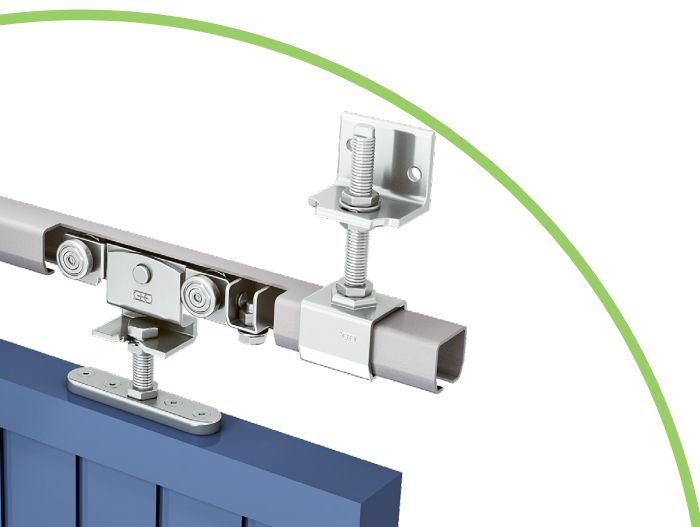


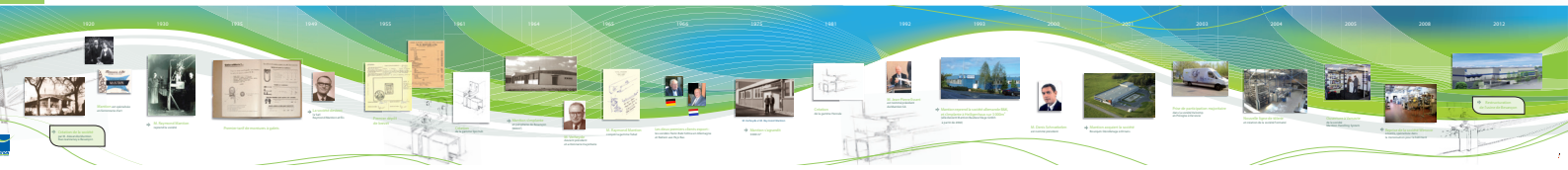


MANTION

SLIDING SYSTEMS



MANTION designs and manufactures sliding systems since 1920



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:

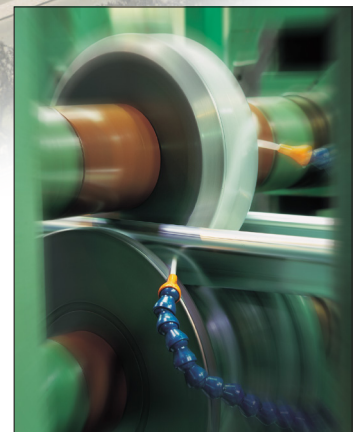
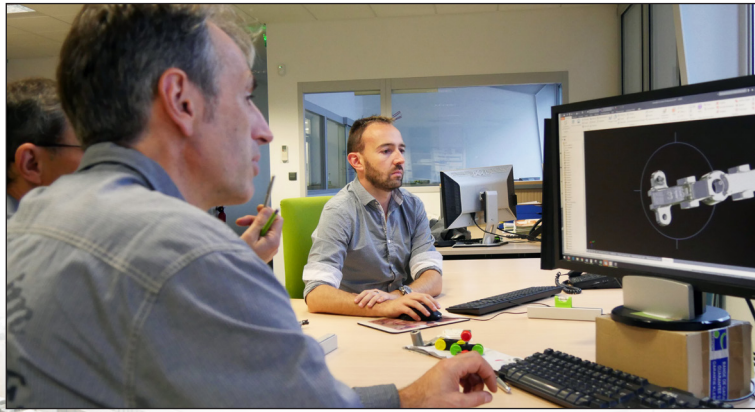
Salesmen who listen to your needs and advise you.
A strong technical aid: an engineering department and technical advisers at your disposal.
The study and the development of special products upon request.
Very short delivery time.
Very high quality products.

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:





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.

**MOVING FURTHER
TOGETHER**

DESIGNER AND MANUFACTURER OF SLIDING SYSTEMS SINCE 1920

www.mantion.com



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):

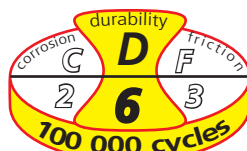
- Corrosion resistance (resistance to salt spray / test EN1677)
- Initial friction (initial max. force required to open and close the panels)
- Durability (number of cycles)

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 100 kg: Height: 2 m. & stroke: 0.80 m. or Height: 2 m. & stroke: 2 m *
- Door over 100 kg: Height: 2 m & stroke: 2 m

* all our tests for doors weighing less than 120 kg were carried out on a portal frame:
Height 2 m. & stroke 0.80 m.



** This guarantee applies within the limit of a number of cycles specific to each range and the conditions of installation and use available on: WWW.MANTION.COM

CORROSION RESISTANCE [C]

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

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

INITIAL FRICTION [F]



measured 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).

MANTION and its test laboratory:

Mantion, which always focuses on the quality of its products, has one of the biggest test laboratories for sliding systems in Europe. 5 test stands enable Mantion to assay the endurance of all its sliding systems in order to comply with the requirements of the **ISO 9001** standard.



Certificate FR15/8184

The management system of

MANTION SAS

7 rue Gay Lussac
25000 Besançon
France

has been assessed and certified as meeting the requirements of

ISO 14001:2015

For the following activities

Concept, production and sales of armatures for sliding doors and air transportation systems.

This certificate is valid from 27 August 2018 until 26 August 2021 and remains valid subject to satisfactory surveillance audits. Issue 2. First Certification date August 2009

Authorised by

SGS ICS
29, avenue Aristide Briand 94111 Arcueil Cedex France
t +33 (0)1 41 24 87 75 f +33 (0)1 73 01 71 29 www.sgs.com

Page 1 of 1

Certificate FR15/81841904

The management system of

MANTION SAS

7 rue Gay Lussac
25000 Besançon
France

has been assessed and certified as meeting the requirements of

ISO 14001:2015

For the following activities

Concept, production and sales of armatures for sliding doors and air transportation systems.

This certificate is valid from 27 August 2018 until 26 August 2021 and remains valid subject to satisfactory surveillance audits. Issue 2. First Certification date August 2009

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SGS ICS
29, avenue Aristide Briand 94111 Arcueil Cedex France
t +33 (0)1 41 24 87 75 f +33 (0)1 73 01 71 29 www.sgs.com

Page 1 of 1

MANTION is committed to for the environment:

Convinced of the need to act for sustainable development and conscious of the need to have the means to act in this field in order to constantly improve its management system, Mantion is **ISO 14001** certified. Mantion is concretely committed to sustainable development and participates in the effort to preserve the planet's reasoned natural balance.

Guarantee certificate

MANTION S.A.S

Guarantees a performance* of

12 years









on sliding systems for outdoor applications
on the following ranges:

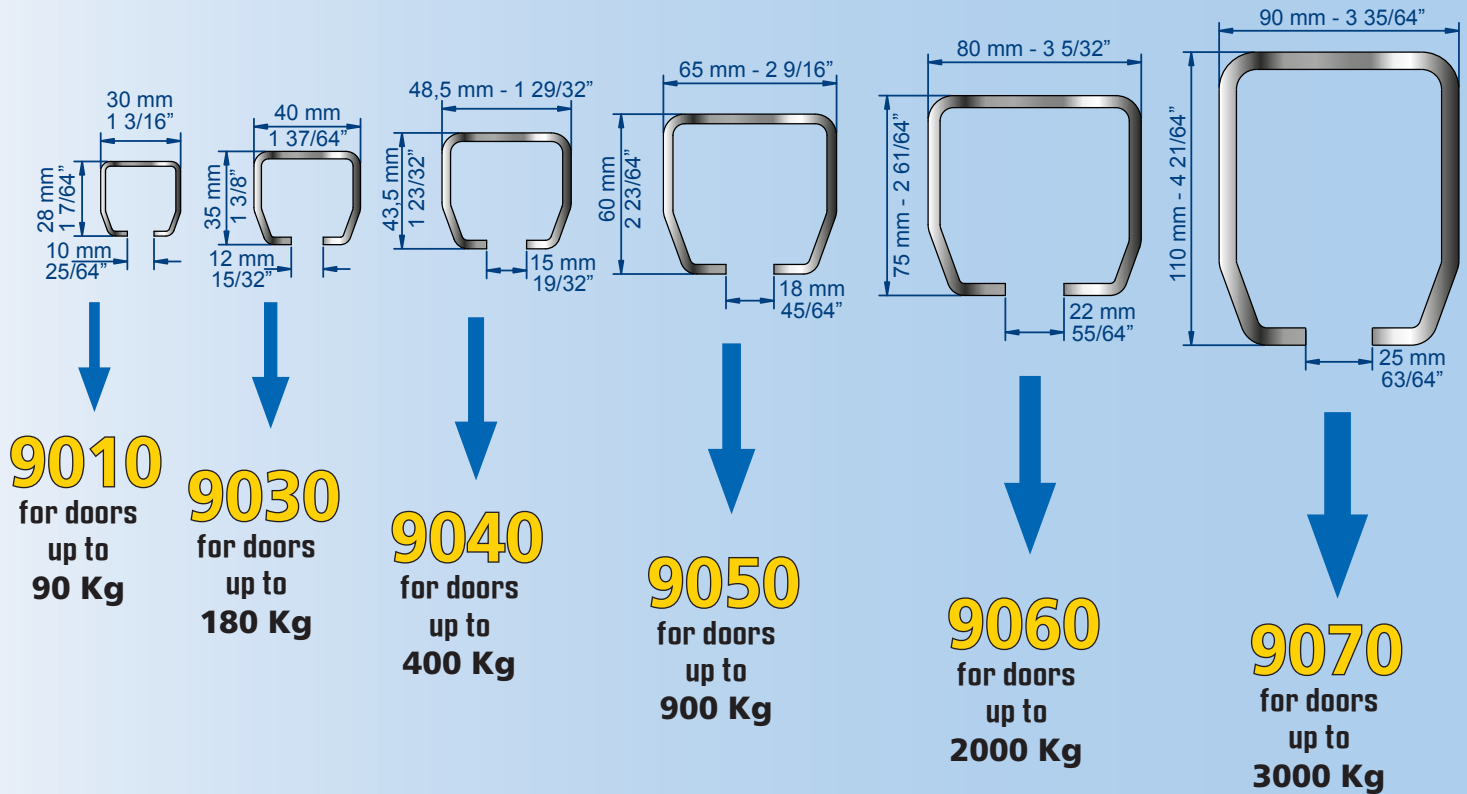
SPORTUB® - HERCULE® - WIN-SLIDE



Denis SCHNOEBELEN
MANTION S.A.S
Chief Executive Officer

* This guarantee only applies to a number of cycles defined by our product range, installation instructions and conditions that can be found on our web site www.mantion.com

	9200 Fittings for STRAIGHT sliding doors	9
	Doors up to 90 kg maxi.	10-11
	Doors up to 180 kg maxi.	12-13
	Doors up to 400 kg maxi.	14-15
	Doors up to 900 kg maxi.	16-17
	Doors up to 2000 kg maxi.	18-19
	Doors up to 3000 kg maxi.	20-21
	STAINLESS STEEL range	22-23
	9300 Fittings for LATERAL displacement door	24
	With screwing type hinges	26-27
	With welding type hinges	28-29
	9500 Fittings for SLIDING DOORS with equal panels	30
	With screwing type hinges	32-33
	With welding type hinges	34-35
	9600 Fittings for CONCERTINA FOLDING doors with a half panel	42
	SPECIAL ITEMS	40
	TRACKS & ACCESSORIES	44
	Tracks & profiles	44
	Jointing and fixing brackets	46
	Fixing plates	47
	Accessories	48-49
	Guides	50-51
	SUGGESTIONS & RECOMMENDATIONS	52
	INTERNATIONAL REFERENCES	54
	MANTION IT'S ALSO ...	55

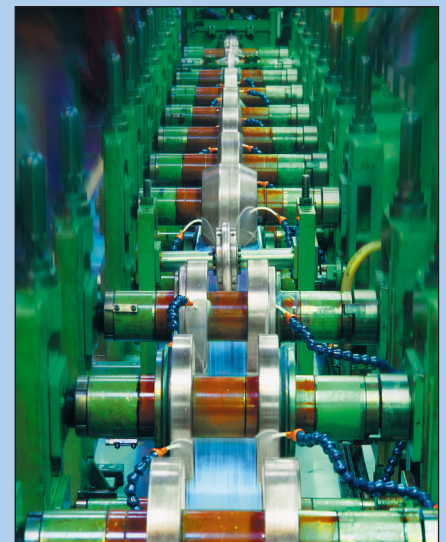


In order to guaranty high quality systems, Manton manufactures its own profiles:

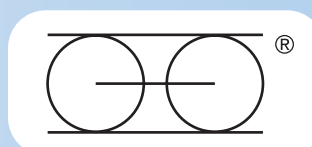
- 3 bending and roll forming machines enable Manton to roll any metal thickness up to 6 mm at a short time notice
- This also enables Manton to produce special lengths on request and within a short delivery time.

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

- All the Manton 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 9030 / 9040 / 9050 / 9060 and 9070 tracks are made of steel of High Limit of Elasticity. This ensures better resistance and durability.



Request the MANTION logo: guaranty of quality



Sliding systems for STRAIGHT SLIDING doors

9200 series



<i>Doors up to 90 kg</i>	<i>10-11</i>
<i>Doors up to 180 kg</i>	<i>12-13</i>
<i>Doors up to 400 kg</i>	<i>14-15</i>
<i>Doors up to 900 kg</i>	<i>16-17</i>
<i>Doors up to 2000 kg</i>	<i>18-19</i>
<i>Doors up to 3000 kg</i>	<i>20-21</i>
<i>Stainless steel range</i>	<i>22-23</i>

CAPACITY/DOOR: 90 kg max.

TRACK: 9010

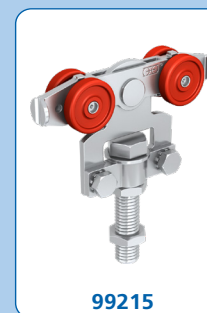
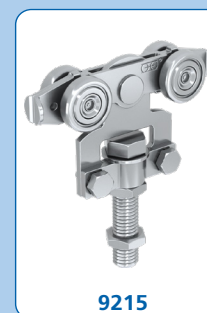
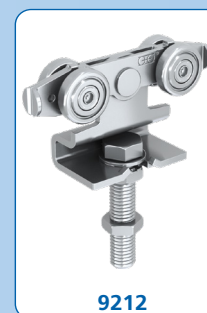
MOTION: STRAIGHT

- **High stability:** all hangers are designed to be in permanent contact with the track.
- **Electrolytic protection** of all hangers
- Hangers can be fixed on the side or on the top

TRACKS		
Item Nr	Description	
9010/600	Galvanised track 28 x 30 mm, 6 m long.	4
9010N/600	Plain track (untreated) 28 x 30 mm, 6 m long.	4

capacity per door

HANGERS & PLATES			
Item Nr	Description	screw Ø	
9211	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M10	2
9211W	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M10	2
99212	60 kg Hanger with swanneck and 4 Delrin wheels mounted on smooth axle.	Ø M10	2
99215	Hanger with removable collar and 4 Delrin wheels mounted on smooth axle.	Ø M10	2
9216	Welding type hanger, with 4 steel wheels mounted on balls.		2
9212	80 kg Hanger with swanneck and 4 steel wheels mounted on balls	Ø M10	2
9215	Hanger with removable collar and 4 steel wheels mounted on balls	Ø M10	2
9214	90 kg Hanger with swanneck and 4 steel wheels mounted on balls	Ø M10	2
0036	Top fixing screwing plate	Ø M10	20
0036W	"U" plate for top fixing	Ø M10	
0037	Angle plate for side fixing	Ø M10	10
0031	Adjustable apron set for panels of 25 to 35 mm thickness - Capacity: 40 Kg	Ø M10	



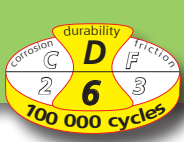
DID YOU KNOW ?

For floor guiding: see on page 50

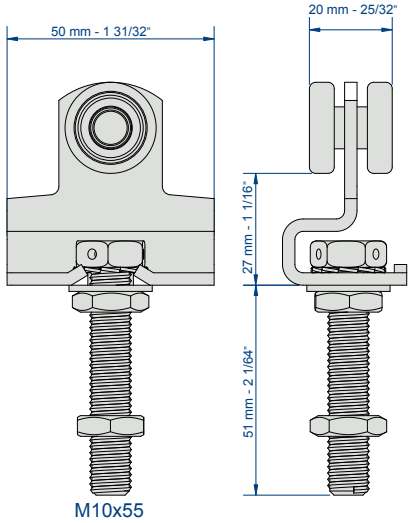


GALVANIZING PROPERTIES:

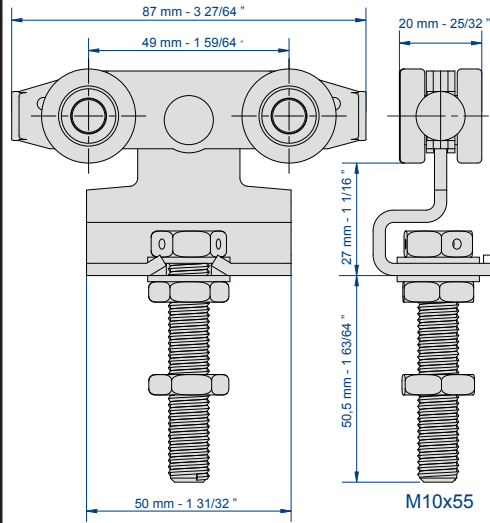
Zinc has the property of regenerating itself by surface recovering if it is altered, e.g: scraped or scratched. Thus, a track, after being scratched or cut recovers its protection entirely through galvanization. The MANTION treatment: Sendzimir process allows recovering of up to 2 mm recovering.



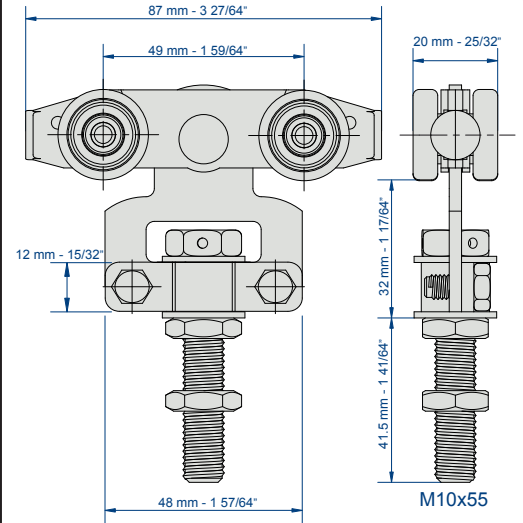
9210 series



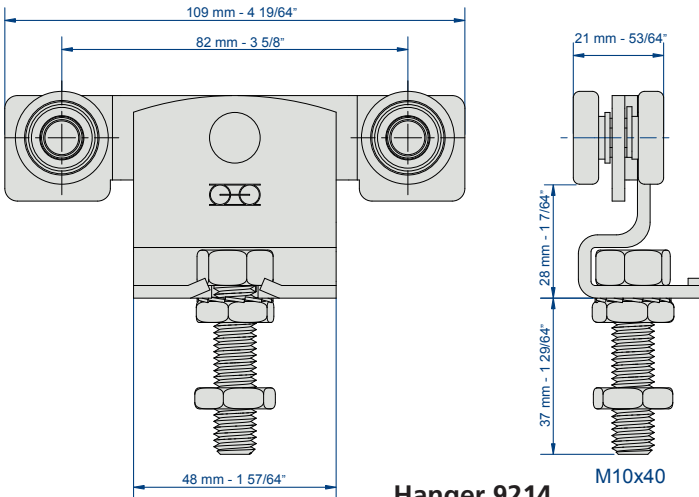
Hanger 9211



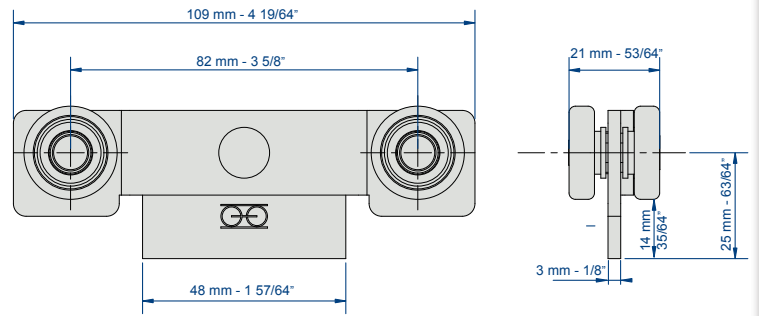
Hangers 9212 - 99212



Hangers 9215-99215



Hanger 9214



Hanger 9216

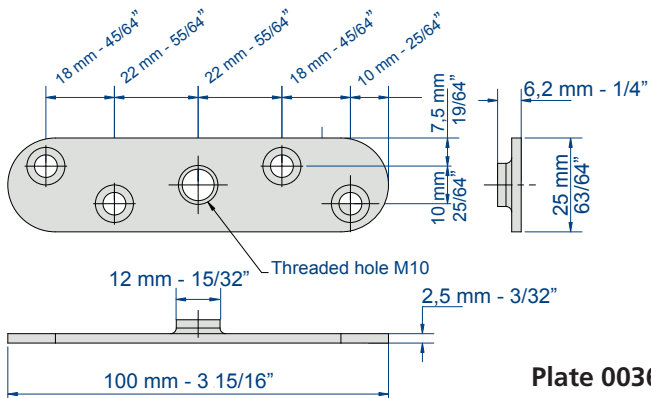


Plate 0036

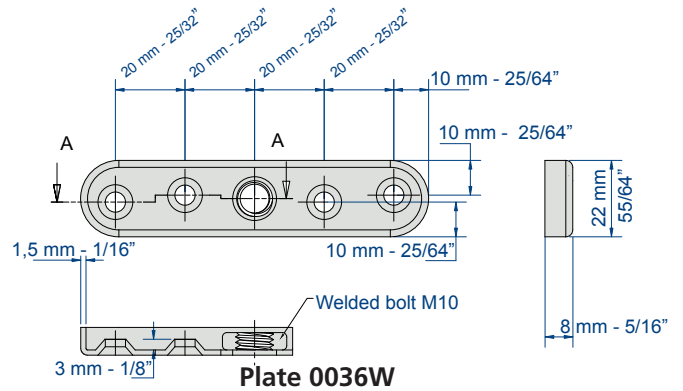


Plate 0036W

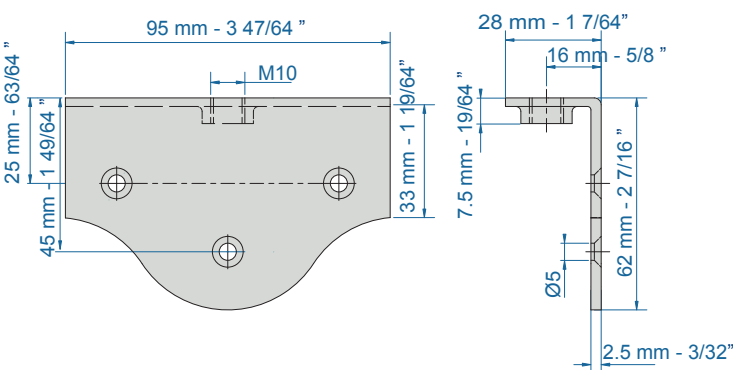
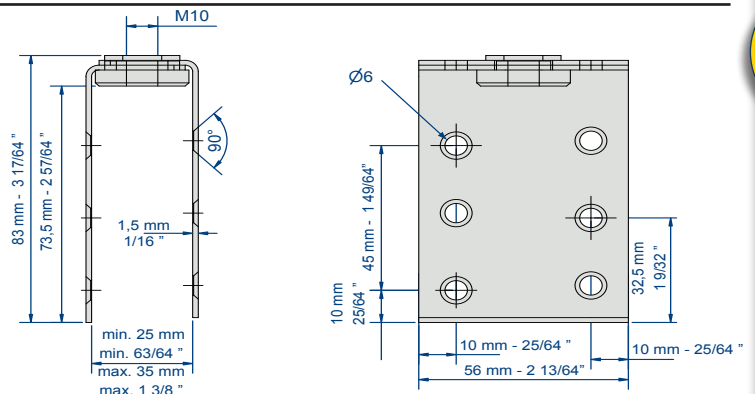


Plate 0037



Apron set 0031

CAPACITY/DOOR: 180 kg max.

TRACK: 9030

MOTION: STRAIGHT

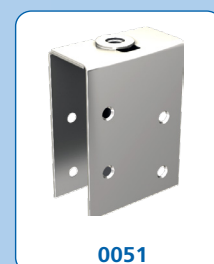
- **High stability:** all hangers are designed to be in permanent contact with the track.
- **Electrolytic protection** of all hangers
- **For special applications:** hangers with a screw of 70 mm longer than the standard version

TRACKS		
Item Nr	Description	
9030/600	Galvanised track 35 x 40 mm, 6 m long	
9030N/600	Plain track (untreated) 35 x 40 mm, 6 m long.	



capacity per door

HANGERS AND PLATES				
Item Nr	Description	screw Ø		
9231	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M12	2	140 kg
9231L	Ditto with long fixing bolt (140 mm)	Ø M12	2	
9231W	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M12	2	180 kg
9236	Welding type hanger, with 4 steel wheels mounted on balls.		2	
9232	Hanger with swanneck and 4 steel wheels mounted on balls	Ø M12	2	
9232L	Ditto with long fixing bolt (140 mm)	Ø M12	2	
9235	Hanger with removable collar and 4 steel wheels mounted on balls.	Ø M12	2	
9235L	Ditto with long fixing bolt (140 mm)	Ø M12	2	
9234	Hanger with swanneck and 4 steel wheels mounted on balls	Ø M12	2	
0055	Top fixing welding plate	Ø 13	10	
0056	Top fixing screwing plate	Ø M12	10	
0056W	"U" plate for top fixing	Ø M12	10	
0051	Adjustable apron set for panels of 40 to 50 mm thickness - Capacity: 90 Kg	Ø M12	16	



DID YOU KNOW ?



DIP-GALVANIZING:

Mention tracks are dip-galvanized (Sendzimir). Apart for the reinforced density of the galvanizing, this technique is the only way to uniformly protect all parts of the track (including the interior part).

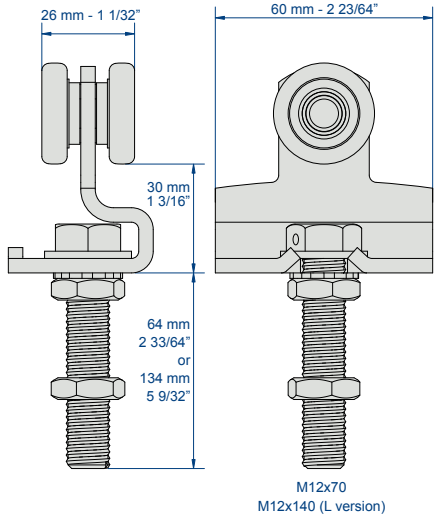
For floor guiding: see on page 50



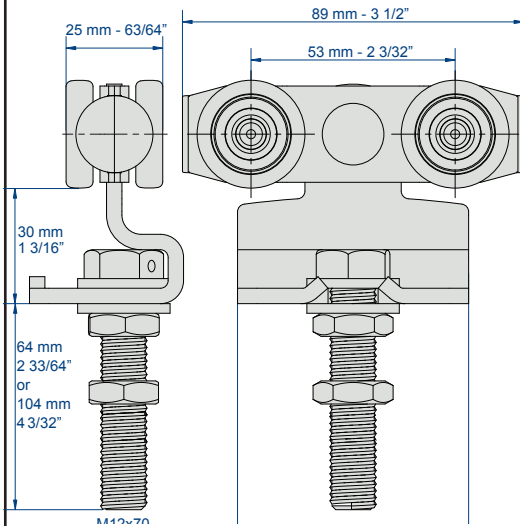
**140
KG**

**180
KG**

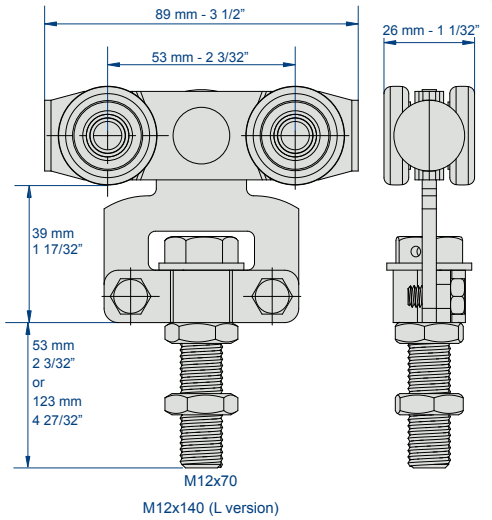
9230 series



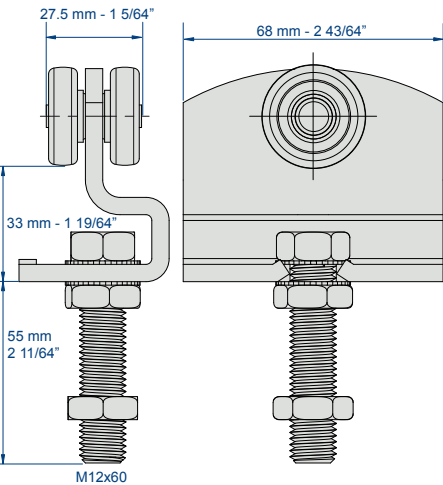
Hangers 9231 - 9231L



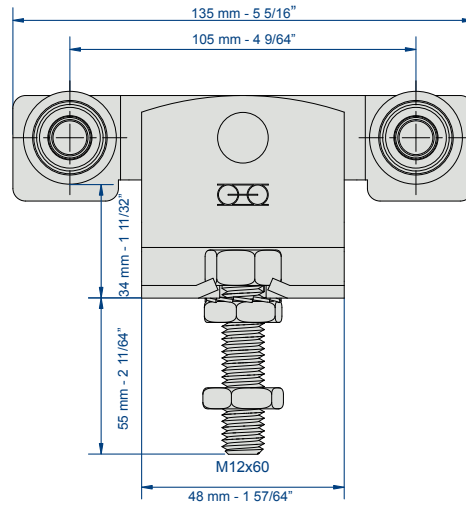
Hangers 9232 - 9232L



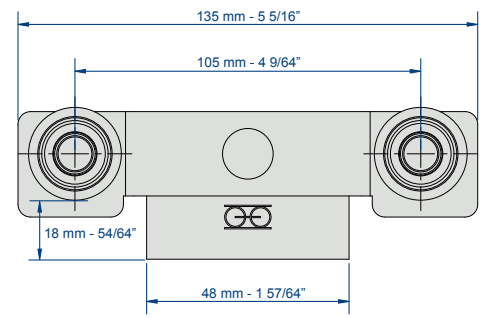
Hangers 9235 - 9235L



Hanger 9231W



Hanger 9234



Hanger 9236

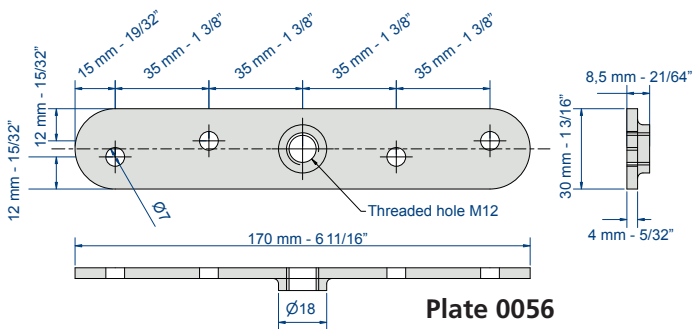


Plate 0056

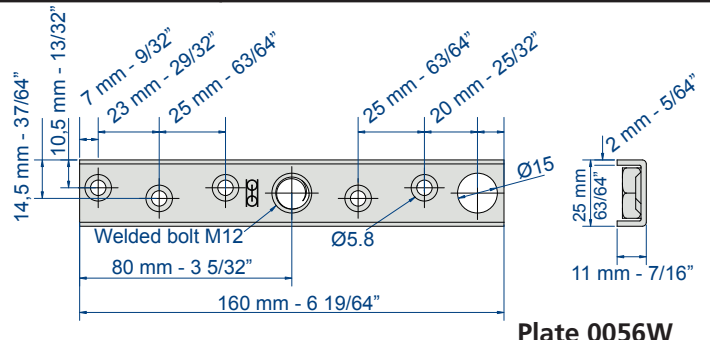


Plate 0056W

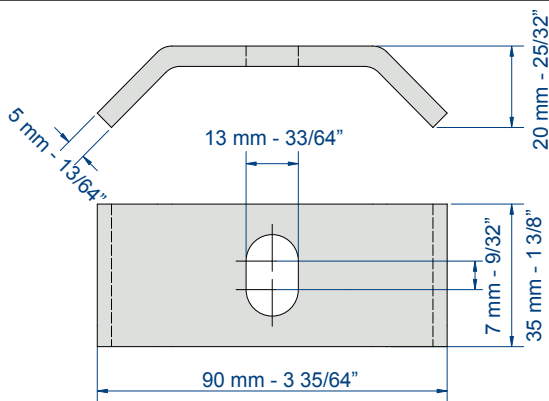
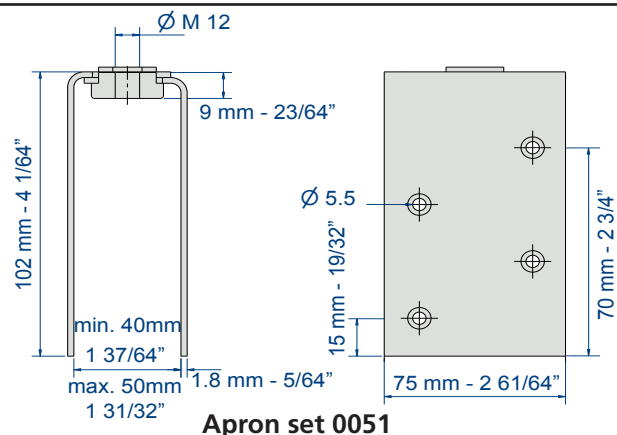


Plate 0055



Apron set 0051

CAPACITY/DOOR: 400 kg max.

TRACK: 9040

MOTION: STRAIGHT

- Electrolytic protection of all hangers
- For fire doors: Hangers 9242S and 9242SL completely made of steel and equipped with ball bearings
- Hangers designed for automatic operated doors: 9242SE
- For special applications: « L version » hangers with a 70 mm longer screw

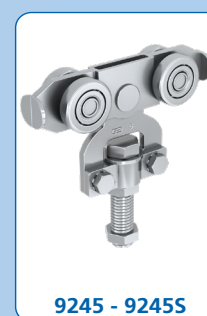
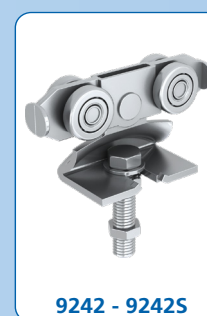
TRACKS		
Item Nr	Description	
9040/600	Galvanised track 43.5 x 48.5 mm, 6 m long	4
9040N/600	Plain track (untreated) 43.5 x 48 mm, 6 m long.	4



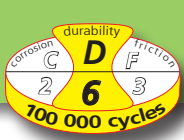
capacity per door

In case of an automatic operations use, please divide the capacity by 2

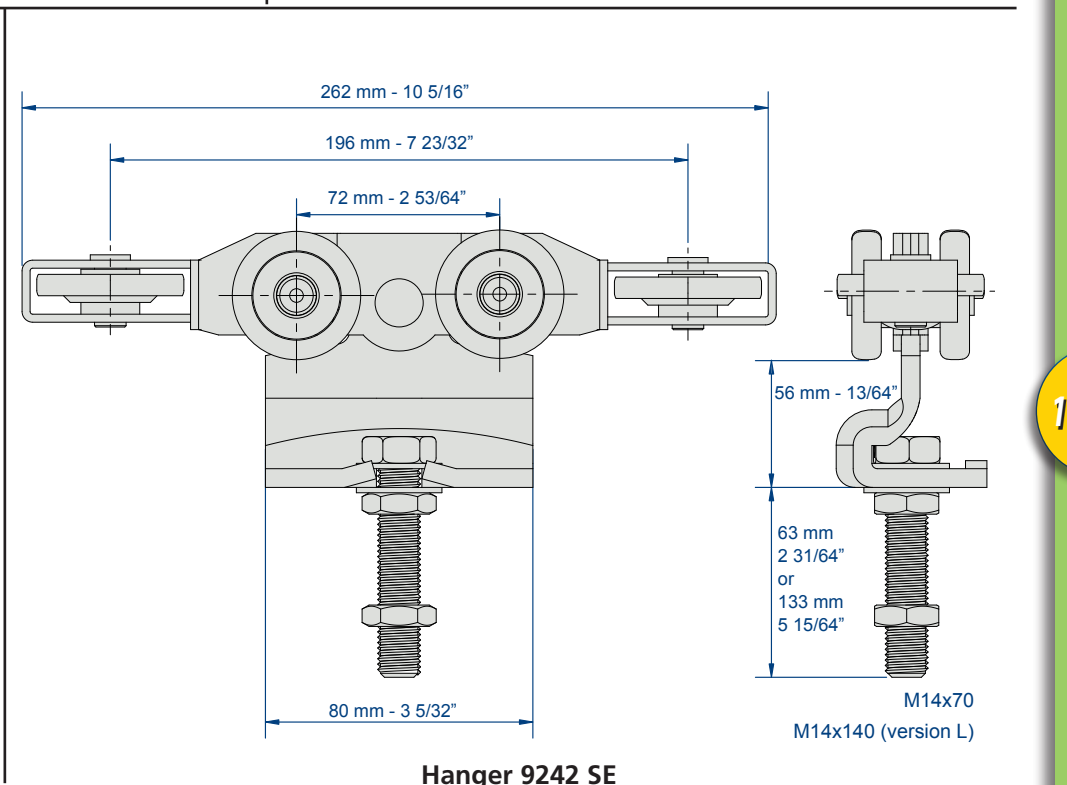
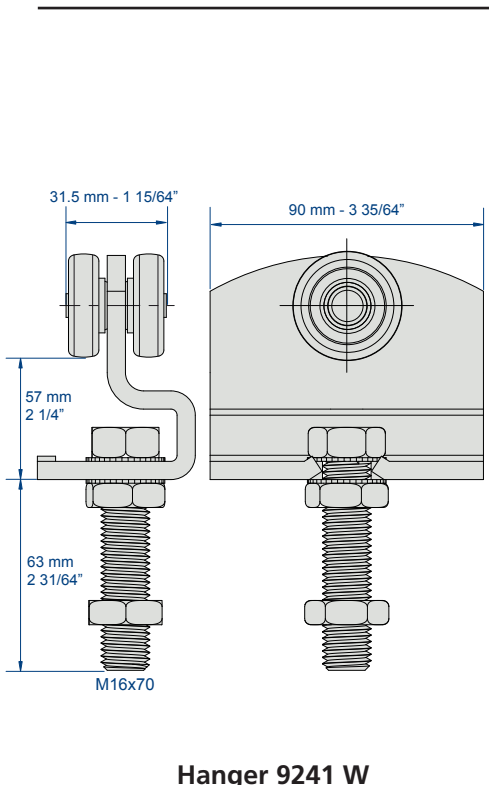
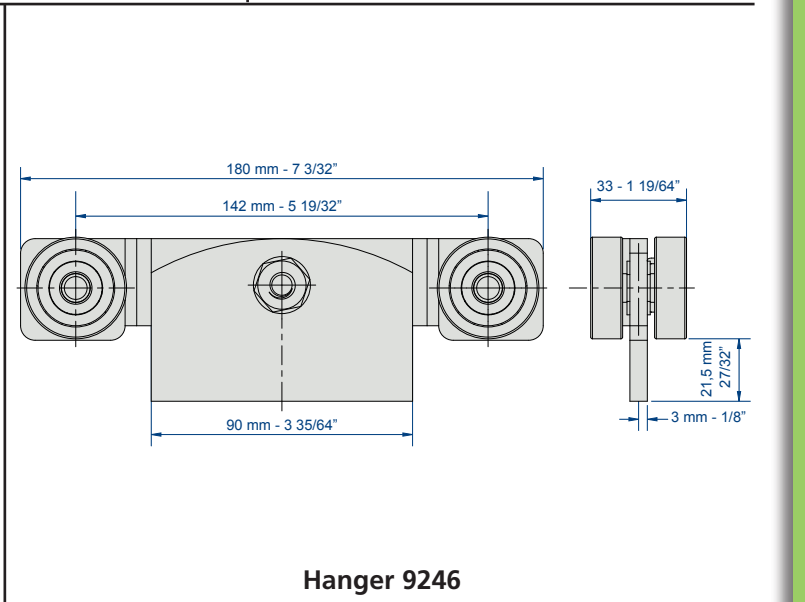
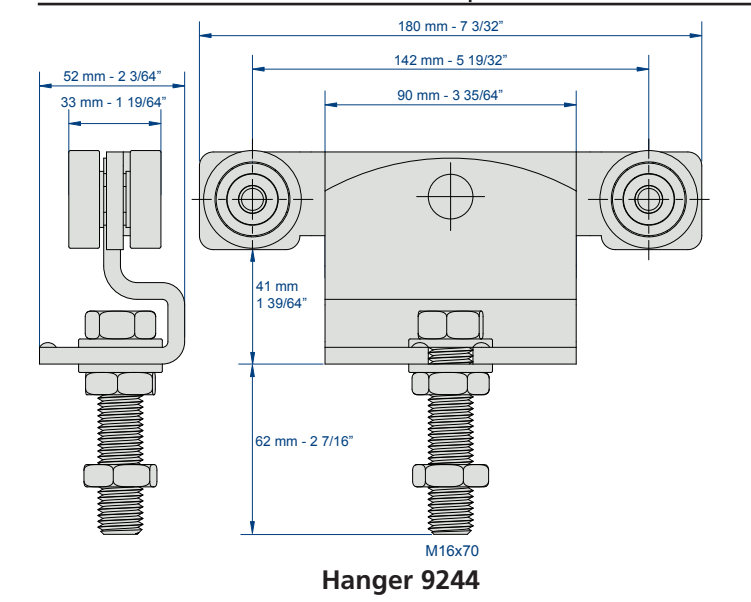
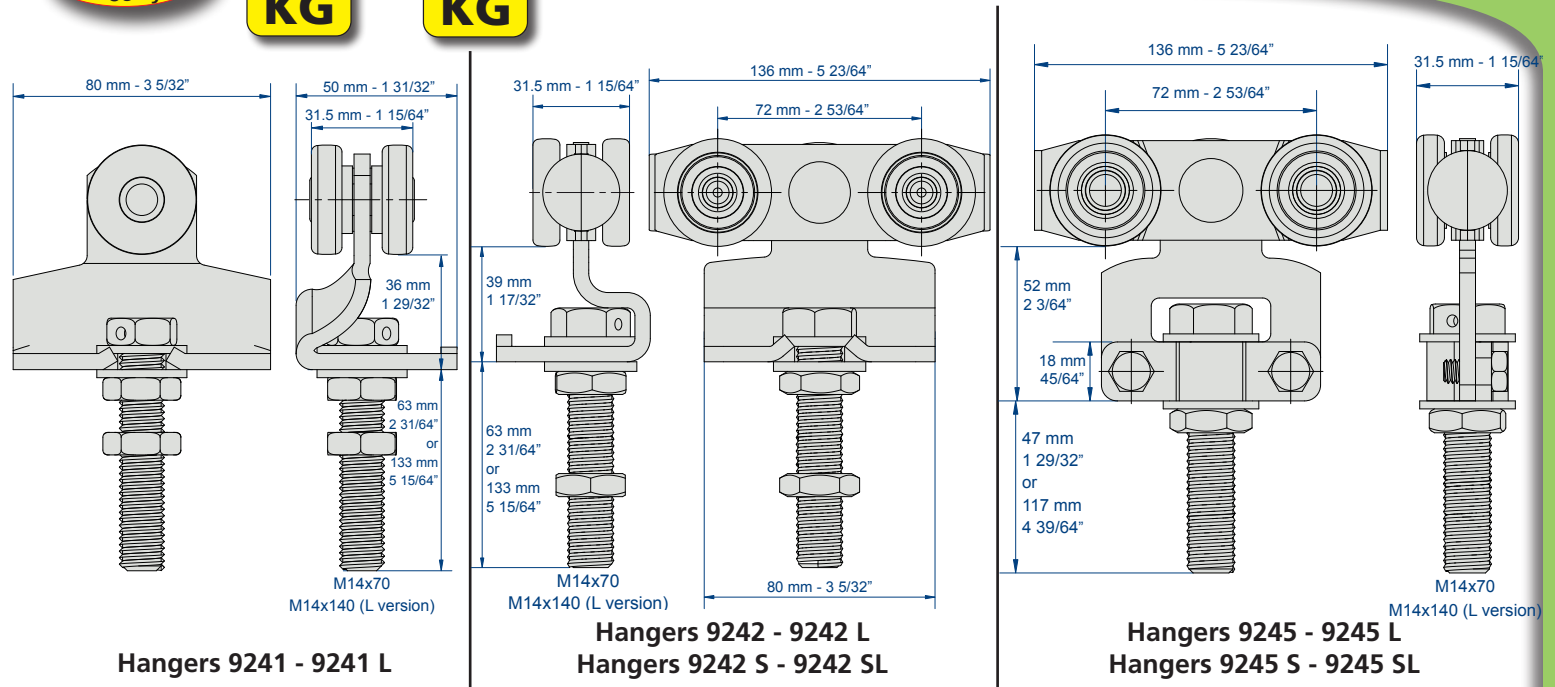
HANGERS & PLATES			
Item Nr	Description	screw Ø	
9241	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M14	2
9241L	Ditto with long fixing bolt (140 mm)	Ø M14	2
9241W	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M16	2
9246	Welding type hanger, with 4 steel wheels mounted on ball bearings.		2
9242	Hanger with swanneck and 4 steel wheels mounted on balls	Ø M14	2
9242L	Ditto with long fixing bolt (140 mm)	Ø M14	2
9242S	Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M14	2
9242SL	Ditto with long fixing bolt (140 mm)	Ø M14	2
9244	Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M16	2
9245	Hanger with removable collar with 4 steel wheels mounted on balls.	Ø M14	2
9245L	Ditto with long fixing bolt (140 mm)	Ø M14	2
9245S	Hanger with removable collar, with 4 steel wheels mounted on ball bearings	Ø M14	2
9245SL	Ditto with long fixing bolt (140 mm)	Ø M14	2
9242SE	Hanger for automatic doors, idem 9242 S with a guiding wheel at each end.	Ø M14	2
9242SEL	Ditto with long fixing bolt (140 mm)	Ø M14	2
0065	Top fixing welding plate	Ø 15	10
0066	Top fixing screwing plate	Ø M14	
0086	Reinforced top fixing screwing plate	Ø M16	
0086W	Reinforced U-plate, top fixing	Ø M16	2
0061	Adjustable apron set for panels of 50 to 65 mm thickness Capacity: 200 Kg	Ø M14	24



For floor guiding: see on page 50



9240 series



CAPACITY/DOOR: 900 kg max.

TRACK: 9050

MOTION: STRAIGHT

- Electrolytic protection of all hangers
- For fire doors: Hangers 9252S and 9252SL completely made of steel and equipped with ball bearings
- Hangers designed for automatic operated doors: 9252SE
- For special applications: « L version » hangers with a 70 mm longer screw

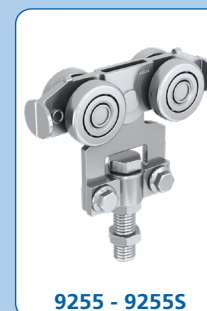
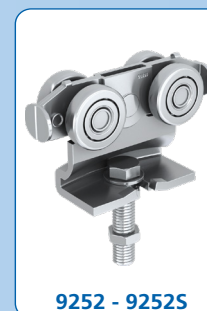
TRACKS		
Item Nr	Description	
9050/600	Galvanised track 60 x 65 mm. 6 m long	4
9050N/600	Plain track (untreated) 60 x 65 mm. 6 m long.	4



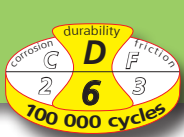
capacity per door

In case of an automatic operations use, please divide the capacity by 2

HANGERS & PLATES				
Item Nr	Description	screw Ø		
9251	400 kg Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M16	2	
9251L		Ø M16	2	
9251W	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M20	2	
9256S	Welding type hanger, with 4 steel wheels mounted on ball bearings.		2	
9252	500 kg Hanger with swanneck and 4 steel wheels mounted on balls	Ø M16	2	
9252L		Ø M16	2	
9252S	750 kg Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M16	2	
9252SL		Ø M16	2	
9254S	600 kg Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M20	2	
9255	500 kg Hanger with removable collar, with 4 steel wheels mounted on ball bearings	Ø M16	2	
9255L		Ø M16	2	
9255S	750 kg Hanger with removable collar, with 4 steel wheels mounted on ball bearings	Ø M16	2	
9255SL		Ø M16	2	
9252SE	350 kg Hanger for automatic doors, idem 9252S equipped with a guiding wheel at each end	Ø M16	2	
9252SEL		Ø M16	2	
9258S	900 Kg Top fixing hangers with 8 wheels mounted on balls	Ø M20	2	
9258SL		Ø M20	2	
0085	Plate, welding type for top fixing	Ø 17	10	
0085S	Reinforced plate, welding type for top fixing	Ø 21	10	
0086	Plate, screwing type for top fixing	Ø M16		
0086S	Reinforced plate, screwing type for top fixing	Ø M20		
0086SW	Reinforced "U" plate, top fixing	Ø M20		
0081	Adjustable apron set for panels of 50 to 75 mm thickness Capacity: 400 Kg	Ø M16	24	

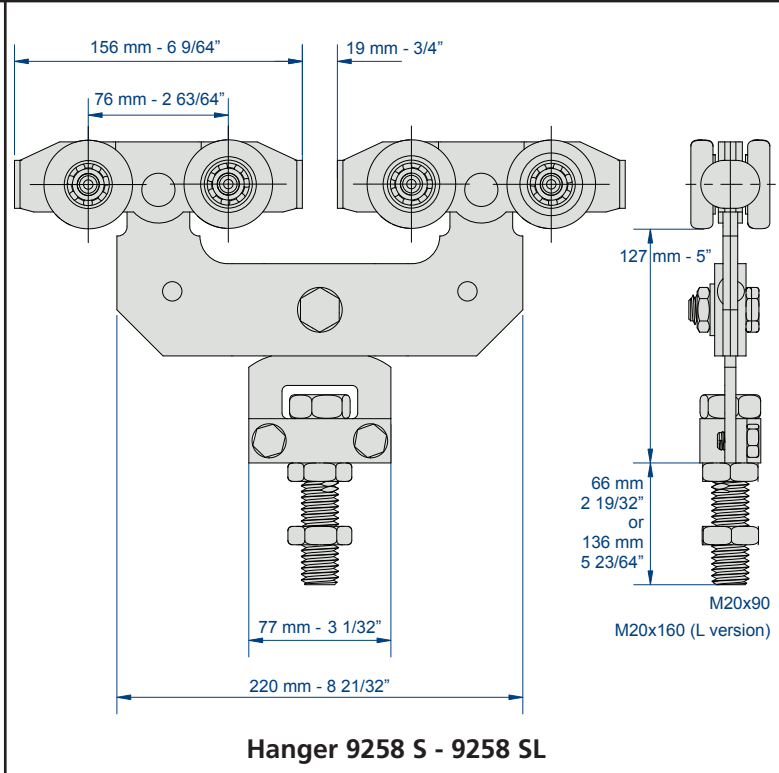
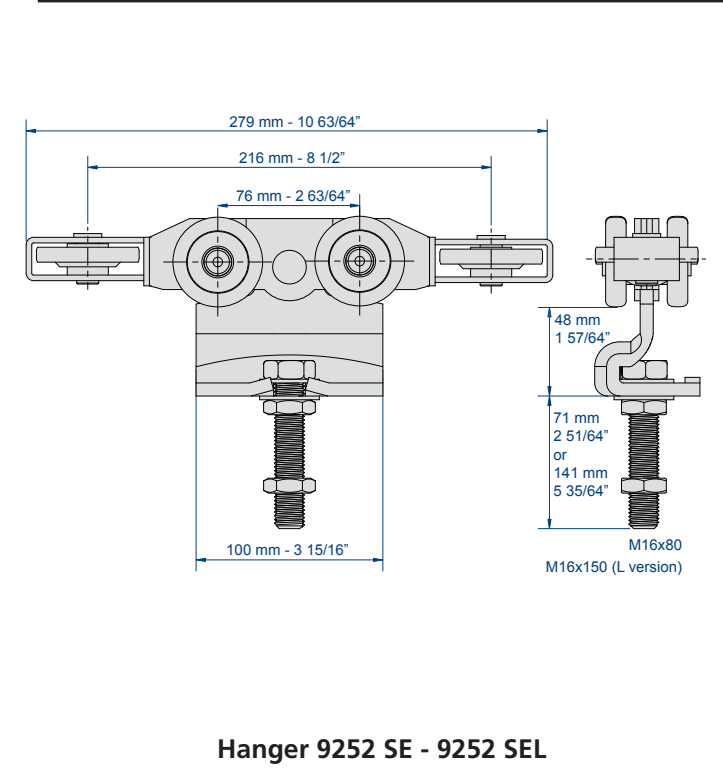
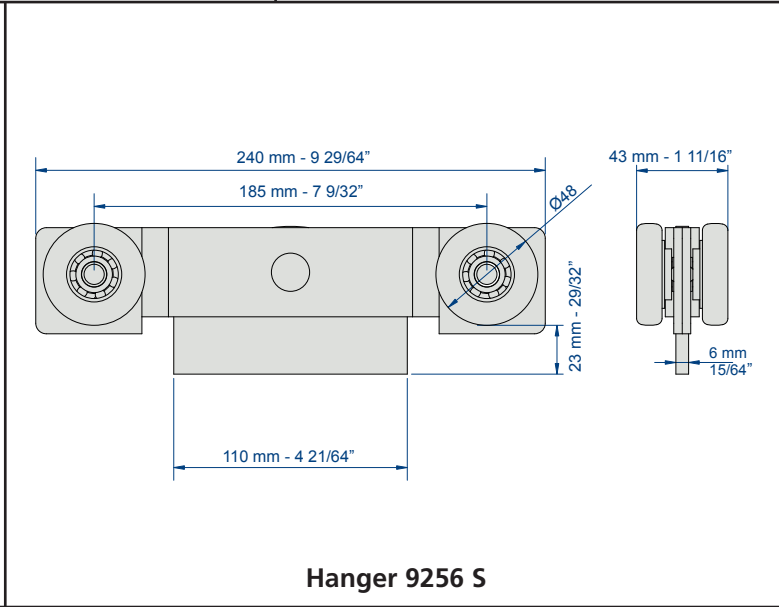
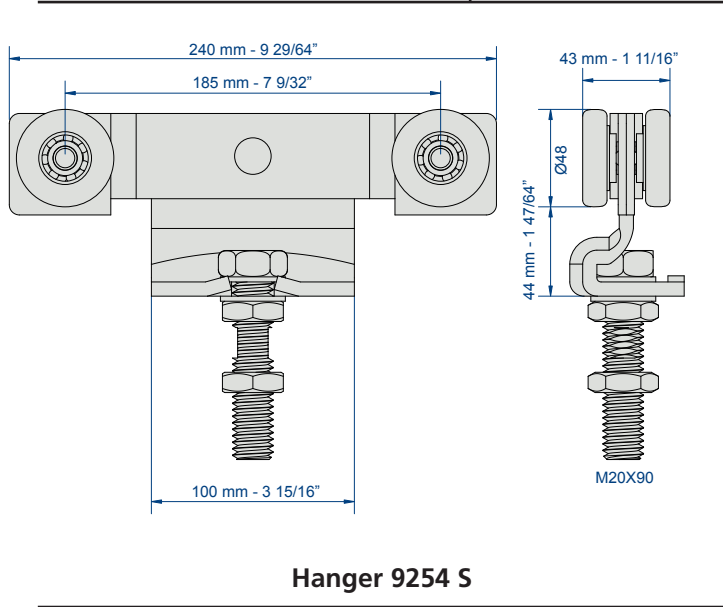
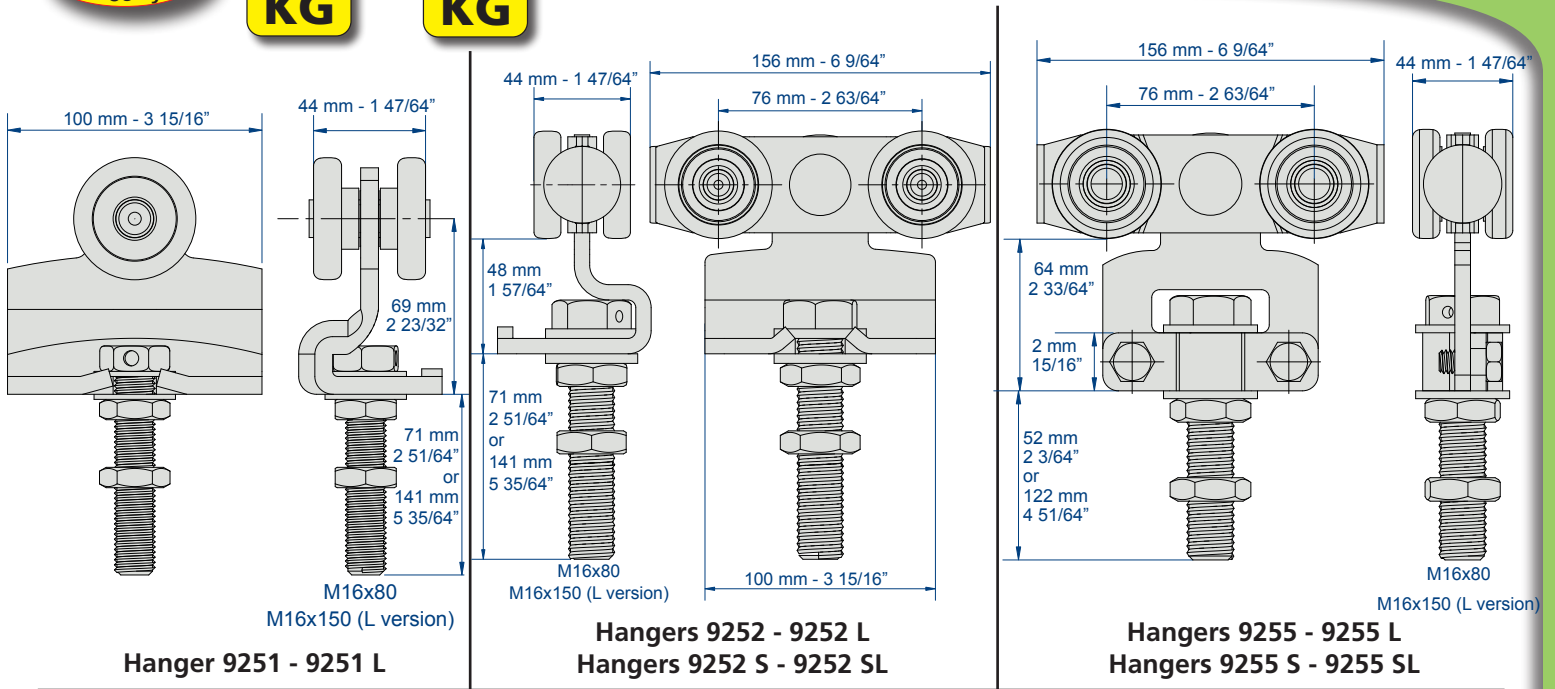


For floor guiding: see on page 50



350 KG → **900 KG**

9250 series



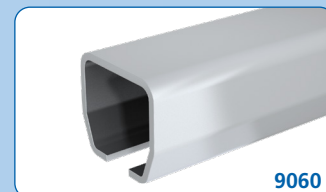
CAPACITY/DOOR: 2000 kg max.

TRACK: 9060

MOTION: STRAIGHT

- Electrolytic protection of all hangers
- For fire doors: Hangers 9262S and 9262SL completely made of steel and equipped with ball bearings
- Hangers designed for automatic operated doors: 9262SE
- For special applications: « L version » hangers with a 70 mm longer screw

TRACKS		
Item Nr	Description	
9060/600	Galvanised track 75 x 80 mm. 6 m long	4
9060N/600	Plain track (untreated) 75 x 80 mm. 6 m long.	4



capacity per door

In case of an automatic operations use, please divide the capacity by 2

HANGERS & PLATES				
Item Nr	Description	screw Ø		
9262S	Hanger with swanneck and 4 steel wheels mounted on ball bearings.	Ø M20	2	
9262SL	Ditto with long fixing bolt (160 mm)	Ø M20	2	
9264S	Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M24	2	1200 kg
9265S	Hanger with removable collar, with 4 steel wheels mounted on ball bearings	Ø M20	2	
9265SL	Ditto with long fixing bolt (160 mm)	Ø M20	2	
9262SE	Hanger for automatic doors, idem 9262S equipped with a guiding wheel at each end	Ø M20	2	700 kg
9262SEL	Ditto with long fixing bolt (160 mm)	Ø M20	2	
9268 S	Double hanger with removable collar, with 8 steel wheels mounted on ball bearings	Ø M20	2	2000 kg
9268SL	Ditto with long fixing bolt (160 mm)	Ø M20	2	
0085S	Plate, welding type for top fixing	Ø 21	10	
0086S	Plate, screwing type for top fixing	Ø M20		
0086SW	Reinforced «U» plate for side fixing	Ø M20		
0096W	Ditto with Ø M24	Ø M24		



For floor guiding: see on page 50

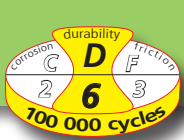
DID YOU KNOW ?



«MAGNESIUM ZINC»:

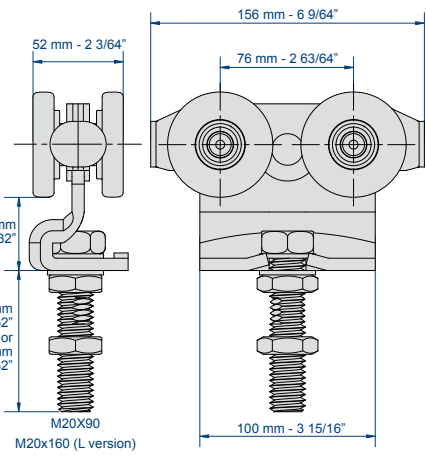
In the building industry, most products have a Z275 zinc protection. For optimal quality, all the Manton profiles are coated with magnesium zinc (without chromium) in order to preserve all the qualities to all weather. Number of hours of resistance to salt spray and red rust: 800 h !!



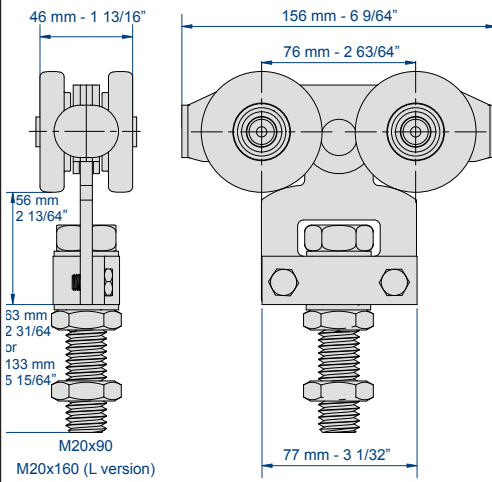


700 KG → **2000 KG**

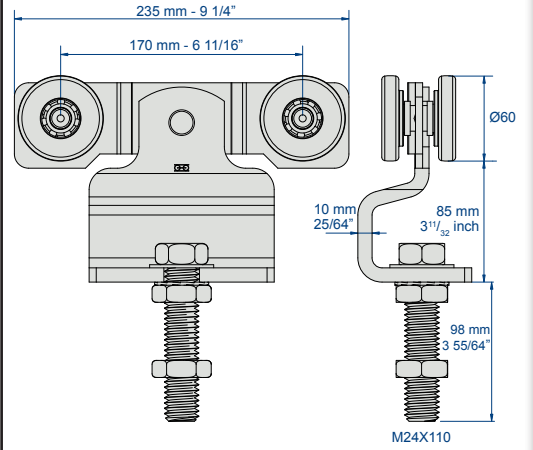
9260 series



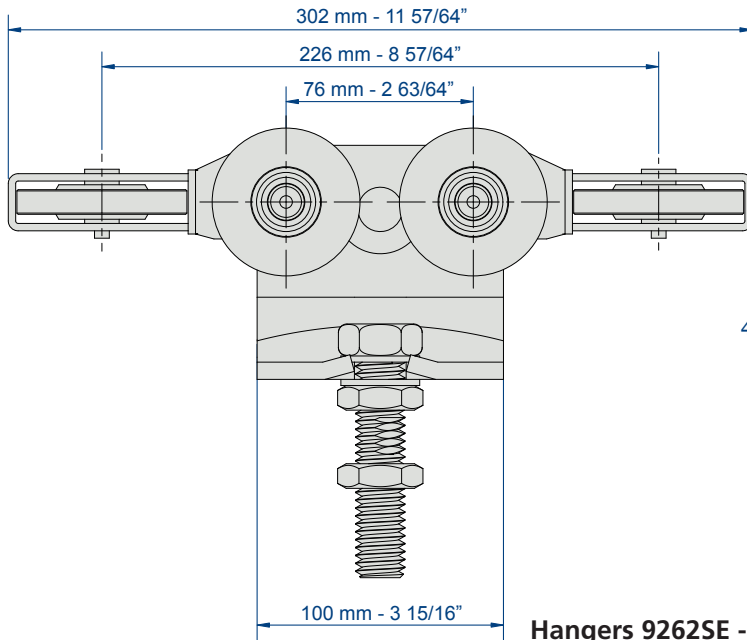
Hangers 9262S - 9262SL



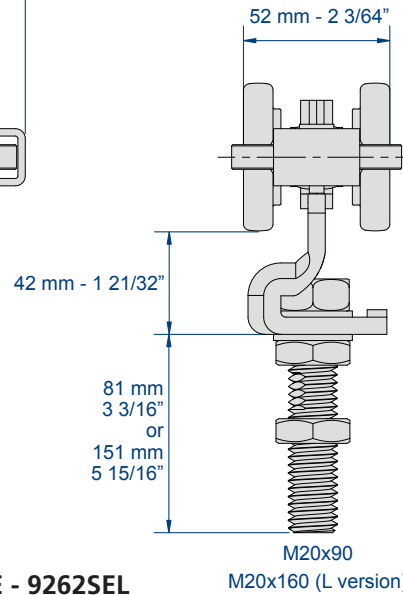
Hangers 9265 S - 9265SL



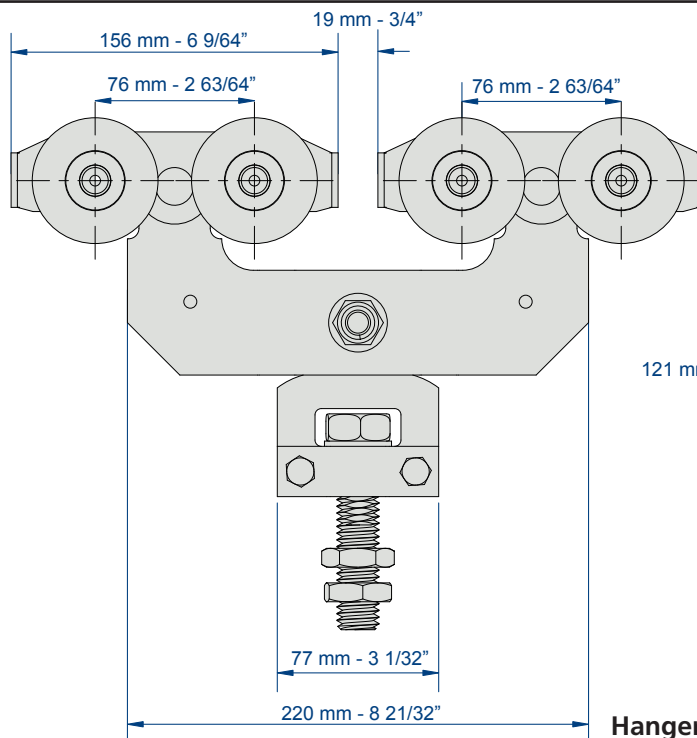
Hangers 9264S



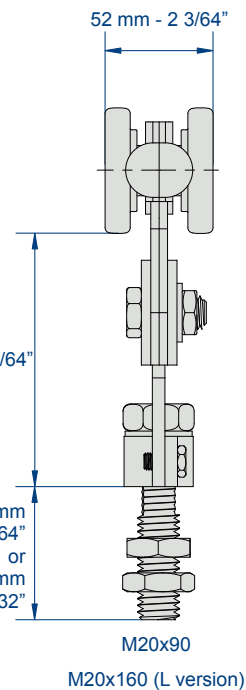
Hangers 9262SE - 9262SEL



**M20x90
M20x160 (L version)**



Hangers 9268S - 9268SL



**M20x90
M20x160 (L version)**



CAPACITY/DOOR: 3000 kg max.

TRACK: 9070

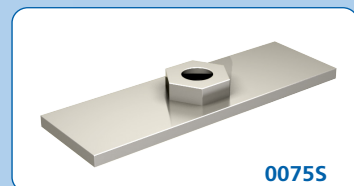
MOTION: STRAIGHT

- Electrolytic protection of all hangers
- For fire doors: Hangers 9272S completely made of steel and equipped with ball bearings

TRACKS		
Item Nr	Description	
9070/600	Galvanised track 110 x 90 mm, 6 m long	
9070N/600	Plain track (untreated) 110 x 90 mm, 6 m long.	

capacity per door

HANGERS & PLATES				
Item Nr	Description	screw Ø		
9272S	2000 kg Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M30	2	
9278S	3000 kg Double hanger with swanneck, and 8 steel wheels mounted on ball bearings	Ø M30		
0075S	Plate welding type	Ø M30		



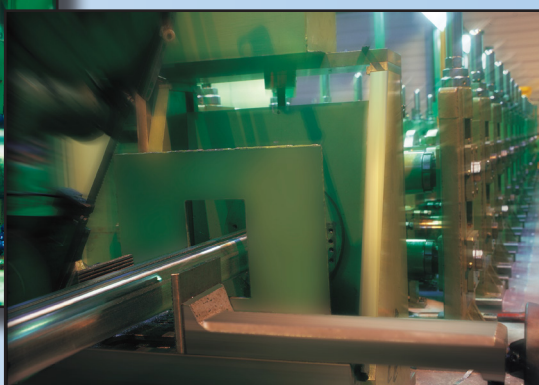
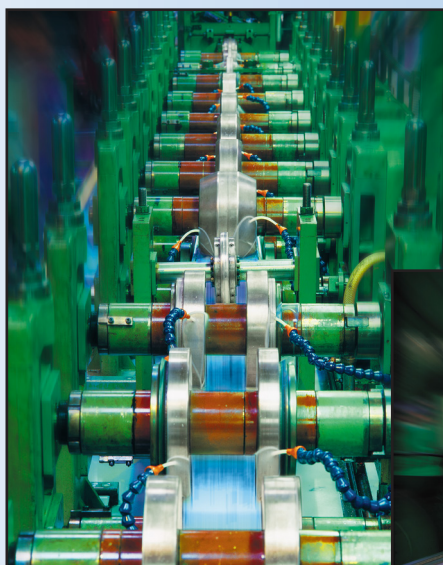
DID YOU KNOW ?

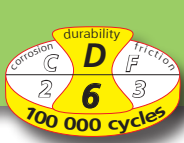
For floor guiding: see on page 50



MANTION ROLLING:

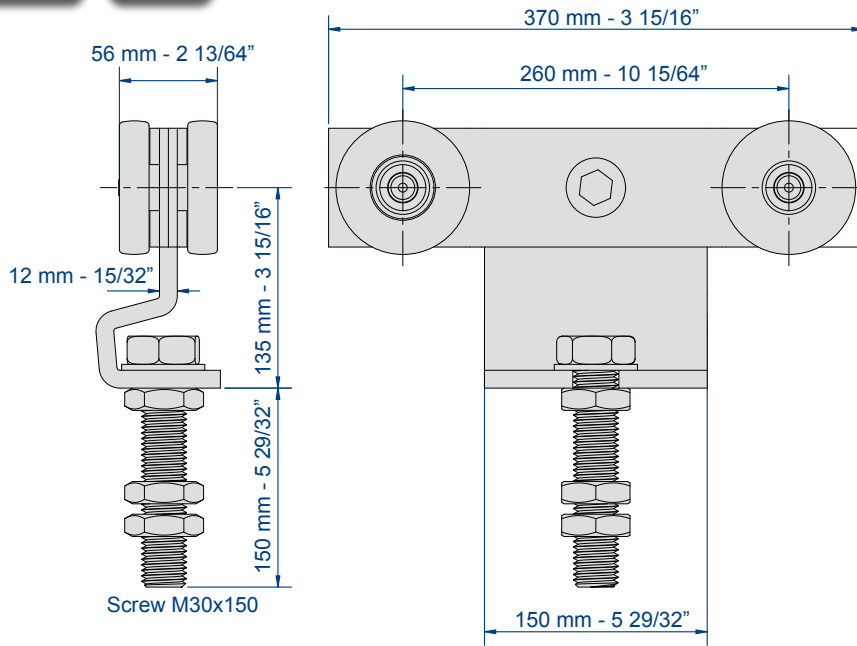
Mantion is the only hardware manufacturer which rolls all its tracks. This ensures a perfect design and compatibility of the complete systems. Thanks to this process, Mantion can offer steel tracks with a High Limit of Elasticity.



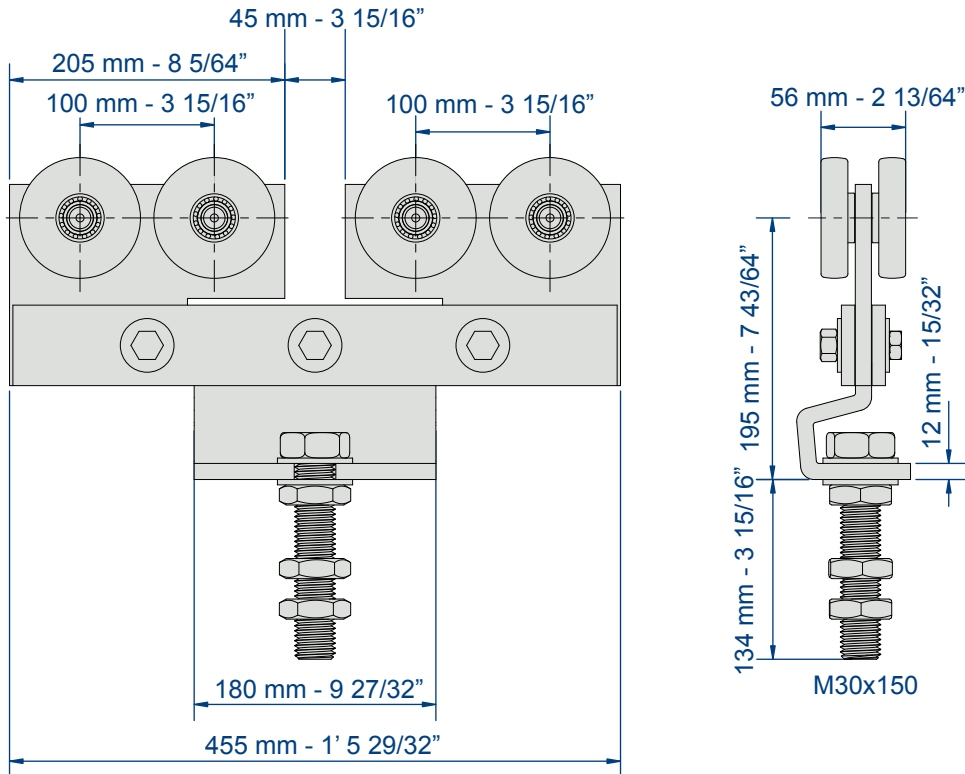


**2000
KG** **3000
KG**

9270 series



Hanger 9272



Hanger 9278S

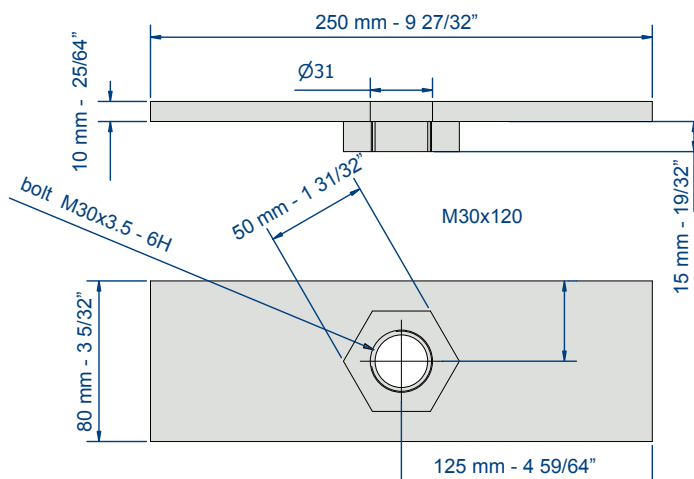


Plate 0075S



CAPACITY/DOOR: 600 kg max.

TRACK: 9010 ---> 9050

MOTION: STRAIGHT

- Tracks, hangers and accessories made of 100% stainless steel
- 2 different qualities of stainless steel
 - 304 L - A2: for food industry ...
 - 316 L - A4: for highly aggressive or corrosive environment, sea environment...

TRACKS & BRACKETS

9010X		9030X		9040X		9050X	Fig.	Description
304 L	316 L	304 L	316 L	304 L	316 L	304 L		
9010XA2/6	9010XA4/6	9030XA2/6	9030XA4/6	9040XA2/6	9040XA4/6	9050XA2/6	1	STAINLESS STEEL track - 6 meters long
9011XA2	9011XA4	9031XA2	9031XA4	9041XA2	9041XA4	9051LXA2	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

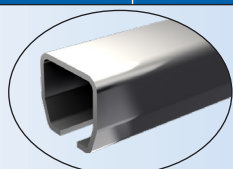


Fig. 1



Fig. 2

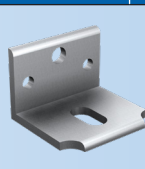


Fig. 3

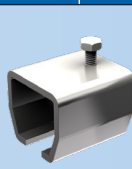


Fig. 4



Fig. 5

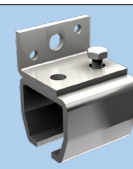


Fig. 6



Fig. 7

FOR DOORS UP TO 60 KG

track 9010X

304 L	316 L	Fig.	Description
99212XA2	99212XA4	8	Hanger with swanneck (nylon wheels, smooth axis, M10 fixing screw) CAPACITY : 60 kg/door
0036XA2	0036XA4	12	Plate, top fixing (hole M10)
9118XA2	9118XA4	14	Stop

FOR DOORS UP TO 200 KG

track 9030X

99232XA2	99232XA4	8	Hanger with swanneck (nylon wheels, smooth axis, M12 fixing screw) CAPACITY : 100 kg/door
9232XSA2	9232XSA4	9	Hanger with swanneck (ball bearings, with M12 fixing screw) CAPACITY : 200 kg/door
9235XSA2	9235XSA4	10	Hanger with removable collar (ball bearings, with M12 fixing screw) CAPACITY : 200 kg/door
0056XA2	0056XA4	12	Plate, top fixing (hole M12)
9139XA2	9139XA4	15	Stop

FOR DOORS UP TO 400 KG

track 9040X

9242XSA2	9242XSA4	9	Hanger with swanneck (ball bearings, with M14 fixing screw) CAPACITY : 400 kg/door
-	9245XSA4	10	Ditto with removable collar
0066XA2	0066XA4	13	Plate, top fixing (hole M14)
9149XA2	9149XA4	15	Stop

FOR DOORS UP TO 600 KG

track 9050X

9255XSA2	-	11	Hanger with removable collar (ball bearings, with M16 fixing screw) CAPACITY : 600 kg/door
0086XA2	-	13	Plate, top fixing (hole M16)
9159XA2	-	15	Stop

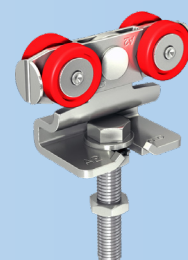


Fig. 8

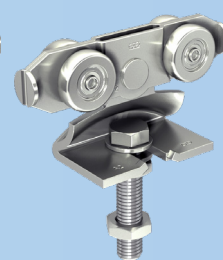


Fig. 9

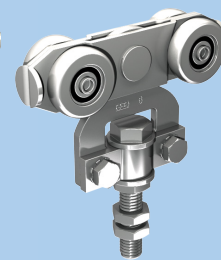


Fig. 10

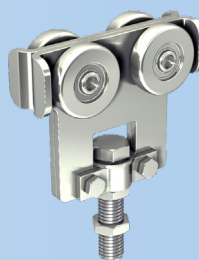


Fig. 11

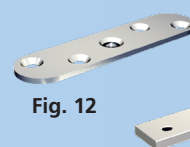


Fig. 12

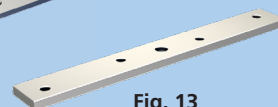


Fig. 13

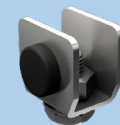


Fig. 14

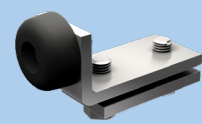


Fig. 15

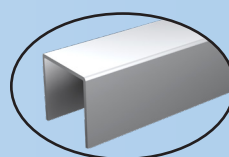


Fig. 16

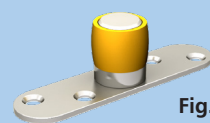


Fig. 17

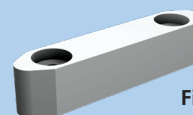


Fig. 18

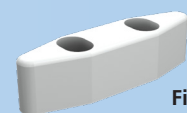


Fig. 19

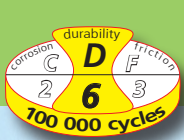


Fig. 20

ACCESSORIES

GUIDES & HANDLE

1110XA2/6	1110XA4/6	16	U-channel 30x30 - 6 meters long
1099XA2	-	17	Bottom guide with a brass olive on a round ended plate - Screwing type for U-profile 30x30
1110GN	-	18	Nylon guide for U-channel 30x30 - 120 x 25 x 25
1110GDL	-	19	Nylon guide for U-channel 30x30 - 100 x 25 x 25
1290X	-	20	Finger pull in stainless steel - 200 x 90 mm



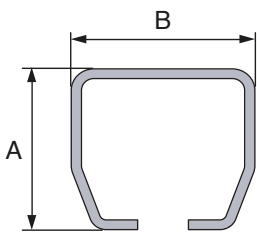
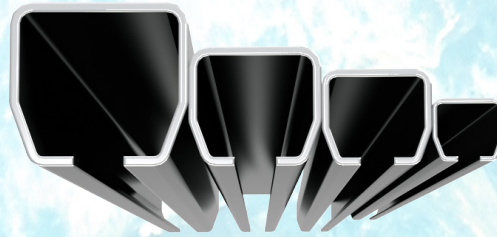
STAINLESS STEEL



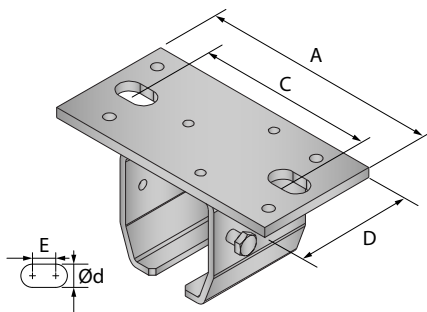
316L :
Ideal for
seaside use

2 Grades of stainless steel:

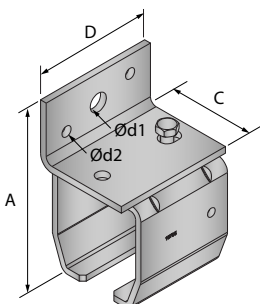
- grade 304L : For sliding doors in a corrosive environment : food industry, etc...
- grade 316L : For sliding doors in a highly aggressive environment : marine sea spray, chemical industry, hospitals, nuclear industry, etc...



Item Nr	A	B
9010XA...	28	30
9030XA...	35	40
9040XA...	43.5	48.5
9050XA...	60	65

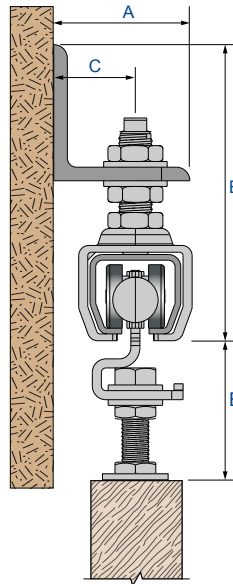


Item Nr.	A	C	D	E	Ød
9018H...	100	70	40	8	9
9038H...	115	81	54	8	11
9048H...	130	94	65	8	13
9058H...	170	125	80	11	17

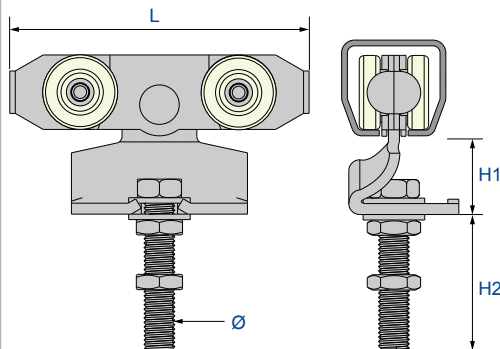


Item Nr	A	C	D	Ød1	Ød2
9018V...	60.5	36	40	9	5
9038V...	71	48	54	11	6
9048V...	93	59	65	13	7
9058V...	124	70	80	14	8

Hanger with swanneck 99212 - 99232 - 9232 - 9242

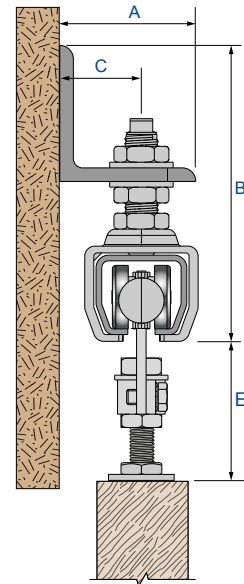


Item Nr	A	B	C	E
99212XA...	40	99±7	24±6	50±15
99232XA... / 9232XSA...	60	131±5	36±10	59±20
9242XSA...	70	151±5	40±10	75±25

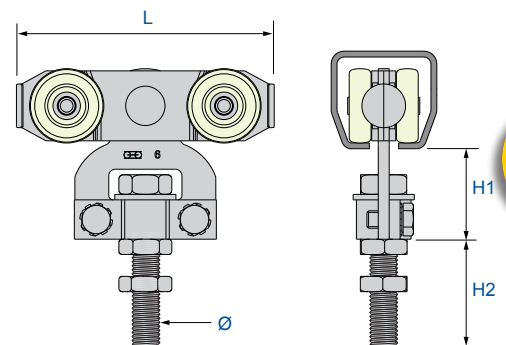


Item Nr	L	H1	H2	Ø
99212XA...	87	24	50	M10
99232XA... / 9232XSA...	89	27	63	M12
9242XSA...	137	31	72	M14

Hanger with removable collar 9235 - 9245 - 9255



Item Nr	A	B	C	E
9235XSA...	60	131±5	36±10	65±15
9245XSA...	70	151±5	40±10	65±9
9255XSA2...	90	232±30	52±10	90±20



Item Nr	L	H1	H2	Ø
9235XSA...	89	42	47	M12
9245XSA...	118	41	50	M14
9255XSA2...	128	59	59	M16

CAPACITY / PANEL: 400 kg max.

TRACK: 9010 to 9060

MOTION: LATERAL

- These hangers are specially designed for lateral sliding doors on a tubular track.
- Hangers with 5 different capacities, each corresponding to a different track section.

The curve has to be fixed on an angle steel by 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 9300 series are supplied in a «top fixing» version. They are also available in «side fixing» on request

HOW TO CHOOSE THE HANGER AND THE TRACK:

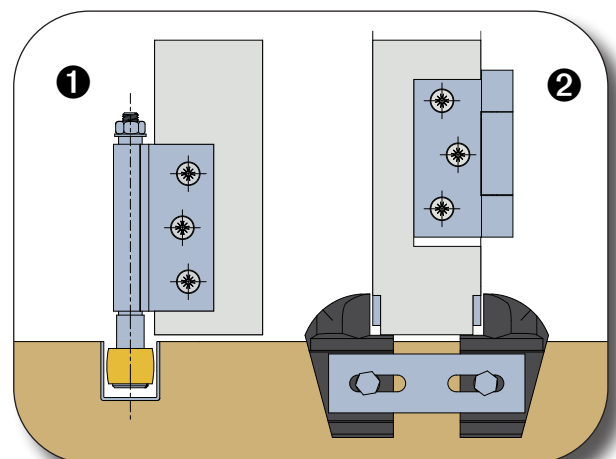
For a door without a service door: the weight of a single panel has to be taken into consideration

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

FLOOR GUIDING:

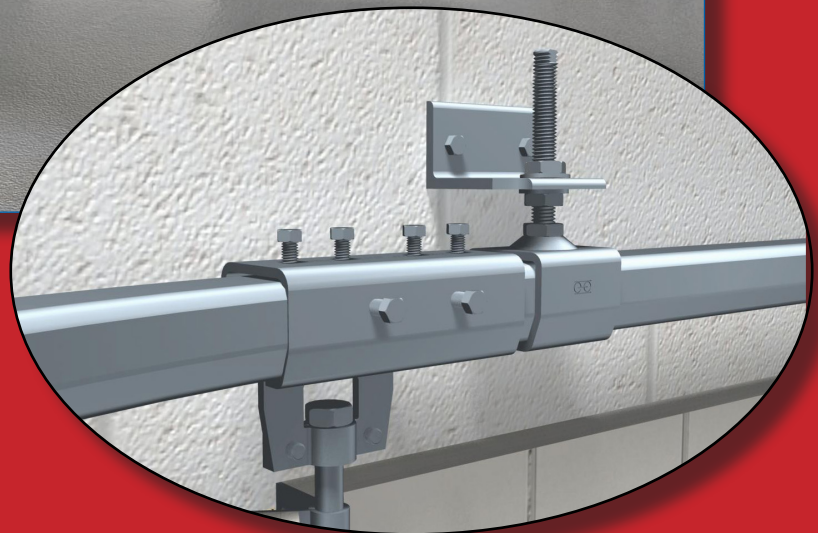
- 1 with hinges: as many guides as hangers have to be used
- 2 with shoe guides: as many guides as hangers have to be used (one of them being a half shoe guide)
Item Nr **1011** for panels of 21 to 50 mm thickness
Item Nr **1014** for panels 32 to 70 mm thickness
See shoe guides on page 58

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



Sliding systems for LATERAL DISPLACEMENT DOORS

9300 series



With screwing type hinges

26-27

With welding type hinges

28-29

HANGER - CAPACITY 40 Kg Track: 9010

Item Nr	Fig.	Description	
9312	1	Intermediate hanger with hinge (capacity: 40 kg)	2
9312E	2	Offset end hanger (capacity: 40 kg)	2
1104	3	Intermediate bottom guide with hinge for U-profile 25 x 17 (Item Nr 1109)	
1104EL	4	Offset bottom guide for U-profile 25 x 17 (Item Nr 1109)	
1510C	5	Hinge 80 x 60 screwing type, axle Ø 10, top fixing	10
1109	7	Galvanised U-profile 25 x 17. Available in 4 m, 5 m and 6 m	4
1109M	8	Jointing bracket for U-profile 25 x 17 (Item Nr 1109)	
9010C	9	Galvanised curve. Radius: 500 mm	For max. 550 mm panels
1109C	10	Galvanised curve for U-profile 25 x 17. Radius: 500 mm	
3539	11	Angle steel (30 x 20) for curve, sealing type - L = 610 mm.	

HANGER - CAPACITY 75 Kg Track: 9030

9332	1	Intermediate hanger with hinge (capacity: 75 kg)	2
9332E	2	Offset end hanger (capacity: 75 kg)	2
1105	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (1110)	
1105EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1512C	6	Hinge 85 x 85 screwing type, axle Ø 12, top fixing	10
1110	7	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
9030C	9	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	10	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	11	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	

HANGER - CAPACITY 150 Kg Track: 9040

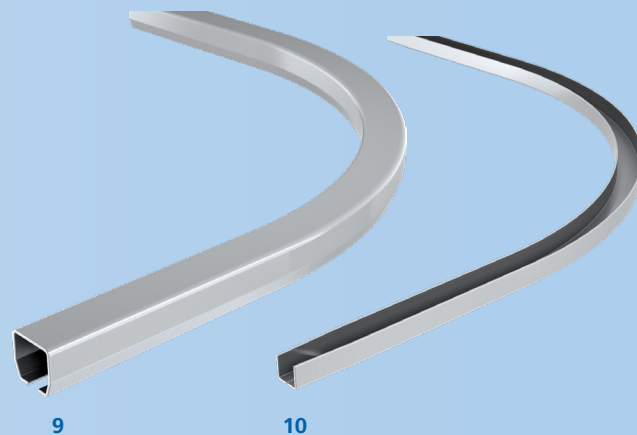
9342	1	Intermediate hanger with hinge (capacity: 150 kg)	2
9342E	2	Offset end hanger (capacity: 150 kg)	2
1106	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (1110)	
1106EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1514C	6	Hinge 120 x 100 screwing type, axle Ø 14, top fixing	6
1110	7	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
9040C	9	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	10	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	11	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	

HANGER - CAPACITY 300 Kg Track: 9050

9352	1	Intermediate hanger with hinge (capacity: 300 kg)	2
9352E	2	Offset end hanger (capacity: 300 kg)	2
1108	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (1110)	
1108EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1516C	6	Hinge 120 x 100 screwing type, axle Ø 16, top fixing	4
1110	7	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
9050C	9	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	10	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	11	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	

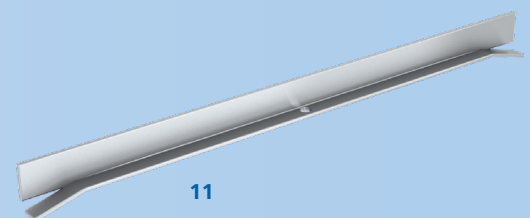
HANGER - CAPACITY 400 Kg Track: 9060

9362	1	Intermediate hanger with hinge (capacity: 400 kg)	2
9362E	2	Offset end hanger (capacity: 400 kg)	2
1108	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (1110)	
1108EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1516C	6	Hinge 120 x 100 screwing type, axle Ø 16, top fixing	4
1110	7	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
9060C	9	Galvanised curve. Radius: 800 mm	For max. 900 mm panels
1112C	10	Galvanised curve for U-profile 30 x 30. Radius: 800 mm	
8579	11	Angle steel for curve, sealing type (60 x 40) - L = 1030 mm.	

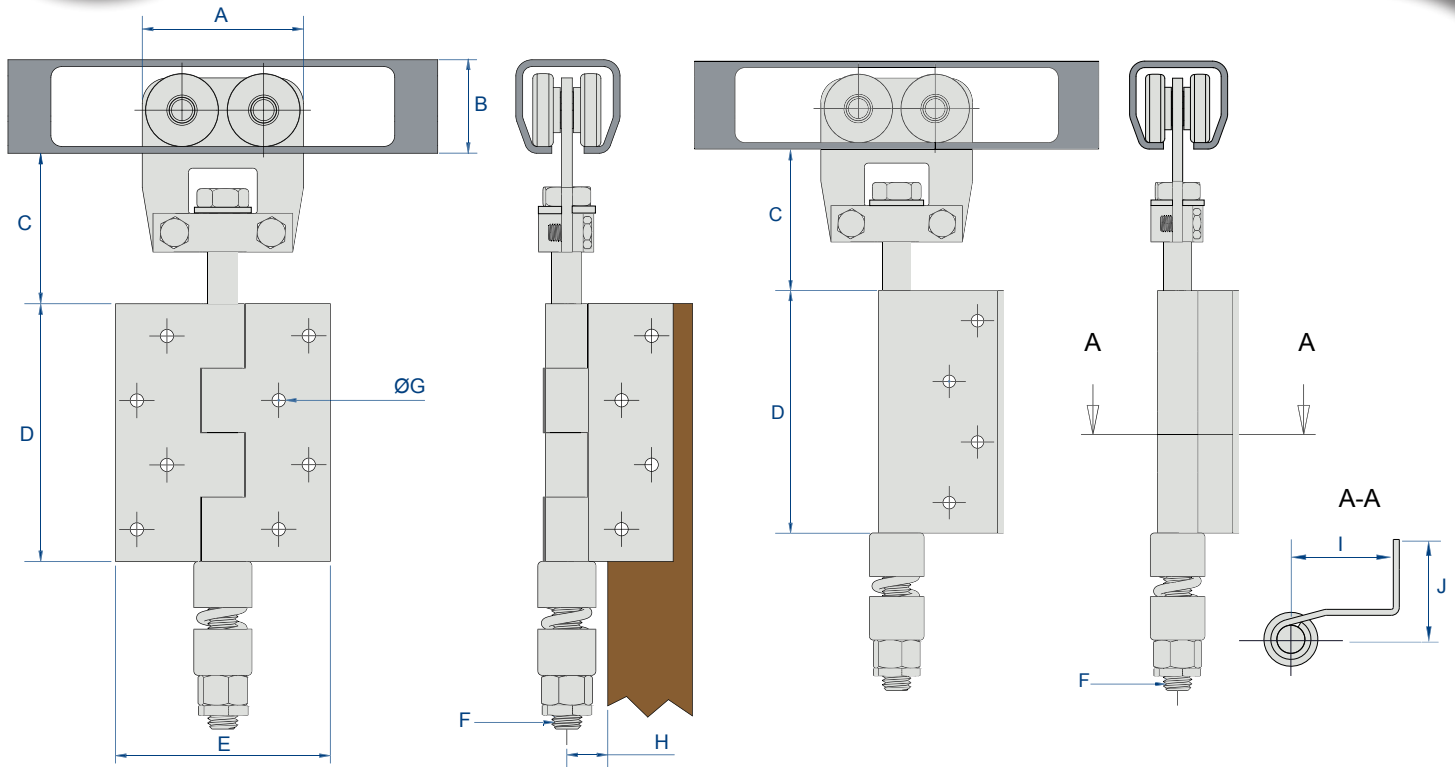


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9



11



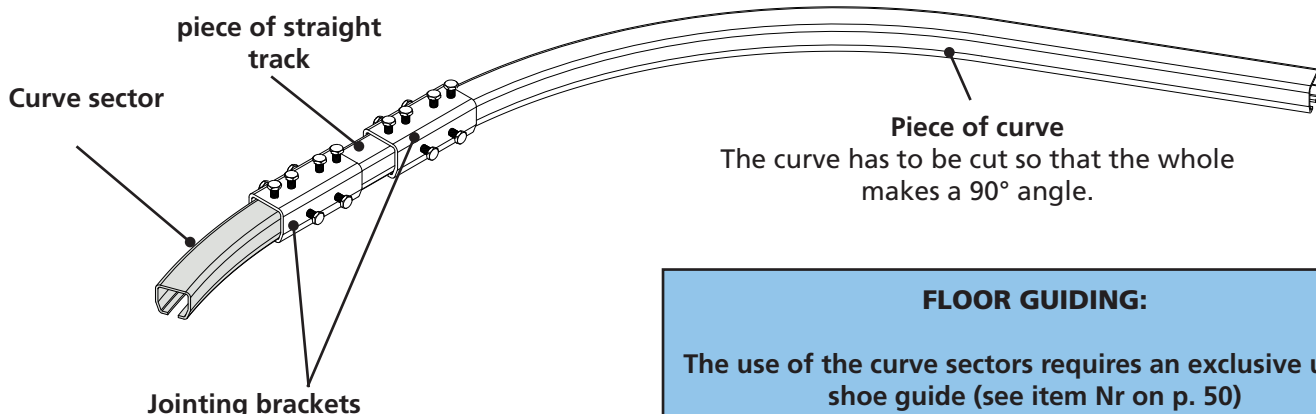
Intermediate hangers

End hangers

Item Nr	A	B	C		D	E	F	G	H	I	J
			Min.	Max.							
9312	50	28	35	47	80	60	M 10	5	11	28	30
9312E											
9332	62	35	39	55	85	85	M 12	5	12	41	26
9332E											
9342	75	43.5	45	62	120	100	M 14	6	15	52	30
9342E											
9352	100	60	66	91	120	100	M 16	6	17	60	32
9352E											
9362	124	75	60	85	120	100	M 16	6	17	60	32
9362E											

USE OF CURVE SECTORS FOR WIDE PANELS

CURVE SECTORS					
9010CS	for track 9010	for panels wider than 550 mm	9050CS	for track 9050	for panels wider than 650 mm
9030CS	for track 9030	for panels wider than 650 mm	9060CS	for track 9060	for panels wider than 900 mm
9040CS	for track 9040	for panels wider than 650 mm			



FLOOR GUIDING:
The use of the curve sectors requires an exclusive use of shoe guide (see item Nr on p. 50)

see mounting instructions on p. 24

HANGERS WELDING TYPE - Capacity 40 Kg Track: 9010

Item Nr	Fig.	Description	
9312SO	1	Intermediate hanger with hinge . Welding type (capacity: 40 kg)	2
9312SOE	2	End hanger mounted on a half hinge (capacity: 40 kg)	2
1104SO	3	Intermediate bottom guide with hinge for U-profile 25 x 17 (1109)	
1104SOE	4	Bottom guide with a half hinge for U-profile 25 x 17 (Item Nr 1109)	
1510SO	5	Hinge - Welding type. H = 80 - axle Ø 10	10
1109	6	Galvanised U-profile 25 x 17. Available in 4 m, 5 m and 6 m	4
1109M	7	Joining bracket for U-profile 25 x 17 (item Nr 1109)	
9010C	8	Galvanised curve. Radius: 500 mm	For max. 550 mm panels
1109C	9	Galvanised curve for U-profile 25 x 17. Radius: 500 mm	
3539	10	Angle steel for curve, sealing type (30 x 20) - L = 610 mm.	



HANGERS WELDING TYPE - Capacity 75 Kg Track: 9030

9332SO	1	Intermediate hanger with hinge . Welding type (capacity: 75 kg)	2
9332SOE	2	End hanger mounted with a half hinge (capacity: 75 kg)	2
1105SO	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (Item Nr 1110)	
1105SOE	4	Bottom guide with a half hinge for U-profile 30 x 30 (Item Nr 1110)	
1512SO	5	Hinge - Welding type. H = 85 - axle Ø 12	10
1110	6	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	7	Joining bracket U 30 x 30 (item Nr. 1110)	
9030C	8	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	9	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	10	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	



HANGERS WELDING TYPE - Capacity 150 Kg Track: 9040

9342SO	1	Intermediate hanger with hinge . Welding type (capacity: 150kg)	2
9342SOE	2	Offset end hanger mounted on a half hinge (capacity: 150 kg)	2
1106SO	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (1110)	
1106SOE	4	Bottom guide with a half hinge for U-profile 30 x 30 (Item Nr 1110)	
1514SO	5	Hinge - Welding type. H = 120 - axle Ø 14	6
1110	6	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	7	Joining bracket U 30 x 30 (item Nr. 1110)	
9040C	8	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	9	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	10	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	



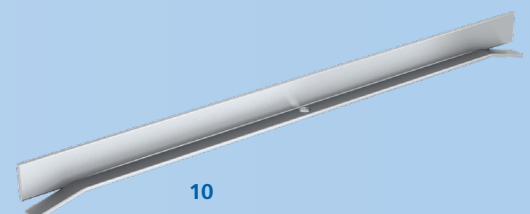
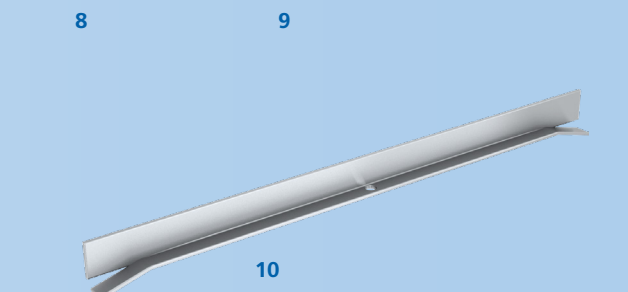
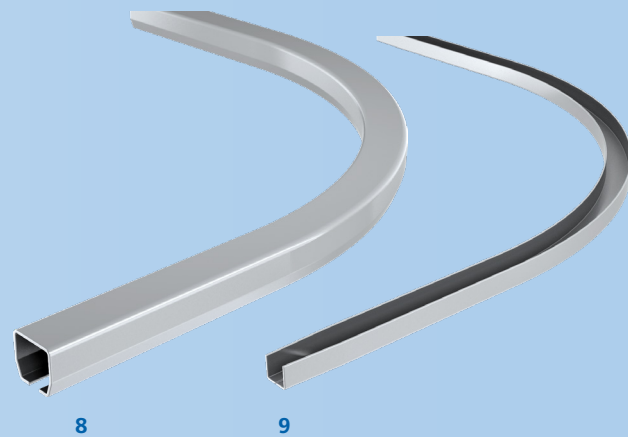
HANGERS WELDING TYPE - Capacity 300 Kg Track: 9050

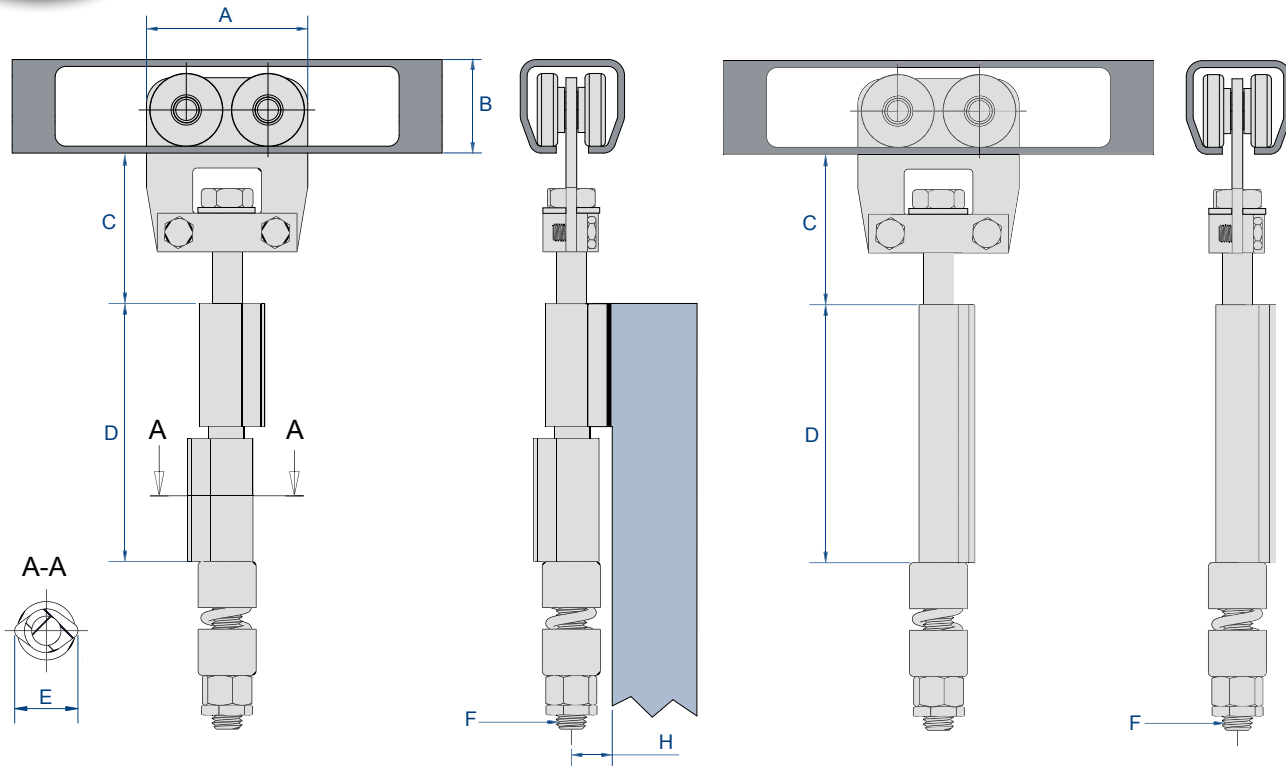
9352SO	1	Intermediate hanger with hinge . Welding type (capacity: 300 kg)	2
9352SOE	2	Offset end hanger mounted on a half hinge (capacity: 300 kg)	2
1108SO	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (Item Nr 1110)	
1108SOE	4	Bottom guide with a half hinge for U-profile 30 x 30 (Item Nr 1110)	
1516SO	5	Hinge - Welding type. H = 120 - axle Ø 16	4
1110	6	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	7	Joining bracket U 30 x 30 (Item Nr. 1110)	
9050C	8	Galvanised curve. Radius: 600 mm	For max. 650 mm panels
1111C	9	Galvanised curve for U-profile 30 x 30. Radius: 600 mm	
5049	10	Angle steel for curve, sealing type (40 x 25) - L = 710 mm.	



HANGERS WELDING TYPE - Capacity 400 Kg Track: 9060

9362SO	1	Intermediate hanger with hinge . Welding type (capacity: 400 kg)	2
9362SOE	2	Offset end hanger mounted on a half hinge (capacity: 400 kg)	2
1108SO	3	Intermediate bottom guide with hinge for U-profile 30 x 30 (Item Nr 1110)	
1108SOE	4	Bottom guide with a half hinge for U-profile 30 x 30 (Item Nr 1110)	
1516SO	5	Hinge - Welding type. H = 120 - axle Ø 16	4
1110	6	Galvanised U-profile 30 x 30. Available in 4 m, 5 m and 6 m	4
1110M	7	Joining bracket U 30 x 30 (Item Nr. 1110)	
9060C	8	Galvanised curve. Radius: 800 mm	For max. 900 mm panels
1112C	9	Galvanised curve for U-profile 30 x 30. Radius: 800 mm	
8579	10	Angle steel for curve, sealing type (60 x 40) - L = 1030 mm.	





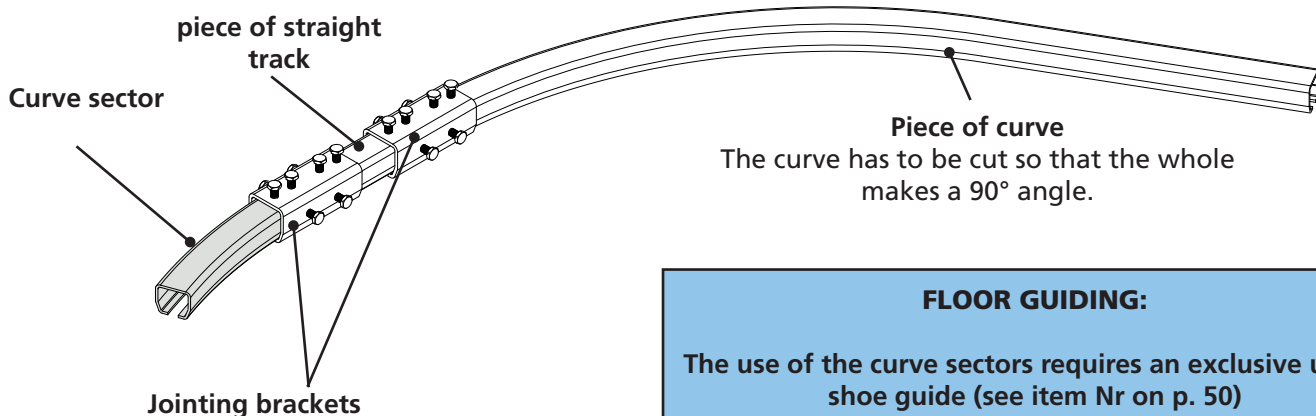
Intermediate hangers

End hangers

Item Nr	A	B	C		D	E	F	H
			Min.	Max.				
9312SO	50	28	35	47	80	22	M 10	11
9312SOE								
9332SO	62	35	39	55	85	24	M 12	12
9332SOE								
9342SO	75	43.5	45	62	120	30	M 14	15
9342SOE								
9352SO	100	60	66	91	120	34	M 16	17
9352SOE								
9362SO	124	75	60	85	120	34	M 16	17
9362SOE								

USE OF CURVE SECTORS FOR WIDE PANELS

CURVE SECTORS					
9010CS	for track 9010	for panels wider than 550 mm	9050CS	for track 9050	for panels wider than 650 mm
9030CS	for track 9030	for panels wider than 650 mm	9060CS	for track 9060	for panels wider than 900 mm
9040CS	for track 9040	for panels wider than 650 mm			



FLOOR GUIDING:
The use of the curve sectors requires an exclusive use of shoe guide (see item Nr on p. 50)

CAPACITY / PANEL: 200 kg max.

TRACK: from 9010 to 9060

MOTION: STRAIGHT FOLDING

- A complete range:
 - 5 systems up to 200 kg per panel
 - up to 0.90 m panel width
 - screwing or welding versions
- Solution adapted to very wide openings
- Reduced space needed when open

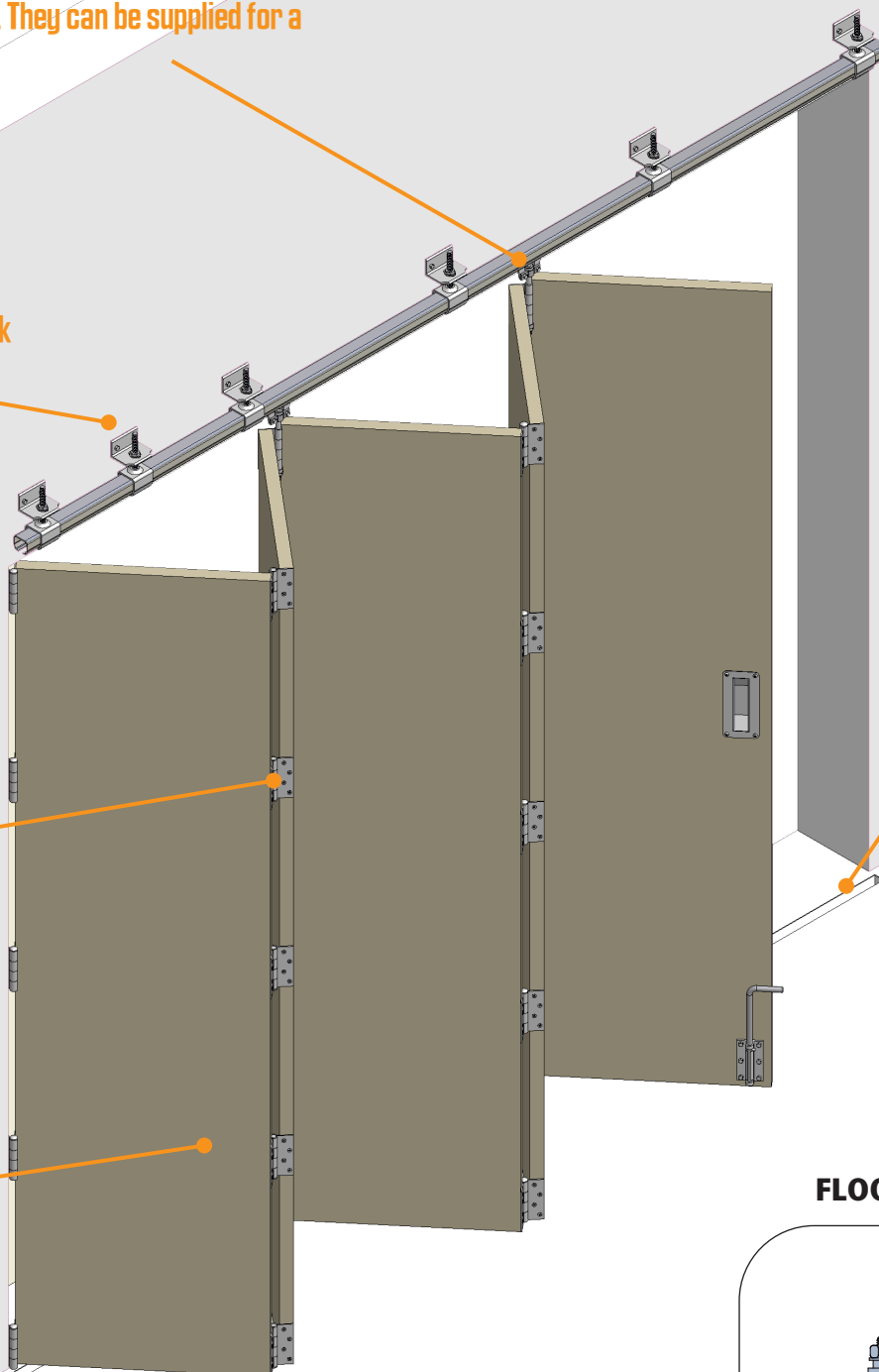
The hangers and hinges of the 9050 series are supplied for a top-fixing. They can be supplied for a side-fixing on request.

Place a complementary bracket on the push back side

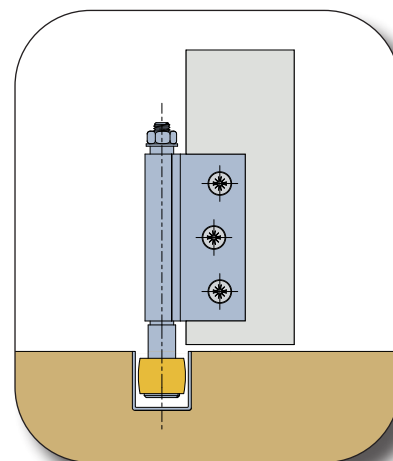
The axle of the hangers, hinges and guides making up an articulation must be perfectly aligned.

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

Floor guiding is imperative

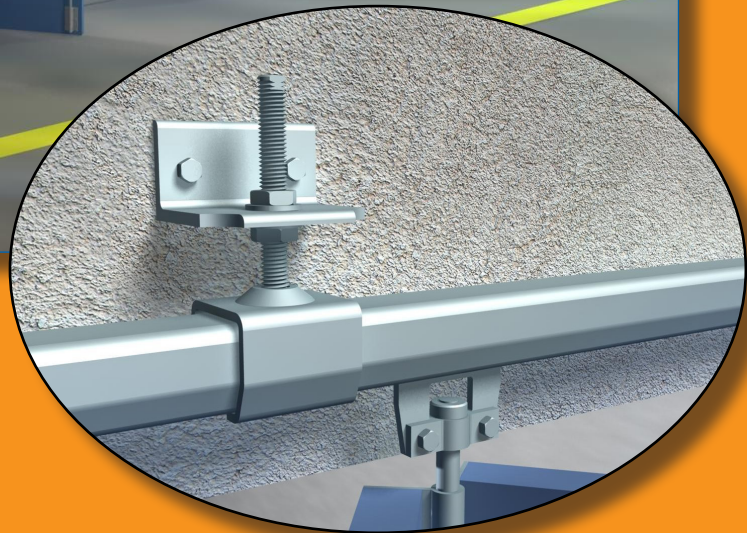


FLOOR GUIDING:



Sliding systems for FOLDING doors with equal panels

9500 Series



With screwing hinges

32-33

With welding hinges

34-35

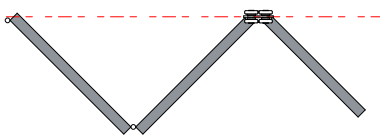


HANGER CAPACITY 40 KG MAX.			Track: 9010
Item Nr	Fig.	Description	
9512	1	Intermediate hanger, mounted on a hinge (capacity 40 kg)	2
9512E	2	Offset end hanger (capacity 40 kg)	2
1104	3	Bottom guide on a hinge for U-profile 25 x 17 (Item Nr 1109)	
1104EL	4	Offset bottom guide for U-profile 25 x 17 (Item Nr 1109)	
1510C	5	Hinge 80 x 60, screwing type, with a Ø 10 axle, top-fixing	10
1109	7	Galvanised U-profile 25 x 17 - 4, 5 and 6 m long	4
1109M	8	Jointing bracket for U-profile 25 x 17 (Item Nr 1109)	
HANGER CAPACITY 75 KG MAX.			Track: 9030
9532	1	Intermediate hanger, mounted on a hinge (capacity 75 kg)	2
9532E	2	Offset end hanger (capacity 75 kg)	2
1105	3	Bottom guide on a hinge for U-profile 30 x 30 (Item Nr 1110)	
1105EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1512C	6	Hinge 85 x 85, screwing type, with a Ø 12 axle, top-fixing	10
1110	7	Galvanised U-profile 30 x 30 - 4, 5 and 6 m long	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
HANGER CAPACITY 150 KG MAX.			Track: 9040
9542	1	Intermediate hanger, mounted on a hinge (capacity 150 kg)	2
9542E	2	Offset end hanger (capacity 150 kg)	2
1106	3	Bottom guide on a hinge for U-profile 30 x 30 (Item Nr 1110)	
1106EL	4	Offset bottom guide for U-profile 30 x 30 (Item Nr 1110)	
1514C	6	Hinge 120 x 100, screwing type, with a Ø 14 axle, top-fixing	6
1110	7	Galvanised U-profile 30 x 30 - 4, 5 and 6 m long	4
1110M	8	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
HANGER CAPACITY 300 KG MAX.			Track 9050
9552	1	Intermediate hanger, mounted on a hinge (capacity 300 kg)	2
9552E	2	Offset end hanger (capacity 300 kg)	2
1114	3	Bottom guide on a hinge for U-profile 50 x 60 (Item Nr 1115)	
1114EL	4	Offset bottom guide for U-profile 50 x 60 (Item Nr 1115)	
1516C	6	Hinge 120 x 100, screwing type, with a Ø 16 axle, top-fixing	4
1115/600	7	Galvanised U-profile 50 x 60 - 6 m long	
1115M	8	Jointing bracket for U-profile 50 x 60 (Item Nr 1115)	
HANGER CAPACITY 400 KG MAX.			Track: 9060
9562	1	Intermediate hanger, mounted on a hinge (capacity 400 kg)	2
9562E	2	Offset end hanger (capacity 400 kg)	2
1114	3	Bottom guide on a hinge for U-profile 50 x 60 (Item Nr 1115)	
1114EL	4	Offset bottom guide for U-profile 50 x 60 (Item Nr 1115)	
1516C	6	Hinge 120 x 100, screwing type, with a Ø 16 axle, top-fixing	4
1115/600	7	Galvanised U-profile 50 x 60 - 6 m long	
1115M	8	Jointing bracket for U-profile 50 x 60 (Item Nr 1115)	

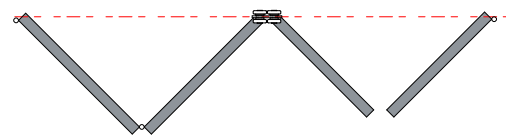


EXAMPLES OF ASSEMBLY:

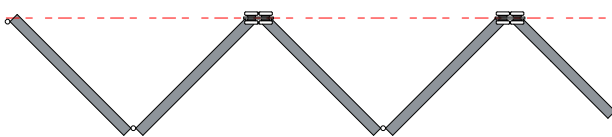
2 panels and 1 service door



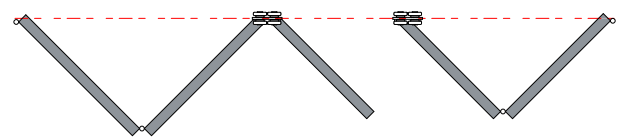
2 panels and 1 service door + 1 panel



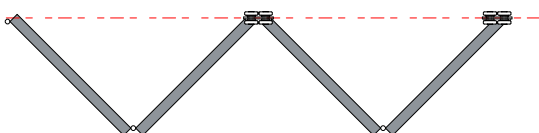
4 panels and 1 service door



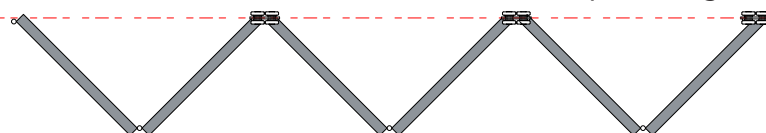
2 panels and 1 service door + 2 panels together

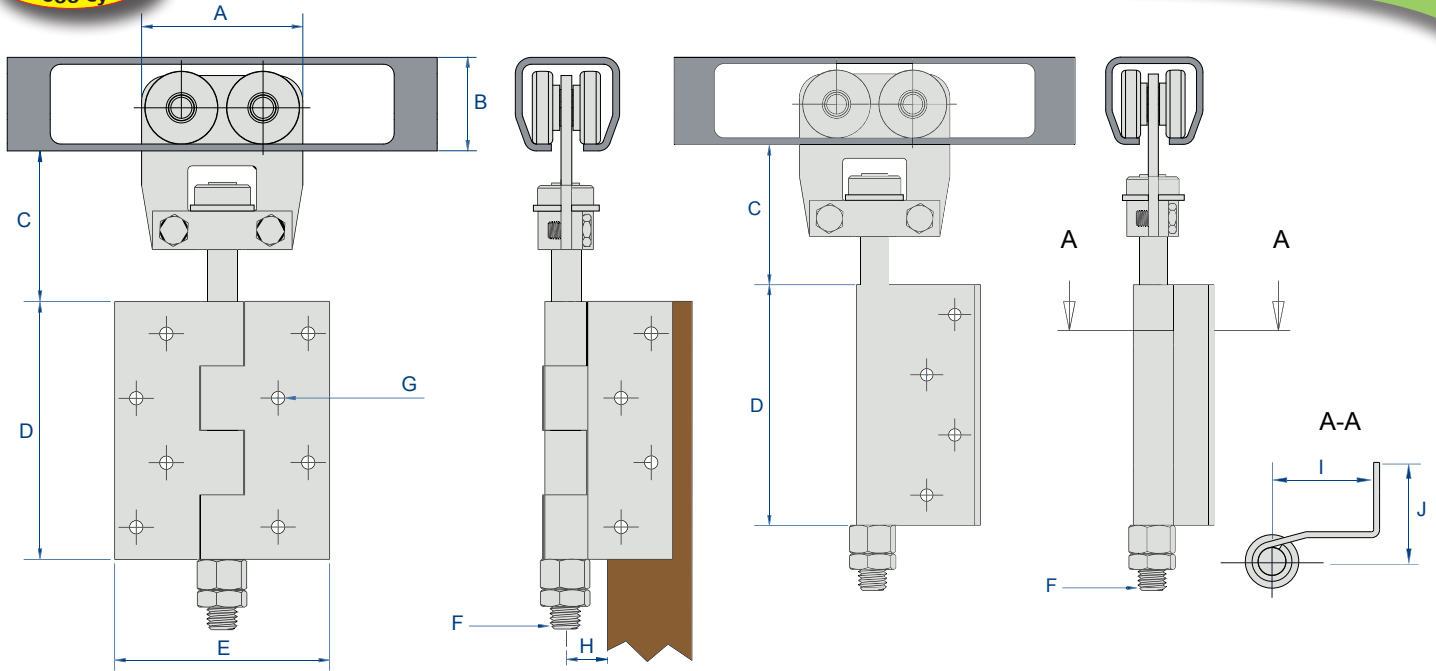
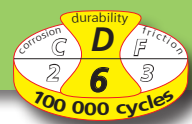


4 panels together



6 panels together





Intermediate hangers

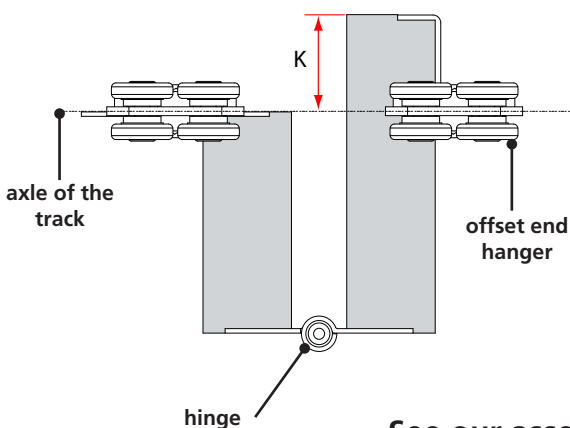
End hangers

Item Nr	A	B	C		D	E	F	G	H	I	J
			Min.	Max.							
9512	50	28	40	60	80	60	M 10	Ø 5	11	28	20
9512E											
9532	62	35	49	69	85	85	M 12	Ø 5	12	41	25.5
9532E											
9542	75	43.5	60	92	120	100	M 14	Ø 6	15	52	31
9542E											
9552	100	60	121	146	120	100	M 16	Ø 6	17	60	32
9552E											
9562	124	75	118	144	120	100	M 16	Ø 6	17	60	32
9562E											

DOOR WITH NO SERVICE DOOR:

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

Item Nr	K dimension
9512E	30
9532E	44
9542E	55
9552E	64
9562E	64

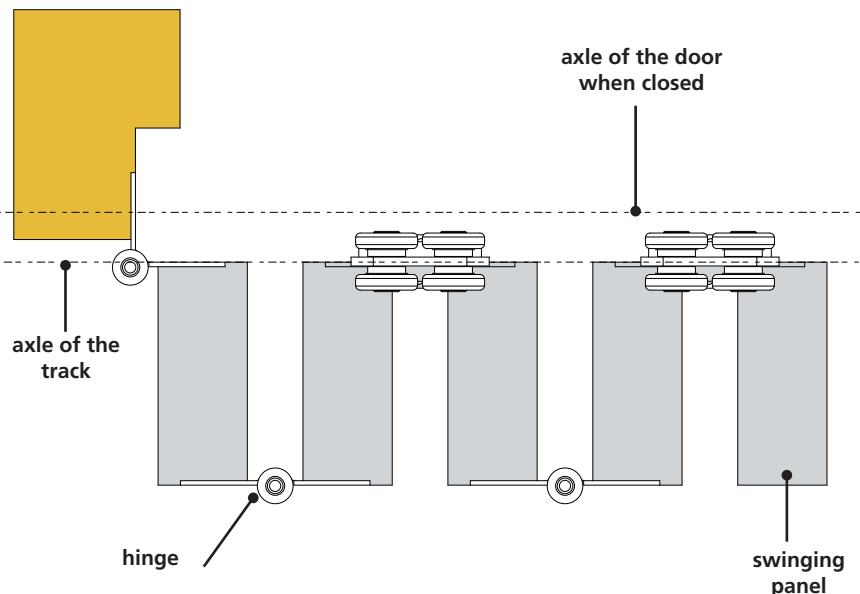


CROSS SECTION, TOP VIEW:

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 9050 series.

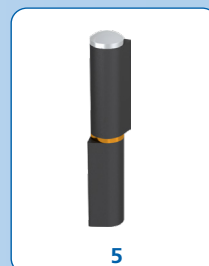
The swinging panel can be blocked:
- by a bar (opening from the inside only)
- by a lock



See our assembling recommendations on p.30



HANGER CAPACITY 40 KG MAX.			Track: 9010
Item Nr	Fig.	Description	
9512SO	1	Intermediate hanger, mounted on a hinge (capacity 40 kg)	2
9512SOE	2	End hanger mounted on a 1/2 hinge (capacity 40 kg)	2
1104SO	3	Bottom guide mounted on a hinge for U-profile 25 x 17 (1109)	
1104SOE	4	End bottom guide mounted on a 1/2 hinge for U-profile 25 x 17	
1510SO	5	Hinge, welding type, with a Ø 10 axle - Height= 80 mm	4
1109	6	Galvanised U-profile 25 x 17. Available in 4, 5 and 6 m.	4
1109M	7	Jointing bracket for U-profile 25 x 17 (Item Nr 1109)	
HANGER CAPACITY 75 KG MAX.			Track: 9030
9532SO	1	Intermediate hanger, mounted on a hinge (capacity 75 kg)	2
9532SOE	2	End hanger mounted on a 1/2 hinge (capacity 75 kg)	2
1105SO	3	Bottom guide mounted on a hinge for U-profile 30 x 30 (1110)	
1105SOE	4	End bottom guide mounted on a 1/2 hinge for U-profile 30 x 30	
1512SO	5	Hinge, welding type, with a Ø 12 axle - Height = 85 mm	10
1110	6	Galvanised U-profile 30 x 30. Available in 4, 5 and 6 m.	4
1110M	7	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
HANGER CAPACITY 150 KG MAX.			Track: 9040
9542SO	1	Intermediate hanger, mounted on a hinge (capacity 150 kg)	2
9542SOE	2	End hanger mounted on a 1/2 hinge (capacity 150 kg)	2
1106SO	3	Bottom guide mounted on a hinge for U-profile 30 x 30 (1110)	
1106SOE	4	End bottom guide mounted on a 1/2 hinge for U-profile 30 x 30	
1514SO	5	Hinge, welding type, with a Ø 14 axle - Height = 120 mm	4
1110	6	Galvanised U-profile 30 x 30. Available in 4, 5 and 6 m.	4
1110M	7	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	
HANGER CAPACITY 300 KG MAX.			Track: 9050
9552SO	1	Intermediate hanger, mounted on a hinge (capacity 300 kg)	2
9552SOE	2	End hanger mounted on a 1/2 hinge (capacity 300 kg)	2
1114SO	3	Bottom guide mounted on a hinge for U-profile 50 x 60 (1115)	
1114SOE	4	End bottom guide mounted on a 1/2 hinge for U-profile 50 x 60	
1516SO	5	Hinge, welding type, with a Ø 16 axle - Height = 120 mm	4
1115/600	6	Galvanised U-profile 50 x 60. 6 m long	4
1115M	7	Jointing bracket for U-profile 50 x 60 (Item Nr 1115)	
HANGER CAPACITY 400 KG MAX.			Track: 9060
9562SO	1	Intermediate hanger, mounted on a hinge (capacity 400 kg)	2
9562SOE	2	End hanger mounted on a 1/2 hinge (capacity 400 kg)	2
1114SO	3	Bottom guide mounted on a hinge for U-profile 50 x 60 (1115)	
1114SOE	4	End bottom guide mounted on a 1/2 hinge for U-profile 50 x 60	
1516SO	5	Hinge, welding type, with a Ø 16 axle - Height = 120 mm	10
1115/600	6	Galvanised U-profile 50 x 60. 6 m long	4
1115M	7	Jointing bracket for U-profile 50 x 60 (Item Nr 1115)	



EXAMPLES OF ASSEMBLY:

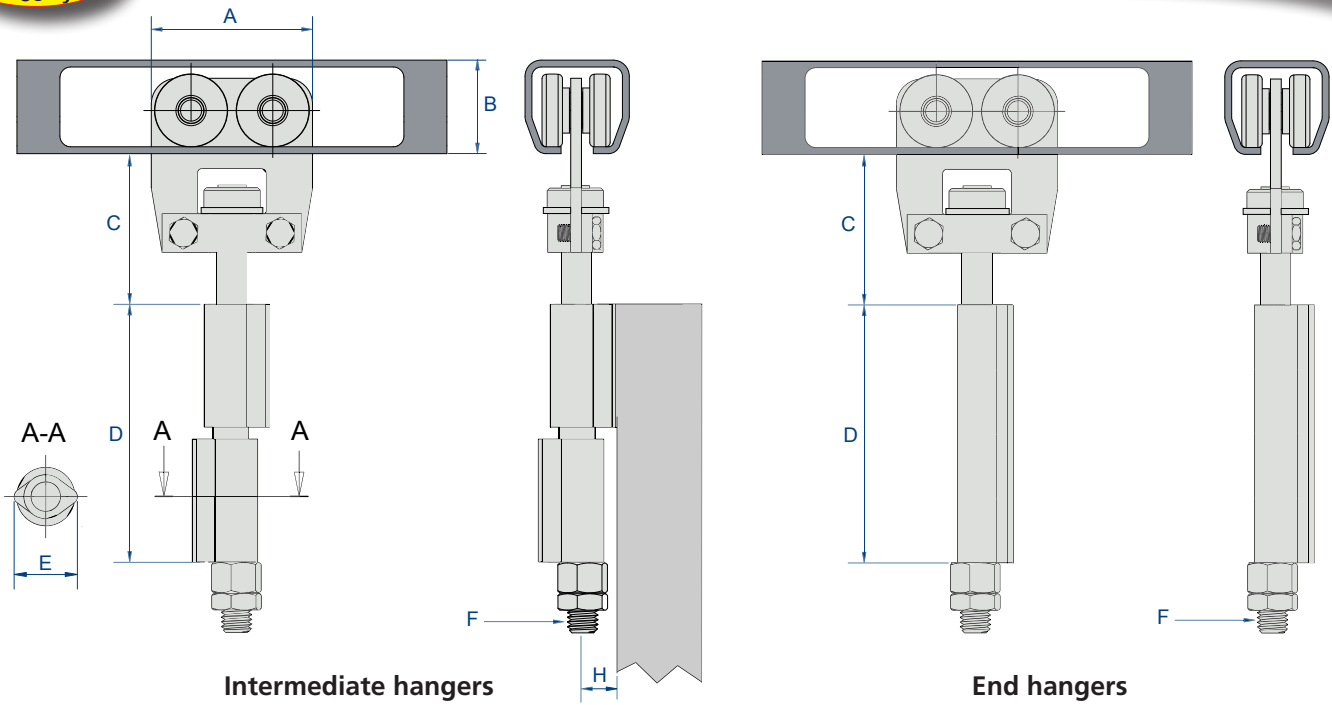
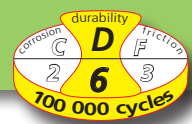
See on p. 32

DID YOU KNOW ?



HIGH LIMIT ELASTICITY STEEL:

To ensure the highest possible quality in our products, Manton rolls HLE (High Limit of Elasticity) steels also used in the automotive industry. This process requires complete mastery of rolling techniques. It results in a track, that is thinner and thus lighter and more resistant to wear.

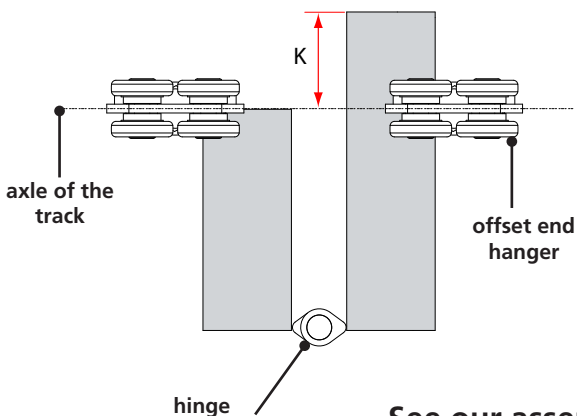


Item Nr	A	B	C		D	E	F	H
			Min.	Max.				
9512SO	50	28	40	60	80	22	M 10	11
9512SOE								
9532SO	62	35	49	69	85	24	M 12	12
9532SOE								
9542SO	75	43.5	60	92	120	30	M 14	15
9542SOE								
9552SO	100	60	121	146	120	34	M 16	17
9552SOE								
9562SO	124	75	118	144	120	34	M 16	17
9562SOE								

DOOR WITH NO SERVICE DOOR:

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

Item Nr	K dimension
9512E	30
9532E	44
9542E	55
9552E	64
9562E	64

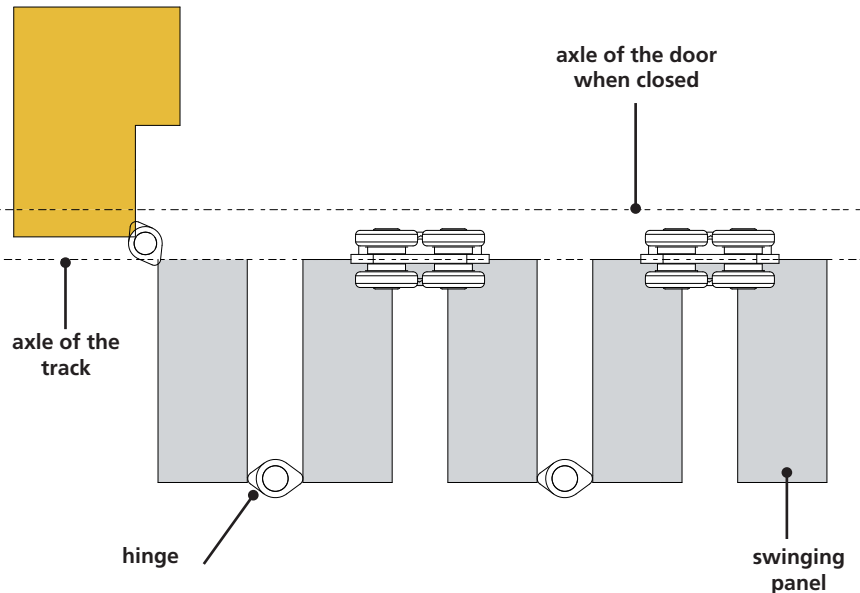


CROSS SECTION, TOP VIEW:

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 9500 Series.

The swinging panel can be blocked:
- by a bar (opening from the inside only)
- by a lock



See our assembling recommendations on p.30

CAPACITY / HANGER: 500 kg max.

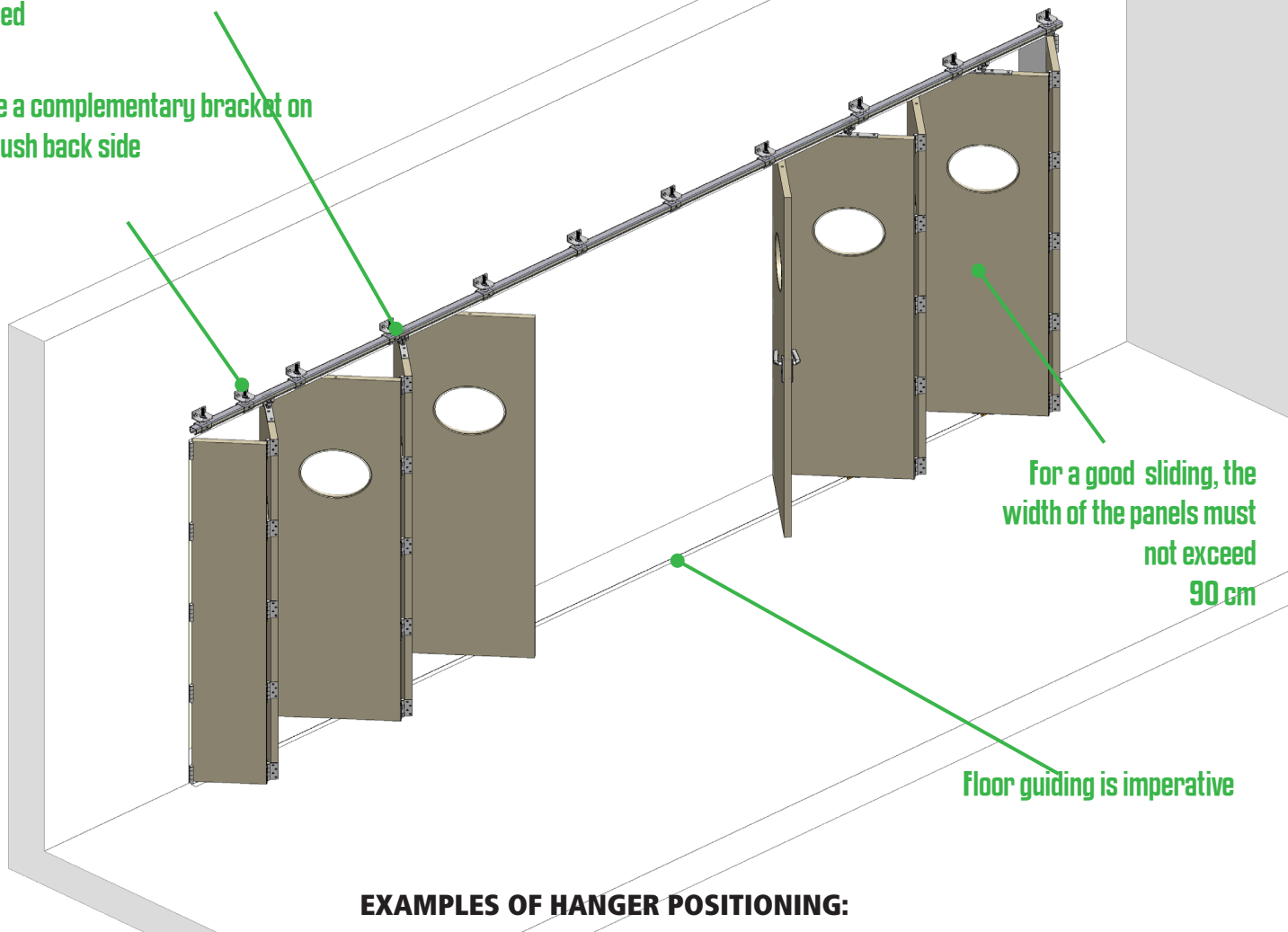
TRACK: 9010 to 9060

MOTION: FOLDING

- **Complete range:**
 - 5 systems up to 500 Kg / panel
 - up to 0.90 m panel width
 - 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, industrial buildings ...)

The axle of the upper hangers and of the bottom guides must be perfectly aligned

Place a complementary bracket on the push back side



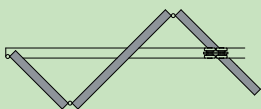
For a good sliding, the width of the panels must not exceed 90 cm

Floor guiding is imperative

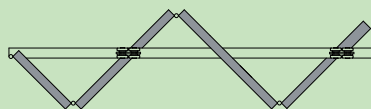
EXAMPLES OF HANGER POSITIONING:

For doors without a folding panel:

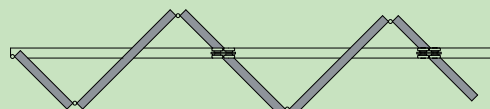
2 panels 1/2



3 panels 1/2



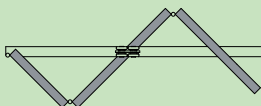
4 panels 1/2



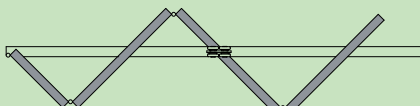
Fix the first hanger in the middle of the first panel starting without the side opposite to the frame, and then a hanger every second panel.

For doors with a folding panel:

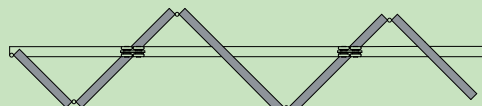
2 panels 1/2



3 panels 1/2



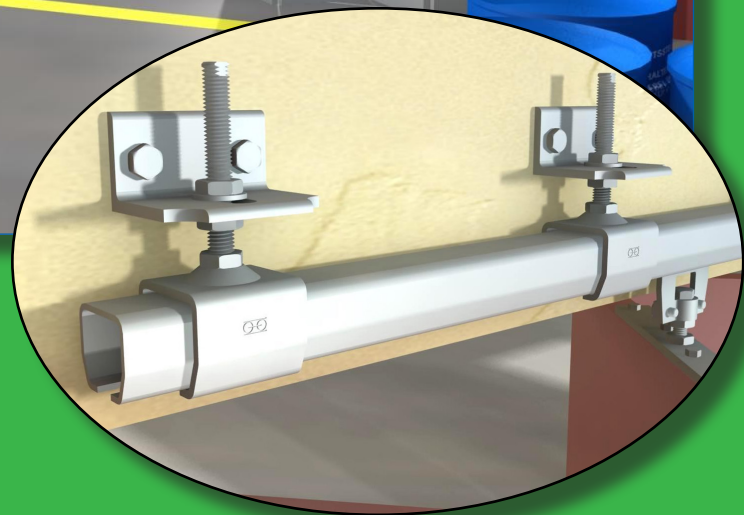
4 panels 1/2



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

9600 Series



HANGER CAPACITY 40 Kg Track: 9010

Item Nr	Fig.	Description	
9613	1	Swivelling hanger, with a Ø M10 axle, steel wheels - Capacity 40 Kg	2
9611	2	Swivelling end hanger, with a Ø M10 axle, steel wheels - Capacity 20 Kg	2
0036	3	Top-fixing screwing plate - Ø M10	
0037	6	Side-fixing screwing plate - Ø M10	
0031	7	Adjustable apron set for 25 to 35 mm panels - Ø M10	
1510C	8	Screwing hinge 80 x 60, with a Ø 10 axle, top-fixing	10
1510SO	11	Welding hinge - Height = 80 mm - Axle: Ø 10	4
1088	12	Bottom guide without plate for U profile 25 x 17 (1109) - Axle: M6	10
1102	14	Bottom guide on screwing plate for U profile 25 x 17 (Item Nr 1109)	20
1109	17	Galvanised U profile 25 x 17 - Available in 4, 5 and 6 m.	4
1109M	18	Jointing bracket for U profile 25 x 17 (Item Nr1109)	

HANGERS CAPACITY 75 Kg Track: 9030

9633	1	Swivelling hanger, with a Ø M12 axle, steel wheels - Capacity 75 Kg	2
9631	2	Swivelling end hanger, with a Ø M12 axle, steel wheels - Capacity 40 Kg	2
0056	3	Top-fixing screwing plate - Ø M12	
0051	7	Adjustable apron set for 40 to 50 mm panels - Ø M12	
1512C	9	Screwing hinge 85 x 85, with a Ø 12 axle, top-fixing, for woods of 35 mm thick	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) - Axle: M14	10
1099	15	Bottom guide on screwing plate for U profile 30 x 30 (Item Nr 1110)	10
1110	17	Galvanised U profile 30 x 30 - Available in 4, 5 and 6 m.	4
1110M	18	Jointing bracket for U profile 30 x 30	

HANGER CAPACITY 150 Kg Track: 9040

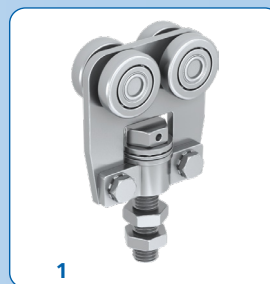
9643	1	Swivelling hanger, with a Ø M14 axle, steel wheels - Capacity 150 Kg	2
9641	2	Swivelling end hanger, with a Ø M14 axle, steel wheels - Capacity 75 Kg	2
0066	4	Top-fixing screwing plate - Ø M14	
0061	7	Adjustable apron set for 55 to 65 mm panels - Ø M14	
1514C	10	Screwing hinge 120 x 100, with a Ø 14 axle, top-fixing, for woods 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) - Axle: M14	10
1101	15	Reinforced bottom guide on screwing plate for U profile 30 x 30 (1110)	10
1110	17	Galvanised U profile 30 x 30 - Available in 4, 5 and 6 m.	4
1110M	18	Jointing bracket for U profile 30 x 30	

HANGER CAPACITY 300 Kg Track: 9050

9653	1	Swivelling hanger, with a Ø M16 axle, steel wheels - Capacity 300 Kg	2
9651	2	Swivelling end hanger, with a Ø M16 axle, steel wheels - Capacity 150 Kg	2
0086	4	Top-fixing screwing plate - Ø M16	
0081	7	Adjustable apron set for 55 to 75 mm panels - Ø M16	
1516C	10	Screwing hinge 120 x 100, with a Ø 16 axle, 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.	
1115M	18	Jointing bracket for U profile 50 x 60	

HANGER CAPACITY 500 Kg Track: 9060

9663	1	Swivelling hanger, with a Ø M16 axle, steel wheels - Capacity 500 Kg	2
9661	2	Swivelling end hanger, with a Ø M16 axle, steel wheels - Capacity 250 Kg	2
0086	4	Top-fixing screwing plate - Ø M16	
0081	7	Adjustable apron set for 55 to 75 mm panels - Ø M16	
1516C	10	Screwing hinge 120 x 100, with a Ø 16 axle, 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.	
1115M	18	Jointing bracket for U profile 50 x 60	



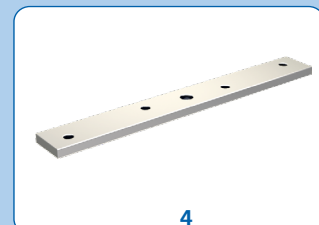
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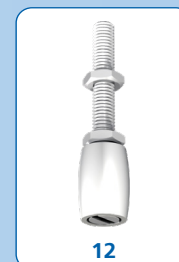
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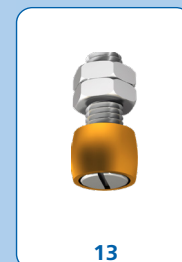
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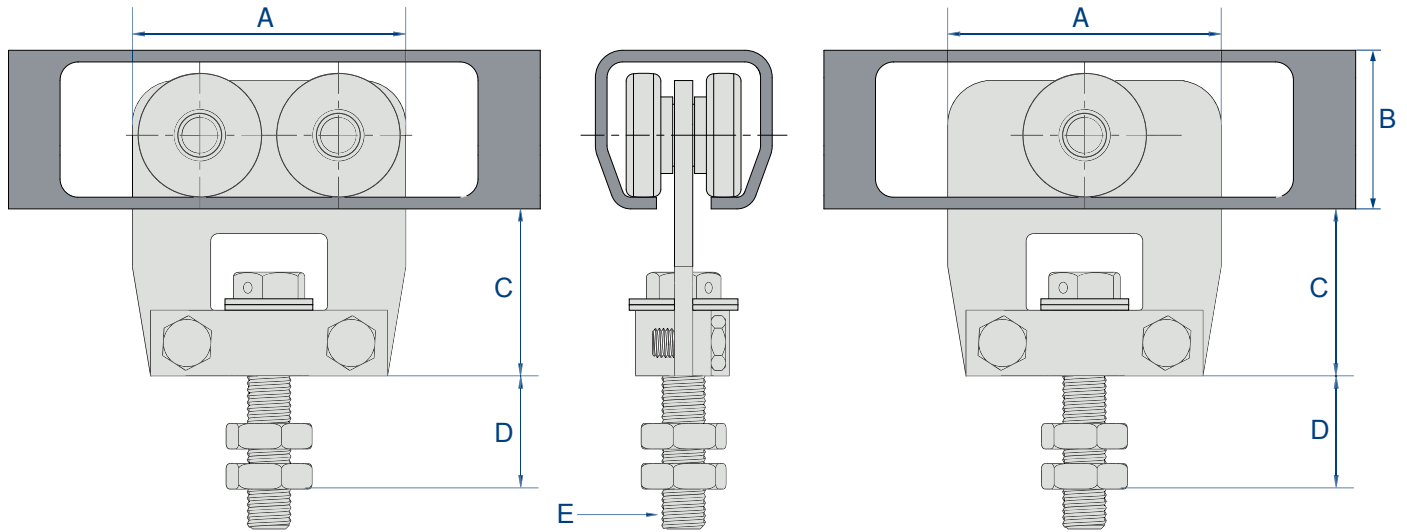
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17



18



Item Nr	A	B	C	D max.	Ø E
9613	50	28	34.5	33	M 10
9633	62	35	39	40	M 12
9643	75	43.5	45.5	37	M 14
9653	100	60	56	37	M 16
9663	124	75	59	37	M 16

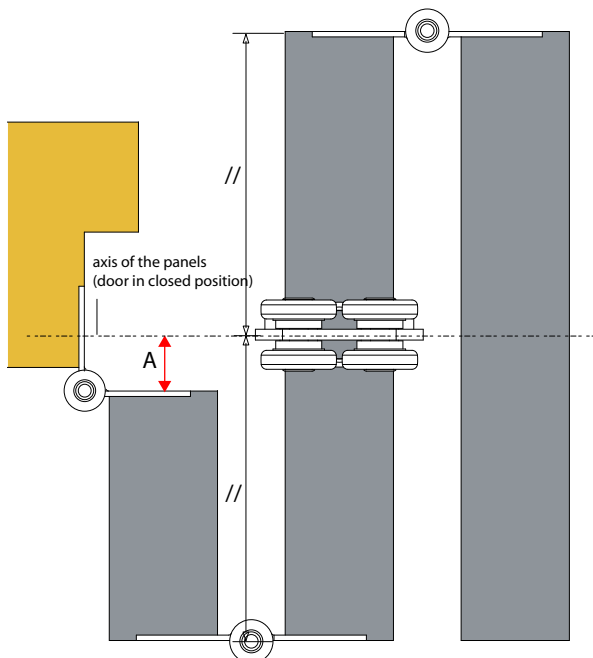
Item Nr	A	B	C	D max.	Ø E
9611	50	28	34.5	33	M 10
9631	62	35	39	40	M 12
9641	75	43.5	45.5	37	M 14
9651	100	60	56	37	M 16
9661	124	75	59	37	M 16

IMPORTANT RECOMMENDATION:

A = distance between the middle of the thickness of the half-panel and the axle 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:

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

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

Opening on one side only:

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

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

SPECIAL ITEMS

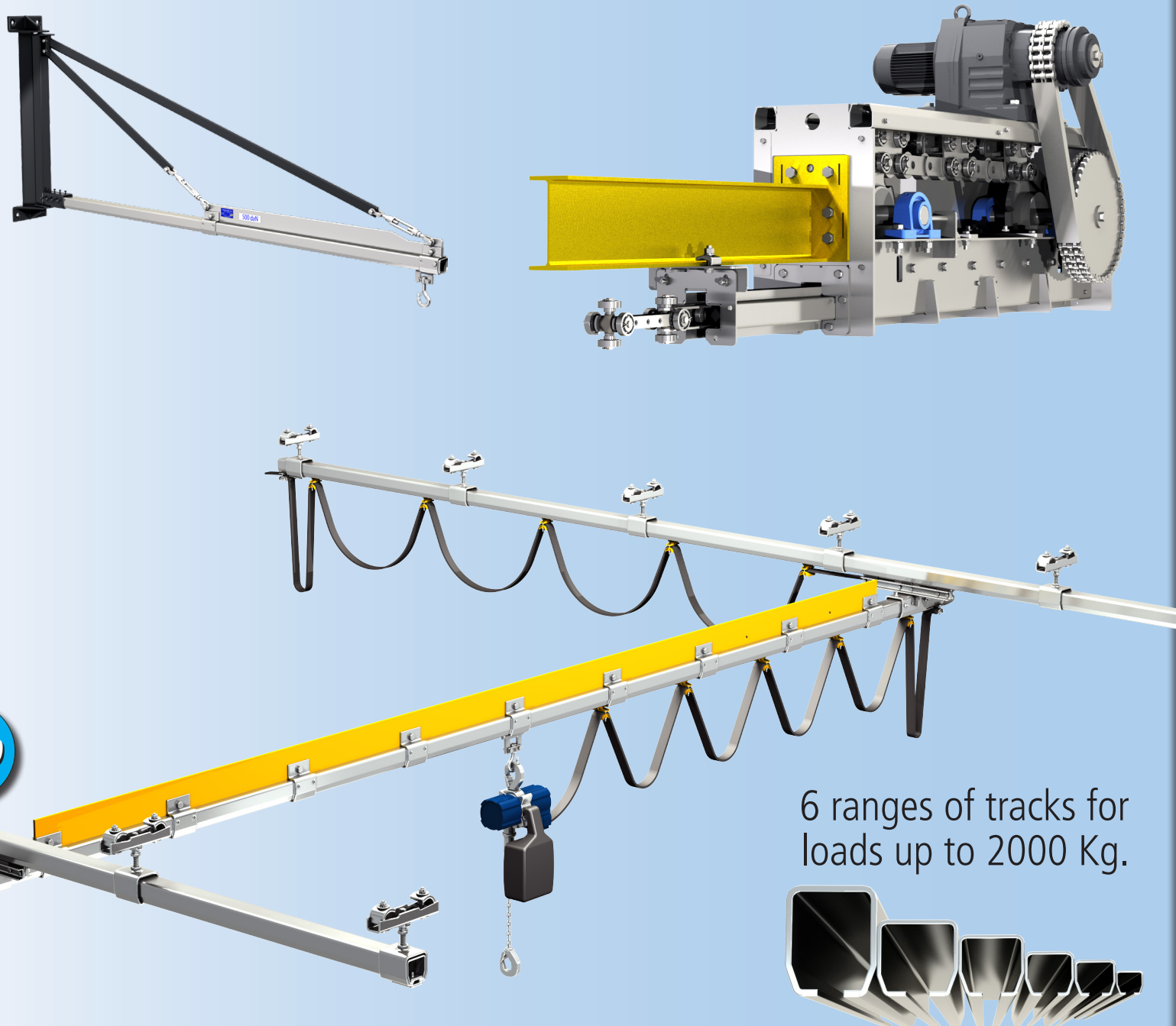
41

TROLLEYS with ball 41

STARAL (Aluminium range) 42-43



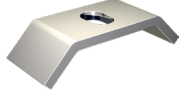

AIRSTOP (hermetic doors) 44-45

Mantion this is also:
a wide range of systems for handling.



6 ranges of tracks for loads up to 2000 Kg.

TROLLEYS WITH BALLS

Item Nr	Fig.	Ø screw	Capacity/ trolley				
				Track	Apron set	Welding plate	Screwing plate

9831RT	1	M 12	20 Kg	9030	0051	0055	0056
9841RT		M 16	35 Kg	9040	0081	0085	0086
9851SRT		M 20	100 Kg	9050	-	0085S	0086S
9861SRT		M 24	200 Kg	9060	Direct fixing		

9832RT	2	M 12	40 Kg	9030	0051	0055	0056
9842RT		M 16	70 Kg	9040	0081	0085	0086
9852SRT		M 20	200 Kg	9050	-	0085S	0086S
9862SRT		M 24	400 Kg	9060	Direct fixing		



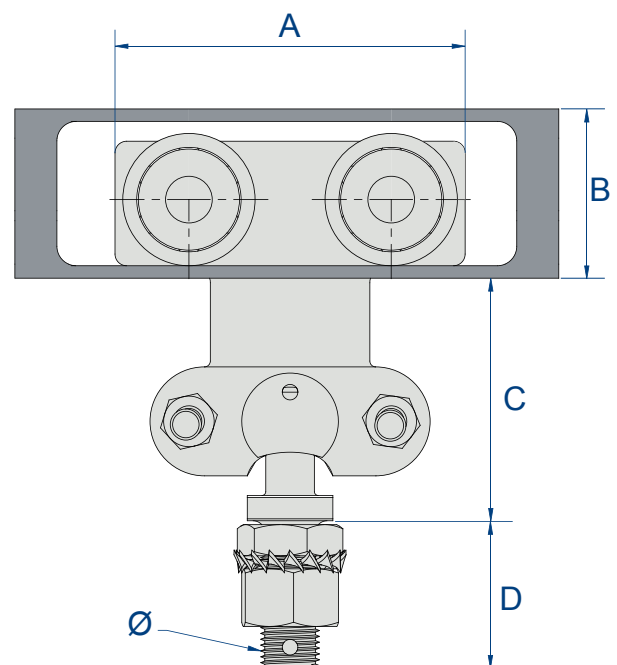
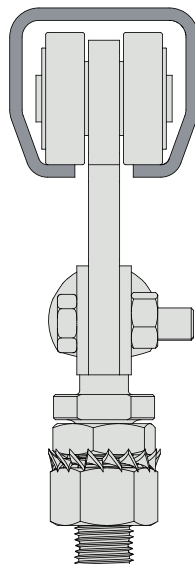
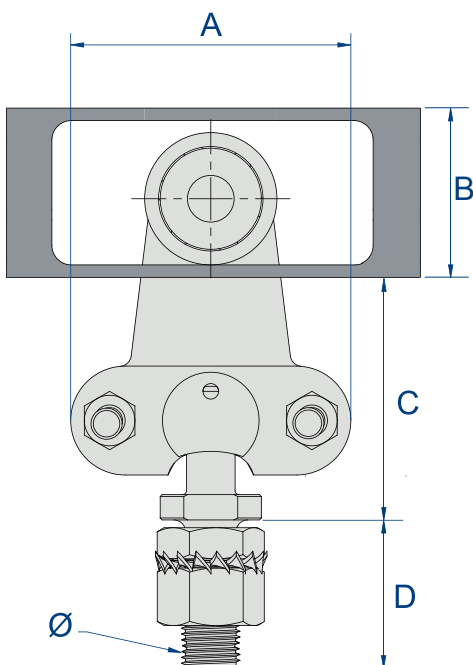
1

Item Nr	A	B	C	D	Ø
9831RT	68	35	71	32	M 12
9841RT	72	43.5	82	41	M 16
9851SRT	98	60	114	50	M 20
9861SRT	120	75	132	65	M 24

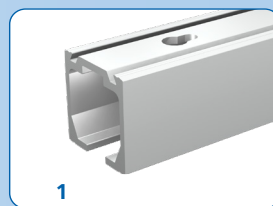


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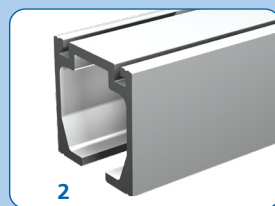
Item Nr	A	B	C	D	Ø
9832RT	67	35	71	33	M 12
9842RT	90	43.5	82	41	M 16
9852SRT	112.5	60	114	50	M 20
9862SRT	120	75	132	65	M 24



FOR DOORS OF 60 Kg			Track: 10108
Item Nr	Fig.	Description	
10100/600	1	Aluminium track 32.4 x 30.5 - 6 m long.	6
9212N	3	Hanger with swanneck, 4 wheels mounted on ball bearings with Nylon binding - axle: Ø M10	2
9215N	4	Ditto with removable collar - axle: Ø M10	2
0036	5	Screwing plate, top-fixing Ø M10	
0031	8	Adjustable apron set for 25 to 35 mm panels	
9118	9	Ornamental stop	10
10013	11	Sliding angle plate for the wall-fixing of the track 10108	10
FOR DOORS OF 120 Kg			Track: 10312
10300/600	1	Aluminium track 39 x 39 - 6 m long.	6
9232N	3	Hanger with swanneck, 4 wheels mounted on ball bearings with Nylon binding - axle: Ø M12	2
9235N	4	Ditto with removable collar - axle: Ø M12	2
0056	5	Screwing plate, top-fixing Ø M12	
0055	7	Welding plate, side-fixing Ø 13	
0051	8	Adjustable apron set for 40 to 50 mm panels	
9138	9	Ornamental stop	10
9139	10	Stop	12
10033	11	Sliding angle plate for the wall-fixing of the track 10312	10
FOR DOORS OF 200 Kg			Track: 10400
10400/600	2	Aluminium track 51.5 x 47.5 - 6 m long. (also available in 4m & 5m)	
9242N	3	Hanger with swanneck, 4 wheels mounted on ball bearings with Nylon binding - axle: Ø M14	2
9245N	4	Ditto with removable collar - axle: Ø M14	2
0066	6	Screwing plate, top-fixing Ø M14	
0065	7	Welding plate, side-fixing Ø 15	
0061	8	Adjustable apron set for 55 to 65 mm panels	
9148	9	Ornamental stop	10
9149	10	Stop	8
10043	12	Sliding angle plate for the wall-fixing of the track 10400	
10043M	13	Sliding jointing bracket for the wall-fixing of the track 10400	
10044	14	Sliding bracket for the top-fixing of the track 10400	
10044M	15	Sliding jointing bracket for the top-fixing of the track 10400	
FOR DOORS OF 400 Kg			Track: 10500
10500/600	2	Aluminium track 72 x 64 - 6 m long. (also available in 4m & 5m)	
9252N	3	Hanger with swanneck, 4 wheels mounted on ball bearings with Nylon binding - axle: Ø M16	2
9255N	4	Ditto with removable collar - axle: Ø M16	2
0086	6	Screwing plate, top-fixing Ø M16	
0085	7	Welding plate, side-fixing Ø 17	
0081	8	Adjustable apron set for 55 to 75 mm panels	
9158	9	Ornamental stop	4
9159	10	Stop	2
10053	12	Sliding angle plate for the wall-fixing of the track 10500	
10053M	13	Sliding jointing bracket for the wall-fixing of the track 10500	
10054	14	Sliding bracket for the top-fixing of the track 10500	
10054M	15	Sliding jointing bracket for the top-fixing of the track 10500	
FOR DOORS OF 600 KG			Track: 10600
10600/600	2	Aluminium track 90.5 x 79.5 - 6 m long.	
9262N	3	Hanger with swanneck, 4 wheels mounted on ball bearings with Nylon binding - axle: Ø M16	2
9265N	4	Ditto with removable collar - axle: Ø M16	2
0086	6	Screwing plate, top-fixing Ø M16	
0085	7	Welding plate, side-fixing Ø 17	
0081	8	Adjustable apron set for 55 to 75 mm panels	
10610	16	Ornamental stop	4
9169	10	Stop	2
10063	12	Sliding angle plate for the wall-fixing of the track 10600	
10063M	13	Sliding jointing bracket for the wall-fixing of the track 10600	
10064M	15	Sliding jointing bracket for the top-fixing of the track 10600	



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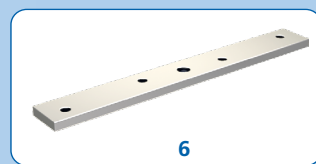
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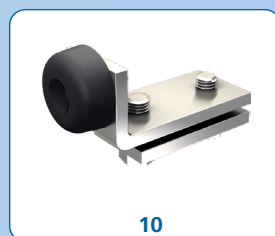
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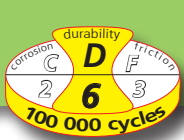
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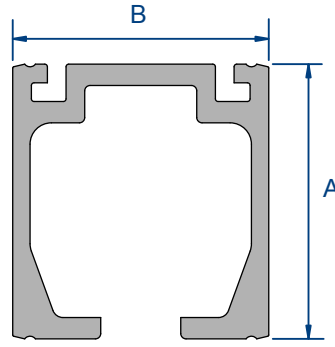
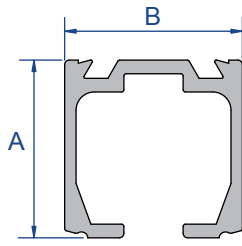
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Item Nr	A	B
10100	32.4	30.5
10300	39	39



Item Nr	A	B
10400	51.5	47.5
10500	72	64
10600	90.5	79.5

Fig.	Dim.	10100/600	10300/600	10400/600	10500/600	10600/600
			10013*	10033*	10043**	10053**
	A	40	40	65	90	110
	B	15	20	25	30	40
	C	25	25	45	70	80
	Ød	5	5	6.5	8.5	10.5
				10043M	10053M	10063M
	A			130	180	220
	B			25	30	40
	C			110	160	190
	Ød			6.6	8.5	10.5
				10044	10054	
	A			65	90	
	B			127	158	
	C			6	8	
	Ød			12	16	
	D			24	26	
	E			18	21	
				10044M	10054M	10064M
	A			130	180	220
	B			127	158	190
	C			6	8	10
	Ød			12	16	21
	D			24	26	31
	E			18	21	25

All our hangers are equipped with ball bearings with Nylon binding. They can be used, without any restriction, with every version of our steel tracks, whose dimensions are corresponding to the aluminium tracks dimensions. The following board indicates the tracks correspondence. The hangers can be used with these tracks, but must not exceed the indicated loads.

Aluminium tracks	Steel tracks	Hangers with Nylon binding		
10100/600	9010	9212N	9215N	30 kg/hanger
10300/600	9030	9232N	9235N	60 kg/hanger
10400/600	9040	9242N	9245N	100 kg/hanger
10500/600	9050	9252N	9255N	200 kg/hanger
10600/600	9060	9262N	9265N	300 kg/hanger

TUBULAR TRACKS

Item Nr	Description	
---------	-------------	---

9010/600	Galvanised track 28 x 30 mm, 6 m long	4
9010N/600	Ditto untreated (plain track)	
9010X/600	Ditto in STAINLESS STEEL	

9030/300	Galvanised track 35 x 40 mm, 3 m long	
9030/600	Ditto - 6 m long	
9030N/600	Ditto untreated (plain track)	
9030X/600	Ditto in STAINLESS STEEL	

9040/300	Galvanised track 43.5 x 48.5 mm, 3 m long	
9040/400	Ditto - 4 m long	
9040/600	Ditto - 6 m long	
9040N/600	Ditto untreated (plain track)	
9040X/600	Ditto in STAINLESS STEEL	

9050/300	Galvanised track 60 x 65 mm, 3 m long	
9050/600	Ditto - 6 m long	
9050N/600	Ditto untreated (plain track)	

9060/300	Galvanised track 75 x 80 mm, 3 m long.	
9060/600	Ditto - 6 m long	
9060/900	Ditto - 9 m long	
9060N/600	Plain track (untreated) - 6 m long	

9070/600	Galvanised track 110 x 90 mm, 6 m long	
9070/900	Ditto - 9 m long	
9070N/600	Plain track (untreated) 110 x 90 mm, 6 m long	
9070N/900	Ditto - 9 m long	

TUBULAR TRACKS CURVES

9010C	Galvanised curve 9010 - Radius = 500 mm.	
9030C	Galvanised curve 9030 - Radius = 600 mm.	
9040C	Galvanised curve 9040 - Radius = 600 mm.	
9050C	Galvanised curve 9050 - Radius = 600 mm.	
9060C	Galvanised curve 9060 - Radius = 800 mm.	
9070C	Galvanised curve 9070 - Radius = 1000 mm.	

U PROFILES FOR GUIDING

1109/400	Galvanised U profile 25 x 17 mm, 4 m long	4
1109/500	Ditto - 5 m long	4
1109/600	Ditto - 6 m long	4
1110/400	Galvanised U profile 30 x 30 mm, 4 m long	4
1110/500	Ditto - 5 m long	4
1110/600	Ditto - 6 m long	4
1115/600	Galvanised U profile 50 x 60 mm, 6 m long	

U PROFILES CURVES FOR GUIDING

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	9010	9030	9040	9050	9060 / 9070
Ornamental stop	9118	9138	9148	9158	
Track stop		9139	9149	9159	9169

see dimensions on p. 8



Tubular tracks



Tubular track curve



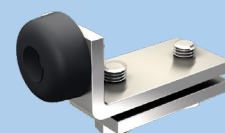
U profile



U profile curve



Ornamental stop



Track stop



➔ «MAGNESIUM ZINC» : THE MANTION ADVANTAGE:

In the building industry, most products have a Z275 zinc protection: resistance to salt spray and red rust: 200 h

For optimal quality, all the Mantion profiles are coated with magnesium zinc (without chromium) in order to preserve all the qualities to all weather: resistance to salt spray and red rust: 800 h !!!!

➔ DIP-GALVANIZING:

Mantion tracks are dip-galvanized (Sendzimir).

Apart from the reinforced density of the galvanizing, this technique is the only way to uniformly protect all parts of the track (including the interior part).

➔ GALVANIZING PROPERTIES:

Zinc has the property of regenerating itself by surface recovering if it is altered, e.g: scraped or scratched. Thus, a track, after being scratched or cut recovers its protection entirely through galvanization. The MANTION treatment: Sendzimir Z350 process allows recovering of up to 2 mm recovering.

➔ HIGH LIMIT ELASTICITY STEEL:

To ensure the highest possible quality in our products, Mantion rolls HLE (High Limit of Elasticity) steels also used in the automotive industry. This process requires complete mastery of rolling techniques. It results in a track, that is thinner and thus lighter and more resistant to wear.

➔ MANTION ROLLING:

Mantion is the only hardware manufacturer which rolls all its tracks. This ensures a perfect design and compatibility of the complete systems. Thanks to this process, Mantion can offer steel tracks with a High Limit of Elasticity.

➔ MANTION AND ITS TEST LABORATORY:

Mantion, which always focuses on the quality of its products, has one of the biggest test laboratories for sliding systems in Europe. 5 test stands enable Mantion to assay the endurance of all its sliding systems in order to comply with the requirements of the ISO 9001 standard.

➔ TRACKS AND CURVES IN SPECIAL LENGTHS:

Mantion offers you the possibility to order tracks and special curves cut at the required length. Contact us.

SLIDSOFT® : online configurator

discover SLIDSOFT® on WWW.MANTION.COM



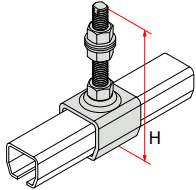

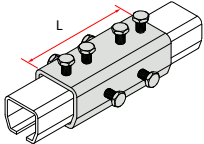

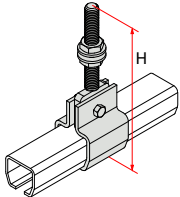
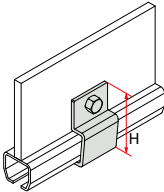

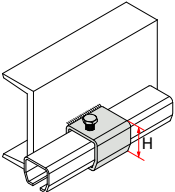

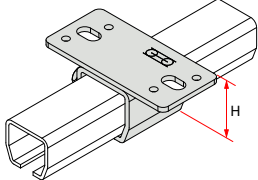

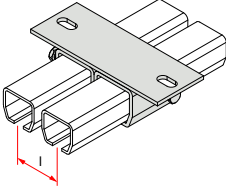

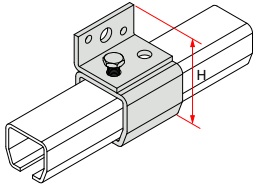

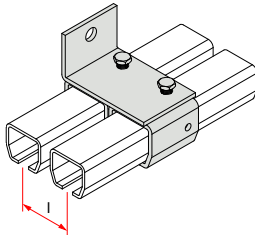


SlidSoft

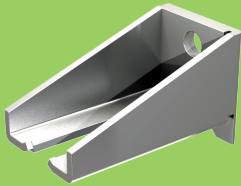

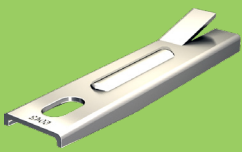


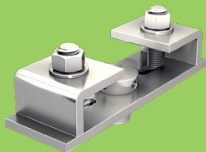
match up your projects

Your personalised **sliding solution** online and adapted to your needs!



	Tubular tracks:	9010	9030	9040	9050	9060	9070	
	Description	Item Nr						Use
	Fixing bracket with long rod	9011L H = 131 M 10	9031L H = 155 M 14	9041L H = 164 M 14	9051L H = 207 M 20	9061L H = 222 M 20	9071L H = 320 M 30	
	Jointing bracket	9011M L = 90	9031M L = 115	9041M L = 135	9051M L = 160	9061M L = 205	9071M L = 220	
	Clamping bracket with normal rod.		9032 H = 189 M 14	9042 H = 198 M 14	9052 H = 249 M 20	9062 H = 265 M 20	9072 H = 390 M 30	
	Ditto without fixing rod	9012N H = 65	9032N H = 80	9042N H = 94.5	9052N H = 117	9062N H = 140	9072N H = 180	
	Bracket Welding type	9018 H = 36	9038 H = 43	9048 H = 53	9058 H = 79	9068 H = 96	9078 H = 134	
	Top-fixing bracket Screwing type	9018H H = 39	9038H H = 47	9048H H = 59	9058H H = 86	9068H H = 106	9078H H = 146	
	Ditto - double		9038H2 l = 50	9048H2 l = 60	9058H2 l = 85			
	Bracket Wall fixing	9018V H = 61	9038V H = 71	9048V H = 93	9058V H = 129	9068V H = 156	9078V H = 204	
	Ditto - double		9038V2 l = 50	9048V2 l = 60	9058V2 l = 85			

All accessories are white galvanised

	TRACK	Item Nr	H		L		Ø drilling
			Min.	Max.	Min.	Max.	
 Wall fixing angle plate	9030	9046CFC	60		35	60	Ø12.5
	9040	9046CFC	60		35	60	Ø12.5
	9050	9056CFC	60		40	65	Ø16.5
	9030	9046CF	60		32	110	Ø12.5
	9040	9046CF	60		32	110	Ø12.5
	9050	9056CF	60		40	105	Ø16.5
	9060	9066	70		33	90	Ø20
	9070	9076	80		45	85	Ø21
	9030	9046CFL	60		35	130	Ø12.5
	9040	9046CFL	60		35	130	Ø12.5
9050	9056CFL	60		40	135	Ø16.5	
9060	9066L	70		33	150	Ø20	
 Angle plate - Screwing type	9010	9013	40		18	30	2x Ø6.5
	9030	9033	40		26	46	2x Ø9
	9040	9043	50		30	50	2x Ø11
	9050	8573S	70		42	62	2x Ø12.5 + Ø16.5
	9060	8573S	70		42	62	2x Ø12.5 + Ø16.5
 Fixing plate - Sealing type	9010	3532			63 ± 4		
	9030	6257			142 ± 5		
	9040	6257			142 ± 5		
	9050	8572			150 ± 4		
 Adjustment plate - Sealing type	9010	3535			69	145	
	9030	6260			181	262	
	9040	6260			181	262	
	9050	8575			186	314	
 Adjustment plate - Screwing type	9010	3536	50		26	90	4x Ø6.5
	9030	6261	80		32	143	4x Ø8.5
	9040	6261	80		32	143	4x Ø8.5
	9050	8576	90		40	179	4x Ø10.5
	9060	8576S	110		41	179	4x Ø10.5
 Adjustment plate - Screwing type	9010	3537	93	115	46	91	
	9030	6262	116	130	46	91	
	9040	6262	125	140	46	91	
	9050	8577	167	175	46	91	
	9060	8577	178	190	46	91	

➔ The capacity of the hanger must be determined by the door weight

➔ Stops must be equipped with a buffer and placed at mid-height of the door.

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

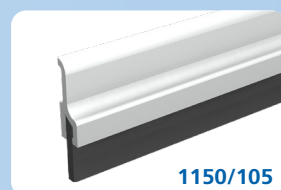
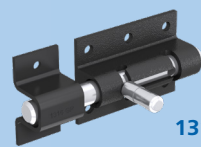
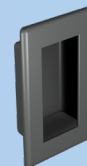
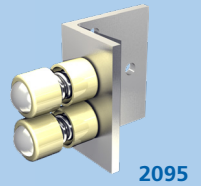
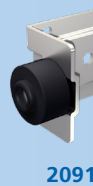
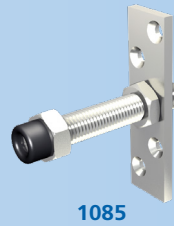
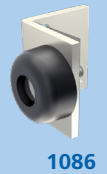
1301TN	Catch stop, cataphoresis treated, screwing type. Standard version	10
1302	Catch stop, raw steel. Reinforced version	4
1310N	Stopper in stainless steel «brush finish», Locking distance = 35 mm, height 140mm - width 40 mm	12
1311N	Stopper in stainless steel «brush finish», Locking distance = 35 mm, height 160mm - width 30 mm	
1312N	Stopper in ZAMAK, locking distance = 20mm, Height 135 mm - width 50 mm	
1314	Reinforced bolt with screwing plate Length: 300 mm - Ø 14 mm - adjustable nut	10
1314E	Ditto with a narrow plate (23 mm) Length: 300 mm - Ø 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 - adjustable nut	10
1316E	Ditto with a narrow plate (23 mm) Length: 500 mm - Ø 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
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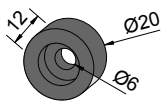
PULLEYS

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 - Ø groove: 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.	

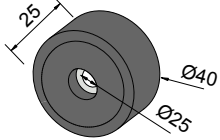


La pose d'une brosse (sur les bas et les côtés), apporte une étanchéité efficace aux portes coulissantes

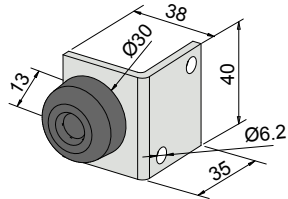




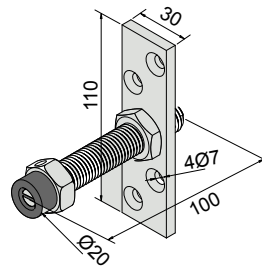
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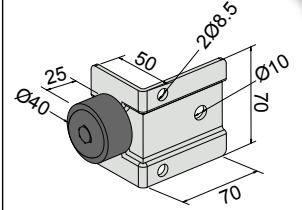
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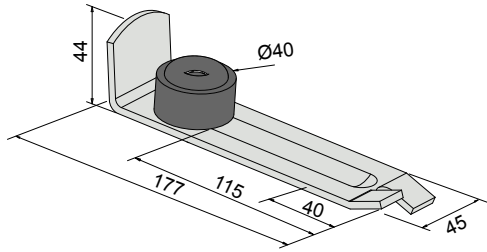
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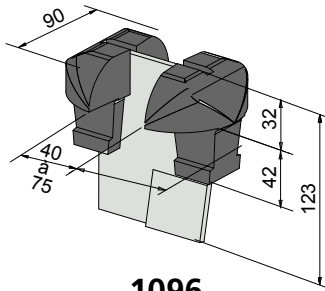
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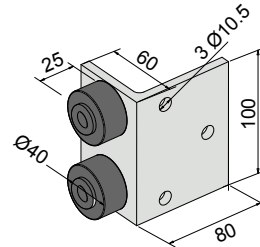
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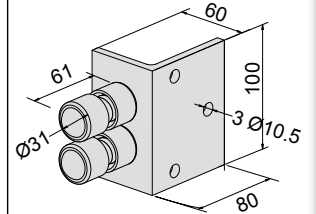
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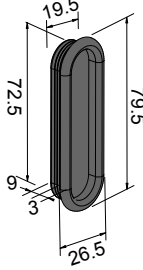
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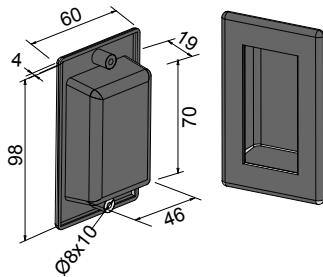
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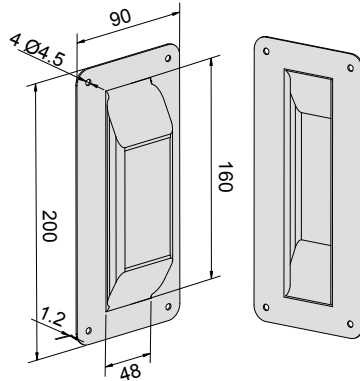
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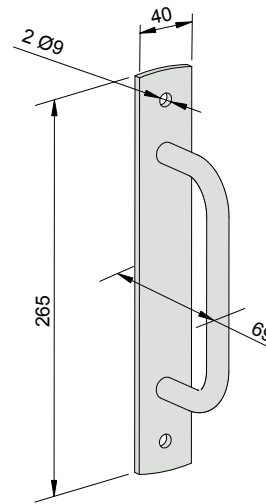
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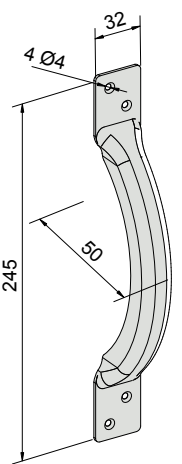
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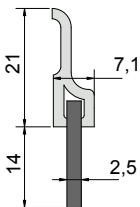
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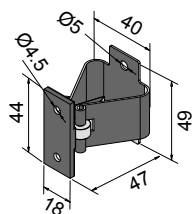
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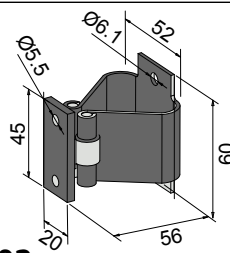
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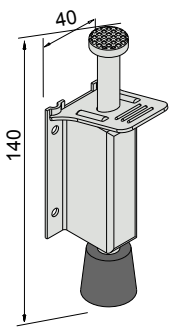
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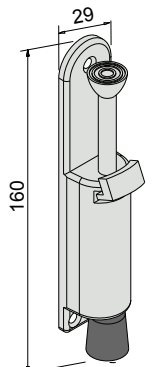
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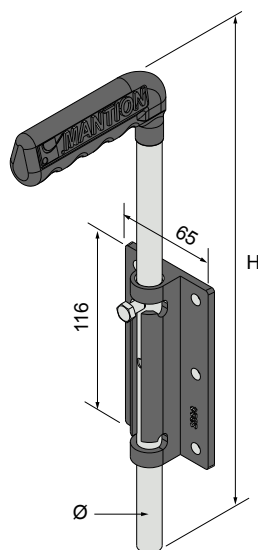
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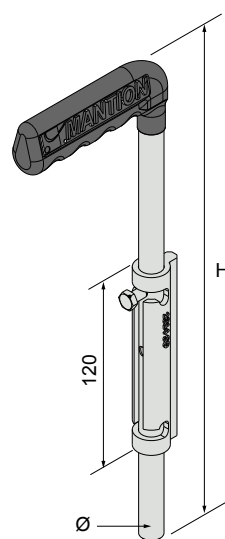
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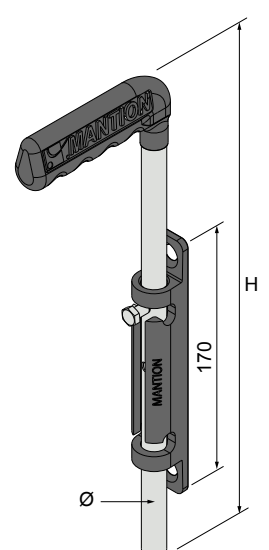
1311N



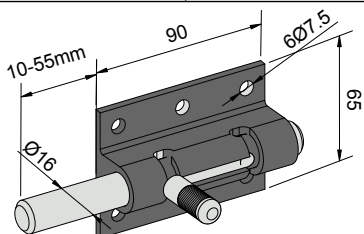
1314 - 1316



1314SO - 1316SO




1314E - 1316E





1316B

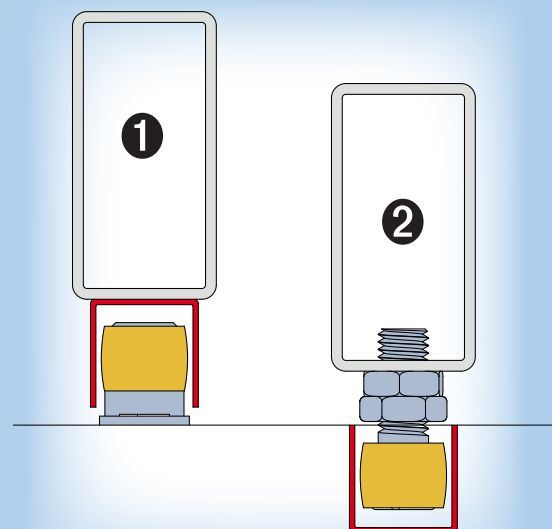
BOTTOM GUIDES

Item Nr	Description	
1090	Guide for vertical sealing with a zytel olive Ø 45 mm	10
1091	Guide for horizontal sealing with a zytel olive Ø 45 mm	4
1091V	Adjustable guide with a zytel olive Ø 45 mm. Screwing type	4
1092	Guide for horizontal sealing with 2 zytel olives Ø 45 mm	6
1092V	Adjustable guide with 2 zytel olives Ø 45 mm. Screwing type	6
1093	Zytel olive Ø 45 mm, height: 49.5 mm, for a 16 mm Ø axle	10
1059R	Adjustable guide, idem 1059 mounted on a threaded rod	
1088	Bottom guide with a nylon olive (mounted on roller cages), without plate. For U-profile 25 x 17 mm	10
1089	Bottom guide with a brass olive (mounted on roller cages), without plate. For U-profile 30 x 30 mm	10
1115KW	Bottom guide with a nylon olive, without plate. For U-profile 50 x 60 mm	
1109DU	Guide with dowel with a nylon olive for U-profile 25 x 17 mm	
1110DU	Ditto for U-profile 30 x 30 mm	
1115DU	Ditto for U-profile 50 x 60 mm	
1100	Bottom guide with a brass olive, with sealing type plate. For U-profile 30 x 30 mm	
1102	Bottom guide with a nylon olive on a round ended plate. Screwing type for U-profile 25 x 17 mm	20
1099	Ditto with brass olive for U-profile 30 x 30 mm	10
1101	Bottom guide with a brass olive, on a reinforced plate. Sealing type - For U-profile 30 x 30 mm	10
1059	Bottom guide with a nylon olive (monted on roller cages), 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	
1012N	Half shoe-guide in nylon for garage doors	20
1110GN	Guide in nylon, screwing type for U-profile 30 x 30 mm. L = 120 mm	8
1110GDL	Guide in delrin, screwing type for U-profile 30 x 30 mm. L = 99 mm	

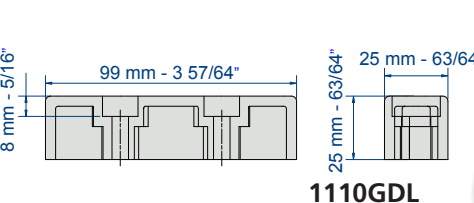
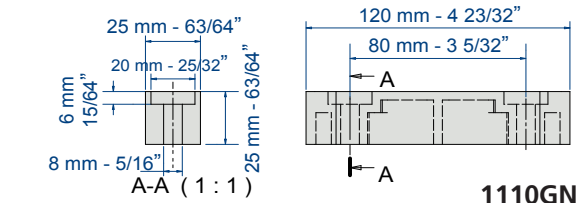
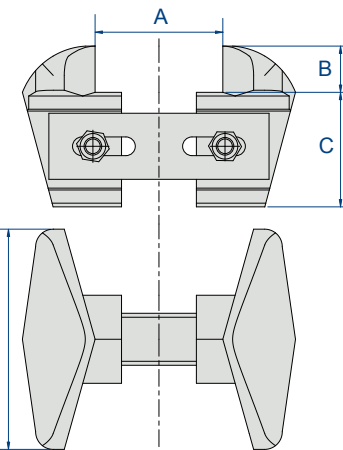
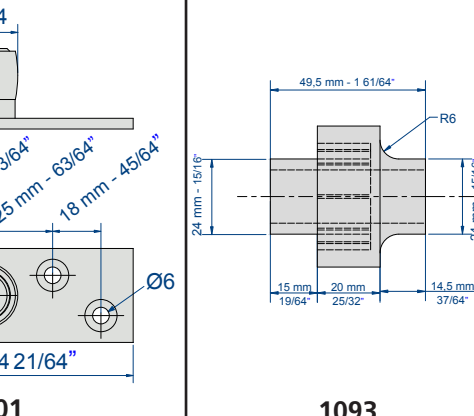
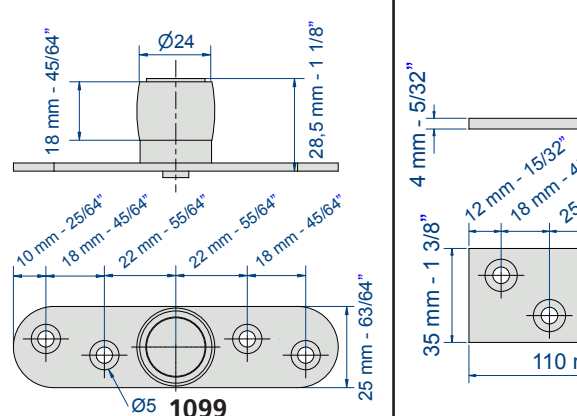
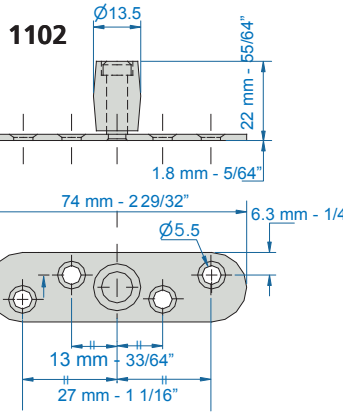
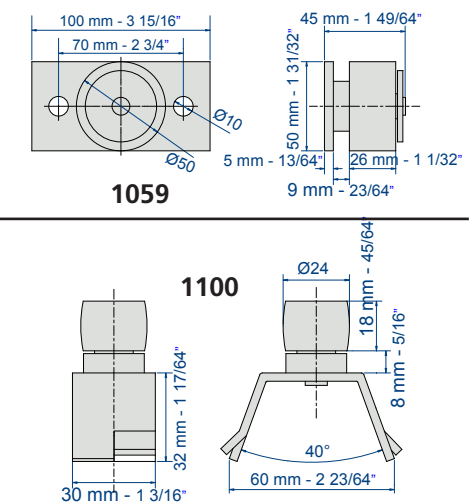
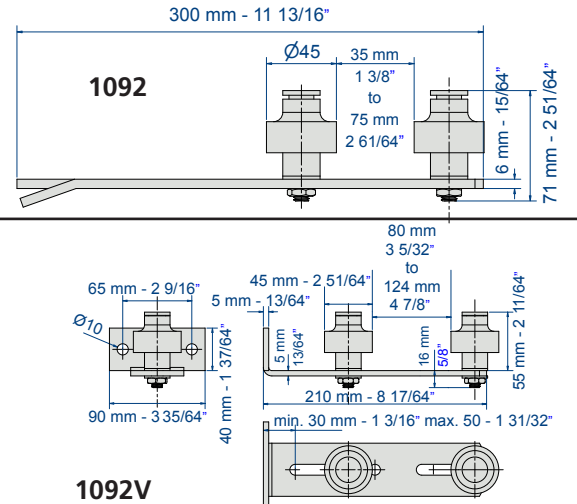
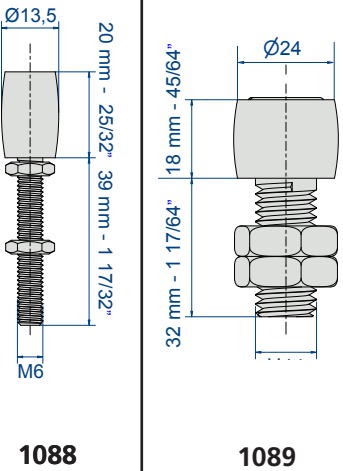
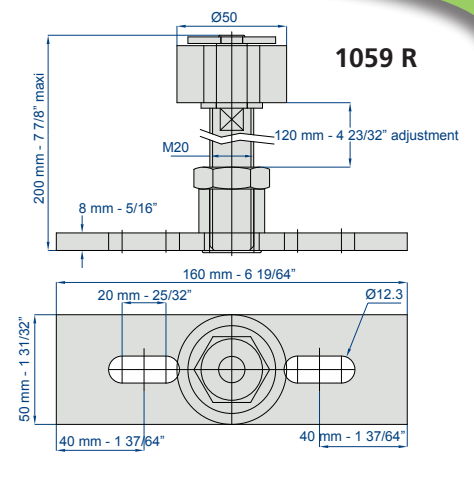
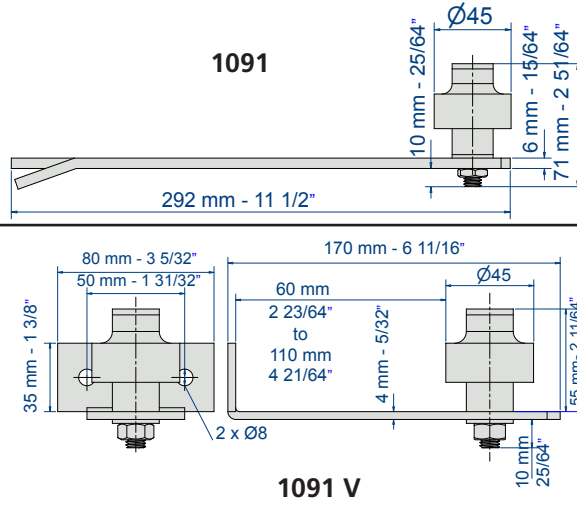
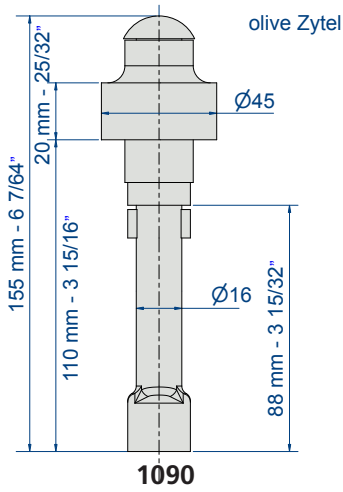


HOW TO CHOOSE THE RIGHT GUIDE TO YOUR U-PROFILE?

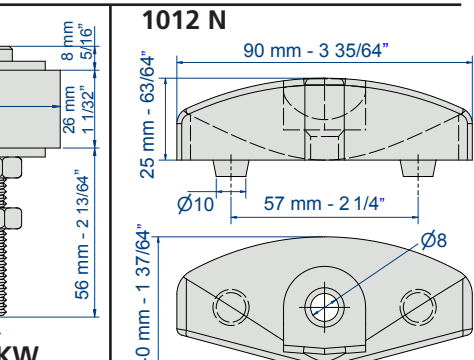
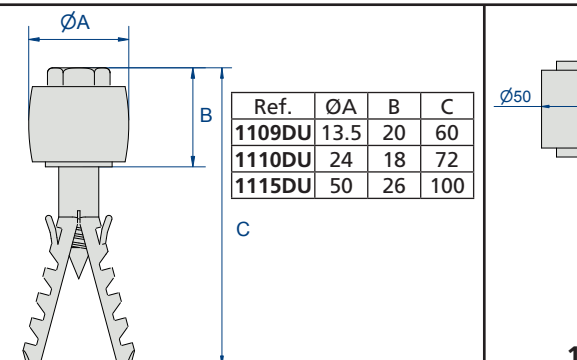
CHOICE OF THE GUIDE ACCORDING TO THE DOOR WEIGHT			
Door weight	U-profile	Recommended guides	
		① 	② 
from 0 to 90 Kg	1109	1102 - 1109DU	1088
from 90 to 180 Kg	1110	1099 - 1110GN - 1110DU	1089
from 180 to 400 Kg	1110	1101 - 1110GN - 1110DU	1089
from 400 to 900 Kg	1115	1059 - 1115DU	1115KW
from 900 to 2000 Kg	1115	1059	1115KW
from 2000 to 3000 Kg	1115	1059	1115KW

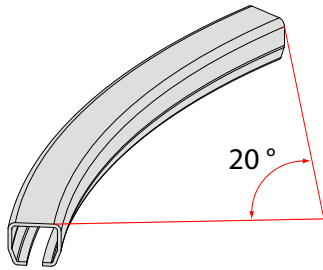


All U-profiles are available in 4 m, 5 m and 6 m length (see on p. 44)



Ref.	A		B	C	D
	Min	Max			
1011	21	43	20	33	72
1014	27	70	22	54	100

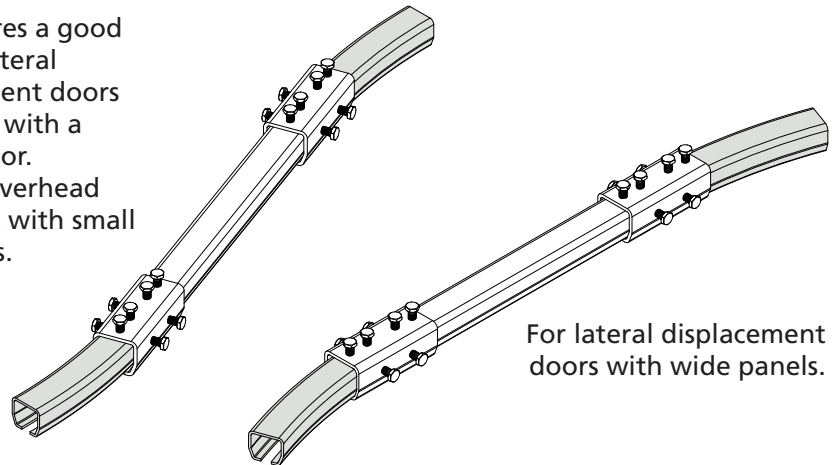




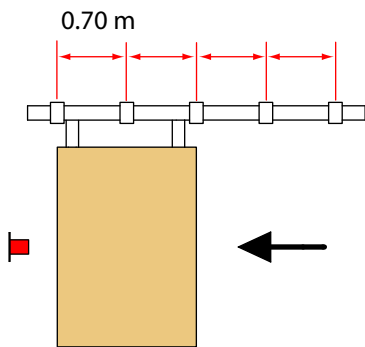
ASSEMBLY POSSIBILITIES OF THE CURVE SECTORS:

This ensures a good seal for lateral displacement doors equipped with a service door. Also for overhead conveyors with small deviations.

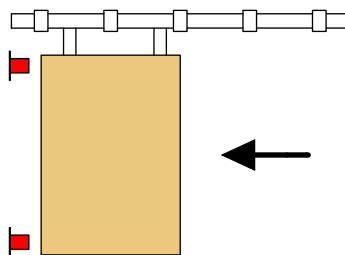
Curve sector		Radius
Track	Item Nr	
9010	9010 CS	500
9030	9030 CS	600
9040	9040 CS	600
9050	9050 CS	600
9060	9060 CS	800



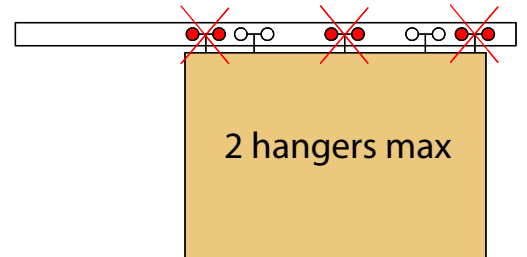
For lateral displacement doors with wide panels.



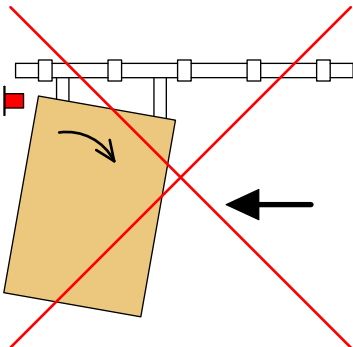
1 stop in the middle part



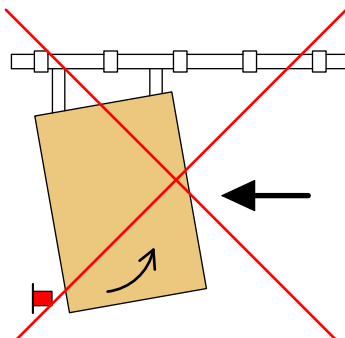
1 stop in the upper part
1 stop in the lower part



2 hangers max



1 stop in the upper part



1 stop in the lower part

BRACKETS:

To be placed approx. each 0.70 m

STOPS:

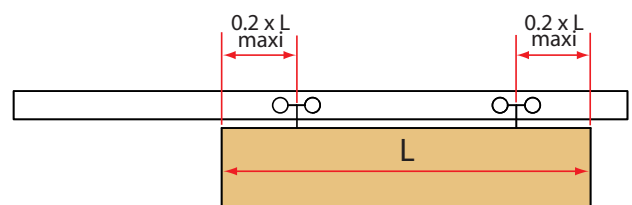
1 point: to be placed at mid-height of the door
2 points: 1 stop at the upper part and 1 at the lower part.
Other stop fixing positions are not recommended.

INSTALLATION AND MAINTENANCE:

Before the use of the doors, it is recommended to clean the inside of the tracks correctly and to grease them 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.

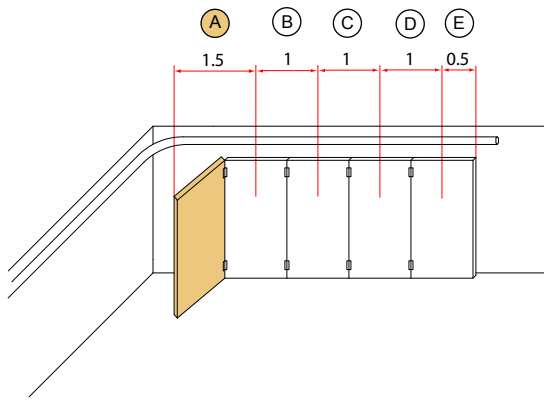
POSITION OF THE HANGERS:

In order to improve the stability of the straight sliding doors, the bigger the ratio height/width is, the closer to the door you should fix the hangers.



HOW TO CHOOSE THE TRACK:

For any types of doors for which we do not offer aluminium tracks, we strongly recommend the use of galvanised profiles. Their dimensions depend on the hangers, selected according to the panels weight.



Special case: lateral displacement doors.

Each hanger (B) (C) and (D) supports one panel. The end-hanger (E) supports the weight of a half-panel. Hanger (A) supports the service door and half of the next panel, i.e. 1.5 time the weight of 1 panel.

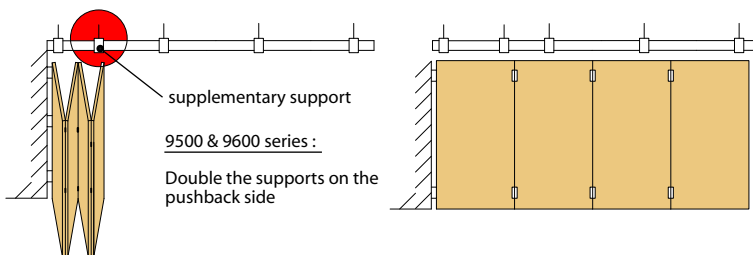
This means that for any lateral displacement door equipped with a service door, the capacity of each hanger will equal at least 1.5 times the weight of a panel.

Thanks to this logo , you will recognize MANTION tracks, this is a garanty of qua-

FIXING OF THE TRACK:

Before fixing the track, make sure that its dimensions are exactly the ones mentioned on page 8, especially the gap between the lower lips. If this dimension is not correct, adjust the track by narrowing or widening the gap.

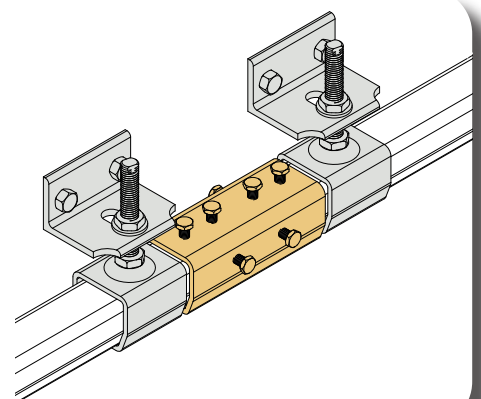
SPECIAL CASE: 9500 and 9600 series



On the pushback side, the load is such that it is necessary to insert a supplementary support between the first two.

JOINTING OF 2 TRACKS:

The jointing of 2 tracks can weaken an installation: it is essential to use a jointing bracket, reinforced on both sides by one support. This will ensure a perfect jointing of the tracks and reinforce the installation. Galvanised tracks must never be welded ; welding plain tracks is also strongly advised against. It always leads to internal tensions, strains and a shifting of the tracks which might also mean early wear of the hangers.





Sri Sharavi Beach Villas & Spa - SRI LANKA



City Walk - DUBAI



Pullman Hotel in Vung Tao - VIETNAM



JAKARTA



The address Boulevard - DUBAI



HAMAD school - BAHRAIN

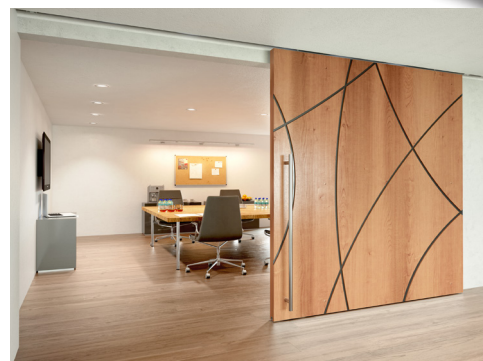
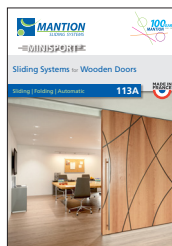


handling systems

Our range for INTERIOR DOORS 113A

Sliding systems for:

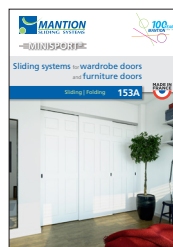
- folding doors
- partition doors
- pocket doors



Our range for WARDROBE DOORS 153A

Sliding systems for:

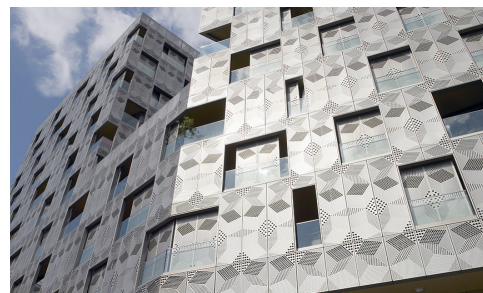
- furniture doors
- wardrobe doors



Our range for SHUTTERS 313A

Systems and motorizations for:

- sliding shutters
- folding shutters
- swinging shutters



Our range for GLASS DOORS 613A

Systems and motorizations for:

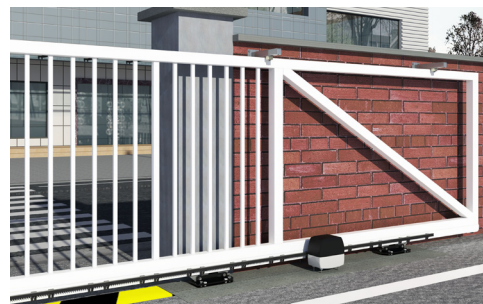
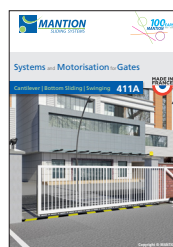
- partition doors
- pocket doors
- folding system for picture windows



Our range for GATES 411A

Systems and motorizations for:

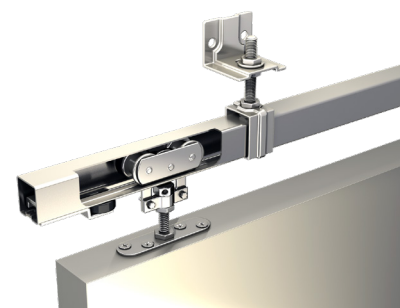
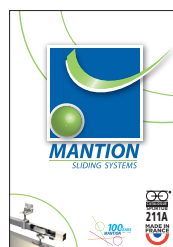
- canteliver gates
- bottom sliding gates
- gates mounted on pivots



Our range for SPORTUB® 211A

Sliding systems for:

- straight sliding doors up to 2000 Kg
- lateral displacement doors
- folding doors with equal panels
- folding doors with half panels
- up and over doors



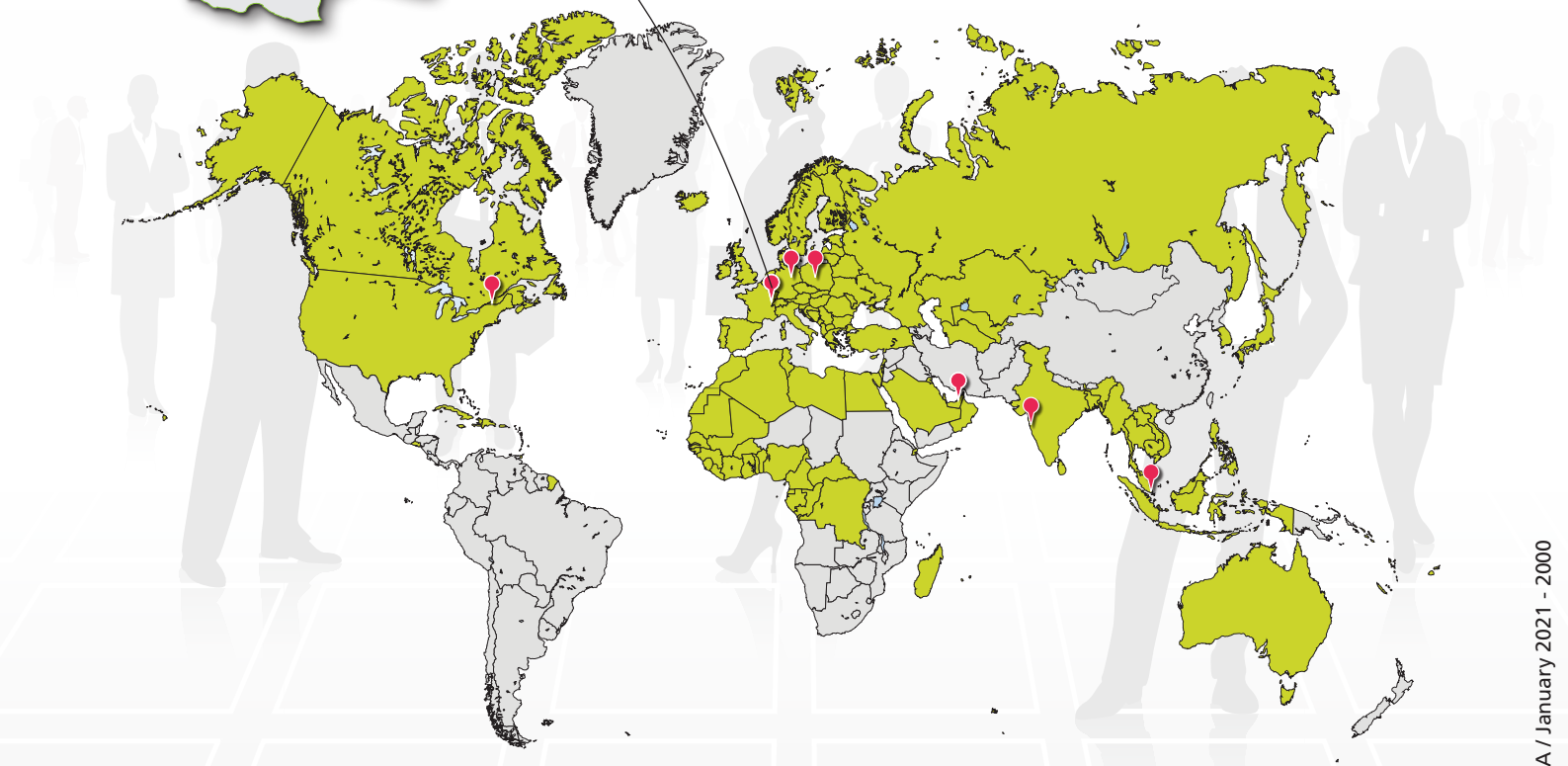


MANTION

SLIDING SYSTEMS



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