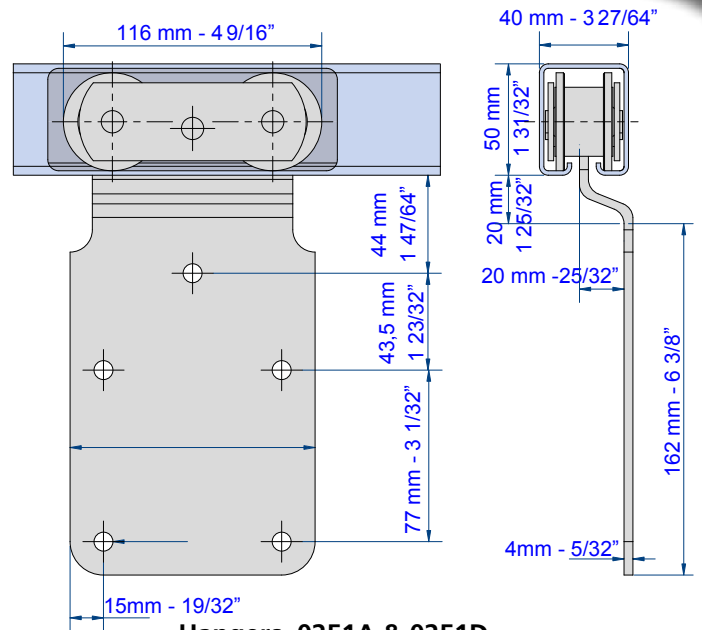


**150
KG**

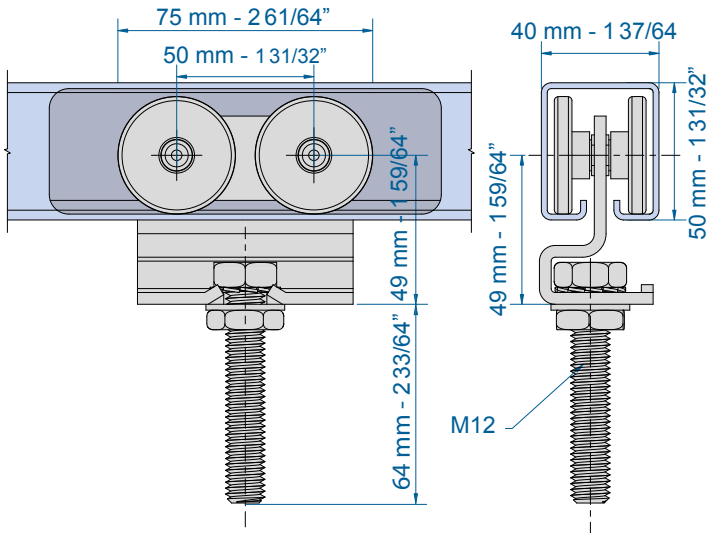
200 & 2200 series



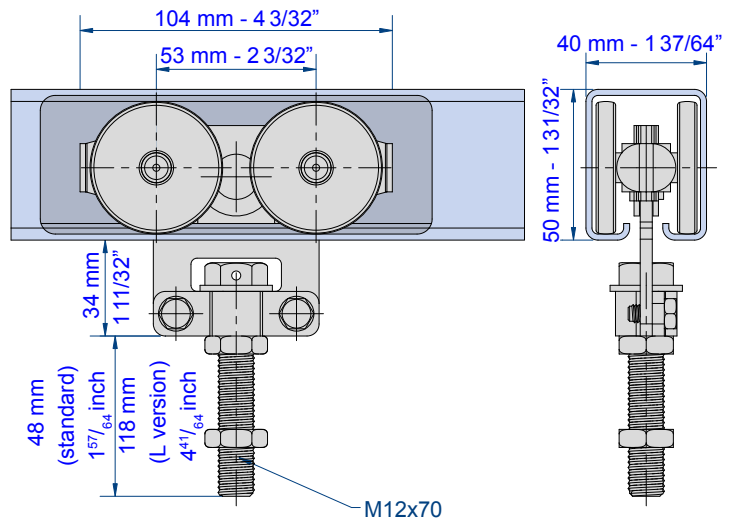
Hangers 0255A & 0255D - 0255AL & 0255DL



Hangers 0251A & 0251D



Hanger 2252



Hanger 2255 & 2255 L

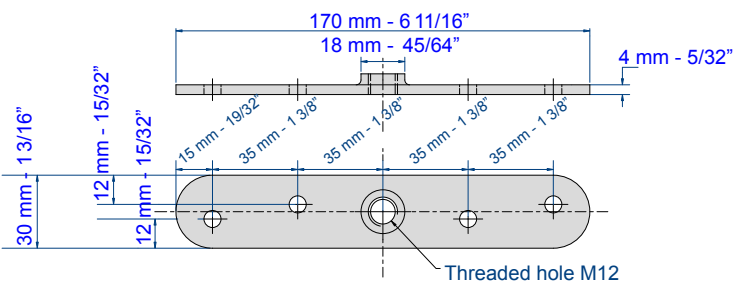


Plate 0056

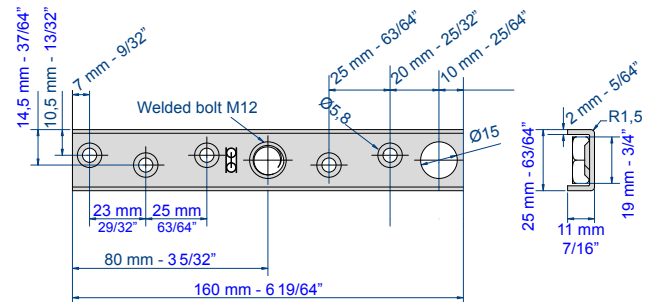


Plate 0056W

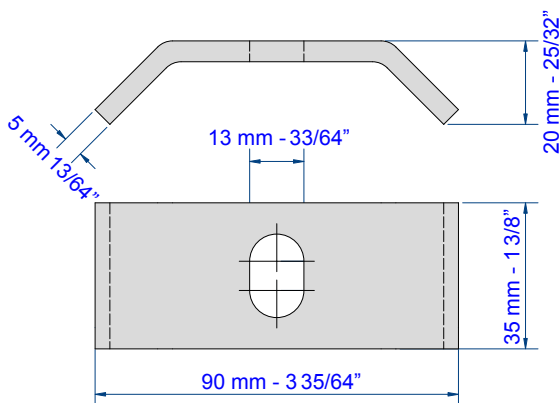
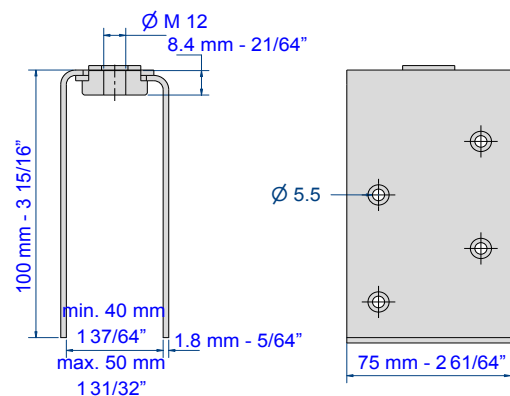


Plate 0055



Apron set 0051

CAPACITY/DOOR: up to 400 kg

TRACK: 6255

MOVEMENT: STRAIGHT

- **2 types of tracks:** 20/10^e and 25/10^e thicknesses
- **Ingenious:** thanks to its offset bracket, the 261 hanger enables the centred mounting of doors of different thicknesses
- **The steel hangers with ball bearings (2265A) are suitable for fire doors**
- For special mounting: «L» version hangers with a long fixing bolt (70 mm longer than the normal version)



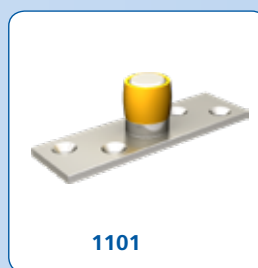
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TRACKS		
Item Nr	Description	Pack.
6255/400	Galvanised track 62 x 55 mm, thickness 25/10 ^e 4 m long	
6255/500	Ditto 5 m long	
6255/600	Ditto 6 m long	
6255GE/600	Galvanised track 62 x 55 mm, thickness 20/10 ^e 6 m long	

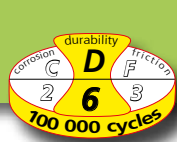


Capacity per door: grade 6 (100 000 cycles) for the 6255 track (thickness 25/10)
grade 3 (10 000 cycles) for the 6255 GE track (thickness 20/10)

HANGERS & PLATES				
0261	300 kg	Hanger, side fixing, with wheels mounted on needle roller bearings. Removable plate, which enables 2 different positions and an adaptation to 2 different panel thicknesses.	2	
0265		Hanger top fixing, with 2 steel wheels mounted on needle roller bearings. Fixing bolt: 50 mm.	2	
0265L		Ditto with long fixing bolt (120 mm).	2	
0265D		Hanger top fixing, nylon + glass fiber wheels mounted on needle roller bearings.	2	
2262		Hanger with swanneck, 4 nylon + glass fiber wheels with ball bearings.	2	
2265		Hanger, top fixing, 4 nylon +glass fiber wheels with ball bearings.	2	
2265L		Ditto with long fixing bolt (120 mm).	2	
2262A		Hanger, top fixing, 4 steel wheels with ball bearings.	2	
2265A		400 kg	Hanger, top fixing, 4 steel wheels with ball bearings.	2
2265AL			Ditto with long fixing bolt (120 mm).	2
0065			Plate, welding type	10
0066			Plate, screwing type for top fixing, Ø M 14.	10
0061		Adjustable apron set for panels from 50 à 65 mm thick. Capacity: 150 kg. Top fixing, screwing type	2	



GUIDES		
1110/400	U-profile 30 x 30 mm, galvanised. 4 m long	4
1110/500	Ditto 5 m long	4
1110/600	Ditto 6 m long	4
1101	Bottom guide with olive fixed on a screwing type reinforced plate (square ends) - For U-profile 30 x 30 mm See dimensions and assembly instructions on p. 60	10

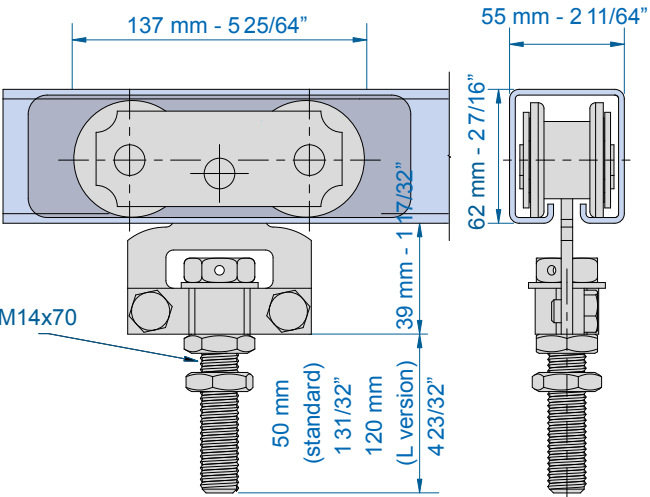


300 KG
400 KG

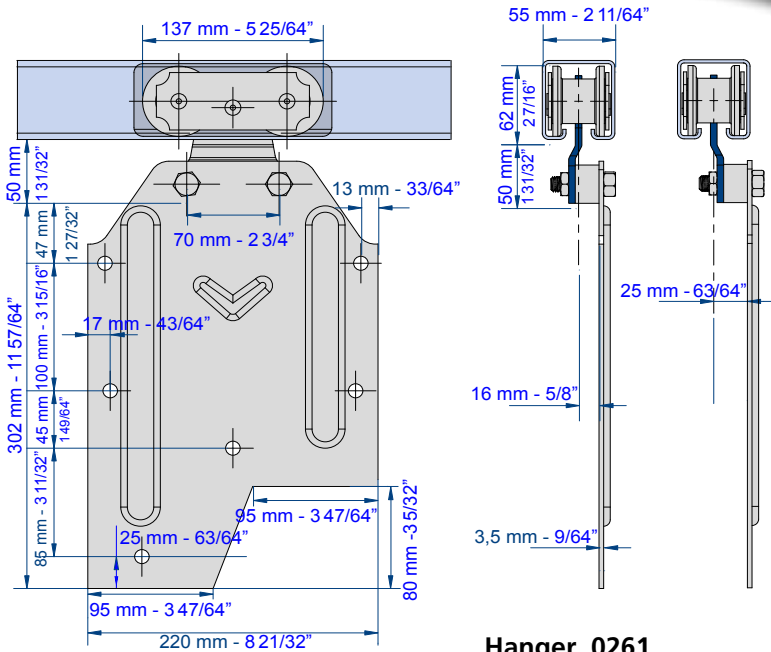
200 & 2200 series



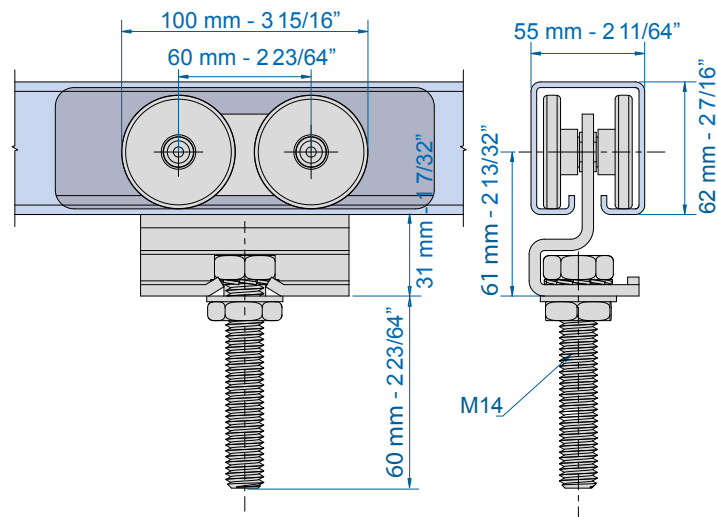
offset bracket - See information on p. 15



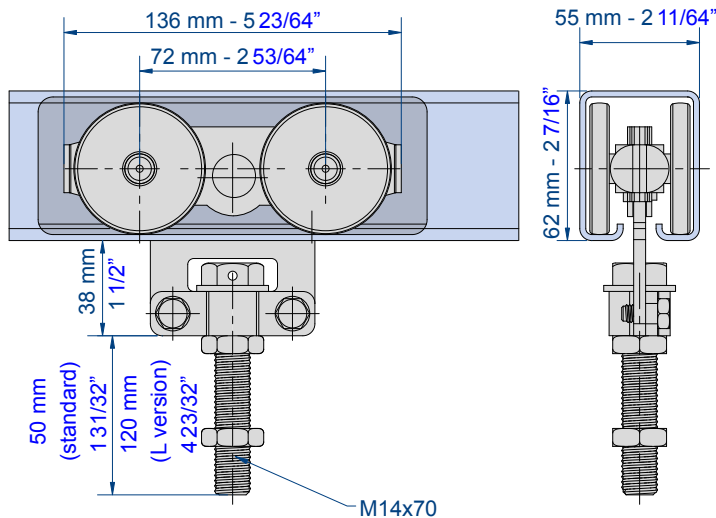
Hangers 0265 & 0265L



Hanger 0261



Hangers 2262 & 2262A



Hangers 2265 - 2265A & 2265L - 2265AL

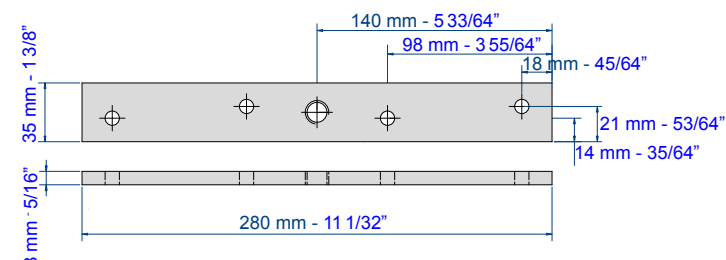


Plate 0066

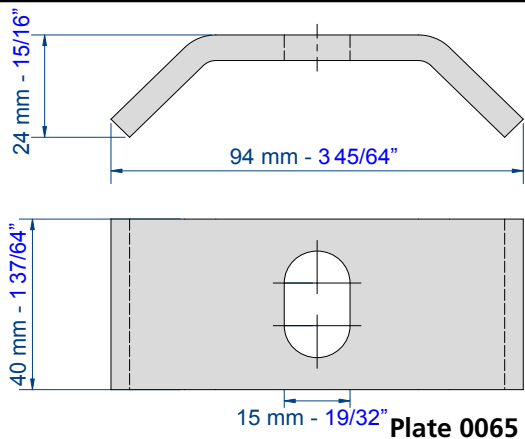
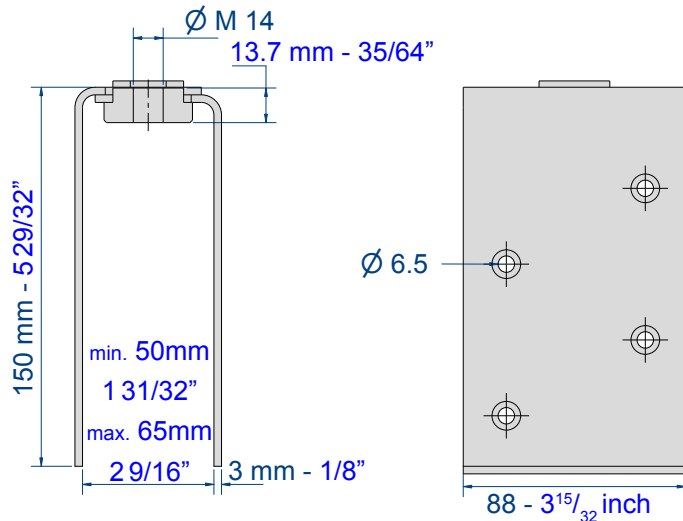


Plate 0065



Apron set 0061

CAPACITY/DOOR: up to 1200 kg

TRACK: 8570

MOVEMENT: STRAIGHT

- «HLE» track: the track made of steel with «High Elasticity Limit » enables heavy loads in safe conditions
- Ingenious: thanks to its offset bracket, the 281 hanger enables the centred mounting of doors of different thicknesses
- The steel hangers with ball bearings (2285S) are suitable for fire doors
- For special mounting: «L» version hangers with a long fixing bolt (70 mm longer than the normal version)
- For doors over 500 kg: our brackets 8578 MC or 8578 ML have to be fixed every 0.50 m.

TRACKS		
Item Nr	Description	Pack.
8570/400	Galvanised track 85 x 70 mm 4 m long	
8570/500	Ditto 5 m long	
8570/600	Ditto 6 m long	

capacity per door

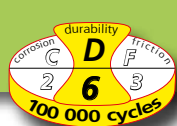
HANGERS & PLATES			
0281	600 kg	Hanger, side fixing, with wheels mounted on needle roller bearings. Removable flange, which enables 2 different positions and an adaptation to 2 different panel thicknesses	2
0281S	1200 kg	Ditto with a bigger bore of the wheels and high precision needle roller bearings	2
0285	600 kg	Hanger top fixing, with 2 steel wheels mounted on needle roller bearings. Fixing screw Ø M 16.	2
0285L		Ditto with long fixing bolt (123 mm).	2
0285S	800 kg	Hanger, top fixing with 2 steel wheels mounted on high precision needle roller bearings. Fixing bolt Ø M 20.	2
0285SL		Ditto with long fixing bolt (133 mm).	2
2285	600 kg	Hanger, top fixing, 4 wheels with ball bearings, nylon tyre and glass fiber. Fixing bolt Ø M 16.	2
2285L		Ditto with long fixing bolt (123 mm).	2
2285A	800 kg	Hanger, top fixing with carbonized steel wheels mounted on ball bearings. Fixing bolt Ø M 16.	2
2285AL		Ditto with long fixing bolt (123 mm).	2
2285 S	1200 kg	Hanger, top fixing with 4 wheels equipped with precision ball bearings. Recommended for FIRE DOORS and other HIGH QUALITY doors. Fixing bolt Ø M 20.	2
2285SL		Ditto with long fixing bolt (133 mm).	2
0085		Plate, welding type Ø M 16.	2
0085S		Reinforced plate, welding type Ø M 20. See drawing on p. 17	2
0086		Plate, screwing type for top fixing Ø M 16.	2
0086W		«U» Plate, screwing type for top fixing, Ø M 16.	10
0086S		Plate, screwing type for top fixing. see drawing p. 17	2
0081		Adjustable apron set for panels from 55 - 75 mm thickness - Side fixing, screwing type.	2

GUIDES			
1115/600		U-profile 50 x 60 mm, galvanised. 6 m long	
1059		Bottom guide with olive (equipped with needle roller bearings) fixed on a screwing type plate (with square ends) - For U-profile 50 x 60 mm See dimensions and mounting instructions on p. 60	5



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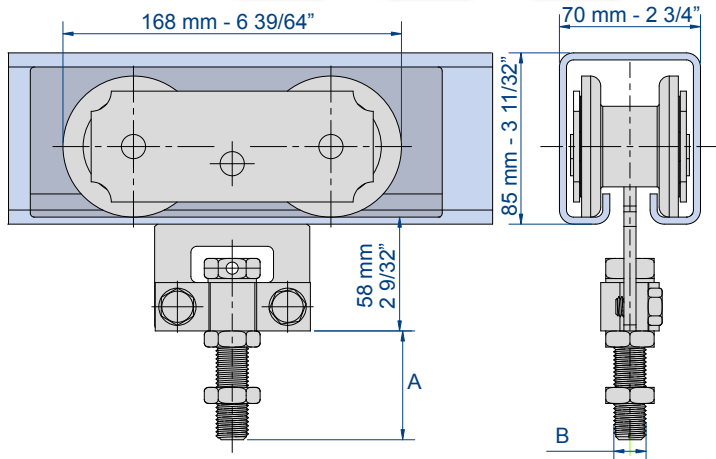


600 KG

800 KG

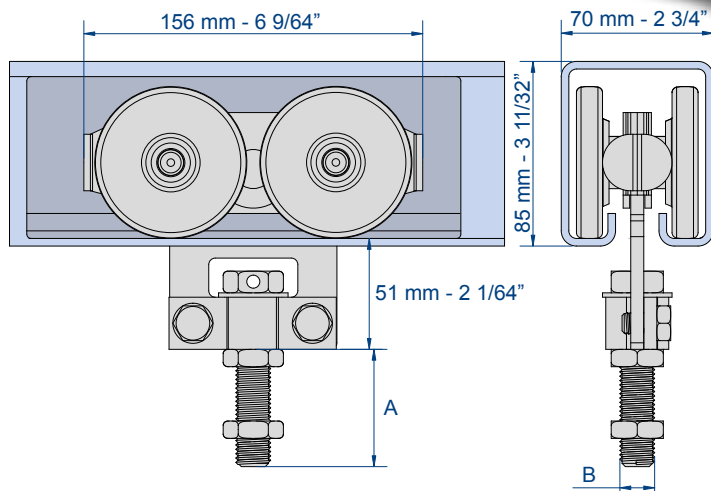
1200 KG

200 & 2200 series



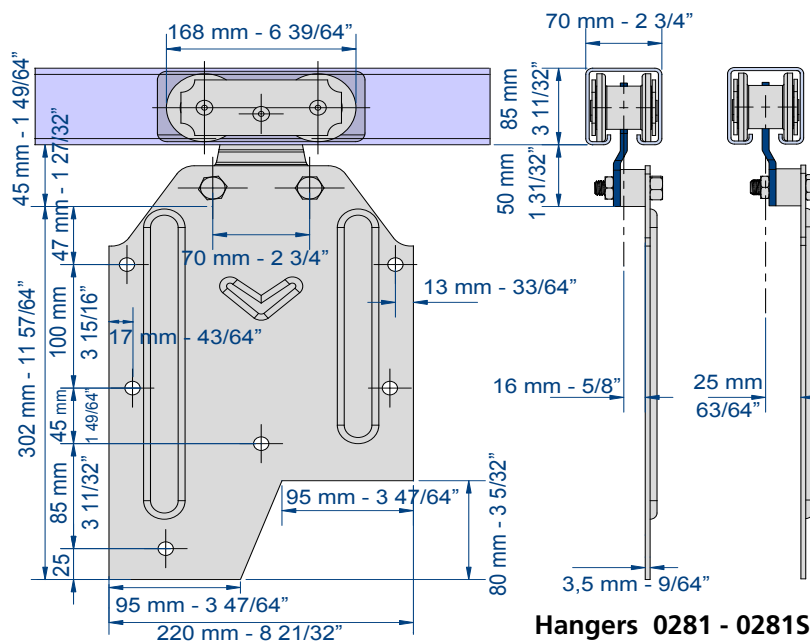
Item Nr	A	B
0285	53	M 16
0285S	63	M 20
0285L	123	M 16
0285SL	133	M 20

Hangers
0285 - 0285L
&
0285S - 0285SL



Item Nr	A	B
2285 2285A	53	M 16
2285S	63	M 20
2285L 2285AL	123	M 16
2285SL	133	M 20

Hangers
2285 - 2285 L
2285 A - 2285 AL
2285 S - 2285 SL



Hangers 0281 - 0281S



Offset bracket

Removable flange, which enables 2 different positions and an adaptation to 2 different panel thicknesses. The door axle is very close to the track axle, this avoids a back-balance

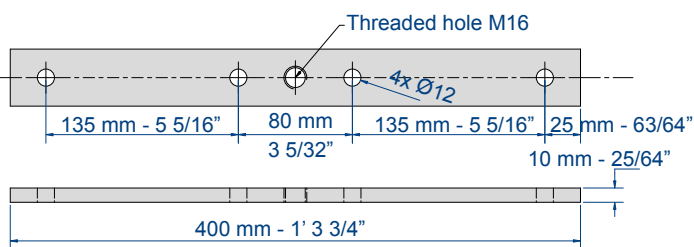


Plate 0086

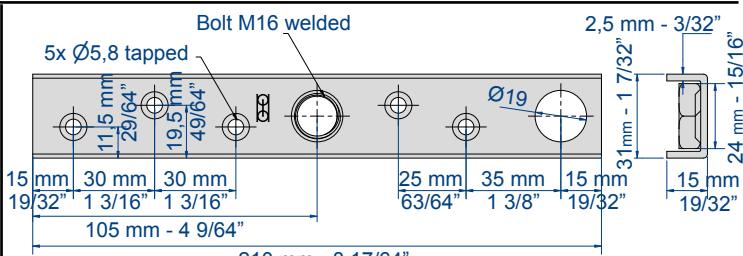


Plate 0086W

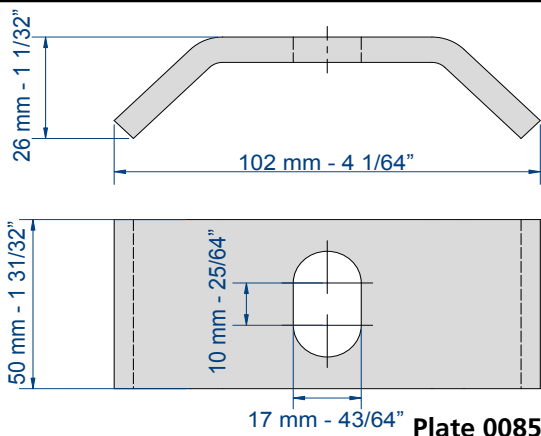
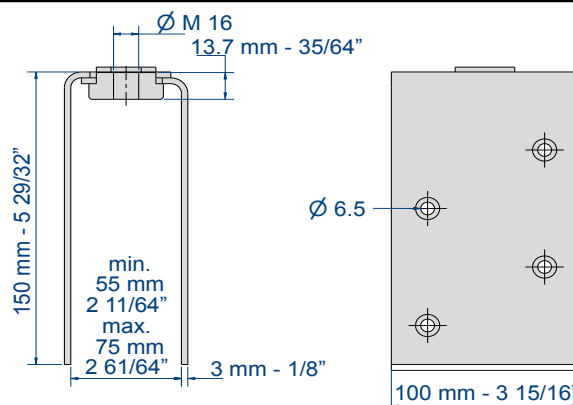


Plate 0085



Apron set 0081

CAPACITY/DOOR: up to 2000 kg

TRACK: 8570

MOVEMENT: STRAIGHT



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- «HLE» track: the track made of steel with «High Limit of Elasticity» enables heavy loads in safe conditions
- Hanger suitable for fire doors (2288S) with steel wheels and precision ball bearings
- For special mounting: the fixing bolt is 70 mm longer than the normal version (L version)
- For doors over 500 kg: the use of our brackets 8578 MC or 8578 ML is required (1 bracket every 0.50 m)

TRACKS		
Item Nr	Description	Pack.
8570/400	Galvanised track 85 x 70 mm, 4 m long	
8570/500	Ditto 5 m long	
8570/600	Ditto 6 m long	



DOUBLE HANGER "S" VERSION

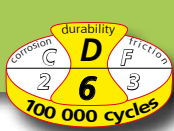
Capacity per door

HANGERS & PLATES			
0288S	2000 kg	Hanger, top fixing, with steel wheels mounted on needle roller bearings. Fixing bolt Ø M 20	2
0288SL		Ditto with long fixing bolt (133 mm)	2
2288S	2000 kg	Hanger top fixing with 4 wheels equipped with high-precision ball bearings. Recommended for FIRE DOORS and other HIGH QUALITY doors. Fixing bolt Ø M 20	2
2288SL		Ditto with long fixing bolt (133 mm)	2
0085S		Reinforced plate, welding type Ø M 20	2
0086S		Plate, screwing type for top fixing - Ø M 20 See drawing on p. 17.	2



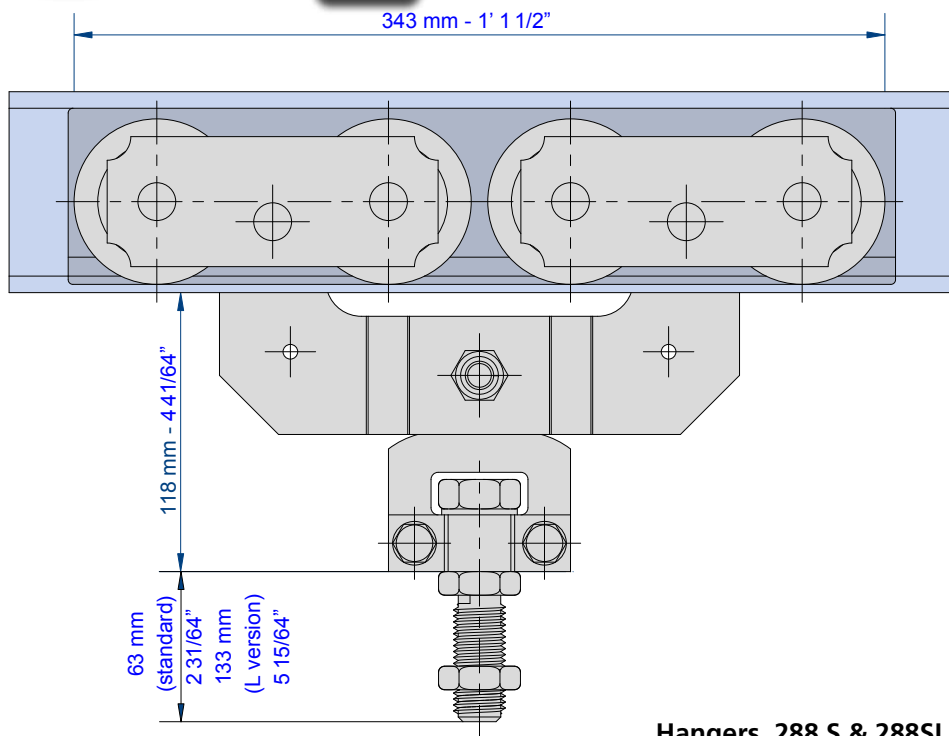
GUIDES		
1115/600	U-profile 50 x 60 mm, galvanised - 6 m long	
1059	Bottom guide with olive (equipped with needle roller bearings) fixed on a screwing type plate (with square ends). For U-profile 50 x 60 mm See dimensions and mounting instructions on p. 60	5



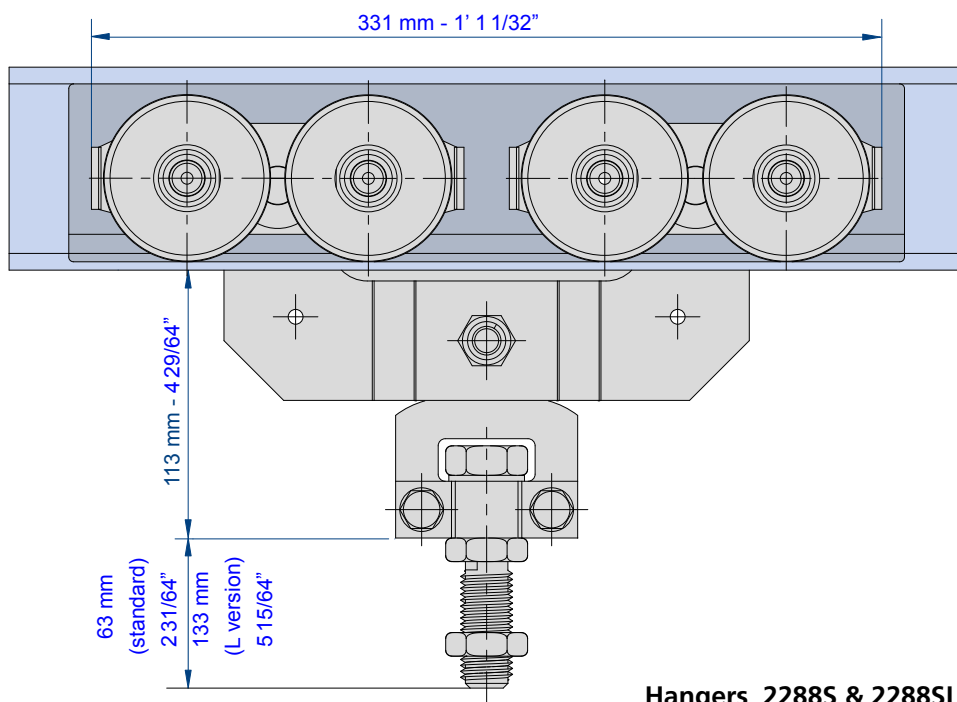
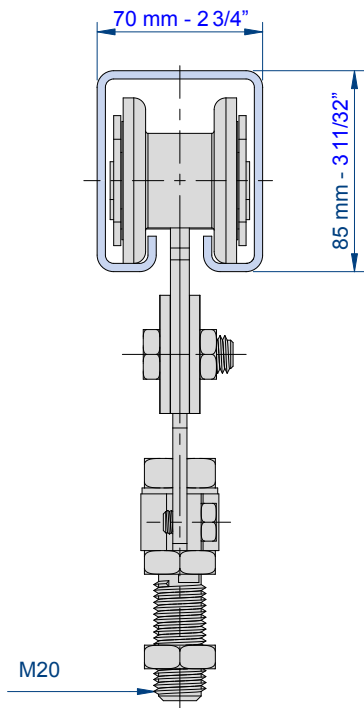


**2000
KG**

200 & 2200 series



Hangers 288 S & 288SL



Hangers 2288S & 2288SL

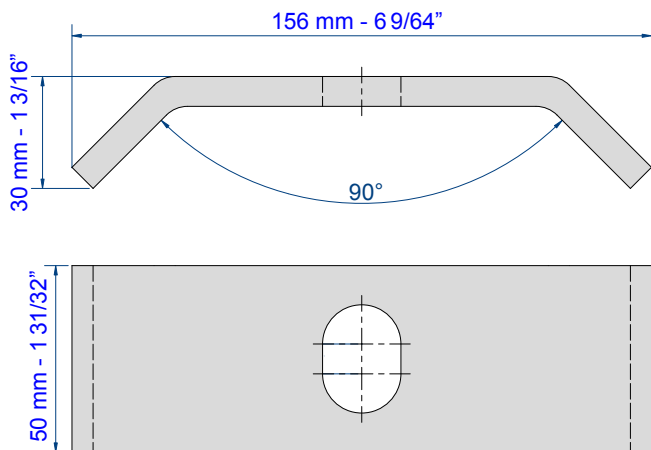
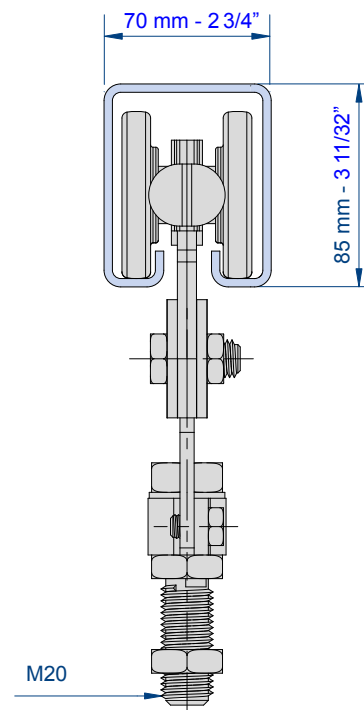


Plate 0085S

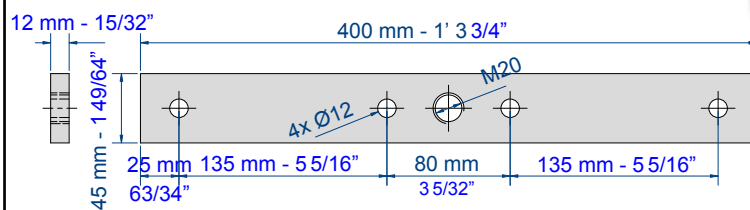


Plate 0086S

Door accessories for straight sliding doors

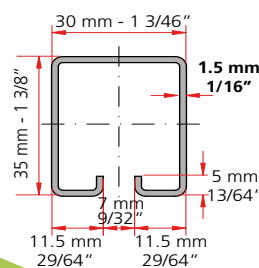
- **all accessories in one set**
- **jointing brackets are included**
- **enables gain of time for the order preparation**
- **in accordance with the European standard EN 1527**



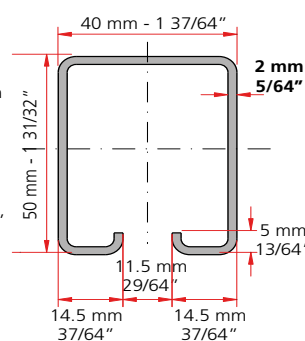
the tracks in 2m, 3m and 4m lengths make transport and mounting easier



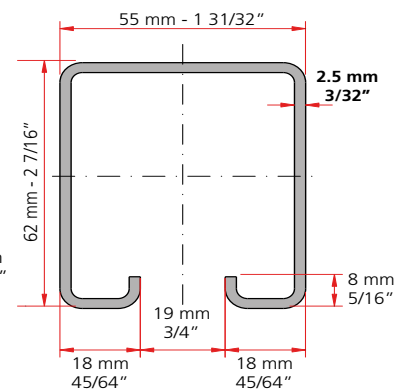
3530



5040



6255



The Manton guaranty applies also on this range (tracks + sets).

SET for doors up to 80 kg

Comprising:

- 2 hangers 0235A (top fixing) equipped with 2 steel wheels mounted on needle roller bearings
- 2 plates 0036, top fixing.
- 6 brackets 3531
- 1 jointing bracket 3531MC
- 7 angle plates 3533
- 2 ornamental caps 3540
- 2 bottom guides 1102
- 2 stops 1086
- 1 handle 1298

3530GV

3530/200

Track 3530. Length: 2 m.

3530/300

Track 3530. Length: 3 m.

1109/200

U-profile 1109. Length: 2 m.



SET for doors up to 150 kg

Comprising:

- 2 hangers 0255A (top fixing) equipped with 2 steel wheels mounted on needle roller bearings
- 2 plates 0056, top fixing
- 8 brackets 5041
- 1 jointing bracket 5041MC
- 9 angles 5043
- 2 ornamental caps 5050
- 2 bottom guides 1099
- 2 stops 2091
- 1 handle 1298

5040GV

5040/300

Track 5040 . Length: 3 m.

1110/300

U-profile 1110. Length: 3 m.



SET for doors up to 300 kg

Comprising:

- 2 hangers 0265A (top fixing) equipped with 2 steel wheels mounted on needle roller bearings
- 2 plates 0066. Top fixing
- 12 brackets 6256
- 1 jointing bracket 6256MC
- 13 angle plates 6258
- 2 ornamental caps 6265
- 2 bottom guides 1101
- 2 stops 2094
- 1 handle 1297

6255GV

6255/300

Track 6255. Length: 3 m.

6255/400

Track 6255 . Length: 4 m.

1110/400

U-profile 1110. Length: 4 m.



CAPACITY / PANEL: 200 kg max.

TRACK: 3530 to 8570

MOVEMENT: LATERAL

- These hangers are especially designed for lateral sliding doors with a tubular track
- Hangers with 4 different capacities corresponding to 4 different track sections

The curve has to be fixed on an angle steel by means of a bracket (sealing type)

In case of small quoins (inferior to the curve radius) the service door has to be placed at the push back side

On the push back side, an angle plate fixed on the floor can be used as a guide

The hangers and the hinges for the 300 series are supplied in a «top fixing» version. On request, they can be supplied in a «side fixing» version.

HOW TO CHOOSE THE HANGER AND THE TRACK:

For a door without a service door: the weight of a single panel has to be taken into consideration.

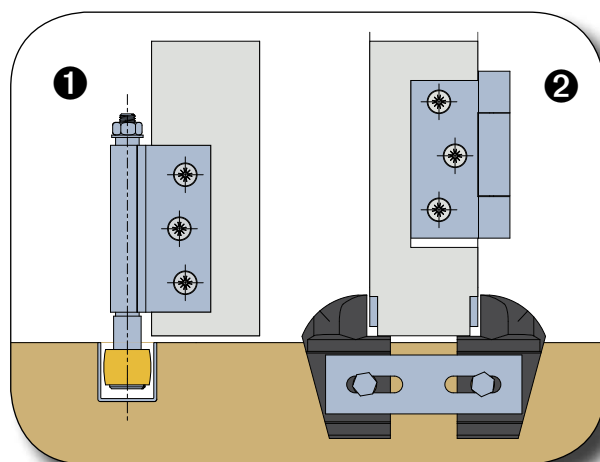
For a door with a service door: the weight of a panel has to be multiplied by 1.5

BOTTOM GUIDING:

❶ with hinges: as many guides as hangers are required

❷ with shoe guides: as many guides as hangers are required (one of them being a half shoe guide)

On the push back side, an angle plate fixed on the floor can be used as a guide.



Sliding systems for ROUND THE CORNER doors

300[®] series



With screwing type hinges

22-23

With welding type hinges

24-25

HANGERS: CAPACITY: 30 kg			Track: 3530
Item Nr	Fig.	Description	Pack.
0332	1	Intermediate hanger with hinge (capacity: 30 kg)	2
0332E	2	Offset end hanger (capacity: 15 kg)	2
1104	3	Bottom guide with hinge for U-profile 25 x 17 (1109)	1
1104E	4	Offset bottom guide with hinge for U-profile 25 x 17 (1109)	1
1510C	5	Hinge 80 x 60, axle Ø 10, top fixing	10
1109/400		U-profile 25 x 17, galvanized. 4 m long.	4
1109/500	7	Ditto 5 m long.	4
1109/600		Ditto 6 m long.	4
1109M	8	Jointing bracket for U-profile (25 x 17) Item Nr. 1109	1
3530C	9	Galvanized curve - R: 500 mm	For panels up to 550 mm
1109C	10	U-curve galvanized, 25 x 17. R: 500 mm	1
3539	11	Angle steel (30 x 20), for curve. Sealing type 610 mm long.	1

HANGERS: CAPACITY: 60 kg			Track: 5040
Item Nr	Fig.	Description	Pack.
0352	1	Intermediate hanger with hinge (capacity: 60 kg)	2
0352E	2	Offset end hanger (capacity: 30 kg)	2
1105	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1105E	4	Offset bottom guide with hinge for U-profile 30 x 30 (1110)	1
1512C	5	Hinge 85 x 85, axle Ø 12, top fixing	10
1110/400		U-profile 30 x 30, galvanized. 4 m long.	4
1110/500	7	Ditto 5 m long.	4
1110/600		Ditto 6 m long.	4
1110M	8	Jointing bracket for U-profile 30 x 30 (1110)	1
5040C	9	Galvanized curve - R = 600 mm	For panels up to 650 mm
1111C	10	U-curve galvanized, 30 x 30. R = 600 mm	1
5049	11	Angle steel (40 x 25), for curve. Sealing type 710 mm long.	1

HANGERS: CAPACITY 120 kg			Track: 6255
Item Nr	Fig.	Description	Pack.
0362	1	Intermediate hanger with hinge (capacity: 120 kg)	2
0362E	2	Offset end hanger (capacity: 60 kg)	2
1106	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1106E	4	Offset bottom guide with hinge for U-profile 30 x 30 (1110)	1
1514C	6	Hinge 120 x 100, axle Ø 14, top fixing	6
1110/400		U-profile 30 x 30, galvanized. 4 m long.	4
1110/500	7	Ditto 5 m long.	4
1110/600		Ditto 6 m long.	4
1110 M	8	Jointing bracket for U-profile 30 x 30 (1110)	1
6255C	9	Galvanized curve - R = 800 mm	For panels up to 900 mm
1112C	10	U-curve galvanized, 30 x 30. R = 800 mm	1
6264	11	Angle steel (50 x 30), for curve. Sealing type 870 mm long.	1

HANGERS: CAPACITY: 200 kg			Track: 8570
Item Nr	Fig.	Description	Pack.
0382	1	Intermediate hanger with hinge (capacity: 200 kg)	2
0382E	2	Offset end hanger (capacity: 100 kg)	2
1108	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1108E	4	Offset bottom guide with hinge for U-profile 30 x 30 (1110)	1
1516C	6	Hinge 120 x 16, axle Ø 14, top fixing	4
1110/400		U-profile 30 x 30, galvanized. 4 m long.	4
1110/500	7	Ditto 5 m long.	4
1110/600		Ditto 6 m long.	4
1110M	8	Jointing bracket for U-profile 30 x 30 (1110)	1
8570C	9	Galvanized curve - R = 1000.	For panels up to 1100 mm
1113C	10	U-curve galvanized, 30 x 30. R = 1000.	1
8579	11	Angle steel (60 x 40), for curve. Sealing type 1030 mm long.	1

GUIDANCE WITH SHOE GUIDE			
Item Nr	Fig.	Description	Pack.
1011	12	Cast iron shoe guide, sealing type. Adjustable (21 to 50 mm)	10
1012	13	Half shoe guide in cast iron - Sealing type.	4



1



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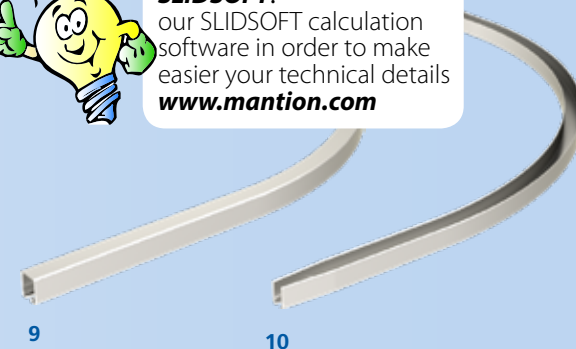
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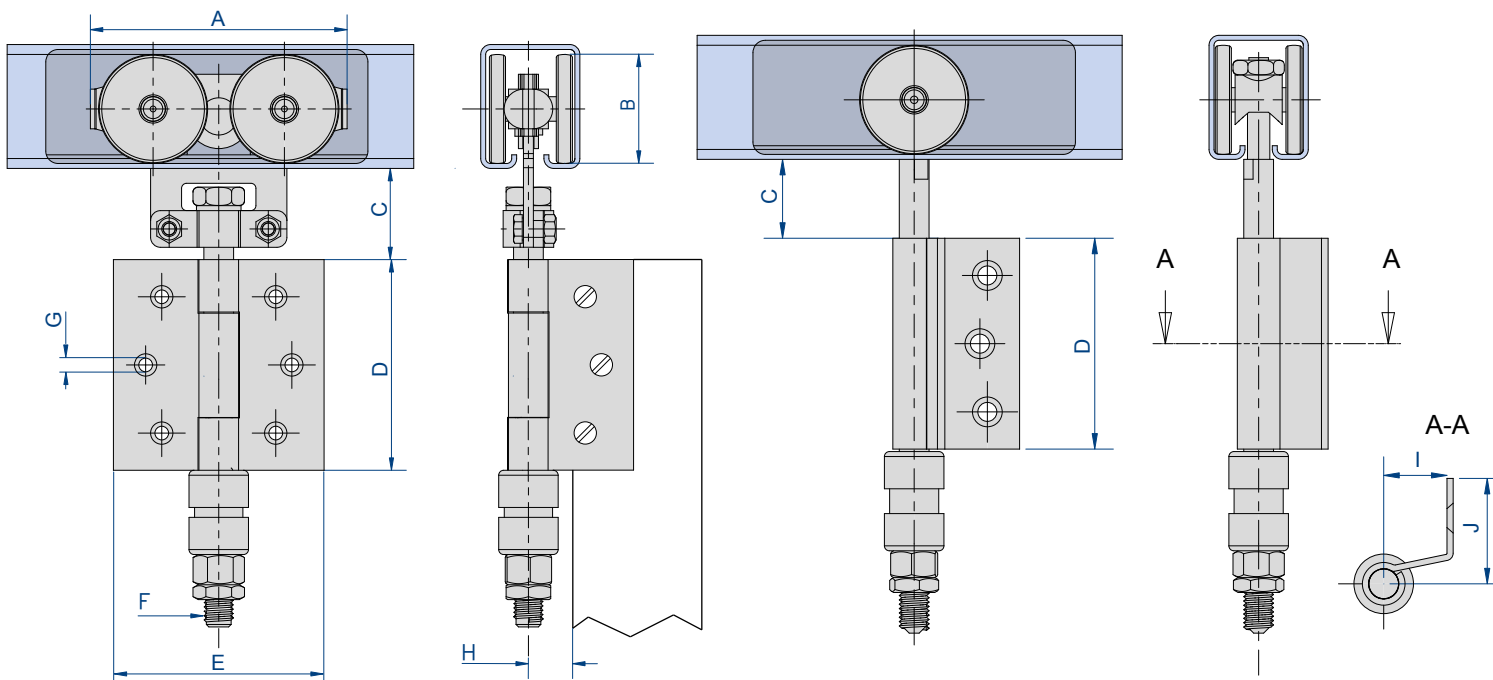
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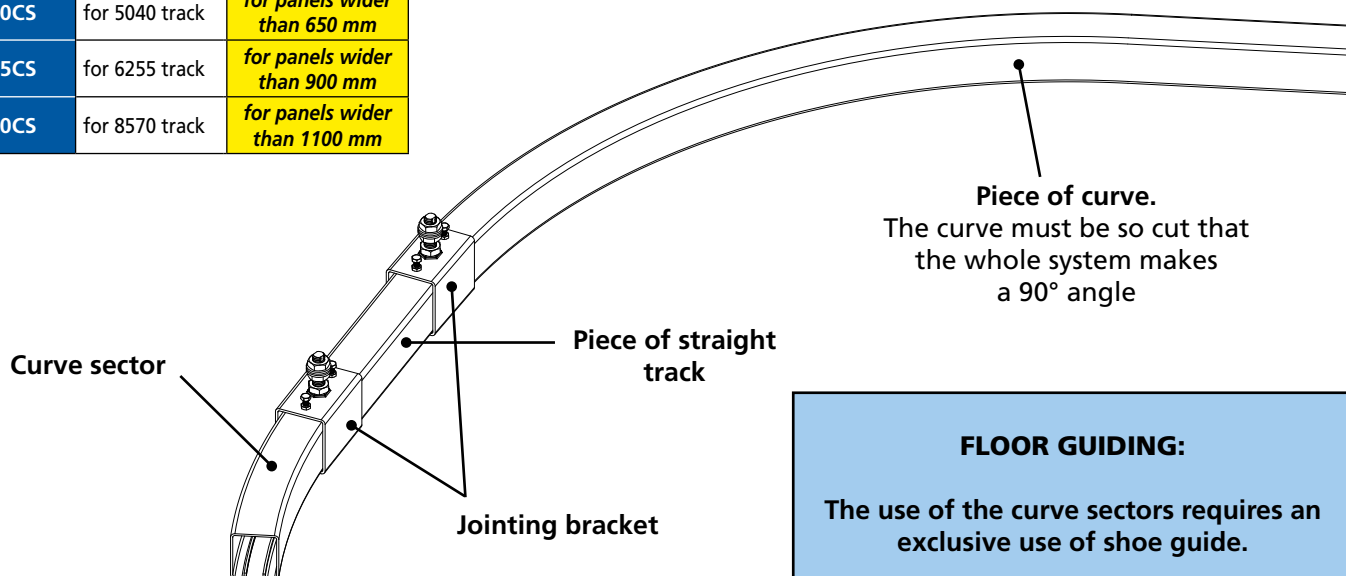
Intermediate hangers

End hangers

Item Nr.	A	B	C		D	E	F	G	H	I	J
			Min.	Max.							
0332	87	30	30	45	80	60	M 10	5	11	15.2	30
0352	104	44	35	55	85	85	M 12	5	12	25.5	43
0362	140	55	40	70	120	100	M 14	6	15	25.5	50
0382	158	70	55	85	120	100	M 16	6	17	33	50

USE OF CURVE SECTORS FOR WIDE PANELS

CURVE SECTOR		
3530CS	for 3530 track	for panels wider than 550 mm
5040CS	for 5040 track	for panels wider than 650 mm
6255CS	for 6255 track	for panels wider than 900 mm
8570CS	for 8570 track	for panels wider than 1100 mm



FLOOR GUIDING:
The use of the curve sectors requires an exclusive use of shoe guide.

HANGERS: CAPACITY: 30 Kg			Track: 3530
Item Nr	Fig.	Description	Pack.
0332SO	1	Intermediate hanger with hinge (capacity: 30 kg)	2
0332SOE	2	End hanger with a 1/2 hinge (capacity: 15 kg)	2
1104SO	3	Bottom guide with hinge for U-profile 25 x 17 (1109)	2
1104SOE	4	End bottom guide, on 1/2 hinge for U-profile 1109	2
1510SO	5	Welding hinge, Height: 80, axle \varnothing 10	4
1109/400		U-profile 25 x 17, galvanized - 4 m long	4
1109/500	6	Ditto - 5 m long	4
1109/600		Ditto - 6 m long	4
1109M	7	Jointing bracket for U-profile 25 x 17(1109)	1
3530C	8	Galvanized curve 35 x 30 - Radius = 500	1
1109C	9	Galvanized U-curve 25 x 17 - Radius = 500	1
3539	11	Angle steel, welding type (30 x 20) for curve. 610 mm long.	1

HANGERS: CAPACITY: 60 Kg			Track: 5040
Item Nr	Fig.	Description	Pack.
0352SO	1	Intermediate hanger with hinge (capacity: 60 kg)	2
0352SOE	2	End hanger with a 1/2 hinge (capacity: 30 kg)	2
1105SO	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1105SOE	4	End bottom guide, on 1/2 hinge for U-profile 1110	1
1512SO	5	Welding hinge, Height: 85, axle \varnothing 12	4
1110/400		U-profile 30 x 30, galvanised - 4 m long	4
1110/500	6	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (1110)	1
5040C	8	Galvanised curve 50 x 40 - Radius = 600	1
1111C	9	Galvanised U-curve 30 x 30 - Radius = 600	1
5049	11	Angle steel (30 x 20), for curve. Sealing type 710 mm long.	1

HANGERS: CAPACITY: 120 Kg			Track: 6255
Item Nr	Fig.	Description	Pack.
0362SO	1	Intermediate hanger with hinge (capacity: 120 kg)	2
0362SOE	2	End hanger with a 1/2 hinge (capacity: 60 kg)	2
1106SO	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1106SOE	4	End bottom guide, on 1/2 hinge for U-profile 1110	1
1514SO	5	Welding hinge, Height: 120, axle \varnothing 14	4
1110/400		U-profile 30 x 30, galvanised - 4 m long	4
1110/500	6	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (1110)	1
6255C	8	Galvanised curve 62 x 55 - Radius: 800	1
1112C	9	Galvanised U-curve 30 x 30 - Radius: 800	1
6264	11	Angle steel (50 x 30), for curve. Sealing type 870 mm long.	1

HANGERS: CAPACITY: 200 Kg			Track: 8570
Item Nr	Fig.	Description	Pack.
0382SO	1	Intermediate hanger with hinge (capacity: 200 kg)	2
0382SOE	2	End hanger with a 1/2 hinge (capacity: 100 kg)	2
1108SO	3	Bottom guide with hinge for U-profile 30 x 30 (1110)	1
1108SOE	4	End bottom guide, on 1/2 hinge for U-profile 1110	1
1516SO	5	Welding hinge, Height: 120, axle \varnothing 16	4
1110/400		U-profile 30 x 30, galvanized - 4 m long	4
1110/500	6	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (1110)	1
8570C	8	Galvanised curve 85 x 70 - Radius: 1000	1
1113C	9	Galvanised U-curve 30 x 30 - Radius: 1000	1
8579	11	Angle steel (60 x 40), for curve. Sealing type - 1030 mm long.	1

GUIDANCE WITH SHOE GUIDE			
Item Nr	Fig.	Description	Pack.
1011	12	Cast iron shoe guide, sealing type. Adjustable (21 to 50 mm)	10
1012	13	Half shoe guide in cast iron - Sealing type.	4



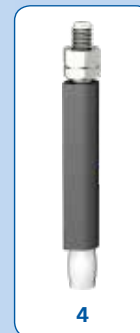
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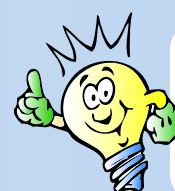
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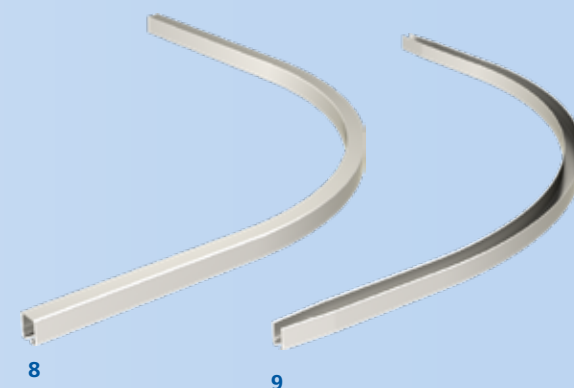
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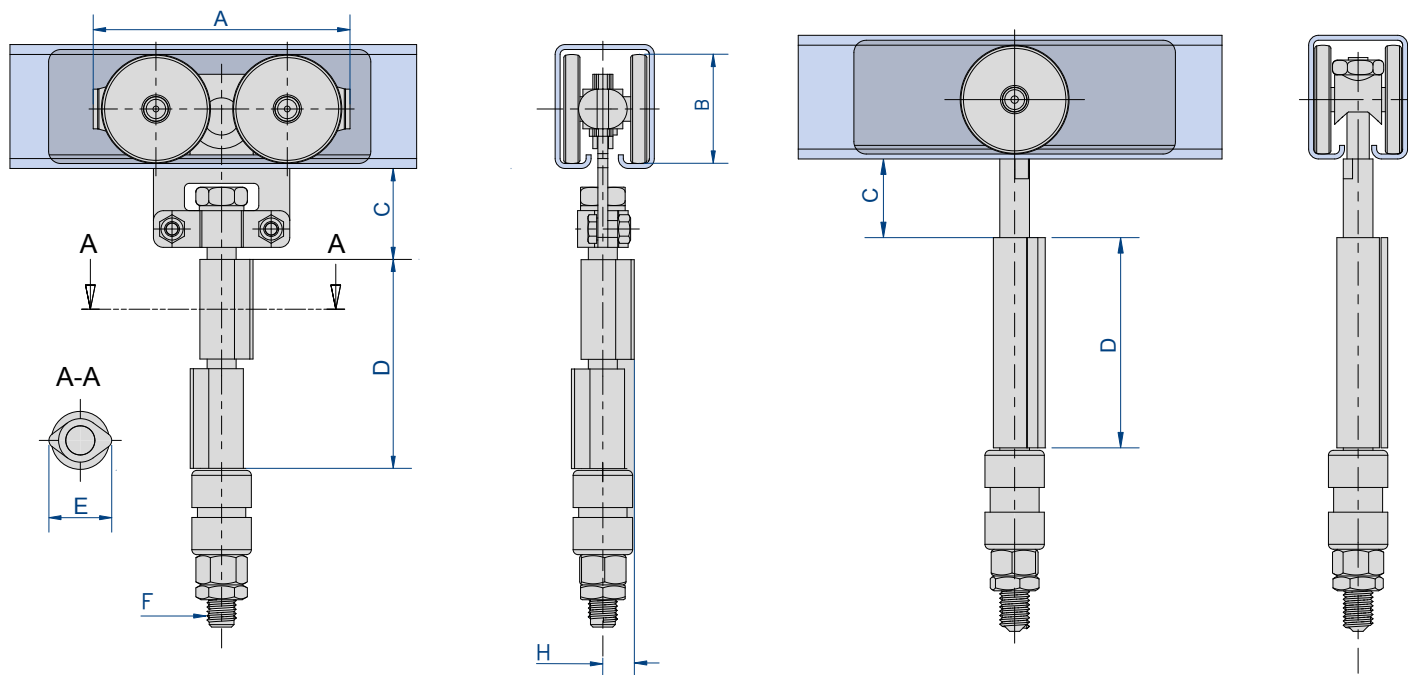
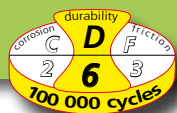
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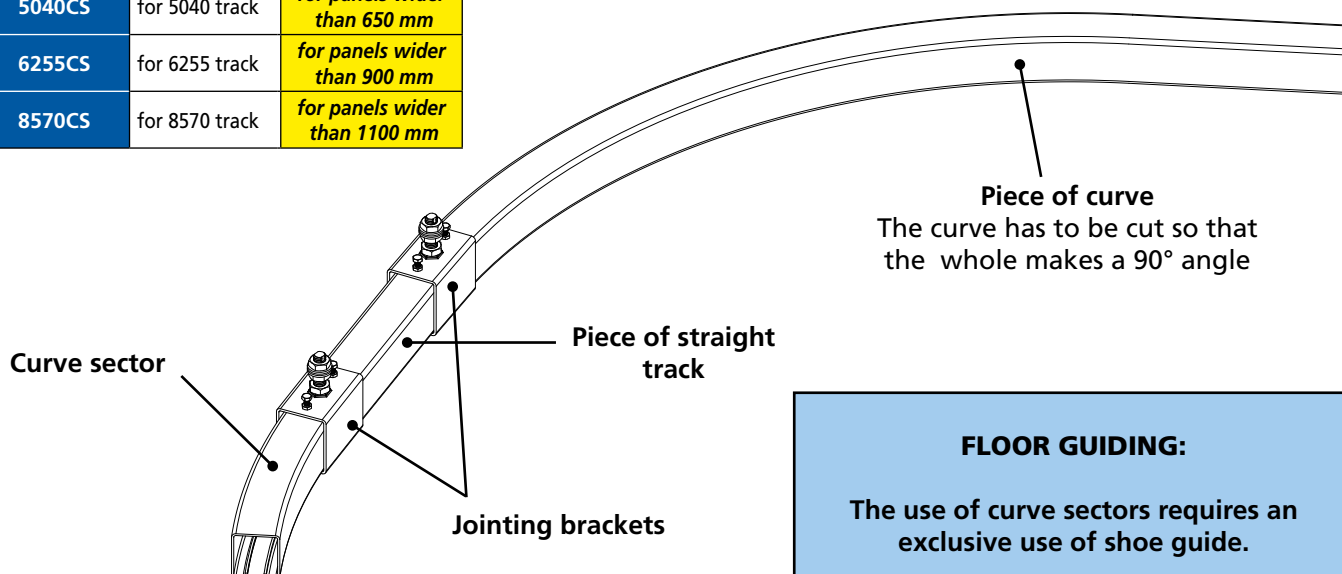
Intermediate hangers

End hangers

Item Nr	A	B	C		D	E	F	H
			Min.	Max.				
0332SO	87	30	30	45	80	22	M 10	11
0352SO	104	44	35	55	85	24	M 12	12
0362SO	140	55	40	70	120	30	M 14	15
0382SO	158	70	55	85	120	34	M 16	17

USE OF CURVES SECTORS FOR WIDE PANELS

CURVE SECTORS		
3530CS	for 3530 track	for panels wider than 550 mm
5040CS	for 5040 track	for panels wider than 650 mm
6255CS	for 6255 track	for panels wider than 900 mm
8570CS	for 8570 track	for panels wider than 1100 mm



FLOOR GUIDING:
The use of curve sectors requires an exclusive use of shoe guide.

CAPACITY / PANEL: up to 150 kg

TRACK: 3530 to 8570

MOVEMENT: STRAIGHT FOLDING

- **A complete range:**
 - 4 systems up to 150 kg / panel
 - for panels up to 0.90 m width
 - screwing or welding versions
- **Solution** which combines a wide opening with a service door
- **Reduced space** needed when open

The hangers and hinges of this 500 Series are supplied for a top-fixing. They can be supplied for a side-fixing on request.

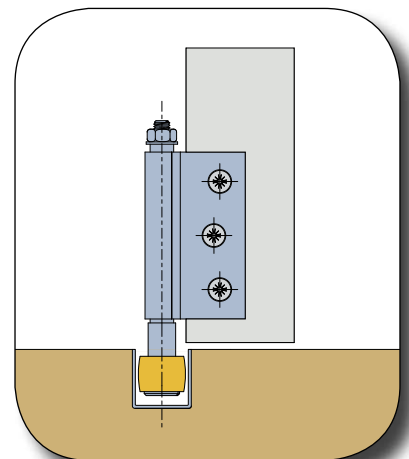
Place a complementary bracket on the push back side and use brackets 8578MC or brackets 8578ML for doors over 500 kg

The axis of the hangers, hinges and guides making up an articulation must be perfectly aligned

Floor guiding is imperative

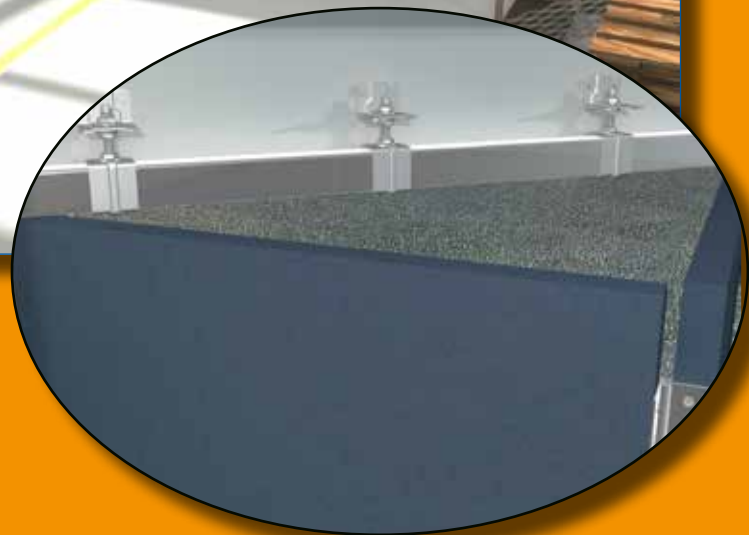
For a good sliding, the width of the panels must not exceed 90 cm

FLOOR GUIDING:



Sliding systems for FOLDING doors with equal panels

500[®] Series



With screwing type hinges

28-29

With welding type hinges

30-31



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FOR PANELS UP TO 20 KG **Track: 3530**

Item Nr	Fig.	Description	Pack.
0532	1	Intermediate hanger, mounted on a hinge (capacity 40 kg)	2
0532E	2	Off-center end hanger (capacity 20 kg)	2
1104	3	Bottom guide on a hinge for U profile 25 x 17 (1109)	1
1104E	4	Off-center bottom end guide for U profile 25 x 17 (1109)	1
1510C	5	Hinge 80 x 60, with a Ø 10 axle, top-fixing	10
1109/400		Galvanised U-profile 25 x 17 - 4 m long	4
1109/500	7	Ditto - 5 m long	4
1109/600		Ditto - 6 m long	4
1109M	8	Jointing bracket for U profile 25 x 17 (1109)	1

FOR PANELS UP TO 38 KG **Track: 5040**

0552	1	Intermediate hanger, mounted on a hinge (capacity 75 kg)	2
0552E	2	Off-center end hanger (capacity 37 kg)	2
1105	3	Bottom guide on a hinge for U profile 30 x 30 (1110)	1
1105E	4	Off-center bottom end guide for U profile 30 x 30 (1110)	1
1512C	5	Hinge 85 x 85, with a Ø 12 axle, top-fixing	10
1110/400		Galvanised U-profile 30 x 30 - 4 m long	4
1110/500	7	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	8	Jointing bracket for U profile 30 x 30 (1110)	1

FOR PANELS UP TO 75 KG **Track: 6255**

0562	1	Intermediate hanger, mounted on a hinge (capacity 150 kg)	2
0562E	2	Off-center end hanger (capacity 75 kg)	2
1106	3	Bottom guide on a hinge for U-profile 30 x 30 (1110)	1
1106E	4	Off-center bottom end guide for U-profile 30 x 30 (1110)	1
1514C	6	Hinge 120 x 100, with a Ø 14 axle, top-fixing	6
1110/400		Galvanised U profile 30 x 30 - 4 m long	4
1110/500	7	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	8	Jointing bracket for U-profile 30 x 30 (1110)	1

FOR PANELS UP TO 150 KG **Track: 8570**

0582	1	Intermediate hanger, mounted on a hinge (capacity 300 kg)	2
0582E	2	Off-center end hanger (capacity 150 kg)	2
1114	3	Bottom guide on a hinge for U-profile 50 x 60 (1115)	1
1114E	4	Off-center bottom end guide for U-profile 50 x 60 (1115)	1
1516C	6	Hinge 120 x 100, with a Ø 16 axle, top-fixing	4
1115/600	7	Galvanised U profile 50 x 60 - 6 m long	1
1115M	8	Jointing bracket for U profile 50 x 60 (1115)	1



1



2



3



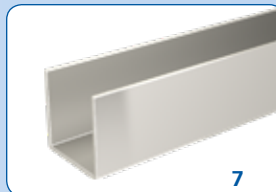
4



5



6



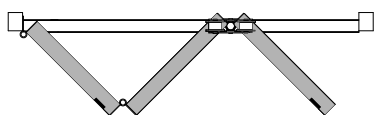
7



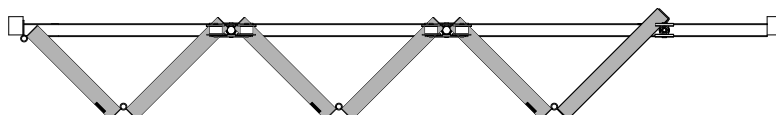
8

EXAMPLES OF ASSEMBLY:

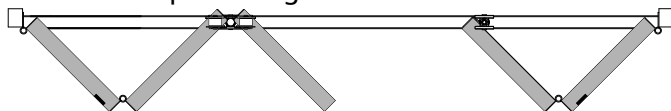
2 panels and 1 service door



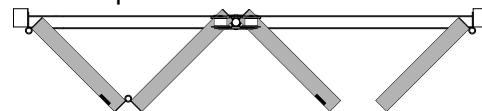
6 panels together



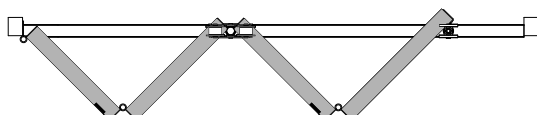
2 panels and 1 service door
+ 2 panels together



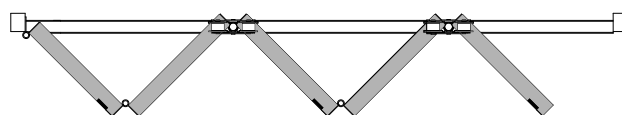
2 panels and 1 service door
+ 1 panel

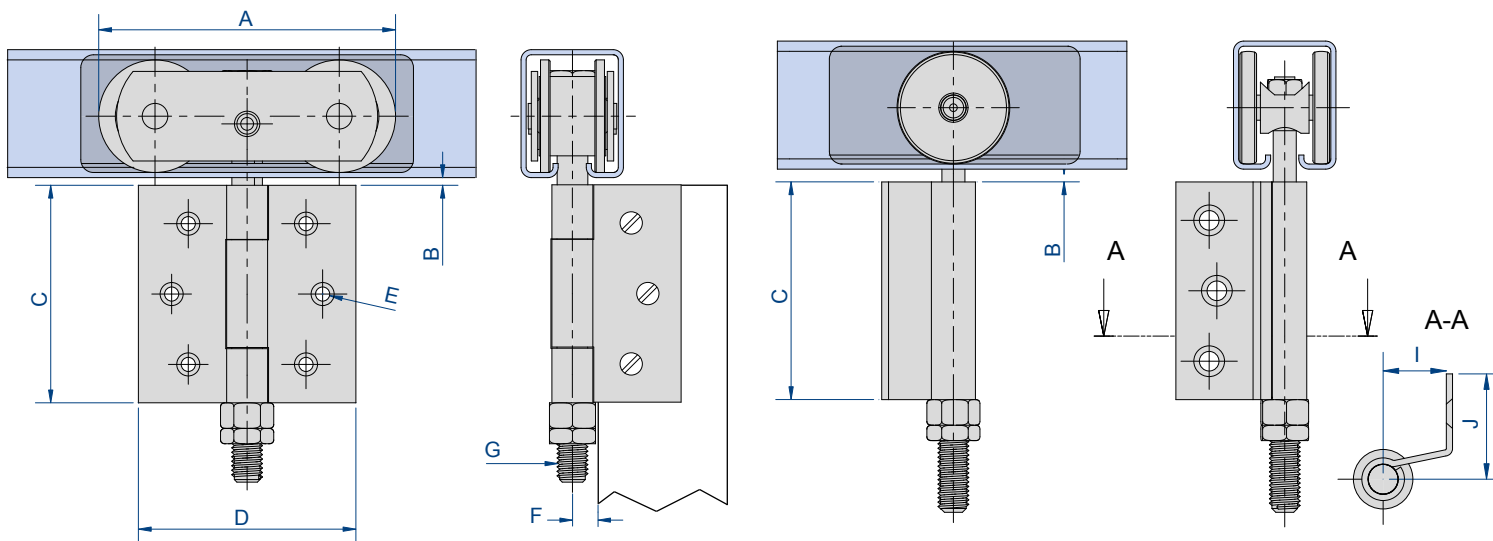
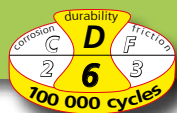


4 panels together



4 panels and 1 service door





Intermediate hangers

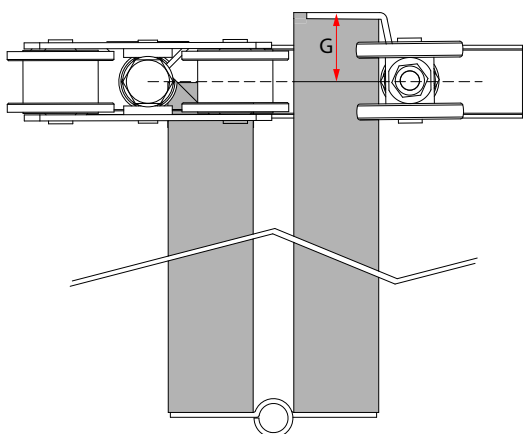
End hangers

Item Nr	A	B		C	D	E	F	G	I	J
		Min.	Max.							
0532	77	6	15	80	60	5	11	M10	15	30
0552	116	5	15	85	85	5	12	M12	25.5	42.5
0562	137	5	17	120	100	6	13	M14	25.5	50
0582	168	5	17	120	100	6	13	M16	33	50

USE OF END HANGERS:

They must be fixed on to the end panels. The width of the end panels must be equal to the width of the other panels, increased by the G dimension.

Item Nr	G
0532E	17
0552E	28
0562E	28.5
0582E	37



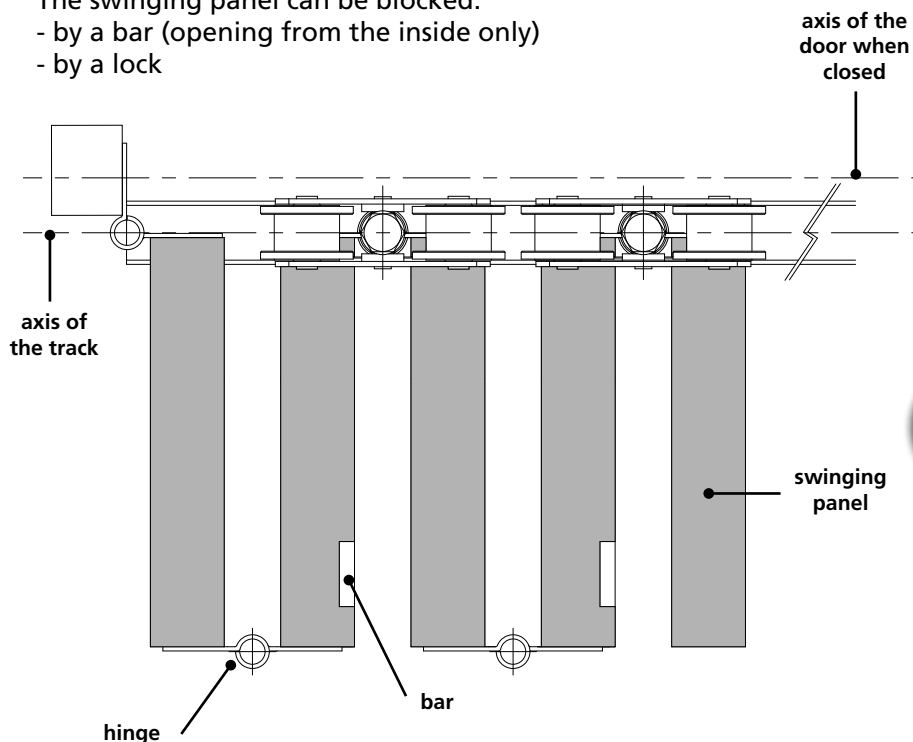
CROSS SECTION, TOP VIEW:

folding door with 4 panels and a swinging panel, folding on one side only

This top view of a set of panels shows more precisely the use of the items in our 500 series.

The swinging panel can be blocked:

- by a bar (opening from the inside only)
- by a lock



See our assembly recommendations on p. 26



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FOR PANELS UP TO 20 KG			Track: 3530
Item Nr	Fig.	Description	Pack.
0532SO	1	Intermediate hanger, mounted on a hinge (capacity 40 kg)	2
0532SOE	2	End hanger mounted on a 1/2 hinge (capacity 20 kg)	2
1104SO	3	Bottom guide mounted on a hinge for U profile 25 x 17 (1109)	2
1104SOE	4	End bottom guide mounted on a 1/2 hinge for U profile 25 x 17 (1109)	2
1510SO	5	Hinge, welding type Height: 80 mm - Ø 10 mm axle	4
1109/400		Galvanized U profile 25 x 17 - 4 m long	4
1109/500	6	Ditto - 5 m long	4
1109/600		Ditto - 6 m long	4
1109M	7	Jointing bracket for U profile 25 x 17 (item No. 1109)	1

FOR PANELS UP TO 38 KG			Track: 5040
Item Nr	Fig.	Description	Pack.
0552SO	1	Intermediate hanger, mounted on a hinge (capacity 75 kg)	2
0552SOE	2	End hanger mounted on a 1/2 hinge (capacity 37 kg)	2
1105SO	3	Bottom guide mounted on a hinge for U-profile 30 x 30 (1110)	1
1105SOE	4	End bottom guide mounted on a 1/2 hinge for U profile 30 x 30 (1110)	1
1512SO	5	Hinge, welding type Height: 85 mm - Ø 12 mm axle	4
1110/400		Galvanised U profile 30 x 30 - 4 m long	4
1110/500	6	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (1110)	1

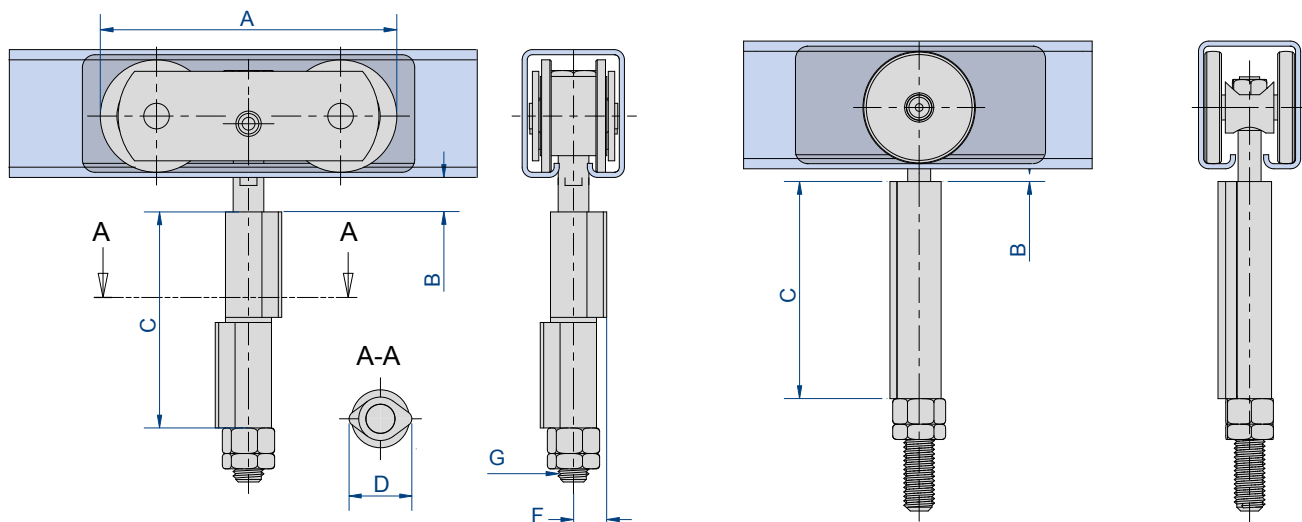
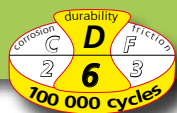
FOR PANELS UP TO 75 KG			Track: 6255
Item Nr	Fig.	Description	Pack.
0562SO	1	Intermediate hanger, mounted on a hinge (capacity 150 kg)	2
0562SOE	2	End hanger mounted on a 1/2 hinge (capacity 75 kg)	2
1106SO	3	Bottom guide mounted on a hinge for U profile 30 x 30 (1110)	1
1106SOE	4	End bottom guide mounted on a 1/2 hinge for U profile 30 x 30 (1110)	1
1514SO	5	Hinge, welding type Height: 120 mm - Ø 14 mm axle	4
1110/400		Galvanised U-profile 30 x 30 - 4 m long	4
1110/500	6	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (1110)	1

FOR PANELS UP TO 150 KG			Track: 8570
Item Nr	Fig.	Description	Pack.
0582SO	1	Intermediate hanger, mounted on a hinge (capacity 300 kg)	2
0582SOE	2	End hanger mounted on a 1/2 hinge (capacity 150 kg)	2
1114SO	3	Bottom guide mounted on a hinge for U profile 50 x 60 (1115)	1
1114SOE	4	End bottom guide mounted on a 1/2 hinge for U profile 50 x 60 (item No. 1115)	1
1516SO	5	Hinge, welding type Height: 120 mm - Ø 16 mm axle	4
1115/600	6	Galvanised U profile 50 x 60 - 6 m long	1
1115M	7	Jointing bracket for U-profile 50 x 60 (1115)	1



EXAMPLES OF ASSEMBLY:

See on previous page



Intermediate hangers

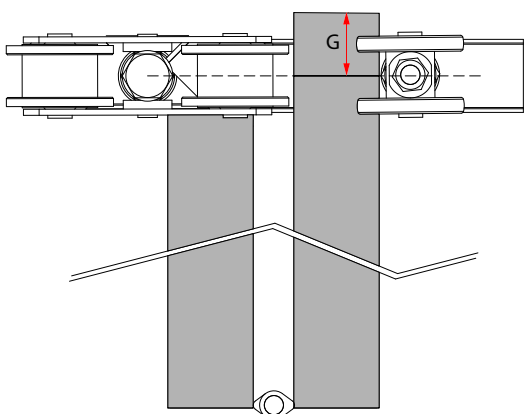
End hangers

Item Nr	A	B		C	D	F	G
		Min	Max				
0532SO	77	6	15	80	22	11	M10
0552SO	116	5	15	85	26	12	M12
0562SO	137	5	17	120	30	13	M14
0582SO	168	5	17	120	34	13	M16

DOOR WITHOUT SERVICE DOOR:

The end hanger must be fixed on the last panel. The width of the end panels must be equal to the width of the other panels, increased by the G dimension.

Item Nr	G
0532SOE	17
0552SOE	28
0562SOE	28.5
0582SOE	37



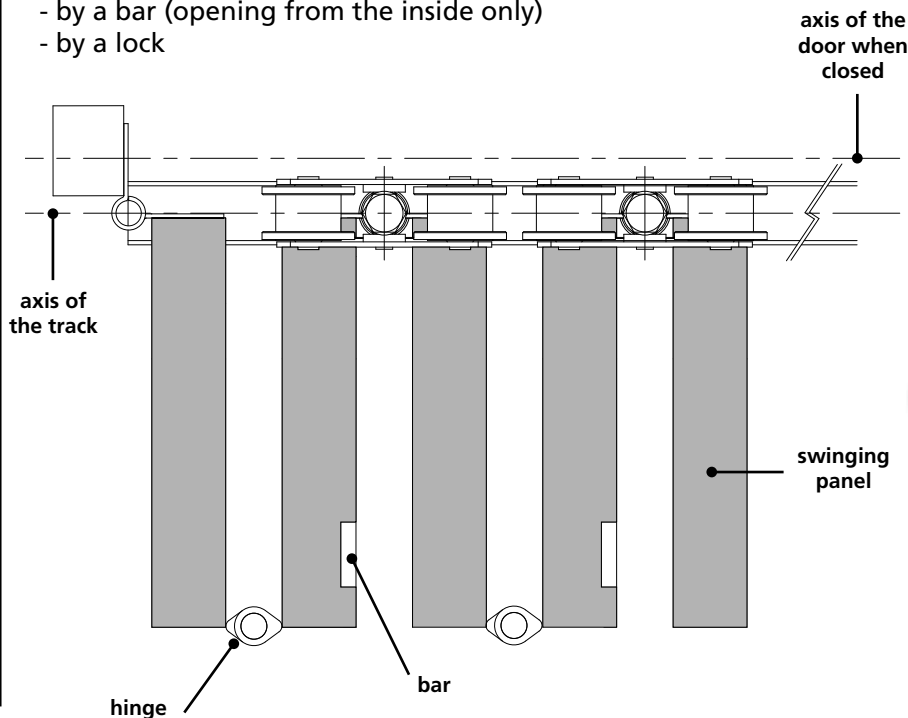
CROSS SECTION, TOP VIEW:

folding door with 4 panels and a swinging panel, folding on one side only

This top view of a set of panels shows more precisely the use of the items in our 500 Series.

The swinging panel can be blocked:

- by a bar (opening from the inside only)
- by a lock



See our assembly recommendations on p. 26

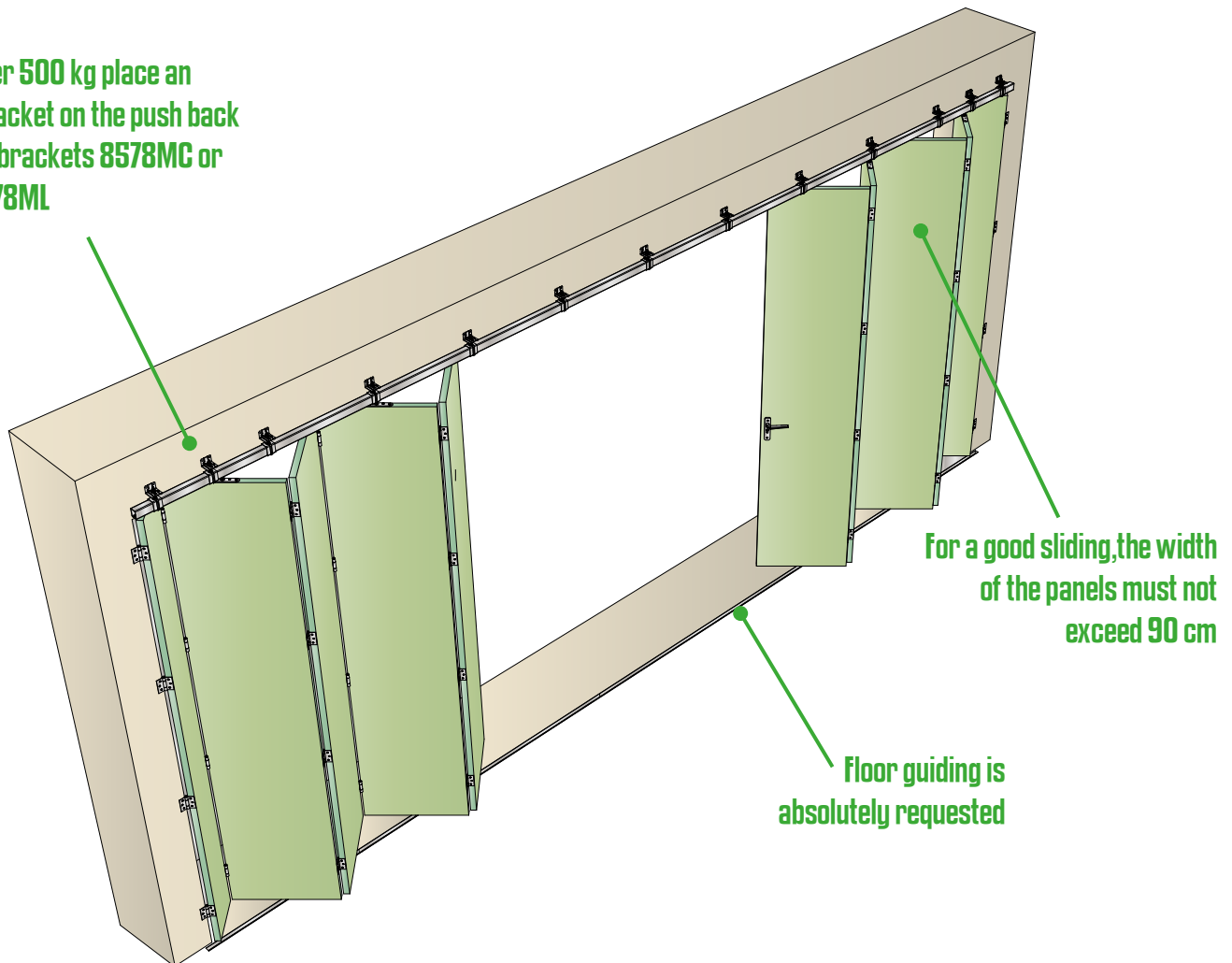
CAPACITY / PANEL: up to 300 kg

TRACK: from 2525 to 8570

MOVEMENT: FOLDING

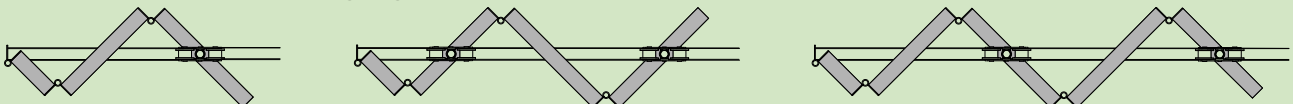
- **Complete range:**
 - 5 systems: up to 150 kg / panel
 - max panel width: 0.90 m
 - screwing or welding versions
- **Solution** adapted to very wide openings
- **Reduced space** needed when open
- Ideal solution to separate large rooms (restaurants, lecture-rooms, halls...)

For doors over 500 kg place an additional bracket on the push back side and use brackets 8578MC or brackets 8578ML



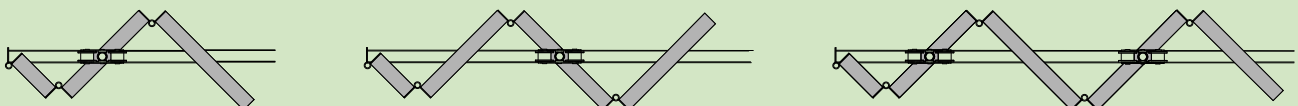
EXAMPLES OF HANGER POSITIONING:

For doors without swinging panel:



Fix the first hanger in the middle of the first panel starting with the side opposite to the frame, and then a hanger every second panel.

For doors with swinging panel:



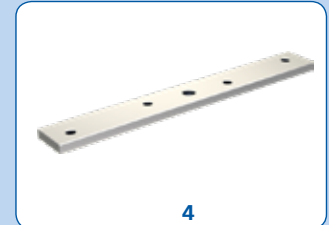
Fix the first hanger in the middle of the first panel preceding the folding panel, and then a hanger every second panel.

Sliding systems for CONCERTINA FOLDING doors with one half panel

600® Series



HANGERS: CAPACITY 30 Kg			Track: 2525
Item Nr	Fig.	Description	Pack.
0623	1	Swivelling hanger with adjustable height, nylon wheels, Ø M8 screw	2
0026	3	Top-fixing screwing plate Ø M8	10
0021	5	Side-fixing screwing plate Ø M8	10
1504C3	8	Top-fixing screwing hinge 80 x 45, Ø 4 mm axle	25
1088	12	Bottom guide without plate for U profile 25 x 17 (item No. 1109)	10
1102	14	Bottom guide on screwing plate for U profile 25 x 17 (item No.1109)	20
1109/400		Galvanised U-profile 25 x 17 - 4 m long	4
1109/500	17	Ditto - 5 m long	4
1109/600		Ditto - 6 m long	4
1109M	18	Jointing bracket for U-profile 25 x 17 (item No. 1109)	1



HANGERS: CAPACITY 40 Kg			Track: 3530
Item Nr	Fig.	Description	Pack.
0633A	2	Swivelling hanger with adjustable height, steel wheels, Ø M10 screw	2
0633D		Swivelling hanger with adjustable height, Delrin wheels, Ø M10 screw	2
0036	3	Top-fixing screwing plate Ø M10	20
0037	6	Side-fixing screwing plate for thin panels, Ø M10	10
0031	7	Adjustable apron set for 25 to 35 mm panels (see dimensions on p. 9)	16
1510C	9	Screwing hinge 80 x 60, Ø 10, top-fixing	10
1510SO	11	Welding hinge - Height: 80 mm - Axle: Ø 10 mm	4
1088	12	Bottom guide without plate for U-profile 25 x 17 (1109)	10
1102	14	Bottom guide on screwing plate for U-profile 25 x 17 (1109)	20
1109/400		Galvanised U profile 25 x 17 - 4 m long	4
1109/500	17	Ditto - 5 m long	4
1109/600		Ditto - 6 m long	4
1109M	18	Jointing bracket for U profile 25 x 17 (1109)	1



HANGERS: CAPACITY 75 Kg			Track: 5040
Item Nr	Fig.	Description	Pack.
0653A	2	Swivelling hanger with adjustable height, steel wheels, Ø M12 screw	2
0653D		Swivelling hanger with adjustable height, Delrin wheels, Ø M12 screw	2
0056	3	Top-fixing screwing plate Ø M12	10
0051	7	Adjustable apron set for 40 to 50 mm panels (see dimensions on p. 11)	10
1510C	9	Screwing hinge 80 x 60, Ø 10, top-fixing	10
1512C		Screwing hinge 85 x 85, Ø 12, top-fixing, for wood of 35	10
1512SO	11	Welding hinge - Height: 85 mm - Axle: Ø 12 mm	4
1089	13	Bottom guide without plate for U-profile 30 x 30 (1110)	10
1099	15	Bottom guide on screwing plate for U-profile 30 x 30 (1110)	10
1110/400		Galvanised U profile 30 x 30 - 4 m long	4
1110/500	17	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	18	Jointing bracket for U-profile 30 x 30 (1110)	1

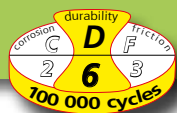


HANGERS: CAPACITY 150 Kg			Track: 6255
Item Nr	Fig.	Description	Pack.
0663	2	Swivelling hanger with adjustable height, steel wheels, Ø M14 screw	2
0066	4	Top-fixing screwing plate Ø M14	10
0061	7	Adjustable apron set for 50 to 65 mm panels (see dimensions on p. 13)	2
1512C	9	Screwing hinge 85 x 85, Ø 12, top-fixing for wood of 35	10
1514C	10	Screwing hinge 120 x 100, Ø 14, top-fixing for wood of 40	6
1514SO	11	Welding hinge - Height: 120 mm - Axle: Ø 14 mm	4
1089	13	Bottom guide without plate for U-profile 30 x 30 (1110)	10
1101	15	Reinforced bottom guide on screwing plate for U-profile 30 x 30 (1110)	10
1110/400		Galvanised U-profile 30 x 30 - 4 m long	4
1110/500	17	Ditto - 5 m long	4
1110/600		Ditto - 6 m long	4
1110M	18	Jointing bracket for U-profile 30 x 30 (1110)	1



HANGERS: CAPACITY 300 Kg			Track: 8570
Item Nr	Fig.	Description	Pack.
0683	2	Swivelling hanger with adjustable height, steel wheels, Ø M16 screw	2
0086	4	Top-fixing screwing plate Ø M16	2
0081	7	Adjustable apron set for 55 to 75 mm panels (see dimensions on p. 15)	2
1516C	10	Screwing hinge 120 x 100, axle Ø 16, top-fixing	4
1516SO	11	Welding hinge - Height: 120 mm - Axle: Ø 16 mm	4
1059	16	Bottom guide on screwing plate for U-profile 50 x 60 (1115)	5
1115/600	17	Galvanised U-profile 50 x 60 - 6 m long	1
1115M	18	Jointing bracket for U-profile 50 x 60 (1115)	1





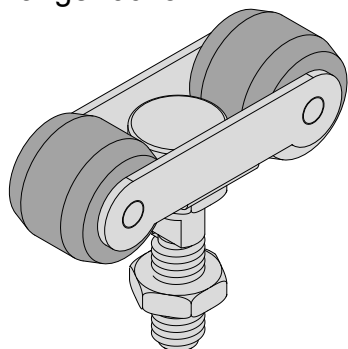
600 Series



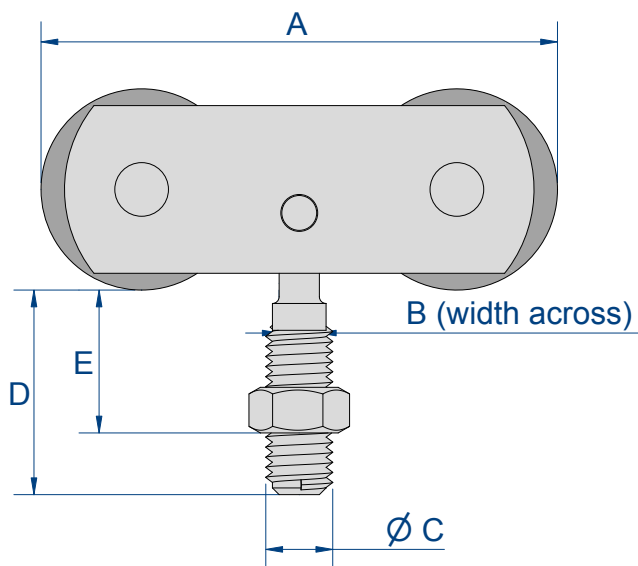
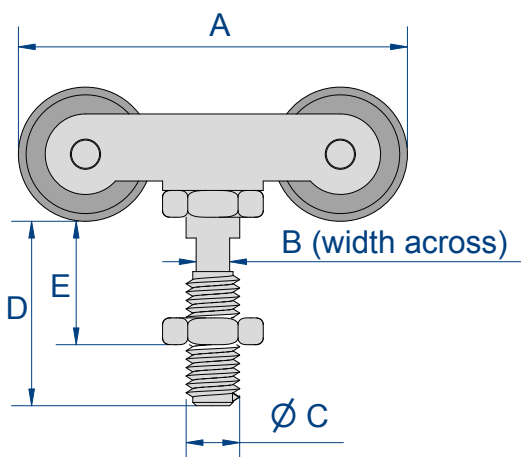
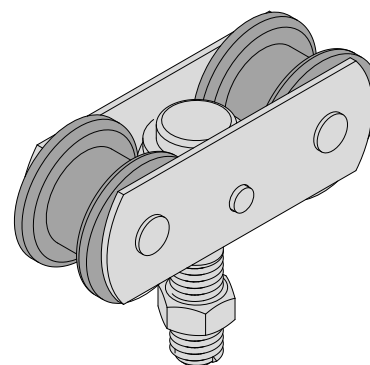
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Hangers 0633 to 0683

Hanger 0623

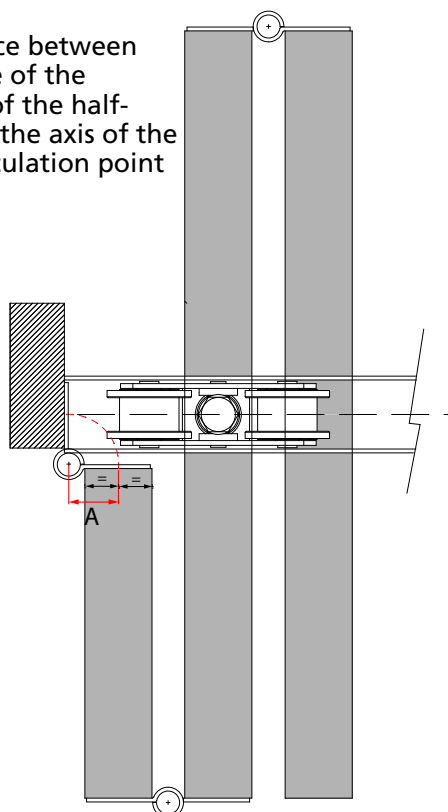


Item Nr	A	B	C	D	E min	E max
0623	55	5	M 8	25	5	17
0633	77	8	M 10	28	8	18
0653	116	10	M 12	47	12	35
0663	137	12	M 14	59	14	45
0683	168	14	M 16	71	16	55



IMPORTANT RECOMMENDATION:

A = distance between the middle of the thickness of the half-panel and the axis of the hinge articulation point



Once the panels have been assembled with hinges and folded parallel one to another, mark a central line on the top and bottom edges.

The hangers, (and if required the guides), must be fixed on these lines and in the middle of the panel thickness.

PANEL WIDTH:

Opening on the right and on the left:

$$\text{Width of 1 panel} = \frac{\text{width of the opening} + 2 \times \text{A dimension}}{\text{number of standard panels} + 1}$$

$$\text{Width of 1/2 panel} = \text{half of 1 panel} - \text{dimension of A}$$

Opening on one side only:

$$\text{Width of 1 panel} = \frac{2 \times \text{width of the opening} + 2 \times \text{A dimension}}{2 \times \text{number of standard panels} + 1}$$

$$\text{Width of 1/2 panel} = \text{half of 1 panel} - \text{dimension of A}$$

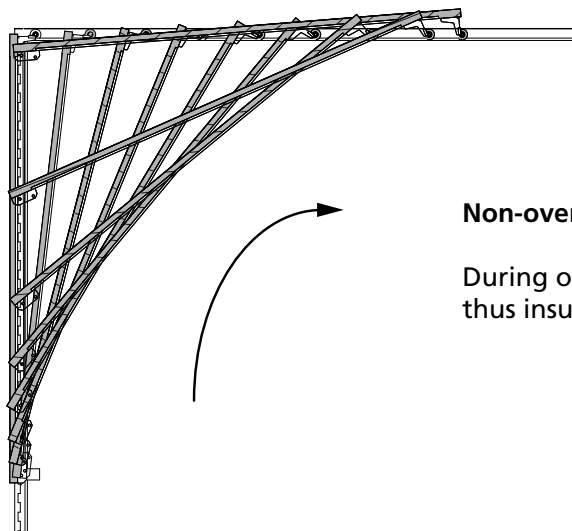
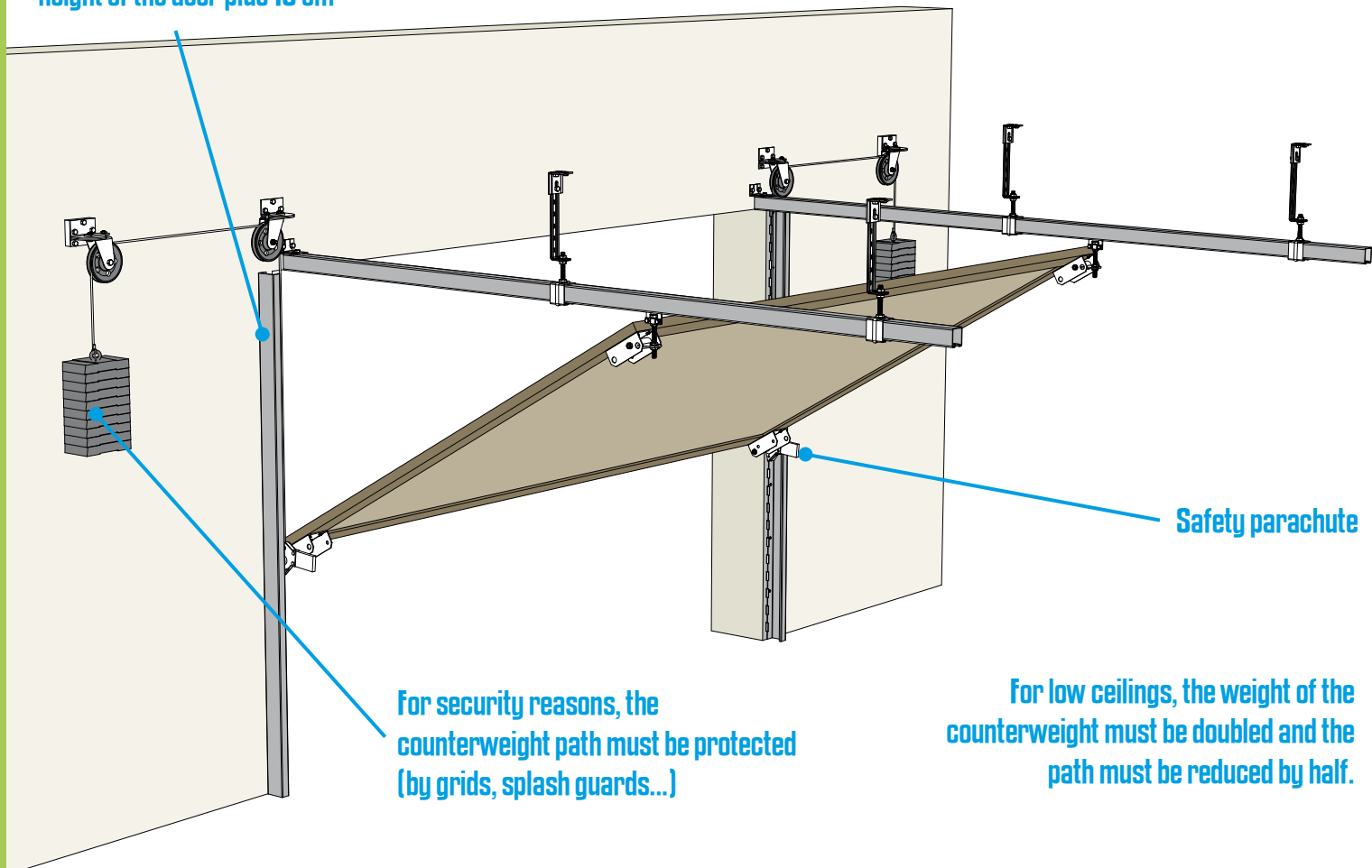
See our assembly recommendations on p. 32

CAPACITY / DOOR: up to 450 kg

MOVEMENT: UP & OVER

- Easy to install
- **Balancing with counterweight:** easy to install and avoid all risks of disadjustment
- **Safety:** integrated parachute system (slide and parachute hanger)
- **A range adapted to doors of wide dimensions** (up to 450 Kg)
- All our doors can be motorised

The length of each vertical track should be equal to the height of the door plus 10 cm



Non-overrunning doors:

During opening, the door frame remains on the inside: thus insuring perfect sealing

Sliding systems for UP & OVER doors

4000[®] Series



For residential doors

38-39

For industrial doors

40-41

CAPACITY / DOOR: up to 100 kg

TRACK: 7050

MOVEMENT: UP & OVER

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See our assembly instructions on p. 36

TRACKS & SLIDERS			Track: 7050
Item Nr	Fig.	Description	Pack
7050P/250	1	Galvanized track - 2.50 m long - thickness 20/10 - drilled every 0.50 m with square holes for square head screws of 6 Height: 53 mm	1
4050CP	2	Set of 2 curves - To be used in case of automatic door to a perfect running	1
7056	3	Notched slide - 2.63 m long	1



HANGERS & GUIDES			
4450	4	Hanger with Delrin wheels and adjustable bracket	2
4451D	5	Guide with Delrin wheel and safety parachute. For the right side	1
4451G		Ditto - For the left side	1



ACCESSORIES			
4090	6	Adjustable pulley with nylon wheel - Ø ext. 90 mm groove Ø: 75 mm for cables of Ø max. 4 mm	2
8145F	7	Deflection pulley with cast iron wheel. Ø ext. 145 mm - groove Ø: 120 mm for cables of Ø max. 6 mm	1
7102	8	Counterweight in cast iron 2 Kg	1
7105		Counterweight in cast iron 5 Kg	
7153	9	Standard plate for the fixing of the horizontal track Length = 115 mm	1
7153L		Ditto in long version - Length = 160 mm	



KIT		
4001	Kit including: 2 hangers ref. 4450 1 guide ref. 4451D 1 guide ref. 4451G 4 pulleys ref. 4090 2 plates ref. 7153 2 plates ref. 7153L	1

**HOW TO CALCULATE THE COUNTERWEIGHTS:**

With swivelling pulleys, balancing counterweights can be placed anywhere, their travel being in general equal to the height of the door.

Two possibilities:

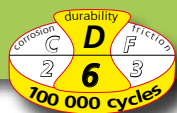
① With adjustable pulley:

It is necessary to elevate the end pulley or to arrange a pit in the ground depending of the path (the pit must be equal to the height of the door).

The balancing mass must be lightly over the half-weight of the door.

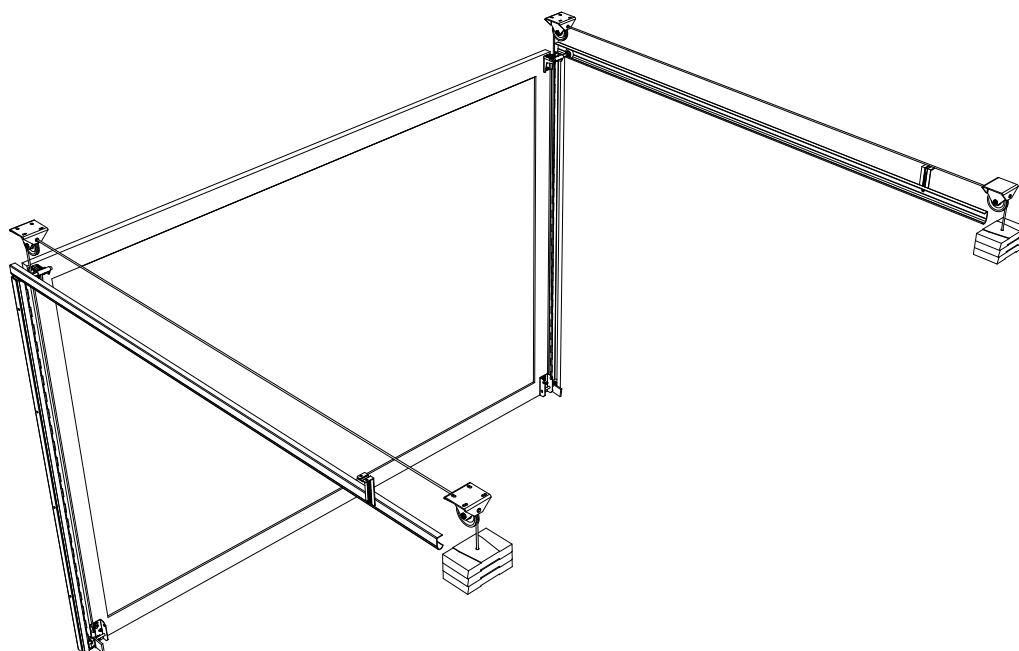
② With adjustable pulleys + deflection pulleys:

Use additionnal pulleys ref. 8145F. Then the balancing mass must be doubled but the path is reduced by half.

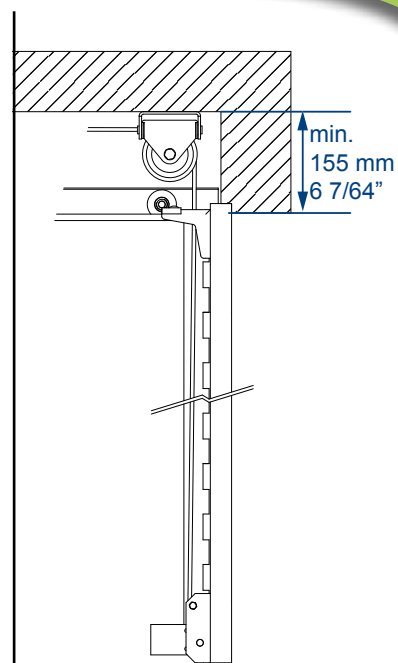


4000 Series

MANUAL USE:

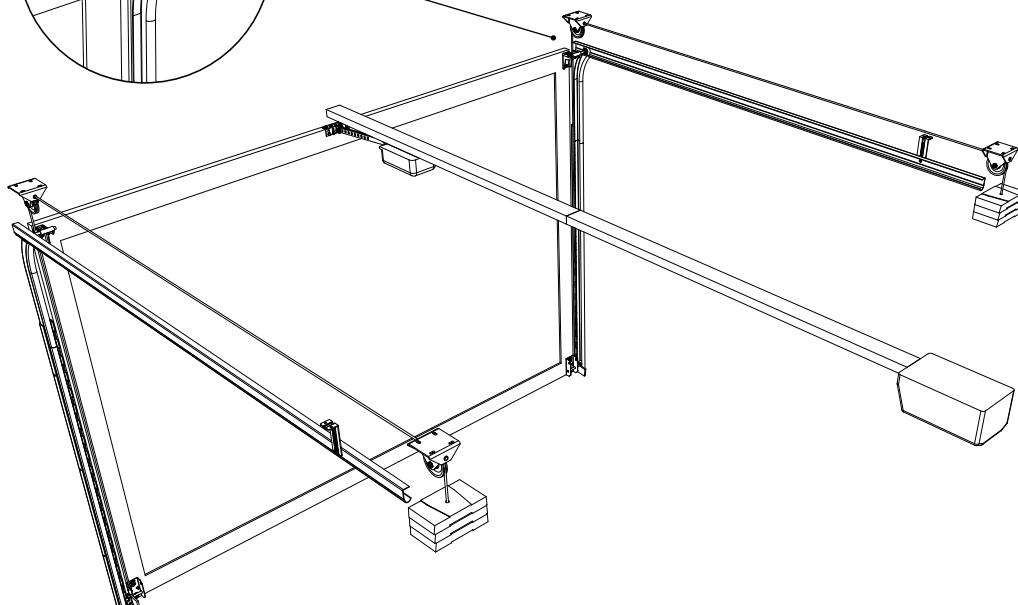
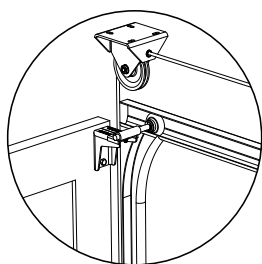


Manual operating up & over door, standard range

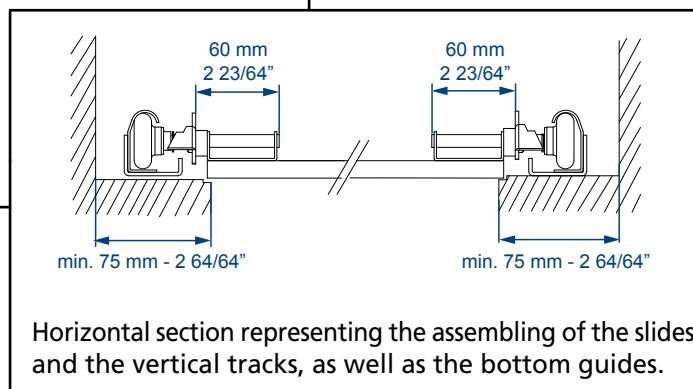


Vertical section representing the assembling of the bottom guides and hangers.

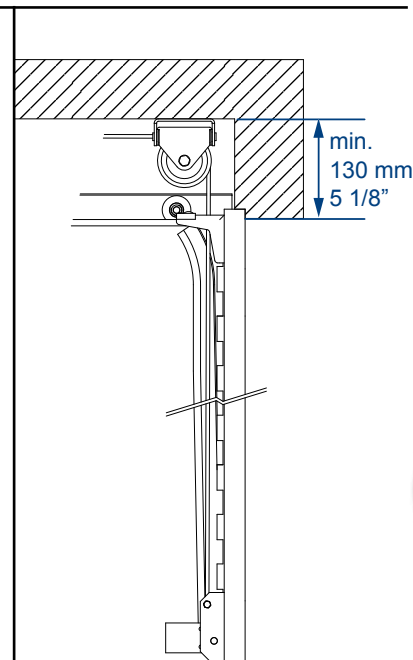
AUTOMATIC OPERATION:



The curves are essential for a perfect running.
Maximal height: 2.3 m. Do not use a lock with automatic operation



Horizontal section representing the assembling of the slides and the vertical tracks, as well as the bottom guides.



Vertical section, representing the assembling of the bottom guides and hangers.

CAPACITY / DOOR: up to 450 kg

TRACK: 5040 - 6255 - 8570

MOVEMENT: UP & OVER



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see our assembly recommendations on p. 36

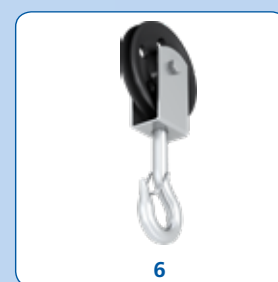
capacity per door

TRACKS				
Item Nr	Fig.	Description	Pack.	
5040	1	up to 200 kg Galvanised track 50 x 40 mm Available in 4 m, 5 m and 6 m length		
6255		from 200 kg to 350 kg Galvanised track 62 x 55 mm Available in 4 m, 5 m and 6 m length		
8570		from 350 kg to 450 kg Galvanised track 85 x 70 mm Available in 4m, 5 m and 6 m length		

SLIDES, HANGERS & GUIDES					
5040	6255	8570	Fig.	Description	Pack.
4357	-	-	2	Notched slide - 3 m long	1
-	4272	-		Notched slide - 2 m long	1
4540	4655	4870	3	Hanger	1
4541D	4656D		4	Guide with safety parachute for the right side	1
4541G	4656G			Ditto for the left side	1

ACCESSORIES				
4145F	5	Adjustable pulley with cast iron wheel. Ø ext. 145 mm - groove Ø 120 mm for cables of Ø max. 6 mm		1
8145F	6	Deflection pulley with cast iron wheel. Ø ext. 145 mm - groove Ø 120 mm for cables of Ø max. 6 mm		1
7102	7	Counterweight in cast iron 2 Kg		1
7105		Counterweight in cast iron 5 Kg		1

KIT for doors up to 200 kg (track 5040)			
4002	Kit including: 2 hangers ref. 4540 1 guide ref. 4541D 1 guide ref. 4541G 4 sheaves ref. 4145F 2 angle plates ref. 5043 (see on p. 58) 4 top-fixing plates ref. 5044 (see on p. 58) 4 brackets ref. 5041 (see on p. 57)		1

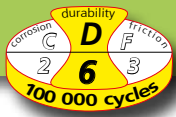


HOW TO CALCULATE THE COUNTERWEIGHTS:

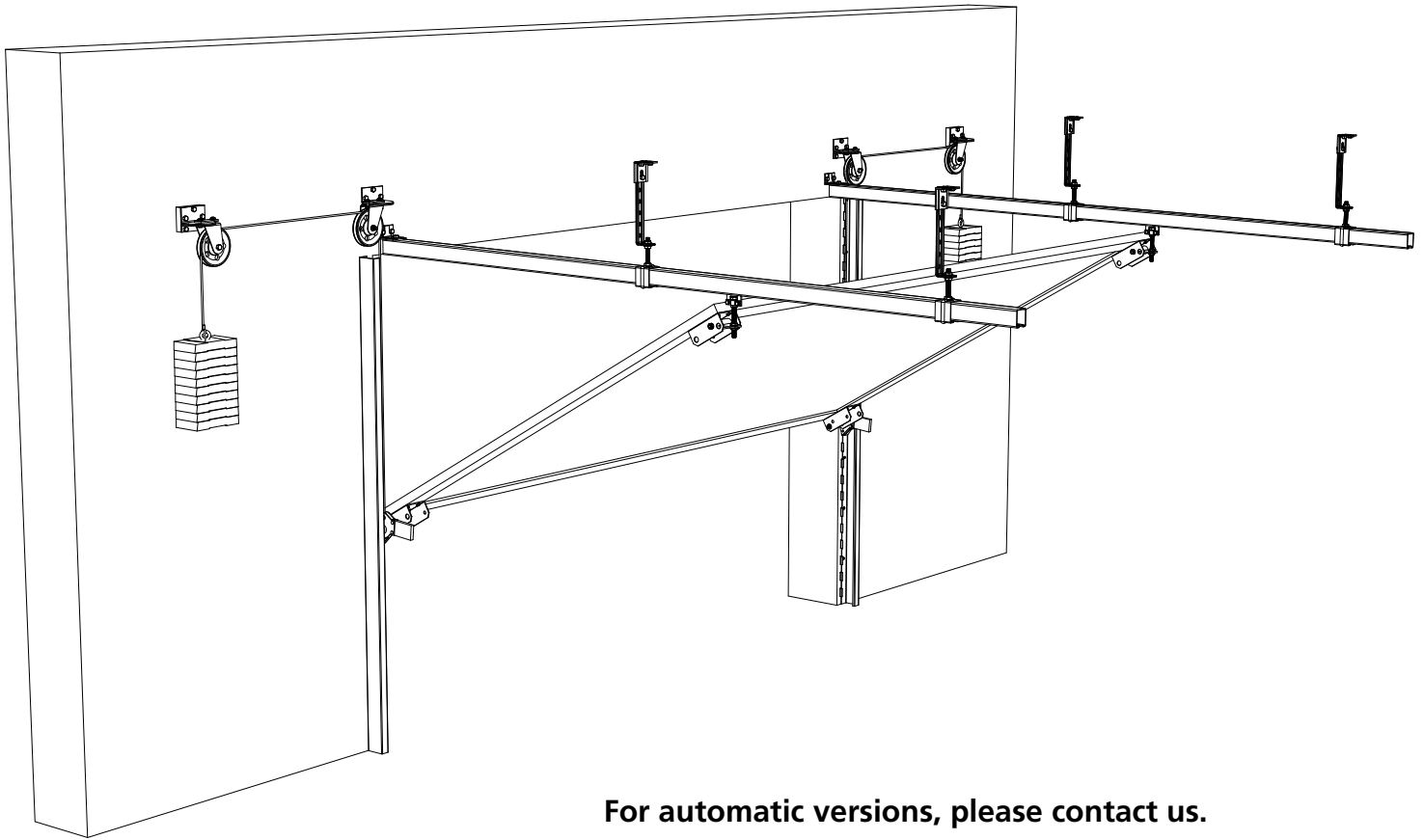
With swivelling pulleys, balancing counterweights can be placed anywhere, their path being in general equal to the height of the door.

Two possibilities:

- ① With swivelling pulleys:
It is necessary to elevate the end pulley, or to arrange a pit in the ground depending of the path (the pit must be equal to the height of the door).
The balancing mass must be lightly over the half-weight of the door.
- ② With swivelling pulleys + deflection pulleys:
Use additionnal pulleys ref. 8145F. The balancing mass must then be doubled but the travel is reduced by half.



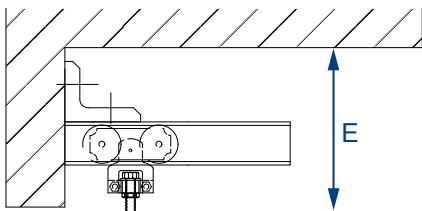
MANUAL USE:



For automatic versions, please contact us.

ASSEMBLY DETAILS FOR HANGERS:

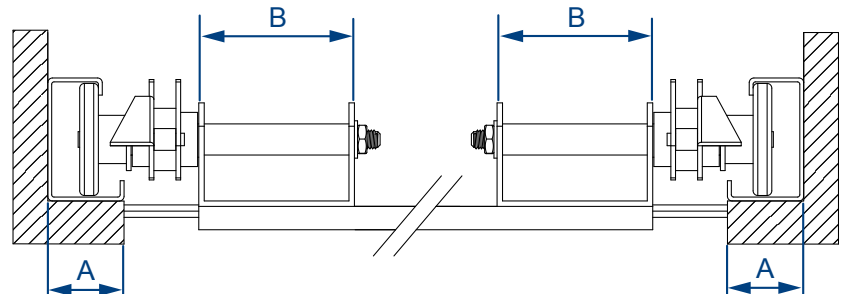
Vertical section representing the assembly of the bottom guides and hangers.



Track	E min
5040	170
6255	210
8570	245

ASSEMBLY DETAILS FOR GUIDES:

Horizontal section representing the assembly of the bottom guides and of the slides.

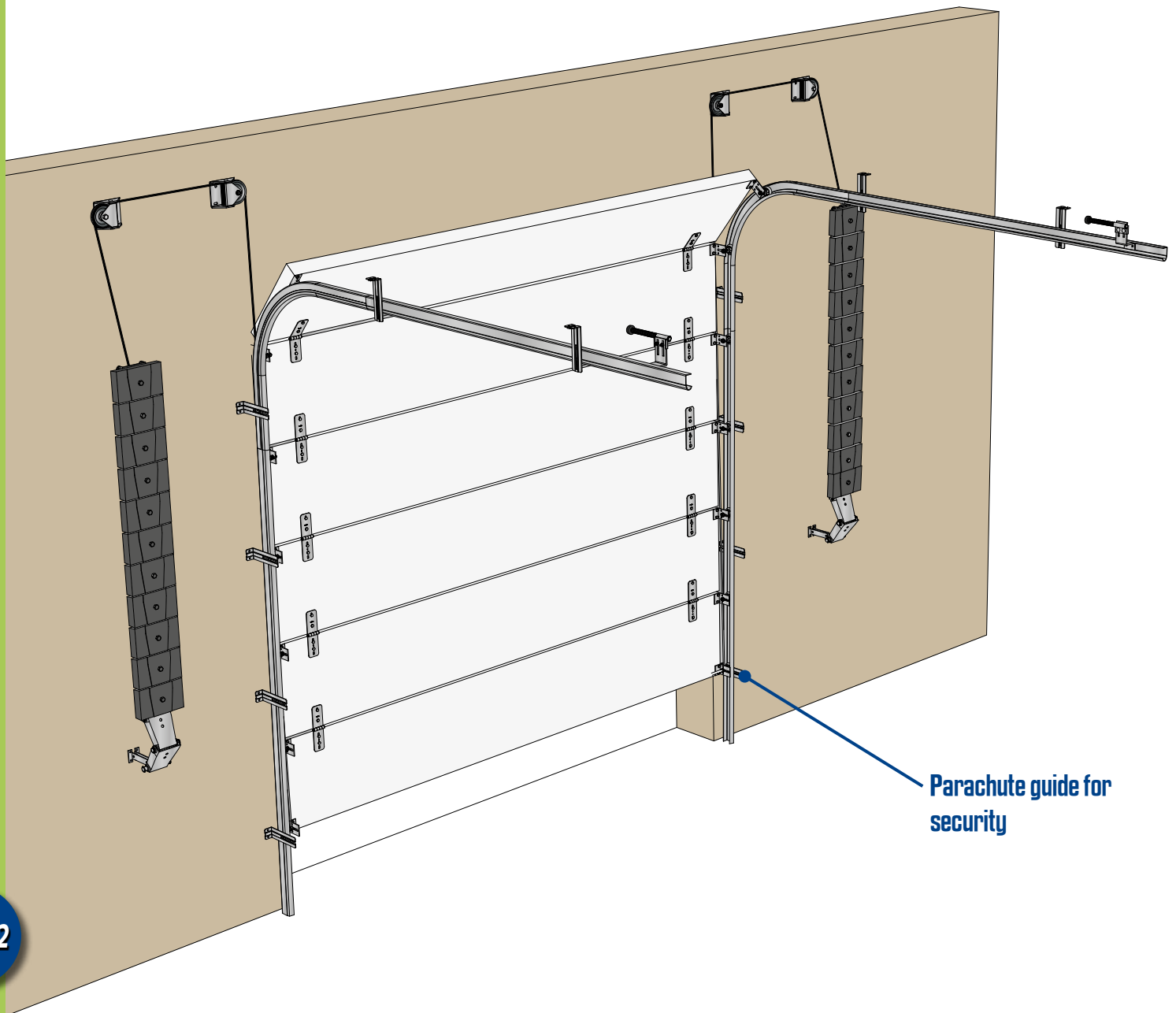


Guide	min. quoin A	Width of the fixing bracket B
4541	60	60
4656	80	100

CAPACITY / PANEL: up to 50 kg

MOVEMENT: SECTIONAL

- An industrial range which ensures reliability and solidity
- All our doors can be motorised



Parachute guide for security

Sliding systems for SECTIONAL doors

7000[®] SERIES ***Sectional doors for industrial use***



CAPACITY / PANEL: up to 50 kg

For industrial doors (panels up to 30 kg and 50 kg)

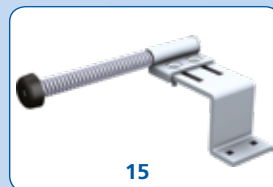
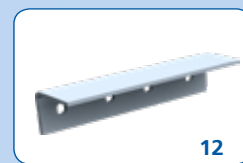
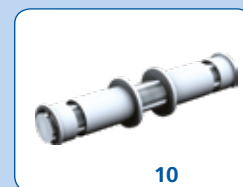
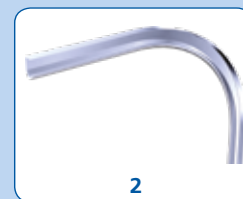
MOVEMENT: SECTIONAL

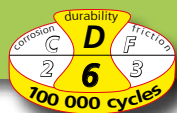
capacity per panel

TRACKS, CURVES AND SLIDES				
Item Nr		Fig.	Description	Pack.
30 kg	50 kg			
7050/600	-	1	Track . Length: 6 m - Thickness: 20/10° Height: 53 mm	
7050P/250	-		Track. Length: 2.50 m. Thickness: 20/10° Drilled every 0.50 m - Height: 53 mm	
-	7080/600		Track. Length: 6 m - Thickness: 25/10° Height: 80 mm	
-	7080P/250		Track: 2.50 m - Thickness: 25/10° Drilled every 0.50 m - Height: 80 m	
7050C	-	2	Curve for track 7050 Radius: 250 mm	
7050CP	-		Ditto drilled for jointing	
7051C	-		Curve for track 7050 Radius: 400 mm	
7051CP	-		Ditto drilled for jointing	
-	7080C		Curve for track 7080 Radius: 400 mm	
-	7080CP		Ditto drilled for jointing	
-	7081C		Curve for track 7080 Radius: 550 mm	
-	7081CP		Ditto drilled for jointing	
7056	-	3	Moulded notched slide, drilled - Length: 2.63 m	
-	7086			

HANGERS				
30 kg	50 kg	Fig.	Description	Pack.
7053	7083			
7053L	7083L	Ditto on a long axle (155 mm)		
7054		5	Bracket for rollers 7053 and 7083 Adjustable from 10 to 87 mm	
7055		6	Long bracket for rollers 7053 et 7083 Adjustable from 85 to 137 mm	
4451D 4451G	7088D 7088G	7	Parachute guide for right side (D)	
		8	For left side (G)	

ACCESSORIES				
30 kg	50 kg	Fig.	Description	Pack.
7100				
7110		10	Jointing axle for chain link 7100	
7102		11	Counterweight in cast iron 2 kg	<i>Weight of the counterweight = door weight</i>
7105			Counterweight in cast iron 5 kg	
7151		12	Plate for the jointing of the track and the curve	
7153		13	Plate for the horizontal fixing of the track - Standard version	
7153L			Ditto long version	
4090	4145F	14	Swinging pulley - see on p. 63	2
1087		15	Spring stop - Adjustable height	
1508PS		16	Adjustable hinge - Side fixing 50 x 65 mm, axle Ø 8	25
1508PSE		17	Adjustable hinge - Side fixing 50 x 200 mm, axle Ø 8	10
1510P		18	Hinge - Side fixing 80 x 60 mm, axle Ø 10	10
1510PS		19	Adjustable hinge - Side fixing 50 x 200 mm, axle Ø 10	10
6261		20	Adjustable bracket	

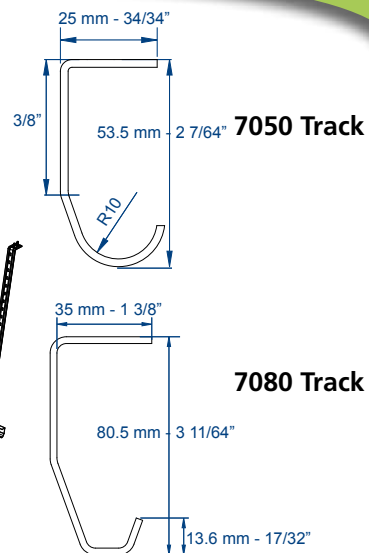
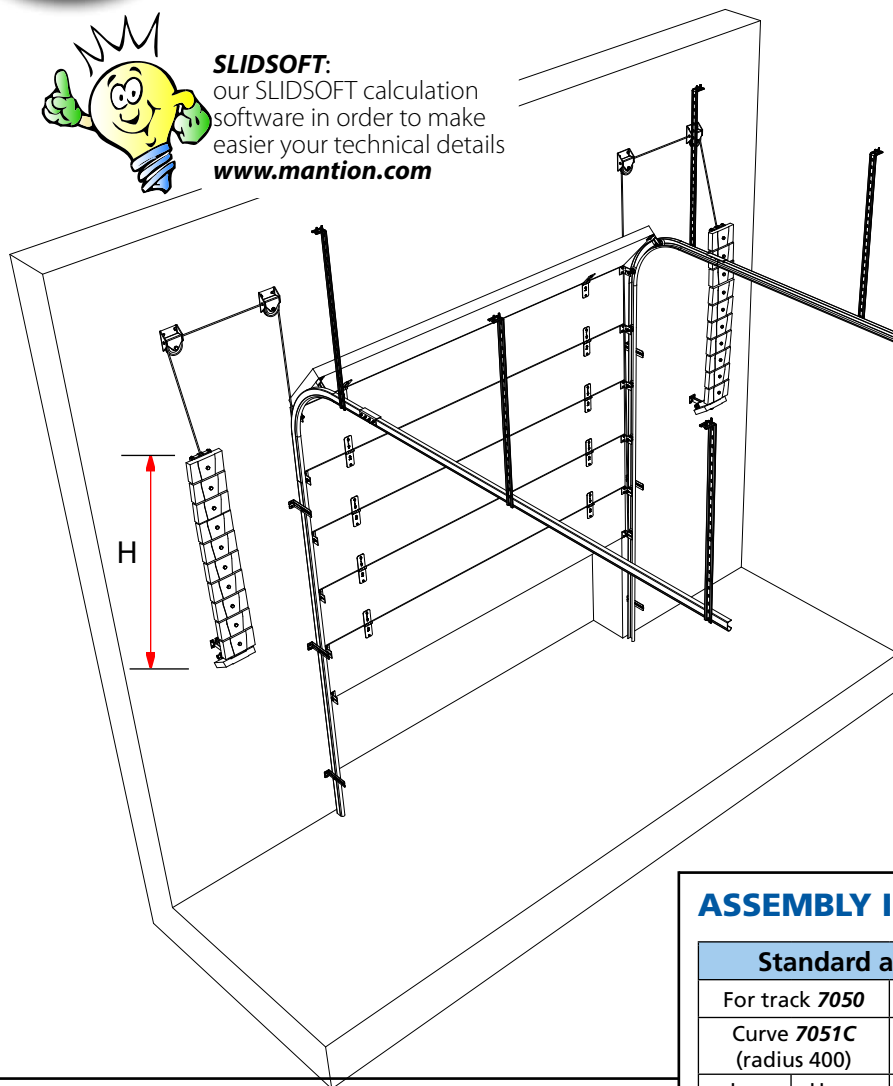




7000 series



SLIDSOFT:
our SLIDSOFT calculation software in order to make easier your technical details
www.mantion.com



Balancing:

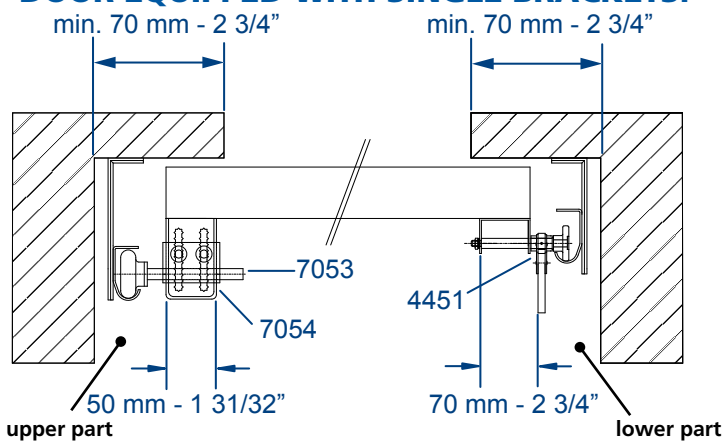
$$\text{Chain height } H = \frac{\text{Door height}}{2}$$

Total counterweight weight = door weight

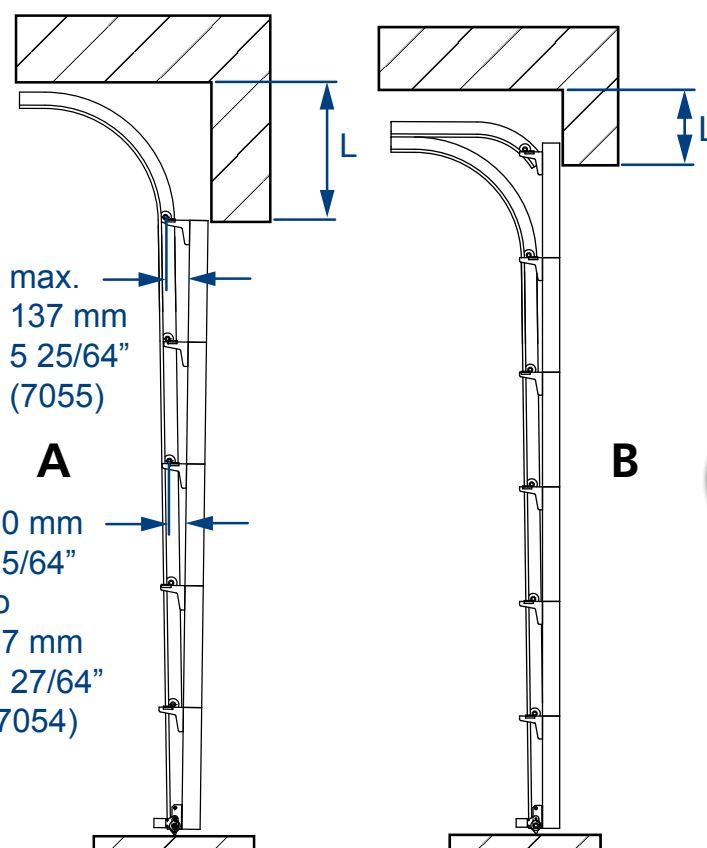
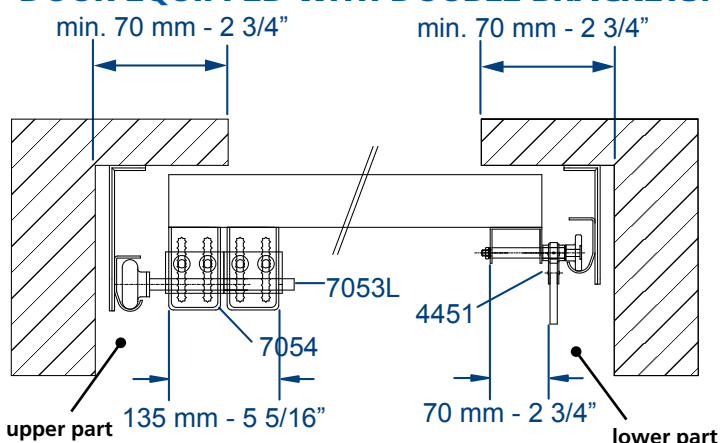
ASSEMBLY INSTRUCTIONS:

Standard assembly A		Standard assembly B	
For track 7050	For track 7080	For track 7050	For track 7080
Curve 7051C (radius 400)	Curve 7081C (radius 550)	Curve 7050C (radius 250)	Curve 7080C (radius 400)
L = min.	Upper bracket	L = min.	Upper bracket
400	7054	490	7054
350	7055	460	7055
		+ Curve 7051C (radius 400)	+ Curve 7081C (radius 550)
		+ L: 200 min.	+ L: 300 min.

DOOR EQUIPPED WITH SINGLE BRACKETS:



DOOR EQUIPPED WITH DOUBLE BRACKETS:

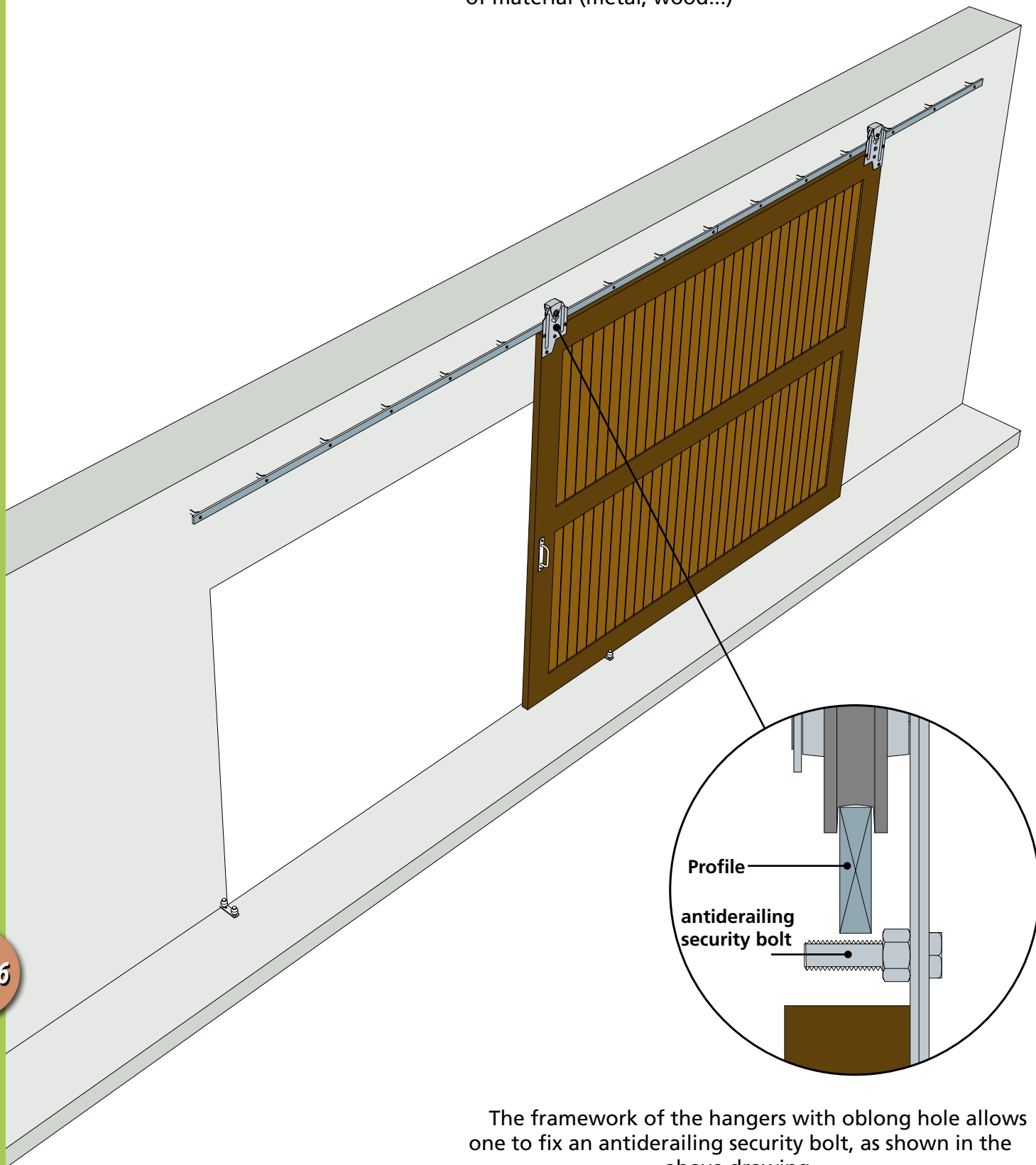


CAPACITY / DOOR: up to 700 kg

TRACK: FLAT TRACK

MOVEMENT: STRAIGHT

- **Simple:** the easiest sliding system to assemble. Maintenance free.
- **Durability:** long lasting running and easy working.
- **Security:** most hangers are equipped with an efficient antiderailing system.
- **Economic:** the simplicity of this system makes it economic
- **Adaptability:** the hangers are compatible with any kind of material (metal, wood...)



The framework of the hangers with oblong hole allows one to fix an antiderailing security bolt, as shown in the above drawing.

***Systems for straight
sliding doors
on a FLAT TRACK***

SPORT Series®



CAPACITY / DOOR: up to 700 kg

TRACK: FLAT TRACK

MOVEMENT: STRAIGHT

capacity per door

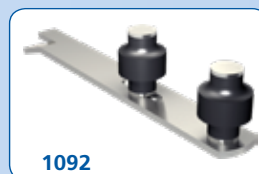
required flat track section

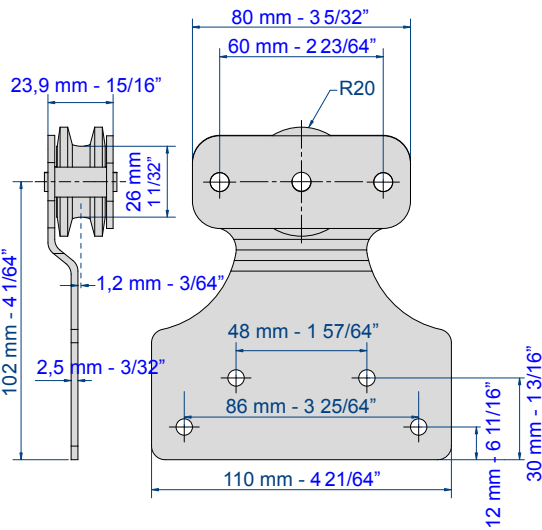
HANGERS				
0042	40 kg	35 x 6	Side fixing hanger - with POLYAMIDE roller mounted on needle roller bearings	2
0015	40 kg	35 x 6	Side fixing hanger - with POLYAMIDE roller mounted on needle roller bearings	6
0017	80 kg	50 x 6	Side fixing hanger - with POLYAMIDE roller mounted on needle roller bearings	2
ROC1A	130 kg	50 x 6	Side fixing hanger - with ZYTEL roller mounted on needle roller bearings	20
ROC1F	130 kg	50 x 6	Side fixing hanger - with ZYTEL roller mounted on needle roller bearings	20
ROC2A	200 kg	50 x 10	Side fixing hanger - with delrin hub and steel flange mounted on needle roller bearings	10
ROC2F	200 kg	50 x 10	Side fixing hanger - with cast iron roller mounted on needle roller bearings	10
0250A	250 kg	50 x 10	Side fixing hanger - with nylon hub and steel flanges, mounted on needle roller bearings	2
0250F	250 kg	50 x 10	Side fixing hanger - with cast iron roller mounted on needle roller bearings	2
0400	400 kg	50 x 12	Side fixing hanger - with cast iron roller mounted on needle roller bearings	8
0700	700 kg	50 x 12	Side fixing hanger - with cast iron roller mounted on precision ball bearings	4

FLOOR GUIDING			
1091	Horizontal sealing guide with 1 ZYTEL olive		4
1091V	Adjustable guide with 1 olive ZYTEL - Screwing type		4
1092	Horizontal sealing guide with 2 ZYTEL olives		10
1092V	Adjustable guide with 1 olive ZYTEL - Screwing type		6

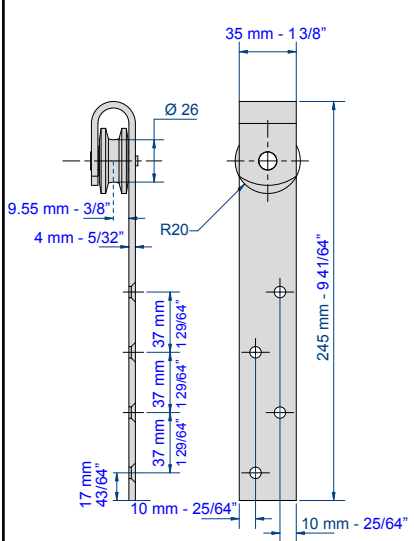
ACCESSORIES			
1734	Plate for flat track fixing		1
1297	Handle on a 265 mm plate		10
1298	Handle with end fasteners - 245 mm long.		10

SINGLE WHEELS FOR HANGERS			
1002A	Steel wheel Ø 82 mm for hangers ROC 1 A, ROC 2 A, 0250 A		2
1002F	Cast iron wheel Ø 82 mm for hangers ROC 1 F, ROC 2 F, 0250 F		2
1004	Cast iron wheel Ø 108 mm for hanger 0400 mounted on needle roller bearings		2
1005	Cast iron wheel Ø 108 mm for hanger 0700 mounted on ball bearings		2

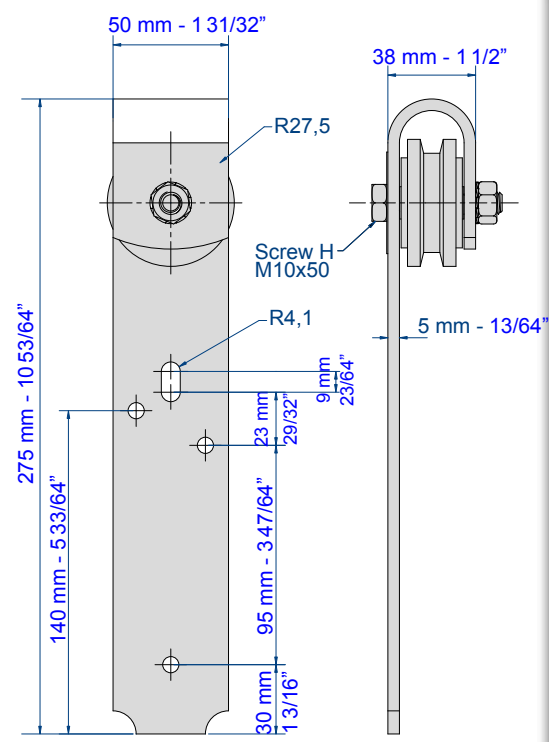




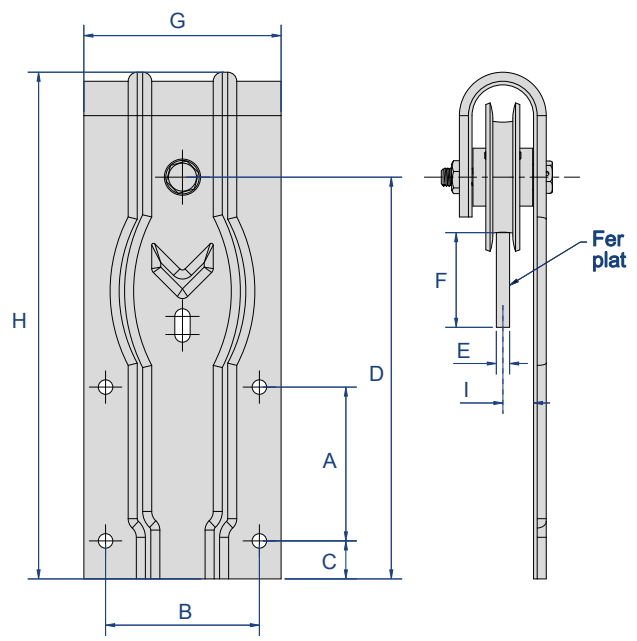
Hanger 0042



Hanger 0015

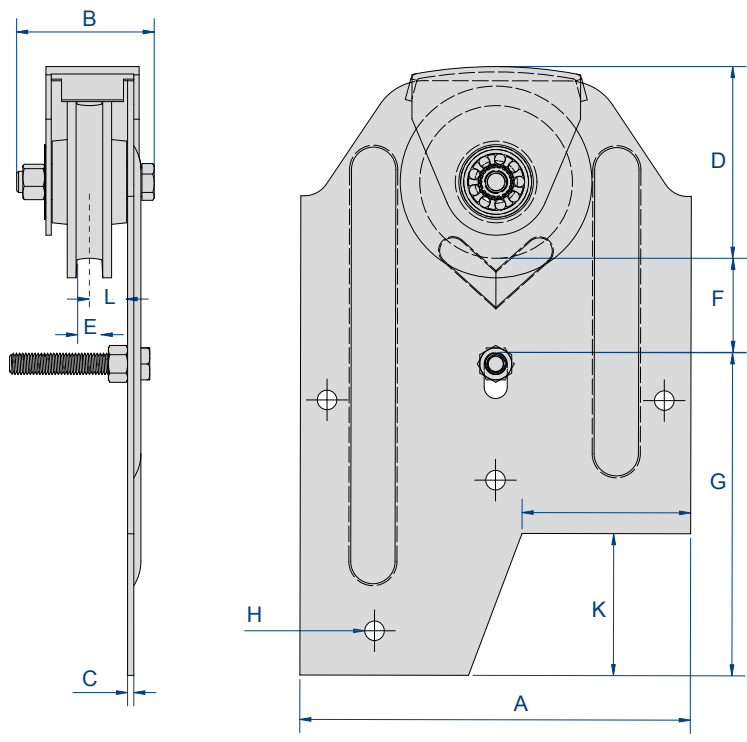


Hanger 0017



Hangers ROC1A & ROC2A - ROC1F & ROC2 F

Item Nr	A	B	C	D	E	F	G	H
ROC1A	85	85	21	222	10	50	109	280
ROC1F	85	85	21	222	10	50	109	280
ROC2A	90	118	28.5	252	10	50	146	310
ROC2F	90	118	28.5	252	10	50	146	310



Hangers 0250A & 0250F - 0400 & 0700

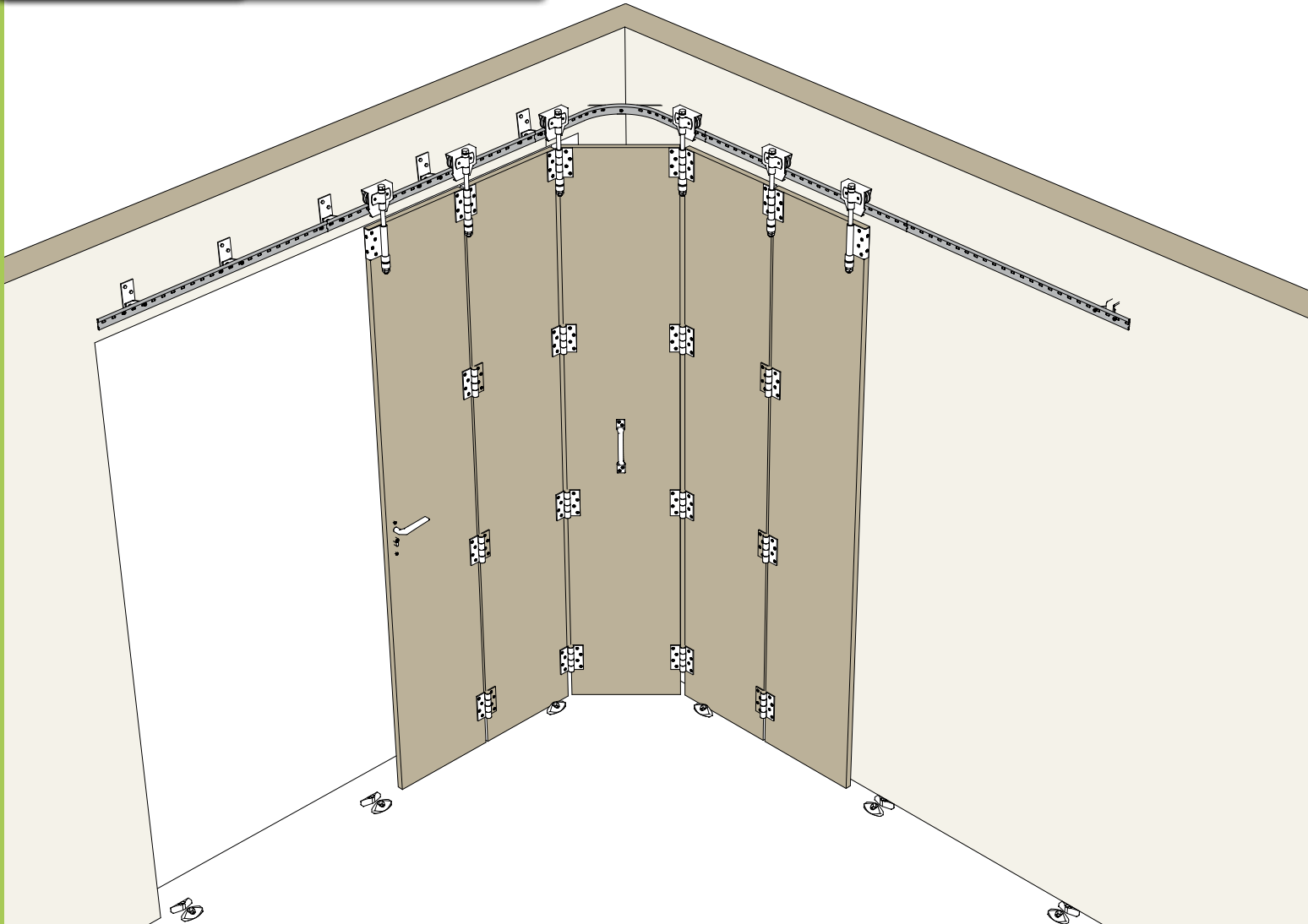
Item Nr	A	B	C	D	E	F	G	H	J	K
0250A	200	60	3	83.5	10	50	166.5	8.5	75	80
0250F	200	60	3	85	10	50	165	8.5	85	80
0400	220	75	3.5	105	12	50	180	11	95	80
0700	220	75	4	105	12	50	180	11	95	80

CAPACITY / PANEL: up to 100 kg

TRACK: PROFILE (BOB50)
FLAT TRACK (BOB100)

MOVEMENT: LATERAL

- **Ingenious:** the spring of the hanger enables a steady load distribution
- **Easy to install**
- **Possibility of installing a service door**



HOW TO CHOOSE THE HANGER AND THE TRACK:

For a door without service door: the weight of a single panel has to be considered

For a door **with a service door**: the weight of a panel has to be multiplied **by 1.5**

Hangers are supplied with side-fixing hinges

ON REQUEST:

BOB 50 can be supplied with the hinges 1512CR (top-fixing, rounded ends), 1512C (top-fixing) or 1512SO (welding type)

BOB 100 can be supplied with the hinges 1516C (top-fixing) or 1516SO (welding type)

In all cases, the hinges fixed on the panels and those fixed under the hangers must be identical to those equipping the hangers.

***Systems for
ROUND THE CORNER doors
sliding on a flat track***

BOB Series



BOB 50

52-53

BOB 100

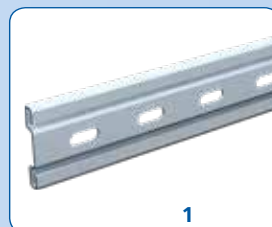
54-55

CAPACITY/ PANEL: up to 50 kg

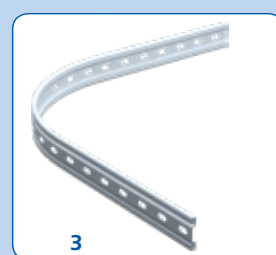
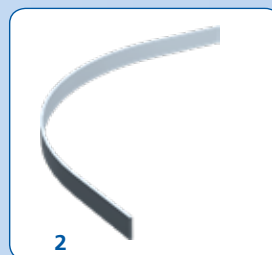
TRACK: profile 40 x 6

MOVEMENT: LATERAL

PROFILES			
Item Nr	Fig.	Description	Pack.
1716	1	Profile. Section 40 x 6 mm in galvanised steel , drilled. 2 m long	1
1717		Ditto 1.50 m long	1
1718		Ditto 1 m long	1



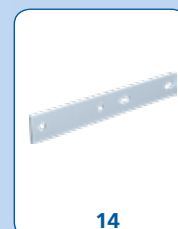
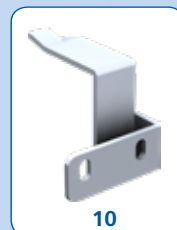
CURVES & SEALING BARS				
1701	2	Galvanised flat track curve - 40 x 6 mm section Radius: 270 mm	<i>For max. 400 mm panels</i>	1
1702		Galvanised flat track curve - 40 x 6 mm section Radius: 430 mm	<i>For max. 550 mm panels</i>	1
1721	3	Galvanised profiled curve - 40 x 6 mm section Radius: 350 mm	<i>For max. 350 mm panels</i>	1
1722		Galvanised profiled curve - 40 x 6 mm section Radius: 500 mm	<i>For max. 550 mm panels</i>	1
1722L		Galvanised profiled curve - 40 x 6 mm section Radius: 600 mm	<i>For max. 700 mm panels</i>	1
1710	4	Sealing bar - 25 x 4 mm section and 485 mm length For curves 1701 et 1721		1
1711		Sealing bar - 30 x 6 mm section and 620 mm length For curves 1702 and 1722		1
1760		Sealing bar - 35 x 5 mm section and 720 mm length For curves 1702 L and 1722 L		1

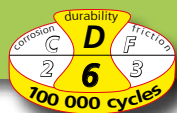


HANGERS			
BOB50	5	Side-fixing hanger with polyamide wheels mounted on needle roller bearings	2
BOB50E	6	End hanger with polyamide wheels mounted on needle roller bearings	2

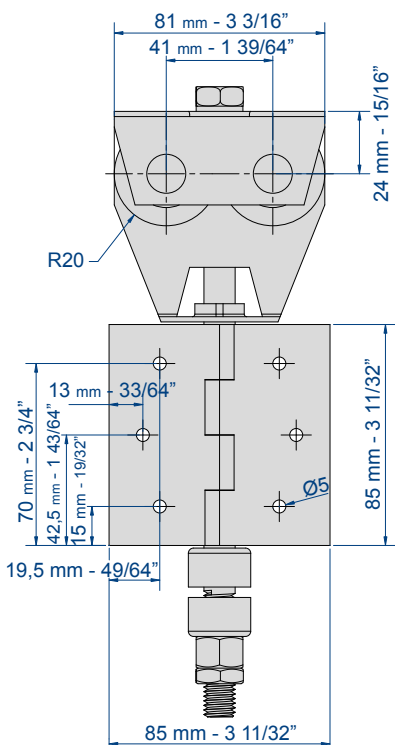


ACCESSORIES				
1512P	7	Top-fixing hinge 85 x 85 mm, spindle Ø 12 mm	10	
1512CR	8	Side-fixing hinge 85 x 60 mm, riveting or screwing type	10	
1703	9	Bracket screwing type for track of 40 x 6 mm section	<i>For a fixing on the track, use 6 x 16 screws and nuts</i>	1
1704	10	Ditto - sealing type		1
1011	11	Cast iron shoe guide, adjustable from 21 to 50 mm	10	
1012	12	Half shoe guide in cast iron	4	
1012N	13	Half shoe guide in full nylon, screwing type	20	
1709	14	Jointing plate for track elements in flat iron or for profiles of 40 x 6 mm section	1	
1301TN	15	Catch stop, cataphoresis treated	10	

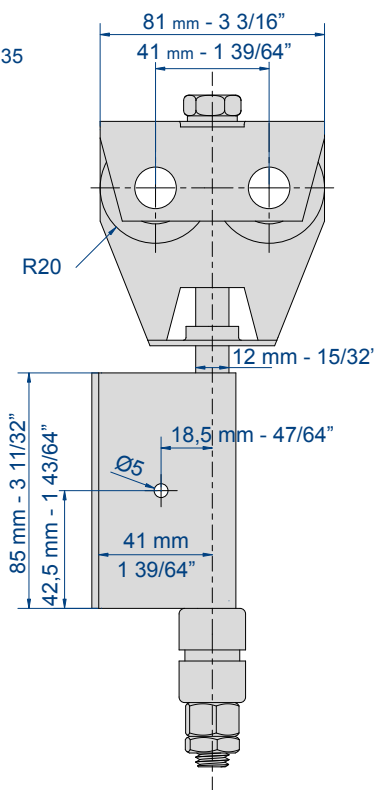
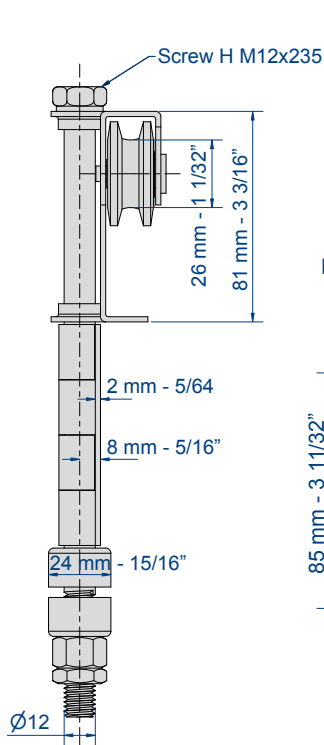




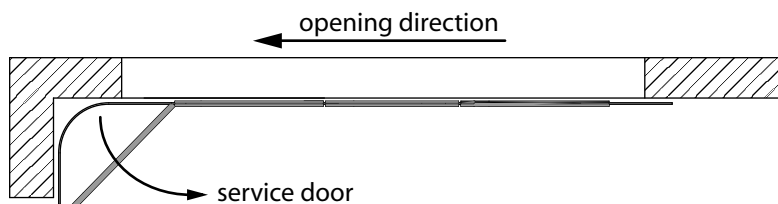
BOB 50 Series



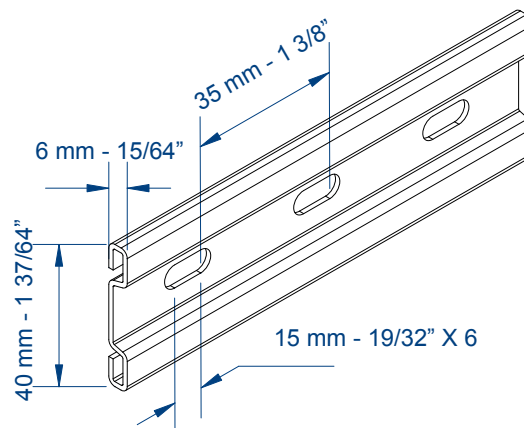
Intermediate hangers



End hangers

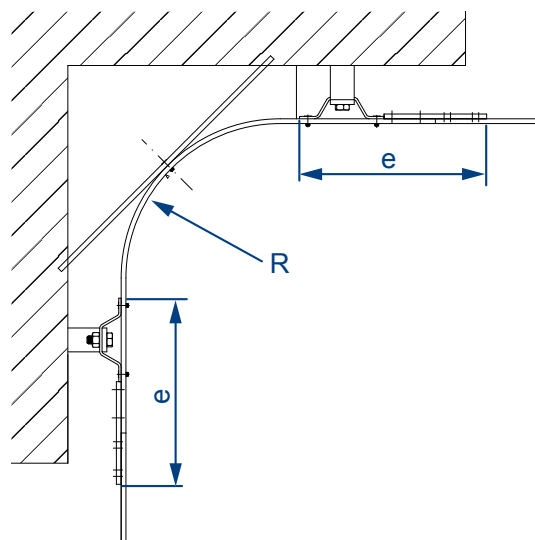


In case of openings with small quoins, the service door shall be placed on the push back side.



CURVES & SEALING BARS:

Item Nr	Description	Radius R	Max. panel width	Dim. e	Sealing bar
1701	Flat iron (cold drawn steel) 40 x 6 mm	350	400	180	1710
1702	Flat iron (cold drawn steel) 40 x 6 mm	500	550	180	1711
1721	Flat iron 40 x 6 mm	350	400	180	1710
1722	Flat iron 40 x 6 mm	500	550	180	1711
1722L	Flat iron 40 x 6 mm	600	700	222	1760



CAPACITY / PANEL: up to 100 kg

TRACK: flat iron 50 x 6

MOVEMENT: LATERAL

CURVE & SEALING BAR

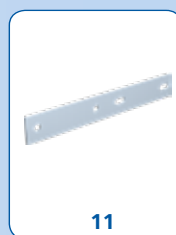
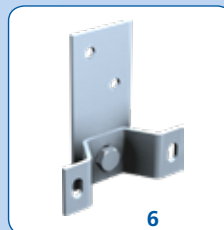
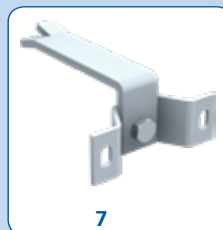
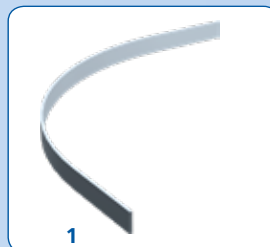
Item Nr	Fig.	Description	Pack.
1751	1	Galvanised flat track curve 50 x 6 mm section - Radius: 600 mm	1
1760	2	Sealing bar - 35 x 5 mm section and 720 mm length For curve 1751	1

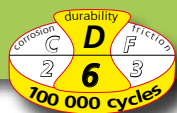
HANGERS

BOB100	3	Side-fixing hanger with polyamide wheels mounted on needle roller bearings	2
BOB100E	4	End hanger with polyamide wheels mounted on needle roller bearings	2

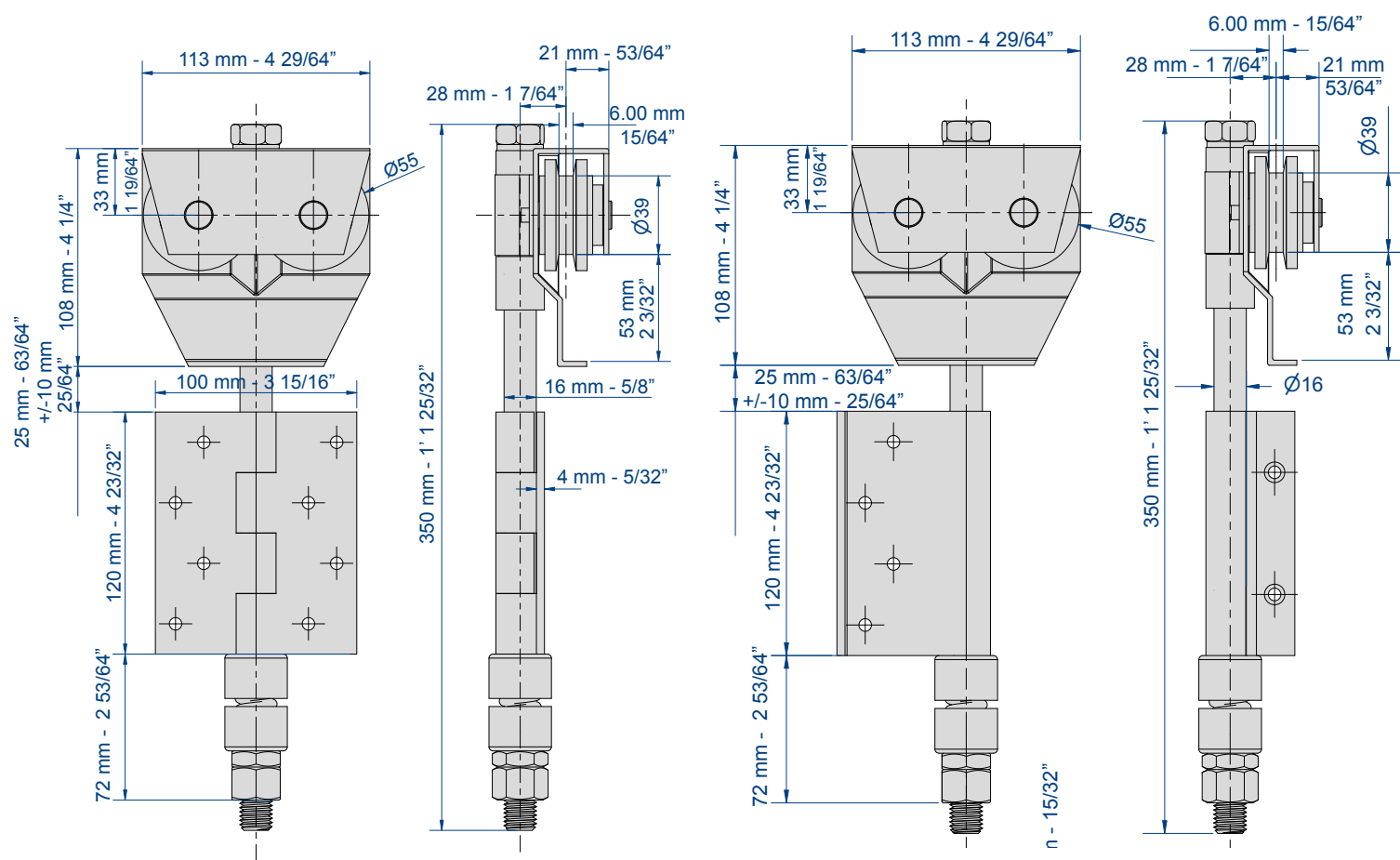
ACCESSORIES

1516P	5	Top-fixing hinge 120 x 100 mm, spindle Ø 16 mm	4
1752	6	Bracket screwing type for track of 50 x 6 mm section	1
1753	7	Ditto sealing type	1
1014	8	Cast iron shoe guide, adjustable from 32 to 70 mm	4
1015	9	Half shoe guide in cast iron	1
1012N	10	Half shoe guide in full nylon, screwing type	20
1709	11	Jointing plate for track elements in flat iron of 50 x 6 mm section	1
1302	12	Catch stop, reinforced version	4



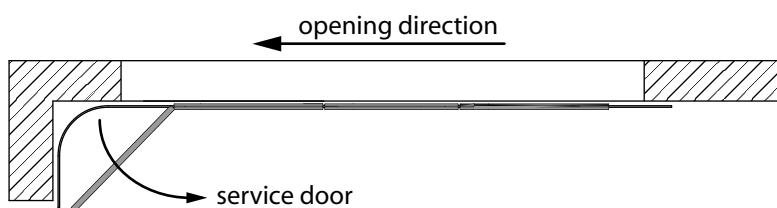


BOB 100 Series



Intermediate hangers

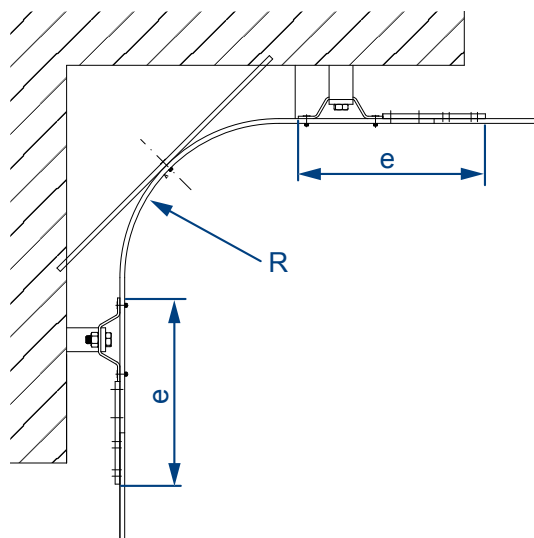
End hangers



For openings with low quins, the service door is placed on the push back side.

CURVE & SEALING BAR:

Item Nr	Description	Radius R	Max. panel width	Dim. e	Sealing bar
1751	Flat iron (cold drawn steel) 50 x 6 mm	600	700	222	1760



TUBULAR TRACKS		
Item Nr	Description	Pack.
2525F/400	2525 F Galvanised track, drilled and countersunk every 0.44 m, 26 x 25 mm section, 4 m long	4
2525F/500		4
2525F/600		4
3530/400	3530 Galvanised track 35 x 30 mm - 4 m long	4
3530/500		4
3530/600		4
5040/400	5040 Galvanised track 50 x 40 mm - 4 m long	
5040/500		
5040/600		
6255/400	6255 Galvanised track 62 x 55 mm, in 25/10° - 4 m long	
6255/500		
6255/600		
6255/600GE	6255GE Galvanised track 62 x 55 mm, in 20/10° - 6 m long	
8570/400	8570 Galvanised track (High Limit of Elasticity steel) 85 x 70 mm - 4 m long	
8570/500		
8570/600		

CURVES FOR TUBULAR TRACK		
3530C	Curve for galvanised track 35 x 30 mm, Radius = 500 mm.	1
5040C	Curve for galvanised track 50 x 40 mm, Radius = 600 mm.	1
6255C	Curve for galvanised track 62 x 55 mm, Radius = 800 mm.	1
8570C	Curve for galvanised track 85 x 70 mm, Radius = 1000 mm.	1

GUIDING PROFILES		
1109/400	1109 Galvanised U profile 25 x 17 mm - 4 m long.	4
1109/500		4
1109/600		4
1110/400	1110 Galvanised U profile 30 x 30 mm - 4 m long.	4
1110/500		4
1110/600		4
1115/600	1115 Galvanised U profile 50 x 60 mm - 6 m long.	

GUIDING CURVES		
1109C	Galvanised curve for U profile 25 x 17 mm, Radius = 500 mm.	
1111C	Galvanised curve for U profile 30 x 30 mm, Radius = 600 mm.	
1112C	galvanised curve for U profile 30 x 30 mm, Radius = 800 mm.	
1113C	Galvanised curve for U profile 30 x 30 mm, Radius = 1000 mm.	

TRACK	3530	5040	6255	8570
Track stop	1098	1098	2098	2098



The capacities are indicated for a manual operation. In case of automatic operation, the capacity must be divided by 2.

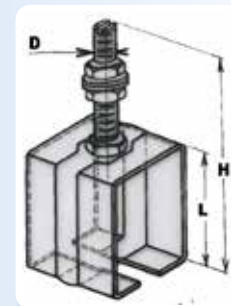
Check the dimensions and particularly the opening dimension. If this dimension is not correct, adjust the track by narrowing or widening its sides.

Joining two tracks can weaken an installation: it is essential to use joining brackets (see on p.57) in order to insure perfect assembly, without track disalignement. Welding has to be excluded.

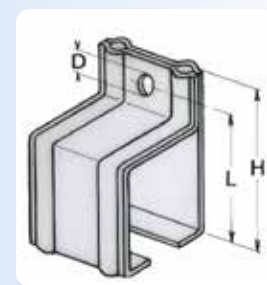
Before the use of the doors, it is recommended that the inside of the tracks be correctly cleaned and greased with bodied oil. To avoid any faulty sliding of the door, it is necessary to grease the inside of the tracks at least every 6 months.



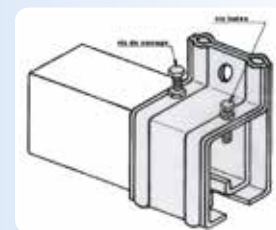
Track section:	25 x 25	35 x 30	50 x 40	62 x 55	85 x 70	85 x 70	
Description	Item Nr						
	Fixing bracket with normal rod	2521	3531	5041	6256	8571	8578MC*
	Fixing bracket with long rod	2521L	3531L	5041L	6256L	8571L	8578ML*
	Wall-fixing bracket		3631	5141	6356	-	-
	Top-fixing bracket, screwing type		3634	5144	6359	-	-
	Jointing bracket	2521M	3531M	5041M	6256M	8578M*	8578M*
	Jointing bracket with short rod	2521MC	3531MC	5041MC	6256MC	8578MC*	8578MC*
	Jointing bracket with long rod	2521ML	3531ML	5041ML	6256ML	8578ML*	8578ML*
	Wall-fixing bracket (can also be used as end bracket)		3631M	5141M	6356M	-	-
	Top-fixing bracket, screwing type (can also be used as end bracket)		3634M	5144M	6359M	-	-



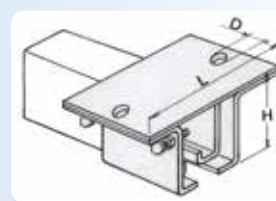
Fixing bracket



Wall-fixing bracket










Use of the jointing bracket as end bracket



*All versions of the item Nr 8578 must be used with reinforced plates **8573S** or **8576S** in case of heavy loads, and even more so with the «S» version hangers.

For the fixing of the tracks, it is recommended that a bracket be placed every **0.70 m**. For doors from 500 Kg and over, a bracket every **0.50 m** is **recommended**

Item Nr	Dim. D	Dim. H	Dim. L	Item Nr	Dim. D	Dim. H	Dim. L
2521	8	58	38	5144	10,5	57	100
2521L	8	88	38	6256	14	125	86
3531	10	85	50	6256L	14	180	86
3531L	10	135	50	6356	12,5	96	83
3631	8,2	57	49	6359	12,5	69	130
3634	6,5	41	76	8571	20	162	110
5041	12	116	67	8571L	20	227	110
5041L	12	170	67	8578MC	20	162	118
5141	10,5	78	67	8578ML	20	227	118

	TRACK	Item Nr	A		B		C	D	E	F	G
			Min.	Max.	Min.	Max.					
 Plate - Sealing type	35x30	3532	60	80	29	29	80				
	50x40	5042	80	100	34	34	150				
	62x55	6257	100	120	41	41	165				
	85x70	8572	135	150	53	53	180				
 Angle plate Screwing type	25x25	2523	70	100	13	24	26	30	21	4,2	32
	35x30	3533	89	104	20	30	35	44	30	6,5	40
	50x40	5043	115	133	25	40	40	60	42	8,5	60
	62x55	6258	137	152	35	50	50	70	48	10,5	70
	85x70	8573	198	216	45	60	80	100	72	11	90
	85x70	*8573S	190	206	45	60	70	100	70	12,5	90
 Soffit fixing plate screwing type	25x25	2524	60	95	25	25	90	6,5			
	35x30	3534	85	95	25	25	90	6,5			
	50x40	5044	110	125	35	35	110	8,5			
	62x55	6259	130	145	60	60	155	10,5			
	85x70	8574	165	180	70	70	155	12,5			
 Adjustment plate Sealing type	35x30	3535	82	127	40	65	165				
	50x40	5045	110	155	50	85	230				
	62x55	6260	140	165	70	98	290				
	87x70	8575	175	210	90	110	345				
 Adjustment plate Screwing type	35x30	3536	97	142	40	65	110	30	35	6,5	
	50x40	5046	128	173	50	85	132	43	40	7,5	
	62x55	6261	155	180	70	98	170	57	50	8,5	
	85x70	8576	180	225	90	110	210	72	65	10,5	
	85x70	**8576S	180	225	90	110	210	74	65	10,5	
 Fixing bracket For I-beam	35x30	3537	50	75	46	91					
	50x40	5047	60	80	46	91					
	62x55	6262	60	80	46	91					
	85x70	8577	75	95	46	91					
 Ornamental cap for end track	35x30	3540									
	50x40	5050									
	62x55	6265									
	85x70	8580									

*All versions of fixing and jointing brackets 8578 require the use of these reinforced plates.

**All versions of fixing and jointing brackets 8578 ML require the use of these reinforced plates.

- The capacity of the hanger must be determined by the door weight
- For the bottom guiding, please refer to our instructions (see on p. 56 and 57).
- The end stops must be placed at mid-height of the door
- For the track 5040 and upwards, stops with rubber buffers have to be used

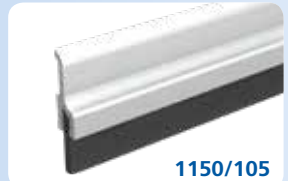
STOPS		
Item Nr	Description	Pack.
4023	Buffer stop Ø 20 mm	20
2692	Buffer stop Ø 40 mm	20
1085	Adjustable stop fixed on a plate for doors sliding between 2 walls	
1086	Screwing type stop with rubber buffer for door up to 80 Kg	
1094	Sealing type stop with rubber buffer	
1095	Ditto - reinforced version	
1096	Double stop in cast iron for door closing in the centre - Adjustable from 40 to 75 mm - sealing type	
2091	Screwing type stop with rubber buffer	
2094	Screwing type stop with 2 rubber buffers	
2095	Reinforced stop with 2 spring buffers - Screwing type.	

HANDLES		
1293	Handle in ABS, mortising type Height: 75 mm - Width: 20 mm	10
1296	Handle in ABS, mortising type Height: 70 mm - Width: 46 mm	10
1290	Handle made with buckled sheet 15/10° Height: 200 mm - Width: 90 mm	10
1290X	Ditto in stainless steel	10
1297	Handle on a 265 mm plate	10
1298	Handle made with buckled sheet - 245 mm	10

STOPS & BOLTS		
1301TN	Catch stop, cataphoresis treated, screwing type. Standard version	10
1302	Catch stop, raw steel. Reinforced version	4
1310N	Stopper in stainless steel «brush finish», Locking distance = 35 mm, height 140mm - width 40 mm	12
1311N	Stopper in stainless steel «brush finish», Locking distance = 35 mm, height 160mm - width 30 mm	
1312N	Stopper in ZAMAK, locking distance = 20mm, Height 135 mm - width 50 mm	
1314	Reinforced bolt with screwing type Length: 300 mm - Ø 14 mm	10
1314E	Reinforced cane bolt with screwing plate Height 300 mm Rod diameter 14 mm adjustable nut	
1314EF	Fixation kit with insert for 1314E and 1316E	
1314SO	Ditto, welding type - Length: 300 mm - Ø 14 mm	10
1314GE	Keeper of bolt, mortising type for 1314 and 1314 SO	
1314GP	Keeper of bolt for 1314 and 1314 SO	
1316	Reinforced bolt with screwing plates. Length: 500 mm - Ø 16 mm	10
1316E	Reinforced cane bolt with screwing plate Height 500 mm rod diameter 16 mm adjustable nut	
1316SO	Ditto welding type - Length: 500 mm - Ø 16 mm	10
1316GE	Keeper of bolt, mortising type for 1316 and 1316 SO	
1316GP	Keeper of bolt for 1316 and 1316 SO	
1316B	Bolt with padlock holder, case in cast iron, cane and keeper in steel. Weight: 660 gr. - Ø 16 mm	10

SEALING BRUSH		
1150/105	Sealing brush, packed in individual plastic bags Length = 1.05 m. Total height = 35 mm - Height of the brush = 15 mm	10

PULLEYS		
4090	Swinging pulley Ø ext.: 90 mm - groove Ø: 75 mm for cables of Ø max. 4 mm	2
4145F	Pulley in cast iron, offset, screwing type Ø ext.: 145 mm - groove Ø: 120 mm for cables of max. Ø 6 mm.	
8145F	Pulley in cast iron Ø ext.: 145 mm - groove Ø: 120 mm for cables of max. Ø 6 mm.	



A sealing brush enables an efficient airtightness on the lateral and bottom parts of sliding doors.



BOTTOM GUIDES

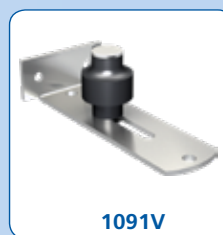
1090	Guide for vertical sealing, with a zytel olive	10
1091	Guide for horizontal sealing with a zytel olive	4
1091V	Adjustable guide, with a zytel olive. Screwing type	4
1092	Adjustable guide for horizontal sealing with 2 zytel olives	10
1092V	Adjustable guide with 2 zytel olives, screwing type	6
1093	Zytel olive Ø 46 mm, Height: 45 mm, for an axle of 16 mm Ø	10
1088	Bottom olive guide, without plate - For U 25 x 17 mm	10
1089	Ditto for U-profile 30 x 30 mm	10
1100	Bottom guide on a sealing plate - For U-profile 30 x 30 mm	10
1102	Bottom guide with olive fixed on a round-ended plate Screwing type - For U-profile 25 x 17 mm	20
1099	Ditto for U-profile 30 x 30 mm	10
1101	Bottom guide with olive, on a reinforced plate Screwing type - For U-profile 30 x 30 mm	10
1059	Bottom guide with olive (with needle roller bearings) on a reinforced plate. Screwing type For U-profile 50 x 60 mm	5
1011	Adjustable shoe-guide in cast iron (21 to 50 mm) for standard doors	10
1014	Adjustable shoe-guide in cast iron (32 to 70 mm) for heavy doors	4
1012	Half shoe-guide in cast iron for standard doors	4
1015	Half shoe-guide in cast iron for heavy doors	1
1012N	Half shoe-guide in nylon, for garage doors	20
1110GN	Nylon guide, screwing type, for U-profile 30 x 30 mm	8



1090



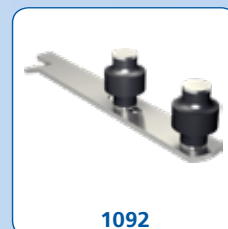
1091



1091V



1093



1092



1092V



1088



1089



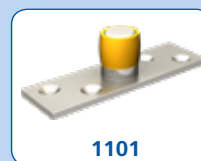
1100



1102



1099



1101



1059



1011 / 1014



1012 / 1015



1012N



1110GN



1052



1052L



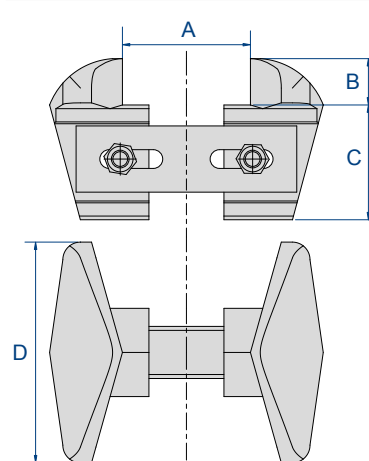
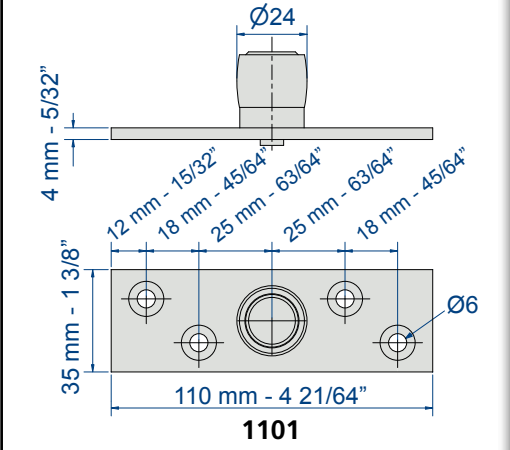
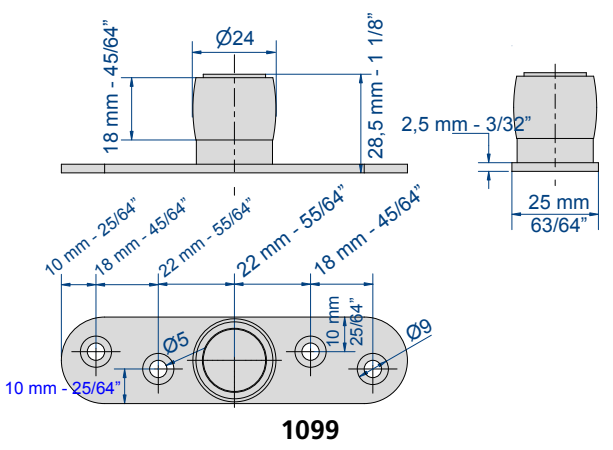
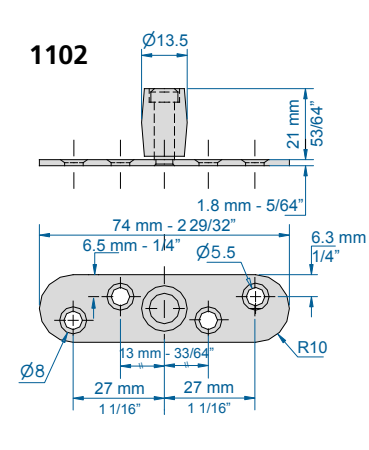
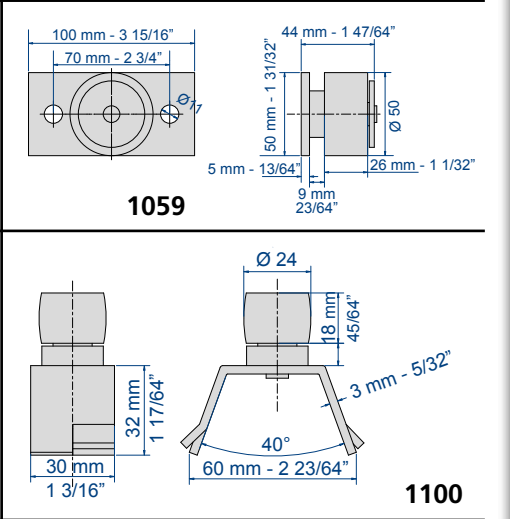
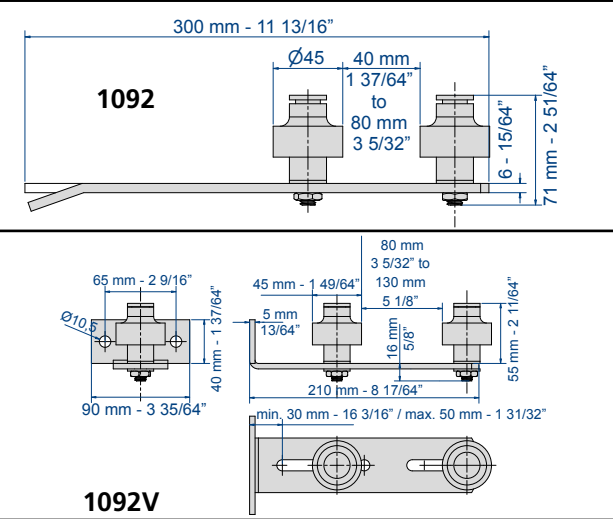
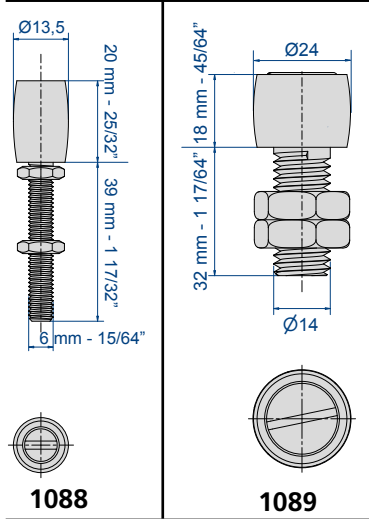
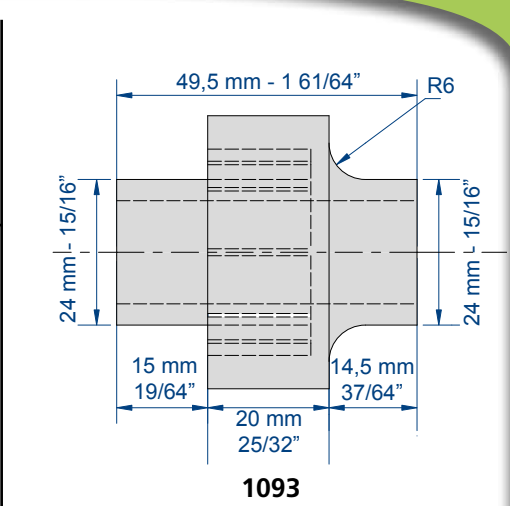
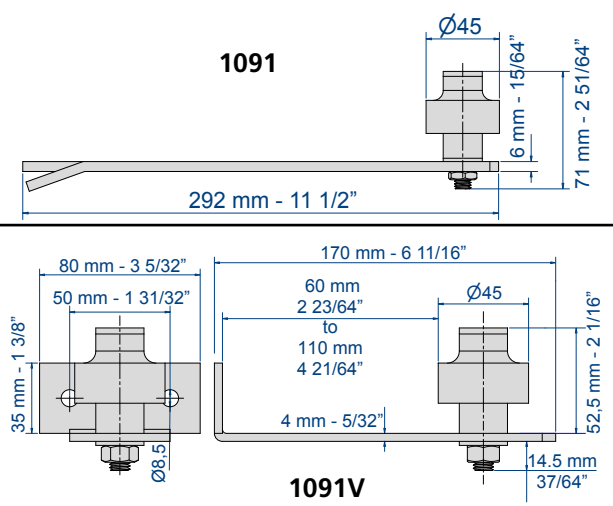
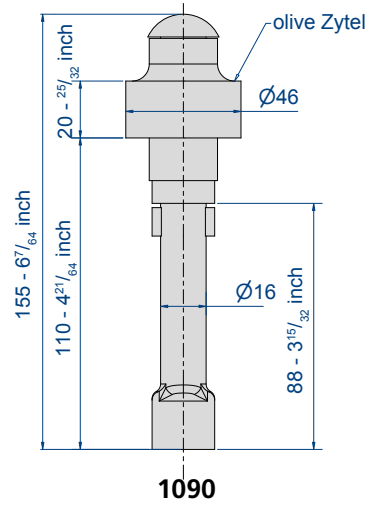
1053



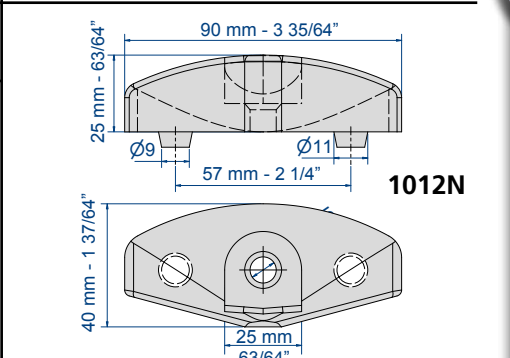
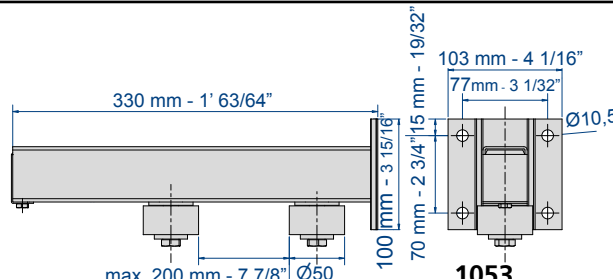
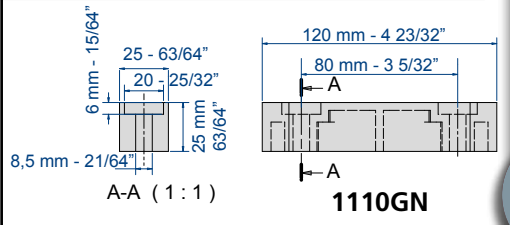
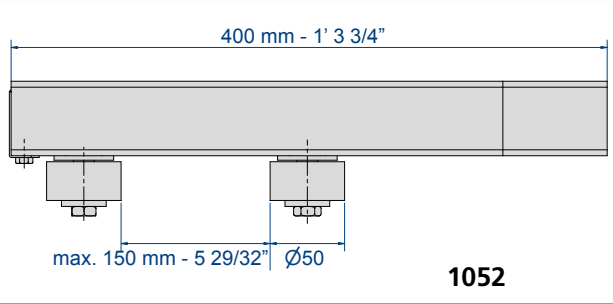
1053L

UPPER GUIDES

1052	Adjustable upper guide with 2 olives mounted on needle roller bearings, for bottom sliding doors - Sealing type Height of the olive = 30 mm	4
1052L	Long adjustable upper guide with 2 olives mounted on needle roller bearings, for bottom sliding doors - Sealing type Height of the olive = 65 mm	1
1053	Adjustable upper guide with 2 olives mounted on needle roller bearings, for bottom sliding doors - Screwing type Height of the olive = 30 mm	10
1053L	Long adjustable upper guide with 2 olives mounted on needle roller bearings, for bottom sliding doors - Screwing type Height of the olive = 65 mm	1



Item Nr	A		B	C	D
	Min	Max			
1011	21	50	20	33	72
1014	32	70	22	54	108



Tracks and accessories: see on p. 56 - 60

2 WHEEL TROLLEYS			
Item Nr.	Description	Capacity/ trolley	For track
0731R	Trolley with steel wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	5 Kg	3530
0751R	Trolley with steel wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	20 Kg	5040
0731	Trolley with self-orientable Nylon wheels mounted on smooth axle	5 Kg	3530
0751	Trolley with self-orientable Nylon wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	20 Kg	5040
0761	Trolley with self-orientable Nylon wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	40 Kg	6255
2731	Trolley with self-orientable steel wheels mounted on ball bearings	5 Kg	3530
2751	Trolley with self-orientable steel wheels mounted on ball bearings	20 Kg	5040
2761A	Trolley with self-orientable steel wheels mounted on ball bearings	40 Kg	6255
2761	Trolley with self-orientable wheels mounted on nylon and glass fiber overmoulded ball bearings	60 Kg	6255



0731R - 0751R



0731



0751 - 0761



2731 - 2751
2761A



2761

4 WHEEL TROLLEYS			
Item Nr	Description	Capacity/ trolley	For track
0732	Trolley with self-orientable Nylon wheels mounted on smooth axle	10 Kg	3530
0752	Trolley with steel wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	40 Kg	5040
0762	Trolley with steel wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	80 Kg	6255
2732	Trolley with self-orientable steel wheels mounted on ball bearings	25 Kg	3530
2752	Trolley with self-orientable steel wheels mounted on ball bearings	60 Kg	5040
2762A	Trolley with self-orientable wheels mounted on nylon and glass fiber overmoulded ball bearings	150 Kg	6255
2762	Trolley with self-orientable wheels mounted on nylon and glass fiber overmoulded ball bearings	125 Kg	6255



0732



0752 - 0762



2732 - 2752 - 2762A



2762

4 WHEEL TROLLEYS for hook or ring			
Item Nr	Description	Capacity/ trolley	For track
0832	Trolley with self-orientable Nylon wheels mounted on smooth axle	10 Kg	3530
0852	Trolley with Nylon wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	40 Kg	5040
0862	Trolley with Nylon wheels mounted on self-lubricating bronze ring and STAINLESS STEEL smooth axle	80 Kg	6255
2832	Trolley with self-orientable steel wheels mounted on ball bearings	25 Kg	3530
2852	Trolley with self-orientable steel wheels mounted on ball bearings	60 Kg	5040
2862A	Trolley with self-orientable wheels mounted on nylon and glass fiber overmoulded ball bearings	150 Kg	6255
2862	Trolley with self-orientable wheels mounted on nylon and glass fiber overmoulded ball bearings	125 Kg	6255



0832



0852 - 0862



2832 - 2852 - 2862A

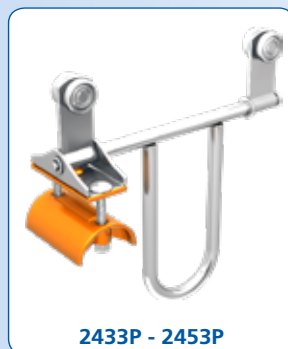


2862

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or ask for our catalog 711 handling systems

FLAT CABLE TROLLEYS

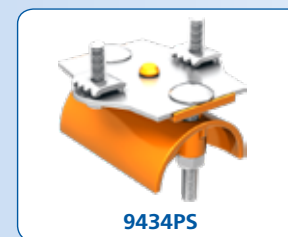
LEADING TROLLEYS*			
Item nr	Description	Capacity/ trolley	For track
2433P	Leading trolley equipped with Nylon wheels mounted on ball bearings - Cable dim.: 45 x 20 max.	25 Kg	3530
2453P	Leading trolley equipped with Nylon wheels mounted on ball bearings - Cable dim.: 70 x 20 max.	50 Kg	5040
TROLLEY WITH OSCILLATING SUPPORT			
2432P	Trolley with oscillating support equipped with Nylon wheels mounted on ball bearings Cable dim.: 45 x 20 max.	25 Kg	3530
2452P	Trolley with oscillating support equipped with Nylon wheels mounted on ball bearings Cable dim.: 45 x 20 max.	50 Kg	5040
FIXED END SUSPENSIONS			
9434PS	End flat cable carriers 70 x 20 maxi	25 Kg	3530
9434PS	End flat cable carriers 70 x 20 maxi	50 Kg	5040



2433P - 2453P



2432P - 2452P



9434PS



ROUND CABLE TROLLEYS

LEADING TROLLEYS*			
Item Nr	Description	Capacity/ trolley	For track
2433R	Leading trolley equipped with Nylon wheels mounted on ball bearings - Cable: Ø 10 to 25	15 Kg	3530
2453R	Leading trolley equipped with Nylon wheels mounted on ball bearings - Cable: Ø 10 to 25	20 Kg	5040
TROLLEY WITH OSCILLATING SUPPORT			
2432R	Trolley with oscillating support equipped with Nylon wheels mounted on ball bearings - Cable: Ø 10 to 25	15 Kg	3530
2452R	Trolley with oscillating support equipped with Nylon wheels mounted on ball bearings - Cable: Ø 10 to 25	20 Kg	5040
FIXED END SUSPENSIONS			
9434R	Fixed end suspension for cable Ø 10 to 25	15 Kg	3530
9434R	Fixed end suspension for cable Ø 10 to 25	20 Kg	5040



2433R - 2453R



2432R - 2452R



9434R



BOX TROLLEY*			
Item Nr	Description	Capacity/ trolley	For track
2436	Trolley equipped with Nylon wheels mounted on ball bearings	25 Kg	3530
2456	Trolley equipped with Nylon wheels mounted on ball bearings	50 Kg	5040



2436 - 2456

*The cable fixing is designed with a patented articulation allowing the cable to oscillate in a pendular movement. This avoids a premature wear of the wheels.

RINGS		
Item Nr	Description	Capacity
8321	Steel ring Ø 10 - interior Ø: 15 mm	25 Kg
8521	Steel ring Ø 12 - interior Ø: 18 mm	60
8821	Steel ring Ø 22 - interior Ø: 14 mm	300

HOOKS		
Item Nr	Description	Capacity
8322	Steel hook Ø 10 - Passage 13 mm	25 Kg
8522	Steel hook Ø 12 - Passage 18 mm	60 Kg
8622	Steel hook Ø 14 - Passage 18 mm with safety catch	150 Kg



8321 - 8521 - 8821



8322* - 8522* - 8622

* without safety catch

CAPACITY/DOOR: up to 400 kg

TRACK: 9010-9030-9040

MOVEMENT: STRAIGHT

Track and accessories completely made of 100 % stainless steel
2 different grades:

▣ A2 (304L): for food industry...

▣ A4 (316L): for sliding doors in a highly aggressive environment:
sea environment, chemical industry, hospitals, nuclear industry, ...

TRACKS & BRACKETS

9010 X		9030 X		9040 X		9050 X	Fig.	Description
STEEL A2	STEEL A4	STEEL A2	STEEL A4	STEEL A2	STEEL A4	STEEL A2		
9010XA2/6	9010XA4/6	9030XA2/6	9030XA4/6	9040XA2/6	9040XA4/6	9050XA2/6	1	Track - Length = 6 m
9011XA2	9011XA4	9031XA2	9031XA4	9041XA2	9041XA4	9051XA2	2	Adjustable bracket
9013XA2	9013XA4	9033XA2	9033XA4	9043XA2	9043XA4	9053XA2	3	Angle plate, screwing type
9018XA2	9018XA4	9038XA2	9038XA4	9048XA2	9048XA4	9058XA2	4	Bracket, welding type
9018HXA2	9018HXA4	9038HXA2	9038HXA4	9048HXA2	9048HXA4	9058HXA2	5	Soffit fixing bracket
9018VXA2	9018VXA4	9038VXA2	9038VXA4	9048VXA2	9048VXA4	9058VXA2	6	Wall fixing bracket
9011MXA2	9011MXA4	9031MXA2	9031MXA4	9041MXA2	9041MXA4	9051MXA2	7	Jointing bracket



Fig. 1



Fig. 2

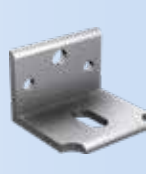


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

FOR DOORS UP TO 60 KG Track 9010 X

Item Nr		Fig.	Description
STEEL A2	STEEL A4		
9118XA2	9118XA4	8	Ornamental stop
99212XA2	99212XA4	10	Hanger with Delrin wheels, smooth axle and M10 fixing screw
0036XA2	0036XA4	13	Plate (M10 drilling)



Fig. 8



Fig. 9

FOR DOORS UP TO 200 KG Track 9030 X

9139XA2	9139XA4	9	Stop
99232XA2	99232XA4	10	Hanger (Delrin wheels, smooth axle, M12 fixing screw) - For doors up to 100 kg
9232XSA2	9232XSA4	11	Hanger with stainless steel wheels mounted on stainless steel ball bearings and M12 fixing screw - For doors up to 200 kg
0056XA2	0056XA4	13	Plate (M12 drilling)



Fig. 10



Fig. 11



Fig. 12

FOR DOORS UP TO 400 KG Track 9040 X

9149XA2	9149XA4	9	Stop
9242XSA2	9242XSA4	11	Hanger with stainless steel wheels mounted on stainless steel ball bearings and M14 fixing screw
0066XA2	0066XA4	14	Plate (M14 drilling)

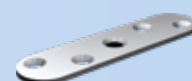


Fig. 13

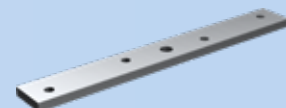


Fig. 14

FOR DOORS UP TO 600 KG Track 9050 X

9159XA2	-	9	Stop
9255XSA2	-	12	Hanger with stainless steel wheels mounted on stainless steel ball bearings and M16 fixing screw
0086XA2	-	14	Plate (M16 drilling)

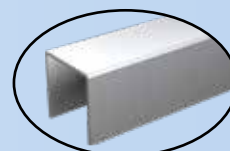


Fig. 15



Fig. 17

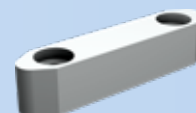


Fig. 16

ACCESSORIES

1110XA2/6	1110XA4/6	15	U-channel 30x30 - Length = 6 m
1110GN		16	Nylon guide for U-channel 30x30
1290X		17	Finger pull handle in A2 stainless steel

Our range for INTERIOR DOORS 113

Sliding systems for:

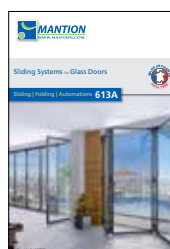
- furniture doors
- folding doors
- partition doors
- pocket doors



Our range for GLASS DOORS 613

Sliding systems for:

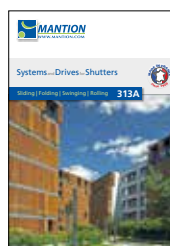
- partition doors
- pocket doors
- folding system for picture windows



Our range for SHUTTERS 313

Systems and motorizations for:

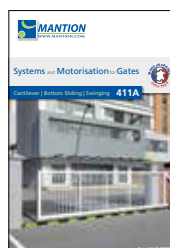
- sliding shutters
- folding shutters
- swinging shutters



Our range for GATES 411

Systems and motorizations for:

- canteliver gates
- bottom sliding gates
- gates mounted on pivots



Our range for HERCULE® 911

Sliding systems for:

- straight sliding doors up to 3000 Kg
- lateral displacement doors
- folding doors with equal panels
- folding doors with half panels
- stainless steel range



0015	Hanger	48
0017	Hanger	48
0021	Plate	34
0026	Plate	34
0031	Apron set	8-34
0036	Plate	8-34
0037	Plate	8-34
0042	Hanger	48
0051	Apron set	10-34
0055	Plate	10
0056	Plate	10-34
0061	Apron set	12-34
0065	Plate	12
0066	Plate	12-34
0081	Apron set	14-34
0085	Plate	14-16
0086	Plate	14-34
0261	Hanger	12
0265	Hanger	12
0281	Hanger	14
0285	Hanger	14
0332	Hanger	22
0352	Hanger	22
0362	Hanger	22
0382	Hanger	22
0532	Hanger	28
0552	Hanger	28
0562	Hanger	28
0582	Hanger	28
0623	Hanger	34-35
0663	Hanger	34
0683	Hanger	34
1002A	Wheel	48
1002F	Wheel	48
1004	Wheel	48
1005	Wheel	48
1011	Shoe guide	22-24-52-60
1012	Half-shoe guide	22-24-52-60
1012N	Half-shoe guide	52-54-60
1014	Shoe guide	54-60
1015	Half-shoe guide	54-60
1052	Guide	60
1052L	Guide	60
1053	Guide	60
1053L	Guide	60
1059	Lower guide	14-16-34-60
1085	Stop	59
1086	Stop	59
1087	Stop	44
1088	Lower guide	34-60
1089	Lower guide	34-60
1090	Guide	60
1091	Guide	48-60
1091V	Guide	48-60
1092	Guide	48-60
1092V	Guide	48-60
1093	Olive	60
1094	Stop	59
1095	Stop	59
1096	Stop	59
1098	Stop	56
1099	Bottom guide	10-34-60
1100	Guide	60
1101	Bottom guide	12-34-60
1102	Bottom guide	8-34-60
1104	Bottom guide	22-28
1104E	Bottom guide	22-28

1104SO	Bottom guide	24-30
1104SOE	Bottom guide	24-30
1105	Bottom guide	22-28
1105E	Bottom guide	22-28
1105SO	Bottom guide	24-30
1105SOE	Bottom guide	24-30
1106	Bottom guide	22-28
1106E	Bottom guide	22-28
1106SO	Bottom guide	24-30
1106SOE	Bottom guide	24-30
1108	Bottom guide	22
1108E	Bottom guide	22
1108SO	Bottom guide	24
1108SOE	Bottom guide	24
1109C	Curve	22-2456
1109M	Bracket	22-24-28-30-34
1109/200	Profil	16
1109/400	Profil	8-22-24-28-30-34-56
1109/500	Profil	8-22-24-28-30-34-56
1109/600	Profil	8-22-24-28-30-34-56
1110GN	Guide	60
1110M	Bracket	22-24-28-34
1110/300	Profil	16
1110/400	Profil	10-12-16-22-24-28-30-34-56
1110/500	Profil	10-12-22-24-28-30-34-56
1110/600	Profil	10-12-22-24-28-30-34-56
1111C	Curve	22-24-56
1112C	Curve	22-24-56
1113C	Curve	22-24-56
1114	Bottom guide	28
1114E	Bottom guide	28
1114SO	Bottom guide	30
1114SOE	Bottom guide	30
1115M	Bracket	28-30-34
1115/600	Profil	14-16-28-30-34-56
1150/105	Dustproof brush	59
1290	Handle	59
1290X	Handle	59
1293	Handle	59
1296	Handle	59
1297	Handle	48-59
1298	Handle	48-59
1301TN	Catch stop	54-59
1302	Catch stop	54-59
1308N	Stop	59
1310N	Stop	59
1311N	Stop	59
1314	Bolt	59
1314E	Bolt	59
1314EF	Kit	59
1314GE	Keeper of bolt	59
1314GP	Keeper of bolt	59
1314SO	Bolt	59
1316	Bolt	59
1316B	Bolt	59
1316E	Bolt	59
1316GE	Keeper of bolt	60
1316GP	Keeper of bolt	59
1316SO	Bolt	59
1504C3	Hinge	34
1508PS	Hinge	44
1508PSE	Hinge	44
1510C	Hinge	22-28-34
1510P	Hinge	44
1510PS	Hinge	44
1510SO	Hinge	24-30-34
1512C	Hinge	22-28-34

1512CR	Hinge	52
1512P	Hinge	52
1512SO	Hinge	24-30-34
1514C	Hinge	22-28-34
1514SO	Hinge	24-30-34
1516C	Hinge	22-28-34
1516P	Hinge	54
1516SO	Hinge	24-30-34
1701	Curve	52
1702	Curve	52
1703	Bracket	52
1704	Bracket	52
1709	Plate	52-54
1710	Sealing bar	52
1711	Sealing bar	52
1716	Track	52
1717	Track	52
1718	Profil	52
1721	Curve	52
1722	Curve	52
1722L	Curve	52
1734	Plate	48
1751	Curve	54
1752	Bracket	54
1753	Bracket	54
1760	Sealing bar	52-54
2091	Stop	59
2094	Stop	59
2095	Stop	59
2098	Stop	56
2232	Hanger	8
2235	Hanger	8
2252	Hanger	10
2255	Hanger	10
2255L	Hanger	10
2262	Hanger	12
2262A	Hanger	12
2265	Hanger	12
2265A	Hanger	12
2265AL	Hanger	12
2265L	Hanger	12
2285	Hanger	14
2285A	Hanger	14
2285AL	Hanger	14
2285L	Hanger	14
2285S	Hanger	14
2285SL	Hanger	14
2288S	Hanger	16
2288SL	Hanger	16
235A	Hanger	8
235D	Hanger	8
251A	Hanger	10
251D	Hanger	10
2521	Bracket	57
2521L	Bracket	57
2521M	Bracket	57
2521MC	Bracket	57
2521ML	Bracket	57
2523	Angle plate	58
2524	Plate	58
2525F/400	Track	56
2525F/500	Track	56
2525F/600	Track	56
255A	Hanger	10
255AL	Hanger	10
255D	Hanger	10
255DL	Hanger	10

265D	Hanger	12
265L	Hanger	12
2692	Stop	59
281S	Hanger	14
285L	Hanger	14
285S	Hanger	14
285SL	Hanger	14
288S	Hanger	16
288SL	Hanger	16
332E	Hanger	22
332SO	Hanger	24-25
332SOE	Hanger	24
352E	Hanger	22
352SO	Hanger	24-25
352SOE	Hanger	24
3530C	Curve	22-24-56
3530CS	Curve	23
3530GV	Sportub set	16
3530/200	Track	16
3530/300	Track	16
3530/400	Track	8-56
3530/500	Track	8-56
3530/600	Track	8-56
3531	Bracket	57
3531L	Bracket	57
3531M	Bracket	57
3531MC	Bracket	57
3531ML	Bracket	57
3532	Plate	58
3533	Angle plate	58
3534	Adjustement plate	58
3535	Plate	58
3536	Plate	58
3537	Bracket	58
3539	Angle steel	22-24
3540	Ornamental cap	58
36W	Plate	8
362E	Hanger	22
362SO	Hanger	24-25
362SOE	Hanger	24
3631	Bracket	57
3631M	Bracket	57
3634	Bracket	57
3634M	Bracket	57
382E	Hanger	22
382SO	Hanger	24-25
382SOE	Hanger	24
4001	Set	38
4002	Door set	40
4023	Stop	59
4050CP	Set of curves	38
4090	Sheave	38-48-63
4145F	Sheave	40-44-60
4272	Slide	40
4357	Slide	40
4450	Hanger	38-40
4451D	Guide	38-44
4451G	Guide	38-44
4541D	Guide	40
4541G	Guide	40
4655	Hanger	40
4656D	Guide	40
4656G	Guide	40
4870	Hanger	40
5040	Track	40
5040C	Curve	22-24-56
5040CS	Curve	23

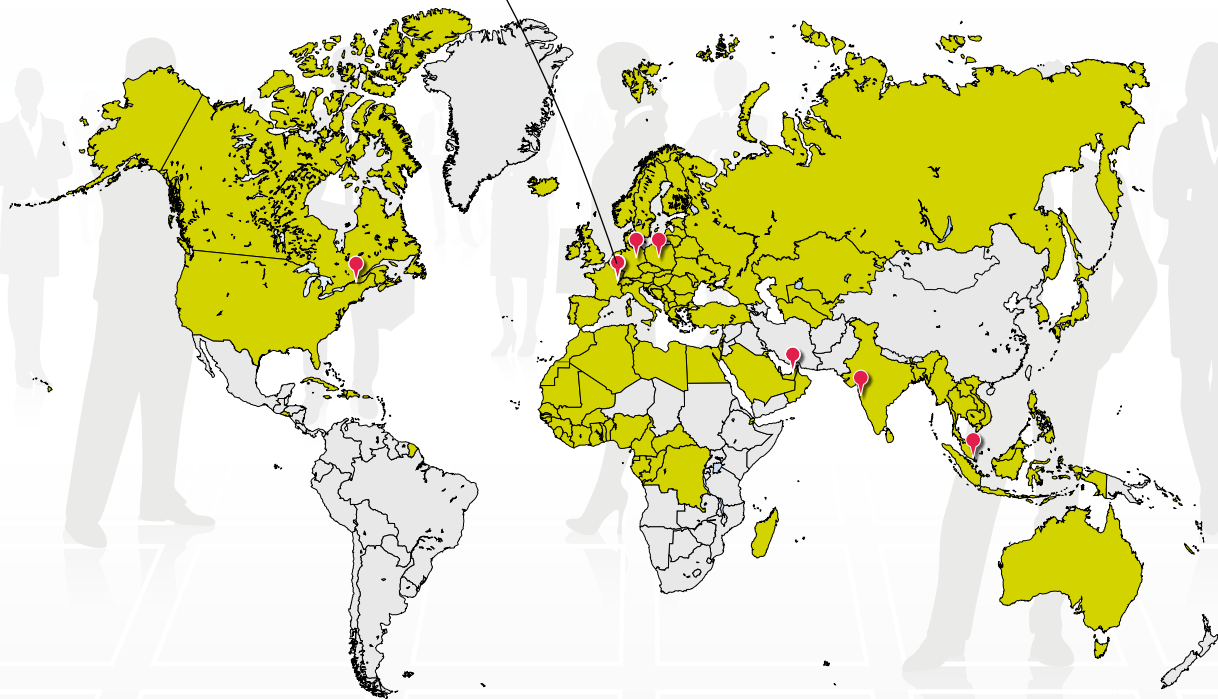
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5040/300	Track	16
5040/400	Track	10-56
5040/500	Track	10-56
5040/600	Track	10-56
5041	Bracket	57
5041L	Bracket	57
5041M	Bracket	57
5041MC	Bracket	57
5041ML	Bracket	57
5042	Plate	58
5043	Angle plate	58
5044	Plate	58
5045	Plate	58
5046	Plate	58
5047	Bracket	58
5049	Angle steel	22-24
5050	Ornamental cap	58
5141	Bracket	57
5141M	Bracket	57
5144	Bracket	57
532E	Hanger	28
532SO	Hanger	30-31
532SOE	Hanger	30-31
552E	Hanger	28
552SO	Hanger	30-31
552SOE	Hanger	30-31
56W	Plate	10
562E	Hanger	28
562SO	Hanger	30-31
562SOE	Hanger	30-31
582E	Hanger	28
582SO	Hanger	30-31
582SOE	Hanger	30-31
6255	Track	40
6255C	Curve	22-24-56
6255CS	Curve	23
6255GV	Sportub set	16
6255/300	Track	16
6255/400	Track	12-16-56
6255/600	Track	12-56
6255/600GE	Track	56
6255GE/600	Track	12
6256	Bracket	57
6256L	Bracket	57
6256M	Bracket	57
6256MC	Bracket	57
6256ML	Bracket	57
6257	Plate	58
6258	Angle plate	58
6259	Plate	58
6260	Plate	58
6261	Bracket	44-58
6262	Bracket	58
6264	Angle steel	22-24
6265	Ornamental cap	58
633A	Hanger	34
633D	Hanger	34
6356	Bracket	57
6356M	Bracket	57
6359	Bracket	57
6359M	Bracket	57
653A	Hanger	34
653D	Hanger	34
7050C	Curve	44
7050CP	Curve	44
7050P/250	Track	38

7050/600	Track	44
7050P/250	Track	44
7051C	Curve	44
7051CP	Curve	44
7053	Wheel	44
7053L	Wheel	44
7054	Bracket	44
7055	Bracket	44
7056	Slide	38-44
7080C	Curve	44
7080CP	Curve	44
7080/600	Track	44
7080P/250	Track	44
7081C	Curve	44
7081CP	Curve	44
7083	Wheel	44
7083L	Wheel	44
7086	Slide	44
7088D	Guide	44
7088G	Guide	44
7100	Chain link	44
7102	Counterweight	38-40-44
7105	Counterweight	38-40-44
7110	Jointing axle	44
7151	Plate	44
7153	Plate	38-44
7153L	Plate	38-44
8145F	Pulley	38-40-58
855	Plate	14-16
8570	Track	40
8570C	Curve	22-24-56
8570CS	Curve	23
8570/400	Track	14-16-56
8570/600	Track	14-16-56
8571	Bracket	57
8571L	Bracket	57
8572	Plate	58
8573	Angle plate	58
8573S	Angle plate	58
8574	Plate	58
8575	Plate	58
8576	Plate	58
8576S	Plate	58
8577	Bracket	58
8578M	Bracket	57
8578MC	Bracket	57
8578ML	Jointing bracket	57
8579	Angle steel	22-24
8580	Ornamental cap	58
86S	Plate	14
86W	Plate	14
BOB100	Hanger	54
BOB100E	Hanger	54
BOB50	Hanger	52
BOB50E	Hanger	52
ROC1A	Hanger	48
ROC1F	Hanger	48
ROC2A	Hanger	48
ROC2F	Hanger	48
SPORT250A	Hanger	48
SPORT250F	Hanger	48
SPORT400	Monture	48
SPORT700	Monture	48



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