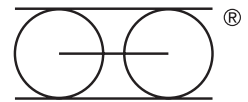
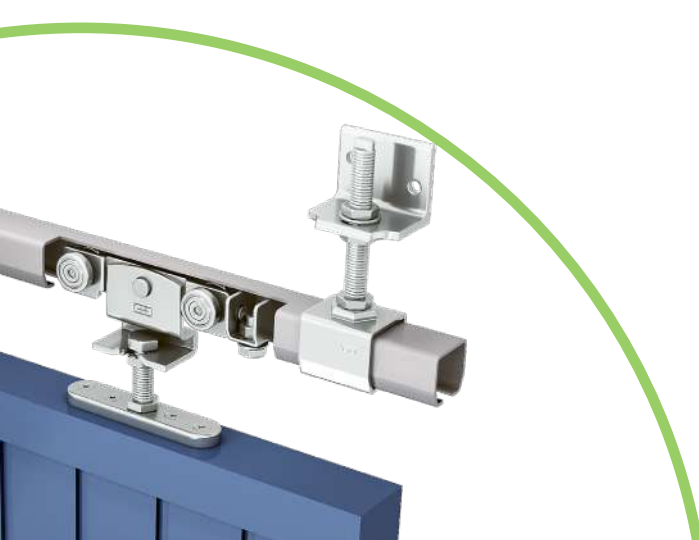




# **MANTION**

*SLIDING SYSTEMS*



**CATALOGUE  
HERCULE**

**911A**

MADE IN FRANCE  
SINCE 1920

## MANTION DESIGNER & MANUFACTURER sliding systems since 1920 w

For over a century, the MANTION® group has been developing by designing, manufacturing and selling sliding fittings for the building industry. Recognized today as one of the global leaders in our market, we always strive to anticipate and provide reliable and easy-to-use solutions for customer's private and professional environment.

### **MANTION enjoys an international reputation based on :**

- **Innovation and the constant adaptation** of its products to needs of its customers.
- **The quality of its products**, which comply with the most stringent market standards.

### **MANTION know-how is above all :**

- Its team: men and women with proven expertise who do their utmost to provide you with the best service, **the best service every day.**
- A policy of continuous investment combined with the use of the **latest technologies.**

### **A PASSION FOR THE PRODUCT:**

MANTION is located in Franche-Comté, a region of France historically very industrial and renowned for its mechanical precision watchmaking. Our teams are strongly influenced by this culture, who are constantly striving for excellence and technical innovation.



## THE SPECIALIST FOR SLIDING SYSTEMS

DESIGNER &  
MANUFACTURER  
SLIDING SYSTEMS  
SINCE 1920

MADE IN FRANCE  
SINCE 1920



### QUALITY TRACKS

**MANTION** manufactures its tracks at its Besançon plant, using its own processes, to ensure optimum durability and reliability of its hardware systems.



Group **MANTION** devotes a **significant proportion of its sales to innovation** each year, and a significant proportion of its **employees are dedicated to R&D**.

The **MANTION** group backs up this investment with a policy of international patent registration.

This policy of innovation enables the group to **regularly bring innovative products to the market, that anticipate needs or market expectations**.

## 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

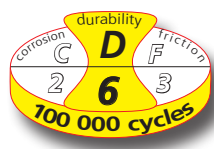
\* all our tests for doors weighing less than 120 kg were carried out on a portal frame:  
Height 2 m. & stroke 0.80 m.

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



\*\*

MADE IN FRANCE  
SINCE 1920



\*\* 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](http://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).

MADE IN FRANCE  
SINCE 1920



**MANTION®** 12 years\*  
guarantees  
the correct operation of its sliding systems

\* 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](http://www.mantion.com)

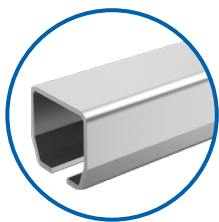
PLAY IT SAFE!  
INSTALL SETS



&



a **SPORTUB®**  
installation to  
**STANDARDS**  
&  
**GUARANTEE**



**TRACKS**  
original

+

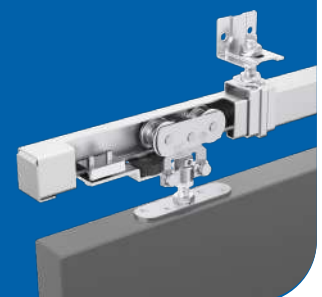


**ROLLERS**  
original

+



**ACCESSORIES**  
original



## ZINC MAGNESIUM

MANTION tracks have the best surface treatment on the market:  
**Zinc Magnesium (ZM)**

- The best corrosion resistance (up to 10 times better than galvanised steel)
- The best protection in particularly aggressive environments

**comparative salt spray\* test**  
thickness: 20 µm



**A Galvanised steel standard' profiles after 6 weeks**

Number of hours before appearance of 5% red rust

Corrosion resistance by salt spray test (average)  
ZM: > 200 h/µm - Aluzinc®: + 100 h/µm - ZA: + 25 h/µm  
Hot-dip galvanised: + 8-10 h/µm



**Zinc Magnesium MANTION profiles after 34 weeks**

**Self-repairing protection**  
of the Zinc Magnesium wafers  
thickness 2 mm



**6 months (galvanised steel)**  
30-40% red rust  
60% white rust



**16 months (Zinc Magnesium)**  
10% red rust  
70% white rust

Outdoor exhibition in Brest (in real conditions)  
CS5-M marine category - French Corrosion Institute

## Guarantee certificate

**MANTION S.A.S**

Guarantees a performance\* of

**12** years










on sliding systems for outdoor applications  
on the following ranges:

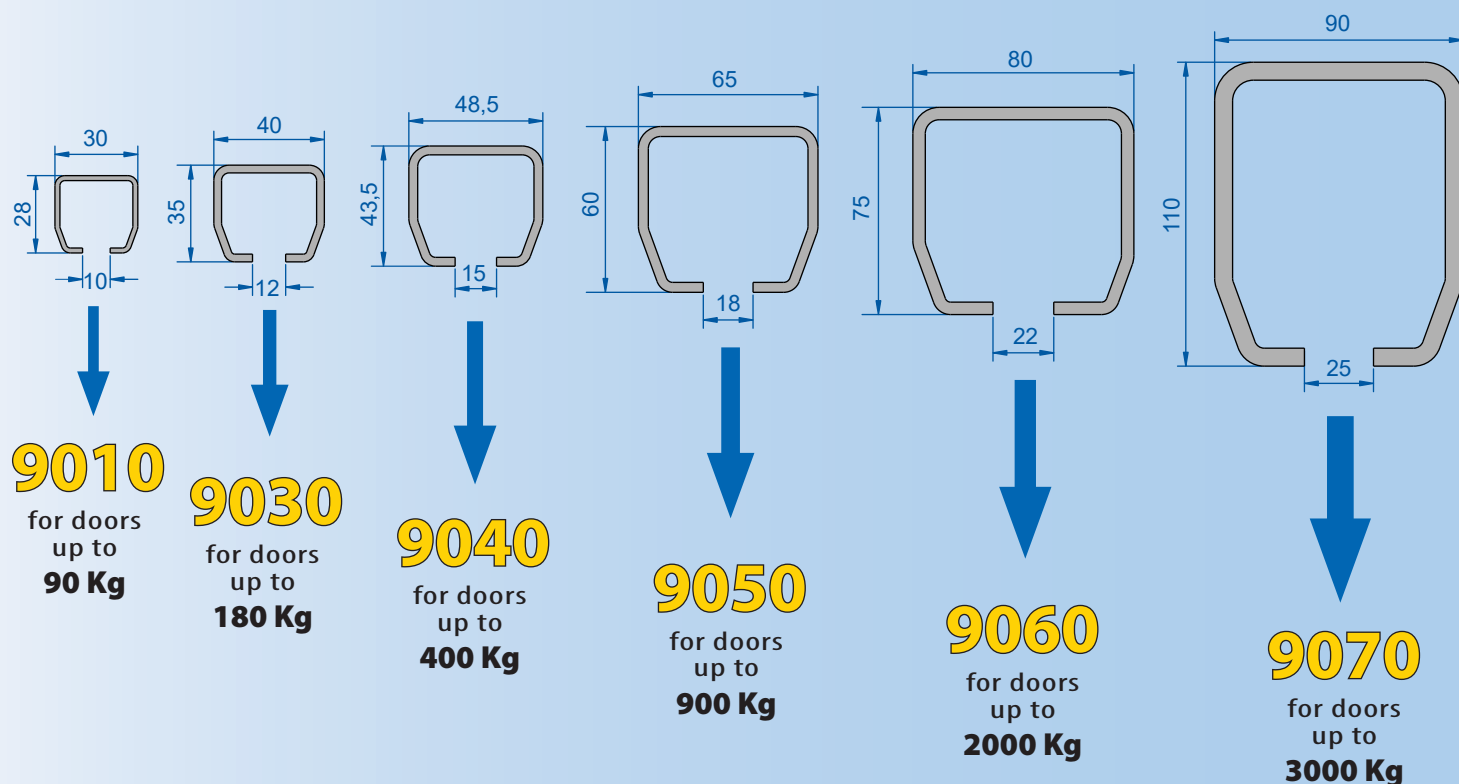
**SPORTUB® • HERCULE® • OPENTEC®**  
**WIN-SLIDE 2 • WIN-STH • WIN-STS**  
**WIN-FOLD 2**



Florian Cunin  
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](http://www.mantion.com)

	<b>9200 Fittings for STRAIGHT sliding doors</b>	<b>9</b>
	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
	<b>9300 Fittings for LATERAL displacement door</b>	<b>24</b>
	With screwing type hinges	26-27
	<b>9500 Fittings for SLIDING DOORS with equal panels</b>	<b>28</b>
	With screwing type hinges	30-31
	With welding type hinges	32-33
	<b>9600 Fittings for CONCERTINA FOLDING doors with a half panel</b>	<b>34</b>
	<b>SPECIAL ITEMS</b>	<b>38</b>
	<b>TRACKS &amp; ACCESSORIES</b>	<b>42</b>
	Tracks & profiles	44
	Jointing and fixing brackets	46
	Fixing plates	47
	Accessories	48-49
	Guides	50-51
	<b>SUGGESTIONS &amp; RECOMMENDATIONS</b>	<b>50</b>
	<b>INTERNATIONAL REFERENCES</b>	<b>54</b>
	<b>MANTION IT'S ALSO ...</b>	<b>55</b>



## 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.

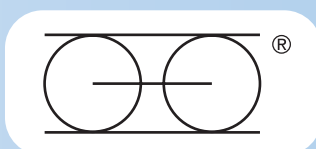
## Manton can therefore improve the reliability of its products and bring the best quality sliding systems on the market:

- 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



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



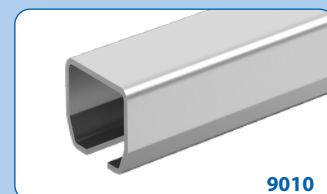
**CAPACITY/DOOR:** 90 kg max.

**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	80 kg 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	



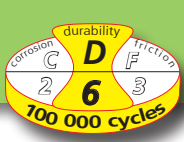
DID YOU KNOW ?

For floor guiding: see on page 48

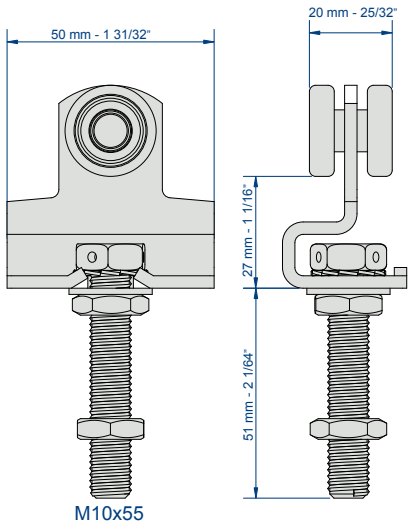


GALVANIZING PROPERTIES:

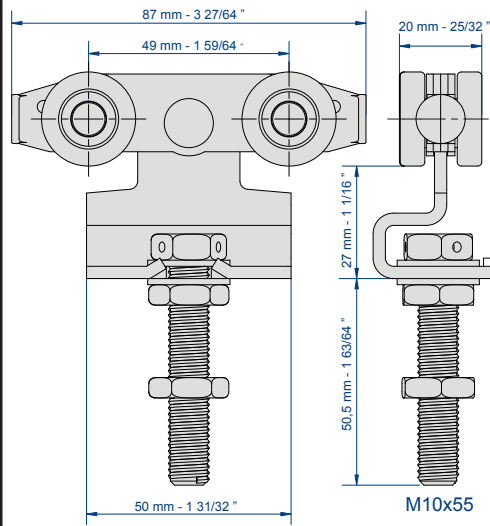
Zinc has the property of regenerating itself by surface recovering if it is altered, e.g: scraped or scratched. Thus, a track, after being scratched or cut recovers its protection entirely through galvanization. The MANTION treatment: Sendzimir process allows recovering of up to 2 mm recovering.



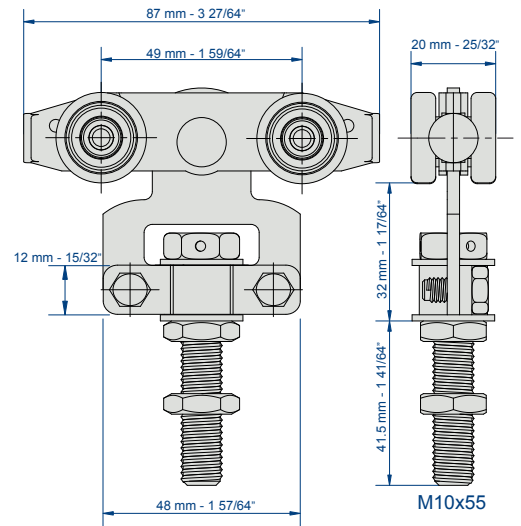
# 9210 series



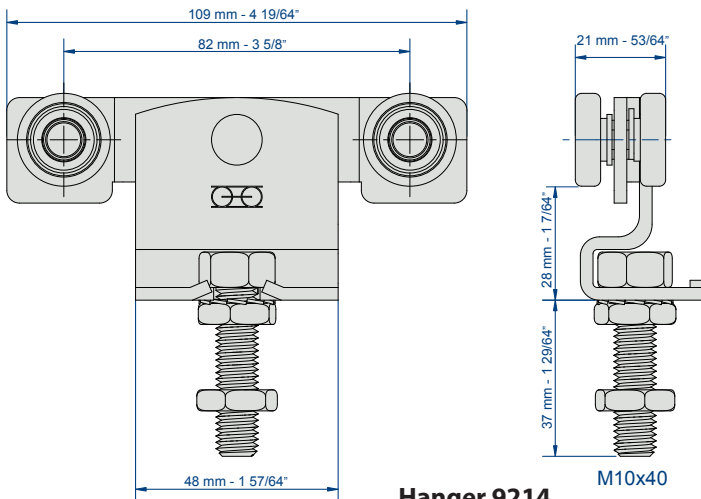
**Hanger 9211**



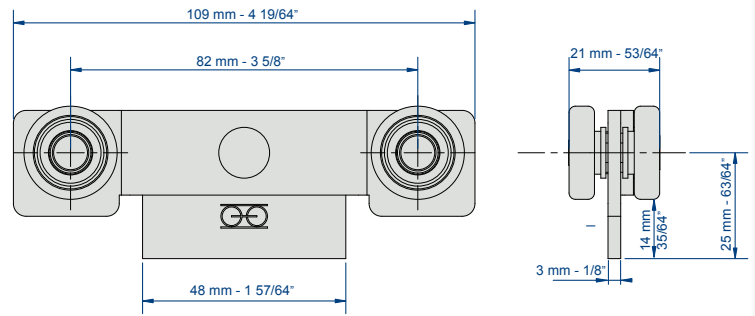
**Hangers 9212 - 99212**



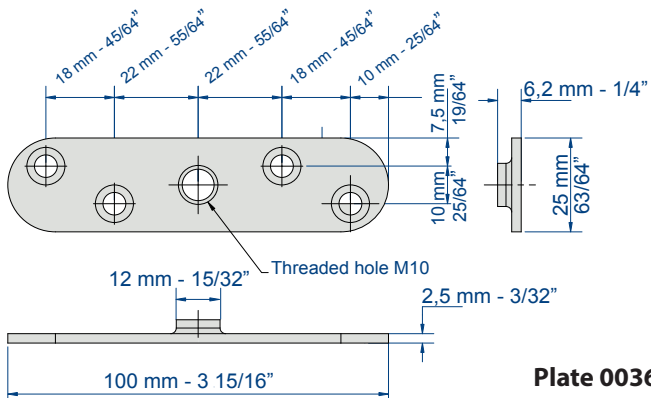
**Hangers 9215-99215**



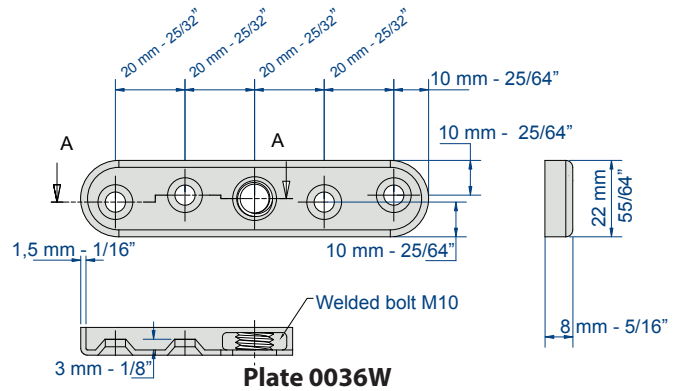
**Hanger 9214**



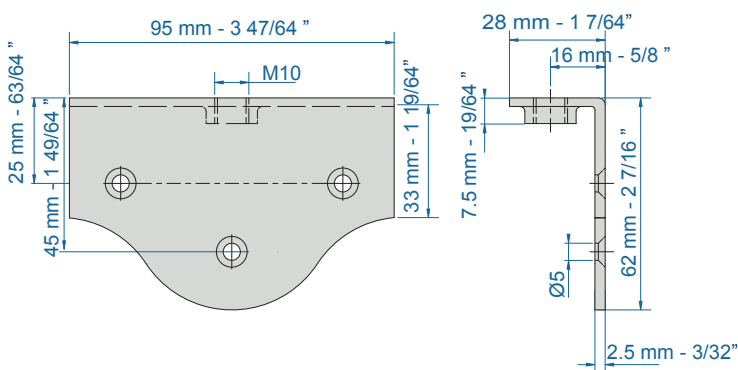
**Hanger 9216**



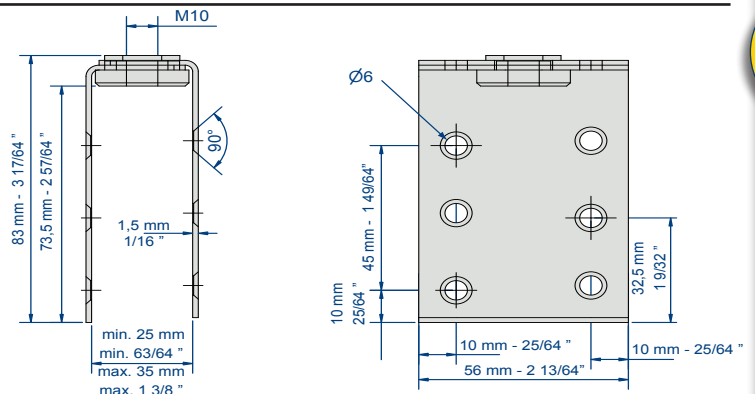
**Plate 0036**



**Plate 0036W**



**Plate 0037**



**Apron set 0031**



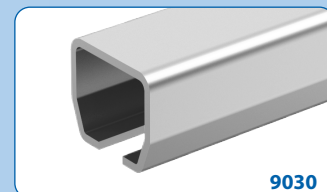
**CAPACITY/DOOR:** 180 kg max.

**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	
9231W	140 kg Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M12	2	
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	180 kg 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	



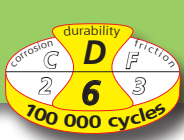
**DID YOU KNOW ?**



**DIP-GALVANIZING:**

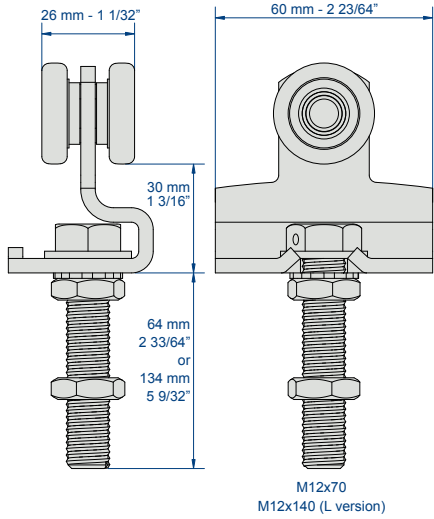
Mantion tracks are dip-galvanized (Sendzimir). Apart for the reinforced density of the galvanizing, this technique is the only way to uniformly protect all parts of the track (including the interior part).

**For floor guiding: see on page 50**

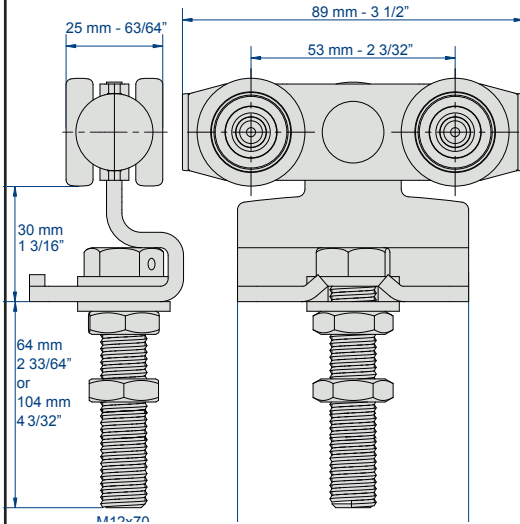


**140 KG** → **180 KG**

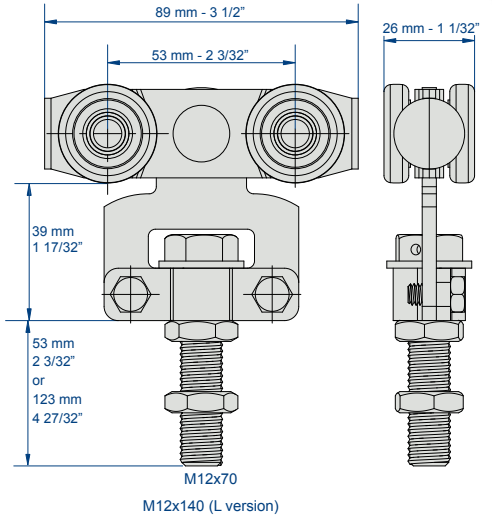
# 9230 series



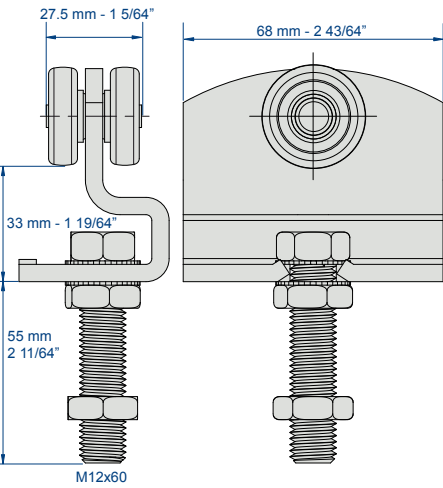
**Hangers 9231**



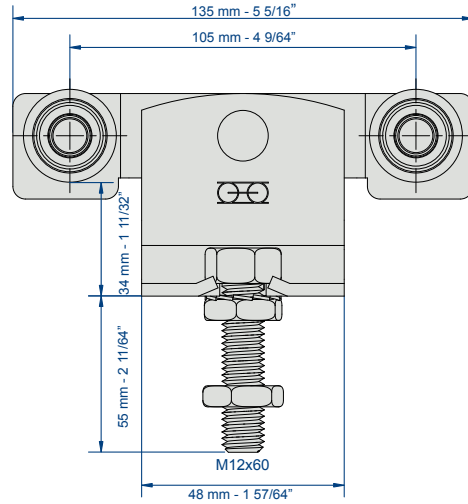
**Hangers 9232 - 9232L**



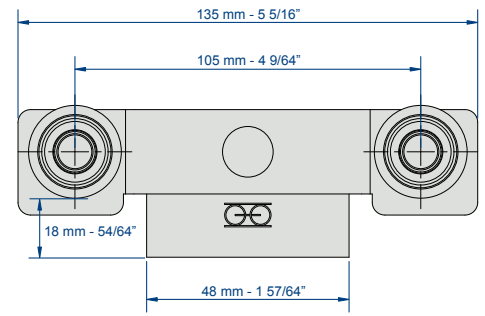
**Hangers 9235 - 9235L**



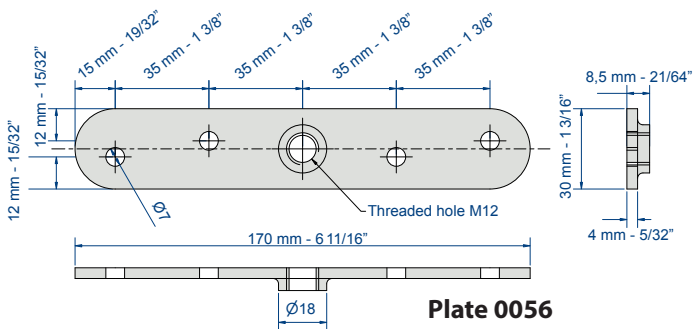
**Hanger 9231W**



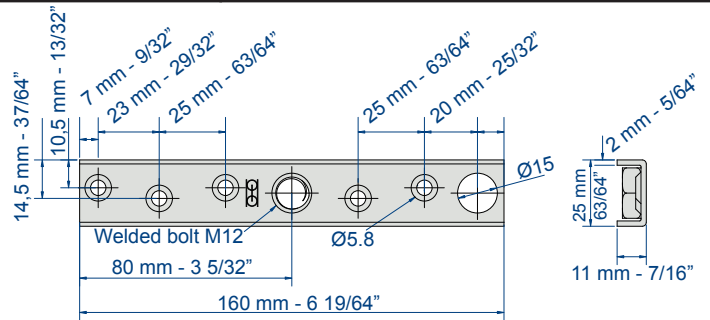
**Hanger 9234**



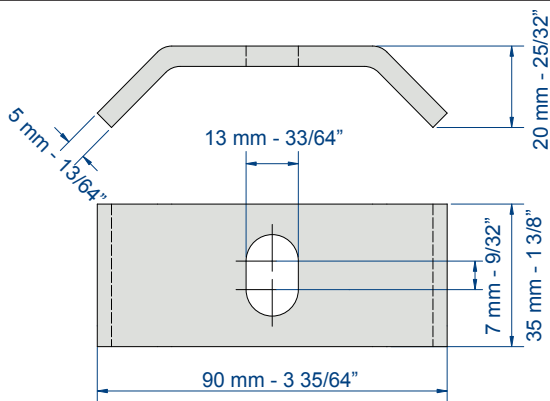
**Hanger 9236**



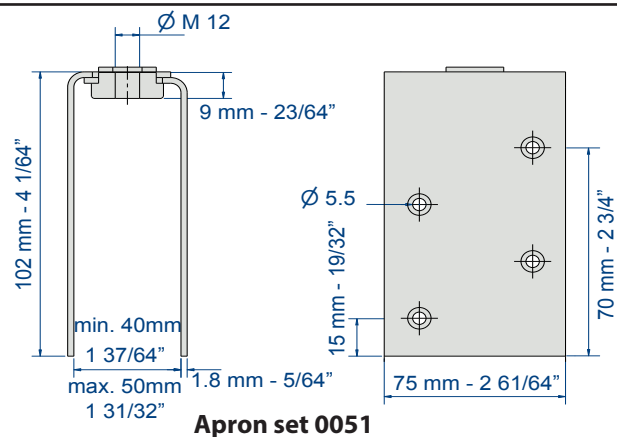
**Plate 0056**



**Plate 0056W**



**Plate 0055**



**Apron set 0051**



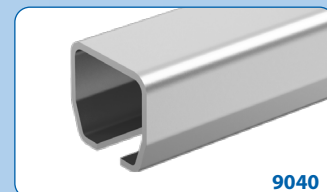
**CAPACITY/DOOR:** 400 kg max.

**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



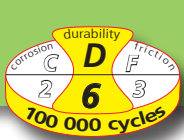
**capacity per door**

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

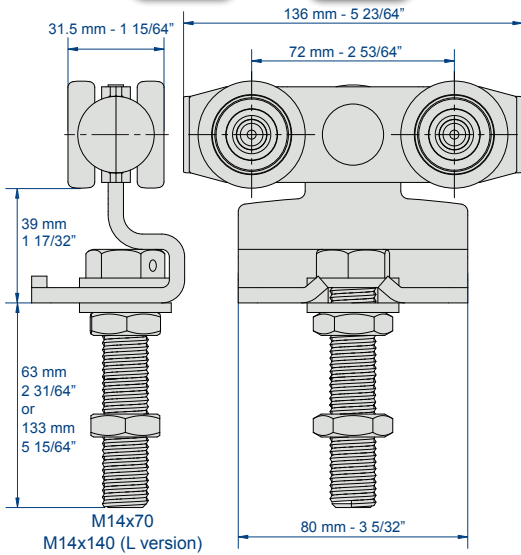
HANGERS & PLATES				
Item Nr	Description	screw Ø		
9241	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M14	2	
9241W	Hanger with swanneck and 2 steel wheels mounted on balls.	Ø M16	2	
9242	Hanger with swanneck and 4 steel wheels mounted on balls	Ø M14	2	
9242L	Ditto with long fixing bolt (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	
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	



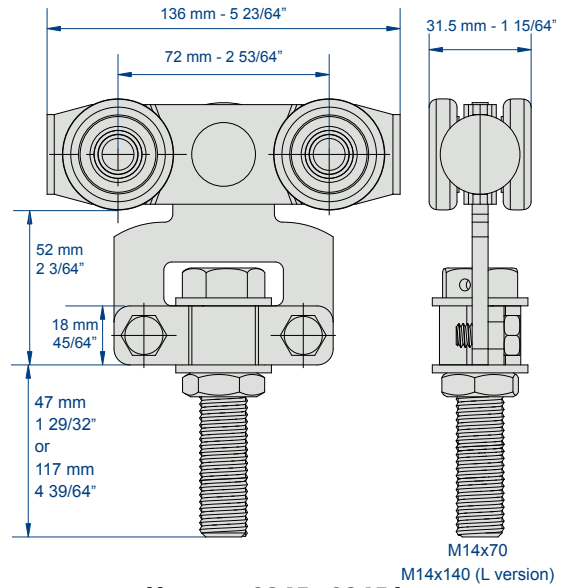
For floor guiding: see on page 48



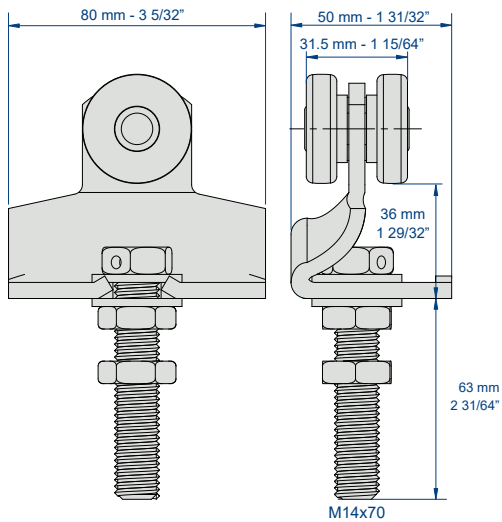
# 9240 series



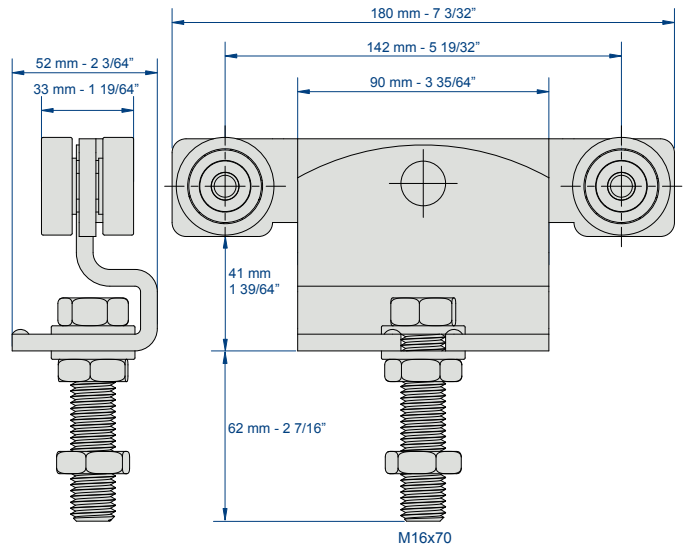
**Hangers 9242 - 9242 L**  
**Hangers 9242S - 9242 SL**



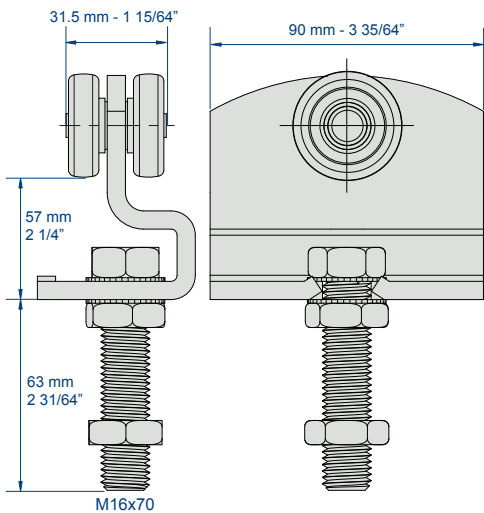
**Hangers 9245 - 9245 L**  
**Hangers 9245S - 9245 SL**



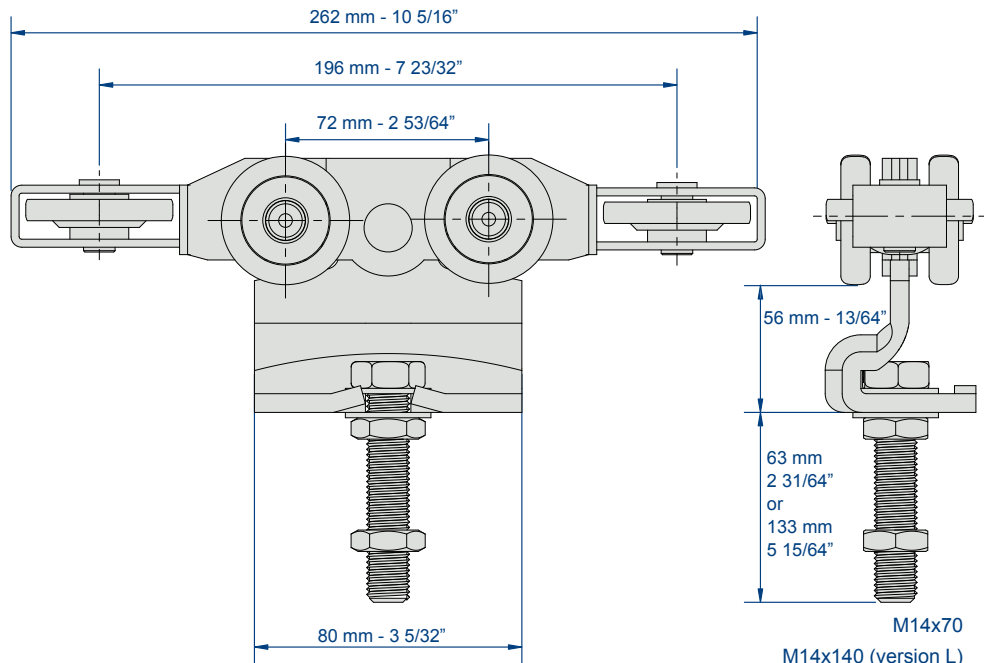
**Hanger 9241**



**Hanger 9244**



**Hanger 9241W**



**Hanger 9242SE**



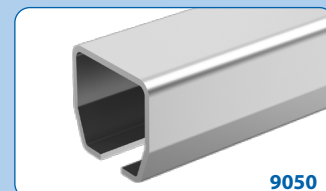
**CAPACITY/DOOR:** 900 kg max.

**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

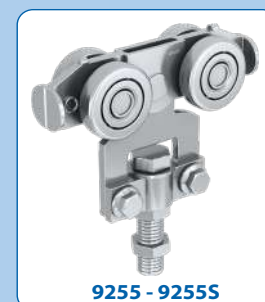
TRACKS		
Item Nr	Description	
9050/600	Galvanised track 60 x 65 mm. 6 m long	4
9050N/600	Plain track (untreated) 60 x 65 mm. 6 m long.	4

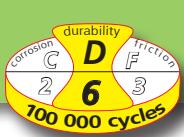


**capacity per door**

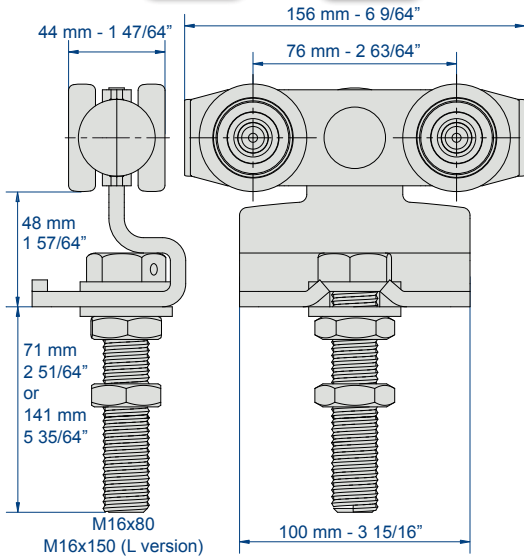
In case of an automatic operations use, please divide the capacity by 2

HANGERS & PLATES				
Item Nr	Description	screw Ø		
9256S	400 kg 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	
9252S	750 kg Hanger with swanneck and 4 steel wheels mounted on ball bearings	Ø M16	2	
9252SL	Ditto with long fixing bolt (150 mm)	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	
9255S	750 kg Hanger with removable collar, with 4 steel wheels mounted on ball bearings	Ø M16	2	
9252SE	350 kg Hanger for automatic doors, idem 9252S equipped with a guiding wheel at each end	Ø M16	2	
9258SL	900 Kg Top fixing hangers with 8 wheels mounted on balls	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	

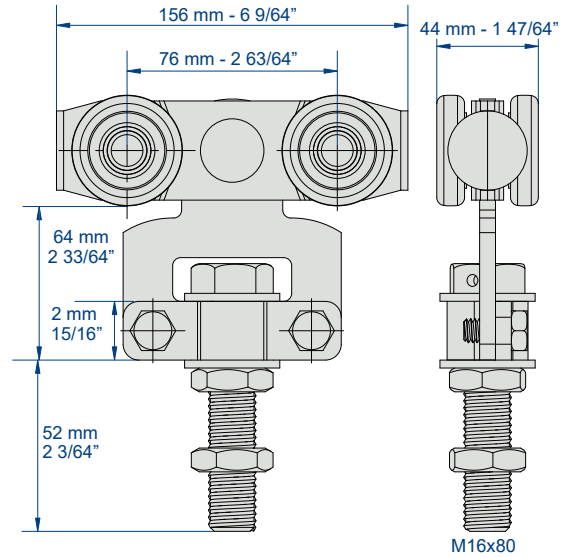




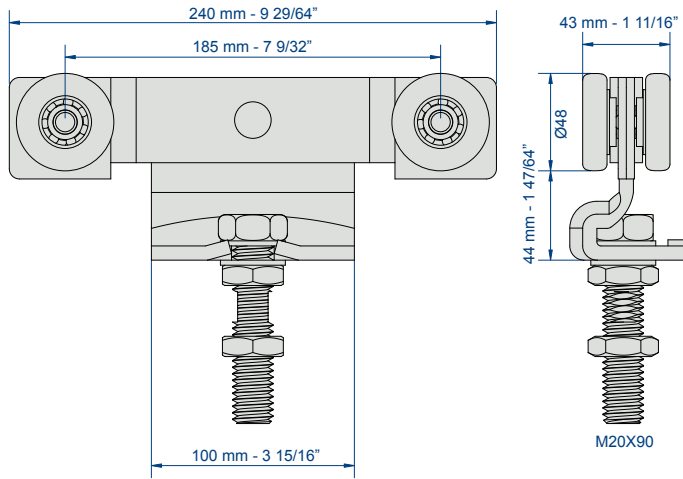
# 9250 series



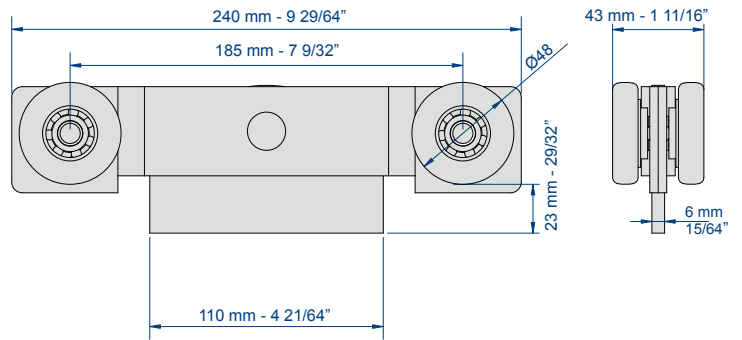
**Hangers 9252**  
**Hangers 9252S - 9252SL**



**Hangers 9255 - 9255S**



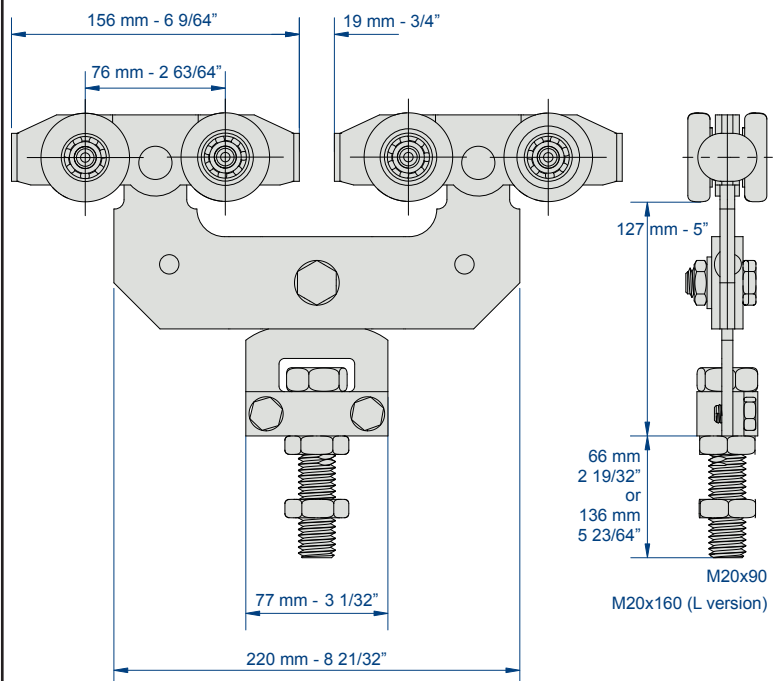
**Hanger 9254S**



**Hanger 9256S**



**Hanger 9252SE**



**Hanger 9258SL**



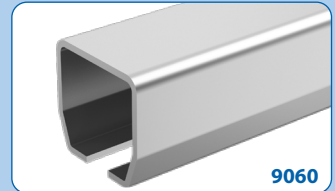
**CAPACITY/DOOR:** 2000 kg max.

**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



For floor guiding: see on page 48

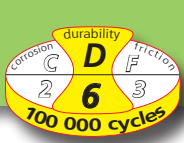
**DID YOU KNOW ?**



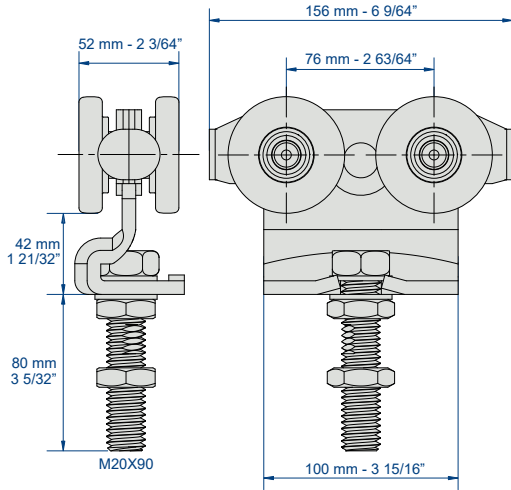
«MAGNESIUM ZINC»:

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 !!

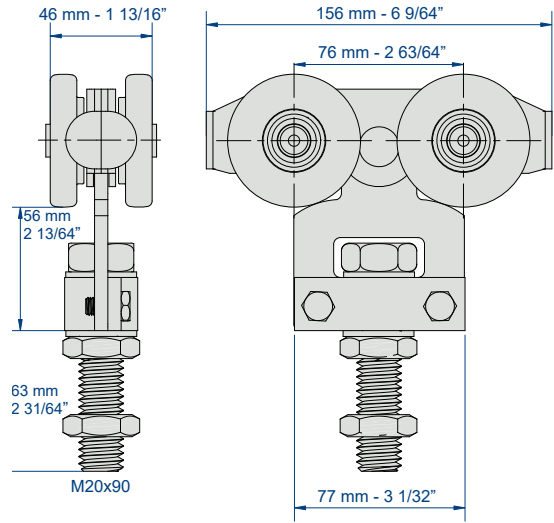




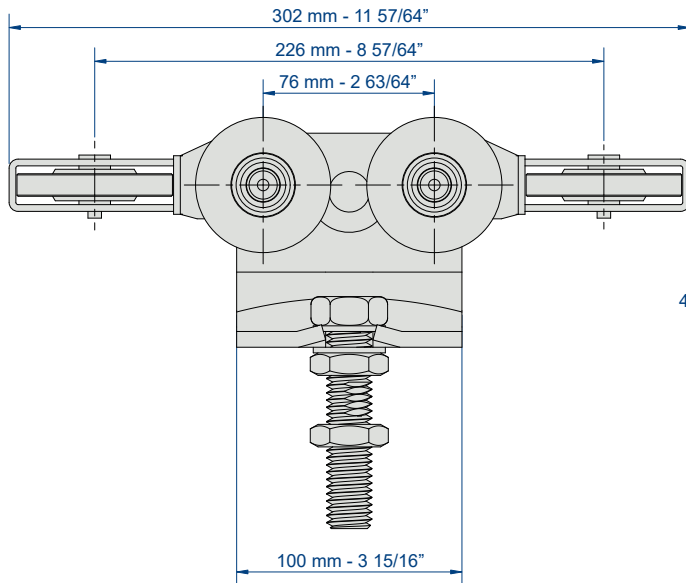
# 9260 series



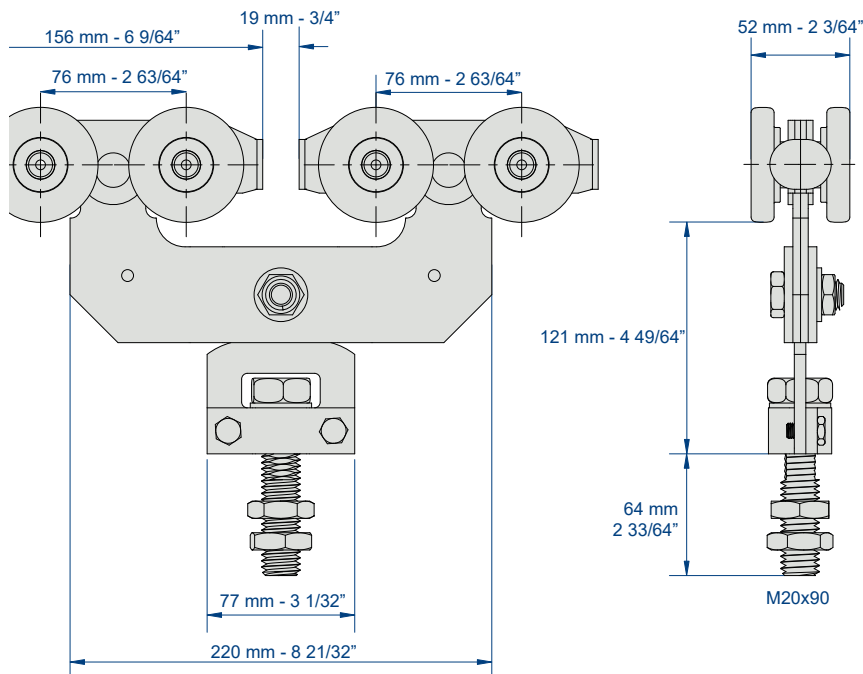
**Hangers 9262S**



**Hangers 9265S**



**Hangers 9262SE**



**Hangers 9268SL**



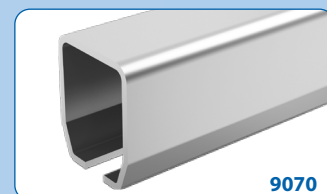
**CAPACITY/DOOR:** 3000 kg max.

**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		



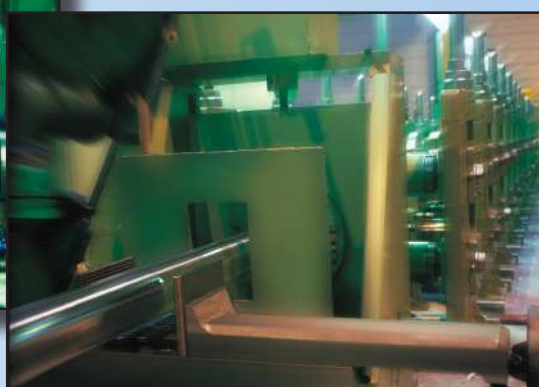
**DID YOU KNOW ?**

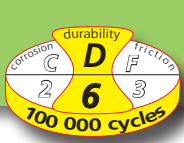
For floor guiding: see on page 48



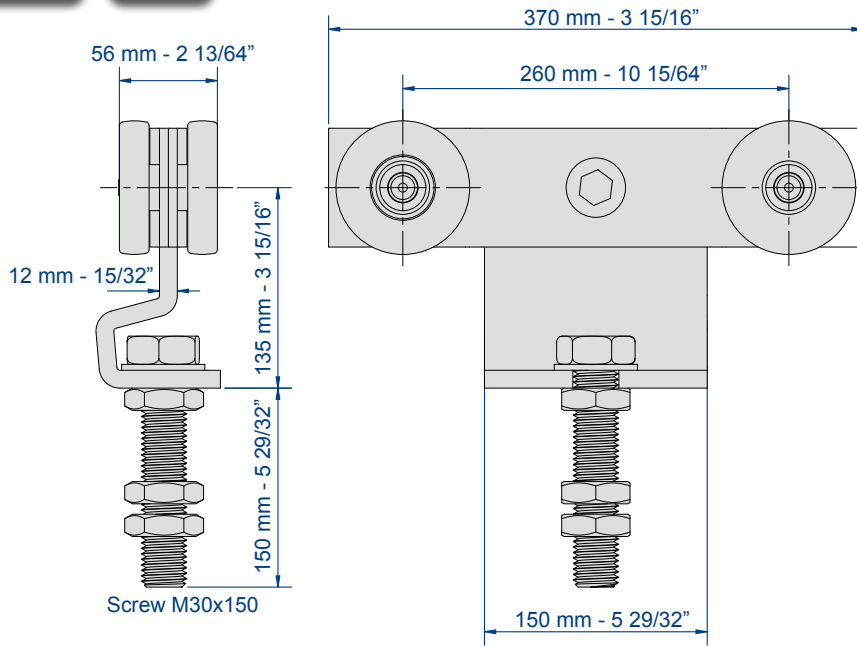
### MANTION ROLLING:

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.



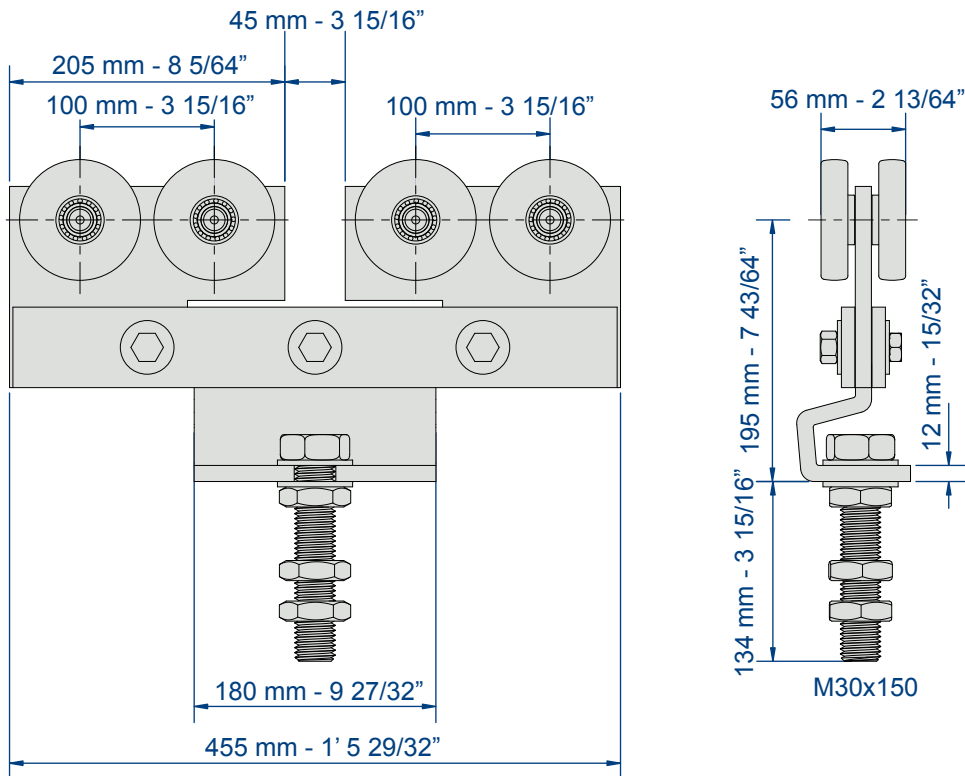


# 9270 series



Hanger 9272

S



Hanger 9278S

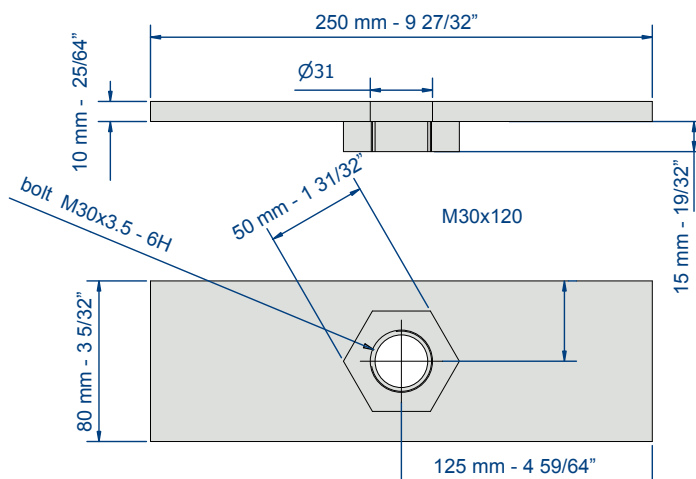


Plate 0075S



**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

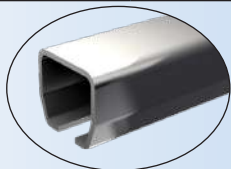


Fig. 1



Fig. 2



Fig. 3



Fig. 4

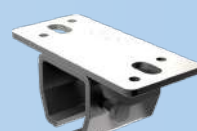


Fig. 5



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

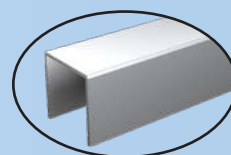


Fig. 16

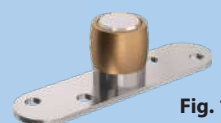


Fig. 17



Fig. 18



Fig. 19

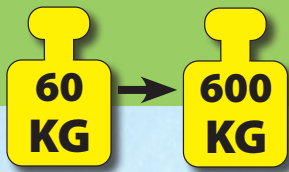
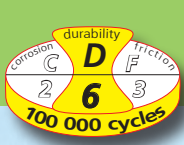


Fig. 20

### 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

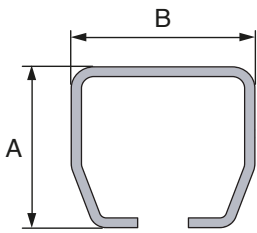
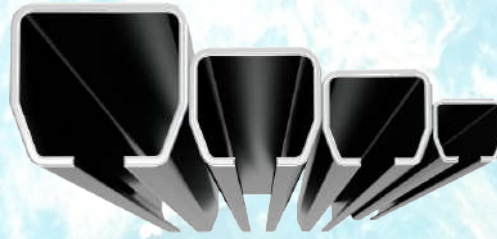


# STAINLESS STEEL

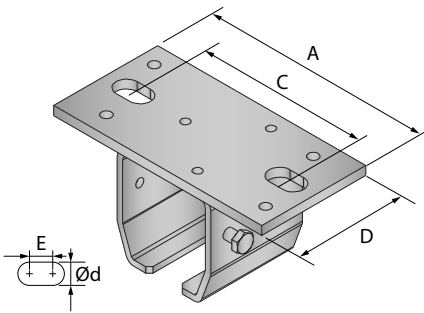
**316L :**  
Ideal for  
seaside use

## 2 Grades of stainless steel:

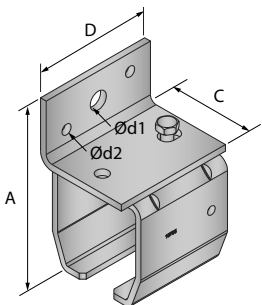
- grade 304L : For sliding doors in a corrosive environment : food industry, etc...
- grade 316L : For sliding doors in a highly aggressive environment : marine sea spray, chemical industry, hospitals, nuclear industry, etc...



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

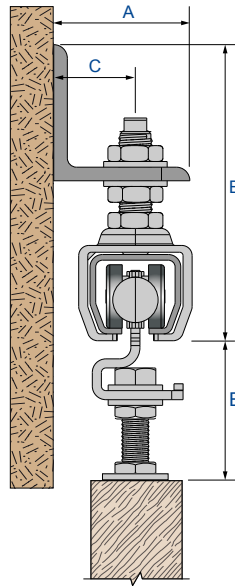


Item Nr.	A	C	D	E	Ød
9018H...	100	70	40	8	9
9038H...	115	81	54	8	11
9048H...	130	94	65	8	13
9058H...	170	125	80	11	17

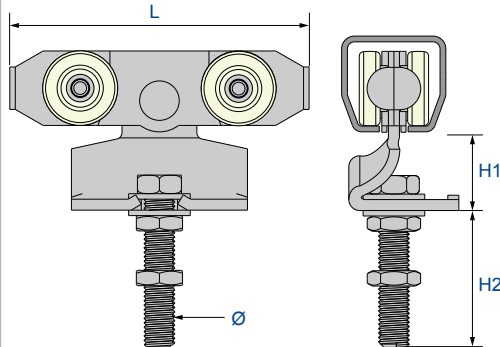


Item Nr	A	C	D	Ød1	Ød2
9018V...	60.5	36	40	9	5
9038V...	71	48	54	11	6
9048V...	93	59	65	13	7
9058V...	124	70	80	14	8

## Hanger with swanneck 99212 - 99232 - 9232 - 9242

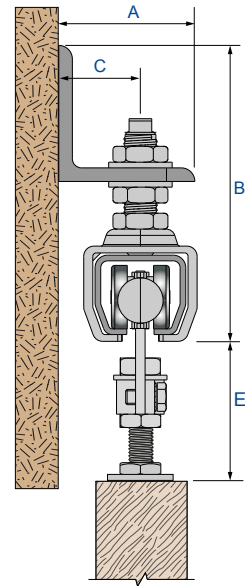


Item Nr	A	B	C	E
99212XA...	40	99±7	24±6	50±15
99232XA.../ 9232XSA...	60	131±5	36±10	59±20
9242XSA...	70	151±5	40±10	75±25

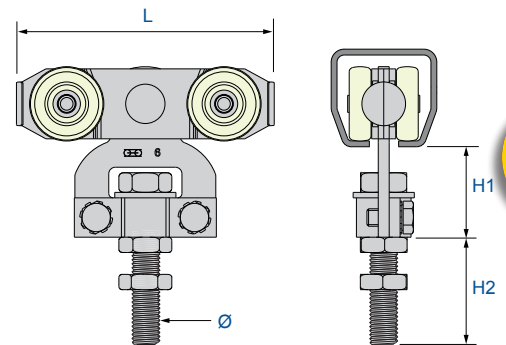


Item Nr	L	H1	H2	Ø
99212XA...	87	24	50	M10
99232XA.../ 9232XSA...	89	27	63	M12
9242XSA...	137	31	72	M14

## 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:** 300 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:

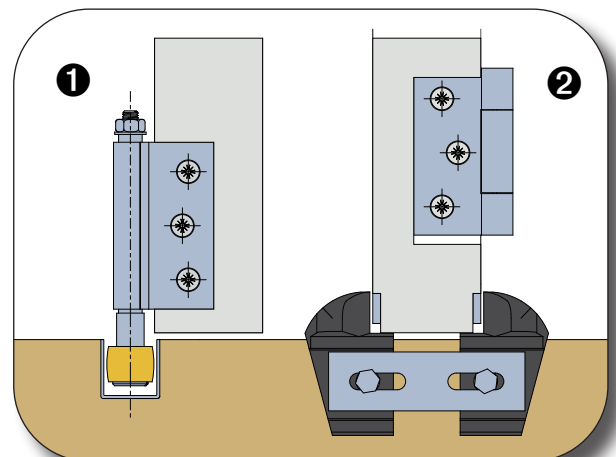
For a door without a service door: the weight of a single panel has to be taken into consideration  
 For a door **with a service door**: the weight of a panel has to be multiplied by **1.5**

### FLOOR GUIDING:

with hinges: as many guides as hangers have to be used

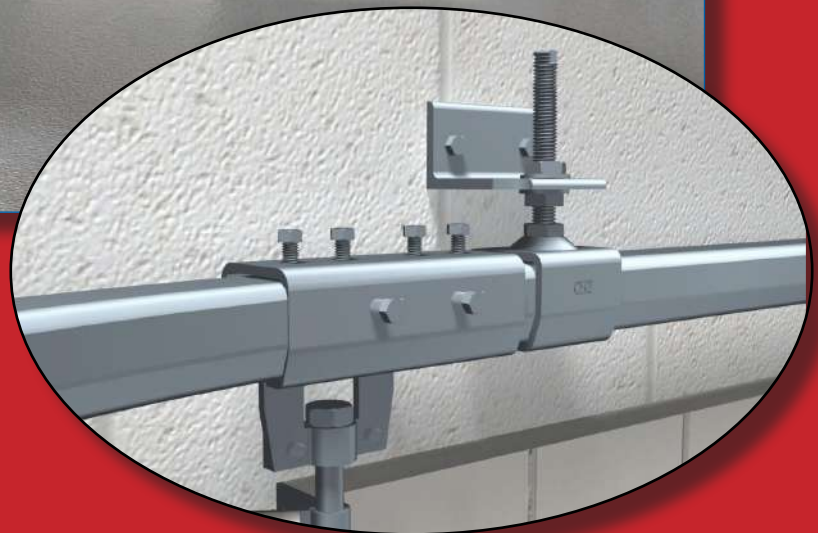
- ① with shoe guides: as many guides as hangers have to be used (one of them being a half shoe guide)
- ② Item Nr **1011** for panels of 21 to 50 mm thickness  
 Item Nr **1014** for panels 32 to 70 mm thickness  
 See shoe guides on page 58

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***



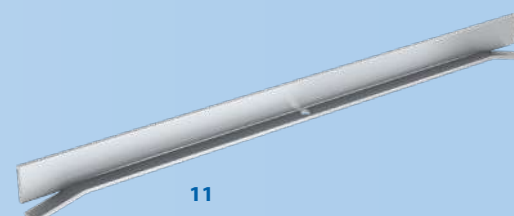
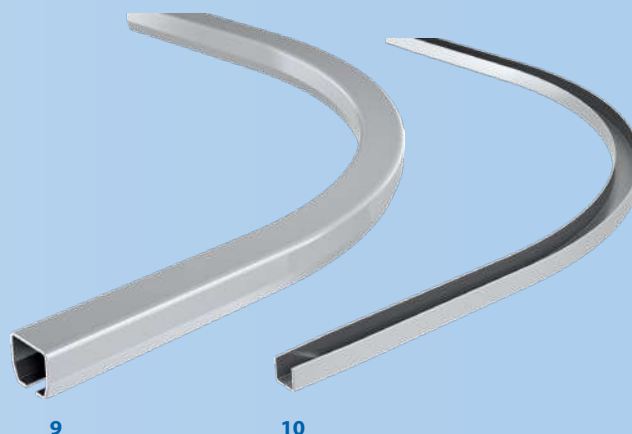
***With screwing type hinges***

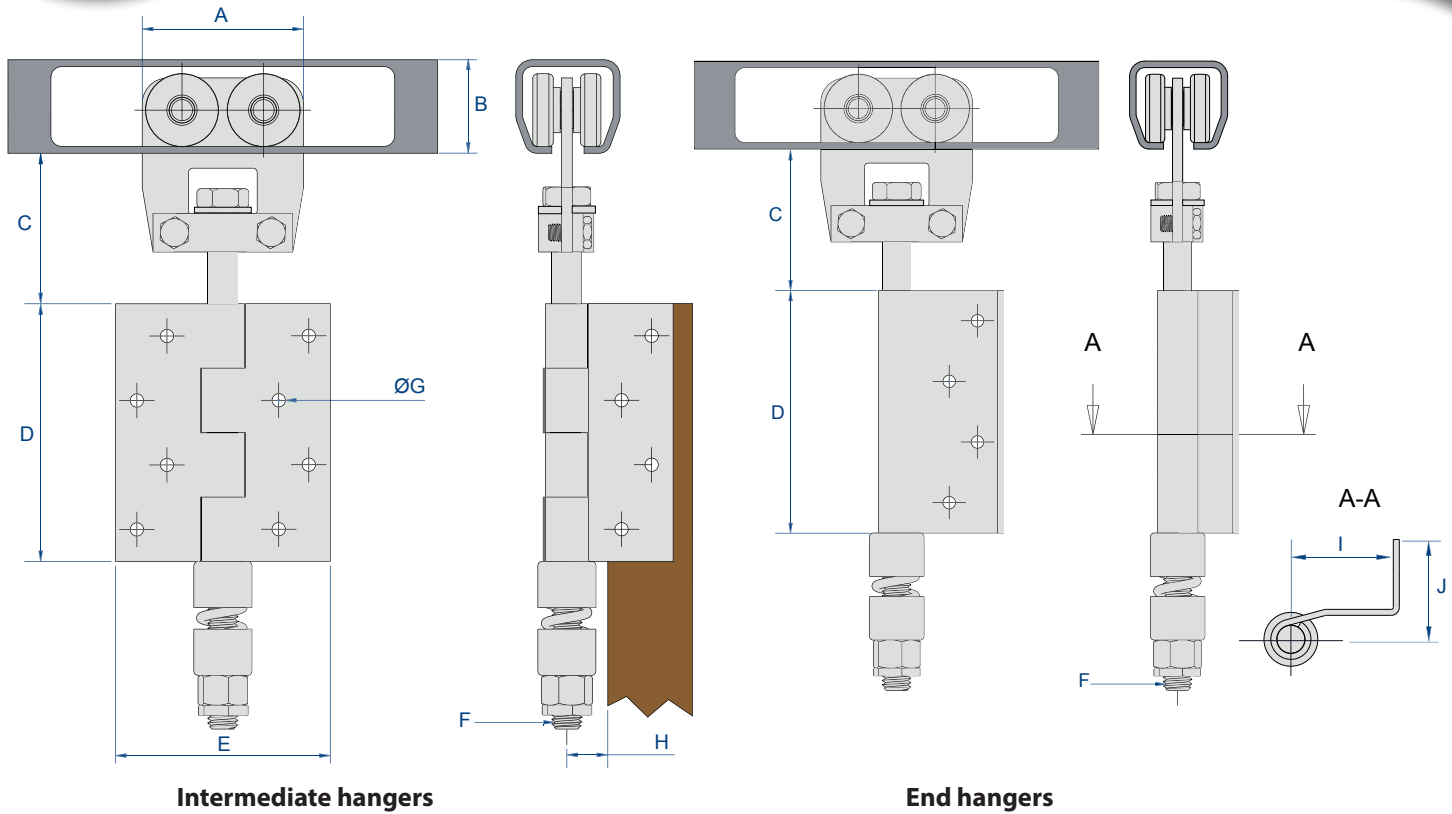
***26-27***

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 150 Kg			Track: 9040
Item Nr	Fig.	Description	
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
Item Nr	Fig.	Description	
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.	

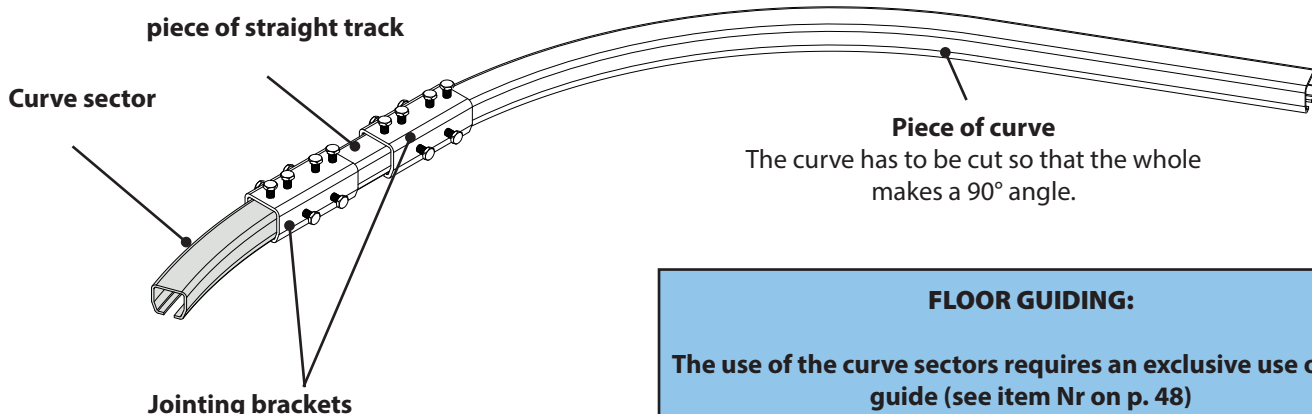




Item Nr	A	B	C		D	E	F	G	H	I	J
			Min.	Max.							
9312	50	28	35	47	80	60	M 10	5	11	28	30
9312E											
9342	75	43.5	45	62	120	100	M 14	6	15	52	30
9342E											
9352	100	60	66	91	120	100	M 16	6	17	60	32
9352E											

## 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
9040CS	for track 9040	for panels wider than 650 mm			



see mounting instructions on p. 24

**CAPACITY / PANEL:** 150 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.

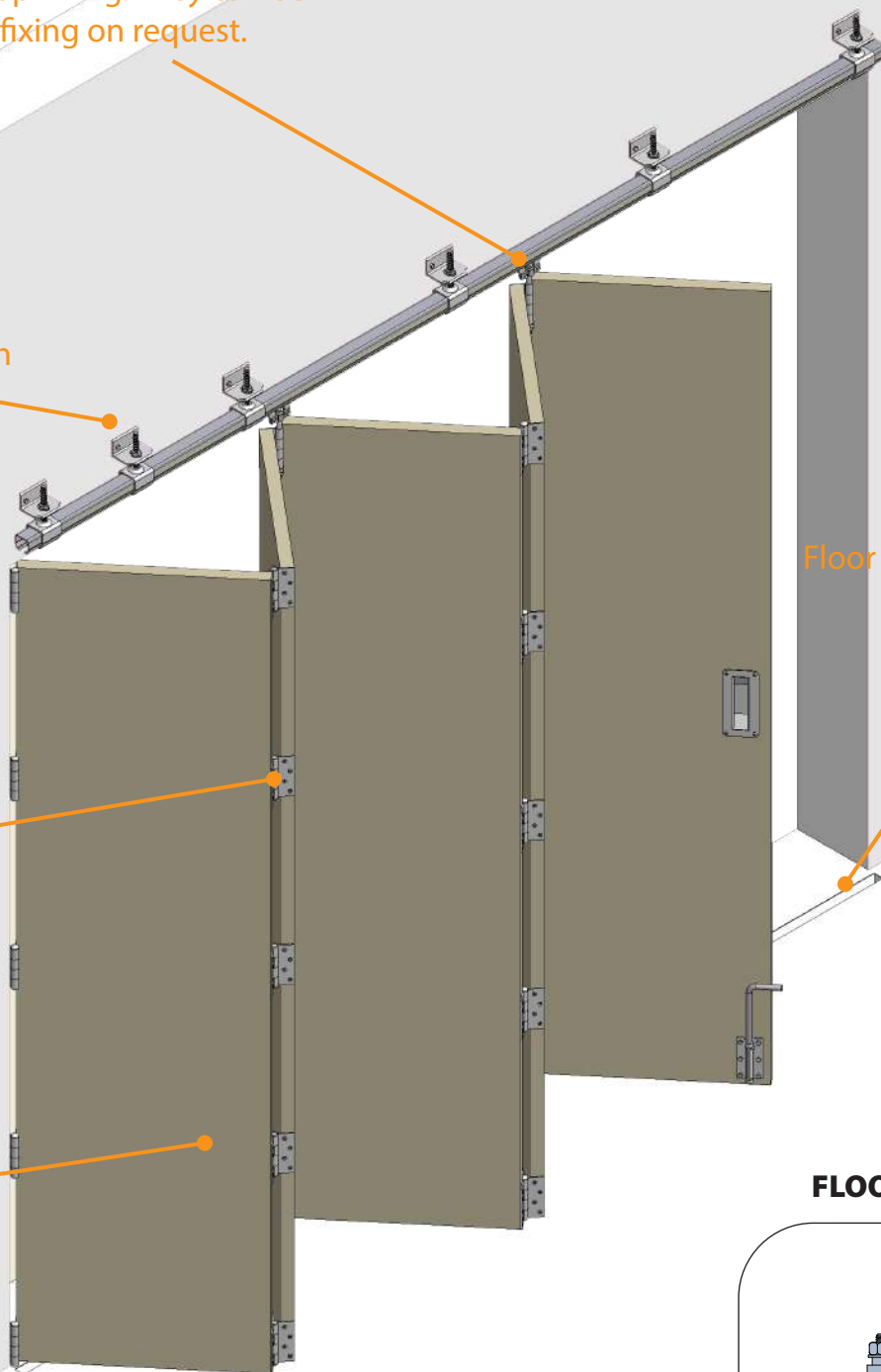
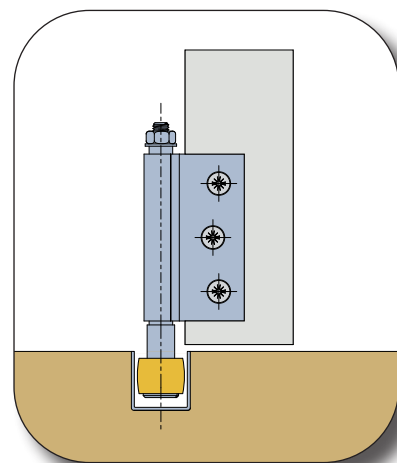
Place a complementary bracket on the push back side

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***

***30-31***

***With welding hinges***

***32-33***



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	5	Hinge 85 x 85, screwing type, with a Ø 12 axle, top-fixing	10
1110	6	Galvanised U-profile 30 x 30 - 4, 5 and 6 m long	4
1110M	7	Jointing bracket for U-profile 30 x 30 (Item Nr 1110)	

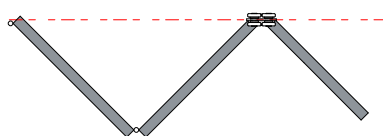


HANGER CAPACITY 300 KG MAX.		Track: 9050	
9552	1	Intermediate hanger, mounted on a hinge (capacity 300 kg)	2
9552E	2	Offset end hanger (capacity 300 kg)	2
1114	3	Bottom guide on a hinge for U-profile 50 x 60 (Item Nr 1115)	
1114EL	4	Offset bottom guide for U-profile 50 x 60 (Item Nr 1115)	
1516C	5	Hinge 120 x 100, screwing type, with a Ø 16 axle, top-fixing	4
1115/600	6	Galvanised U-profile 50 x 60 - 6 m long	
1115M	7	Jointing bracket for U-profile 50 x 60 (Item Nr 1115)	

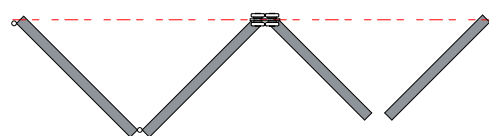


### EXAMPLES OF ASSEMBLY:

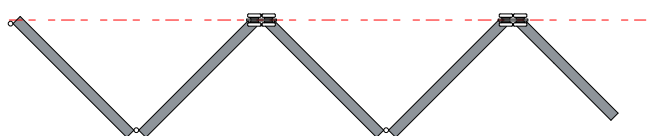
2 panels and 1 service door



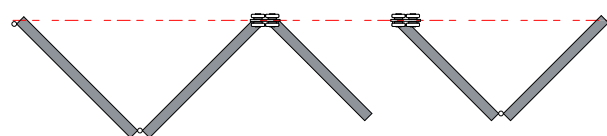
2 panels and 1 service door + 1 panel



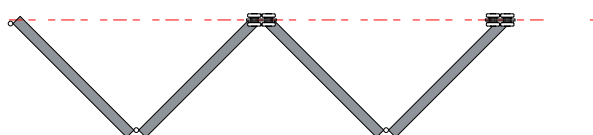
4 panels and 1 service door



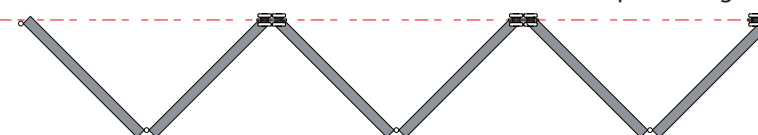
2 panels and 1 service door + 2 panels together

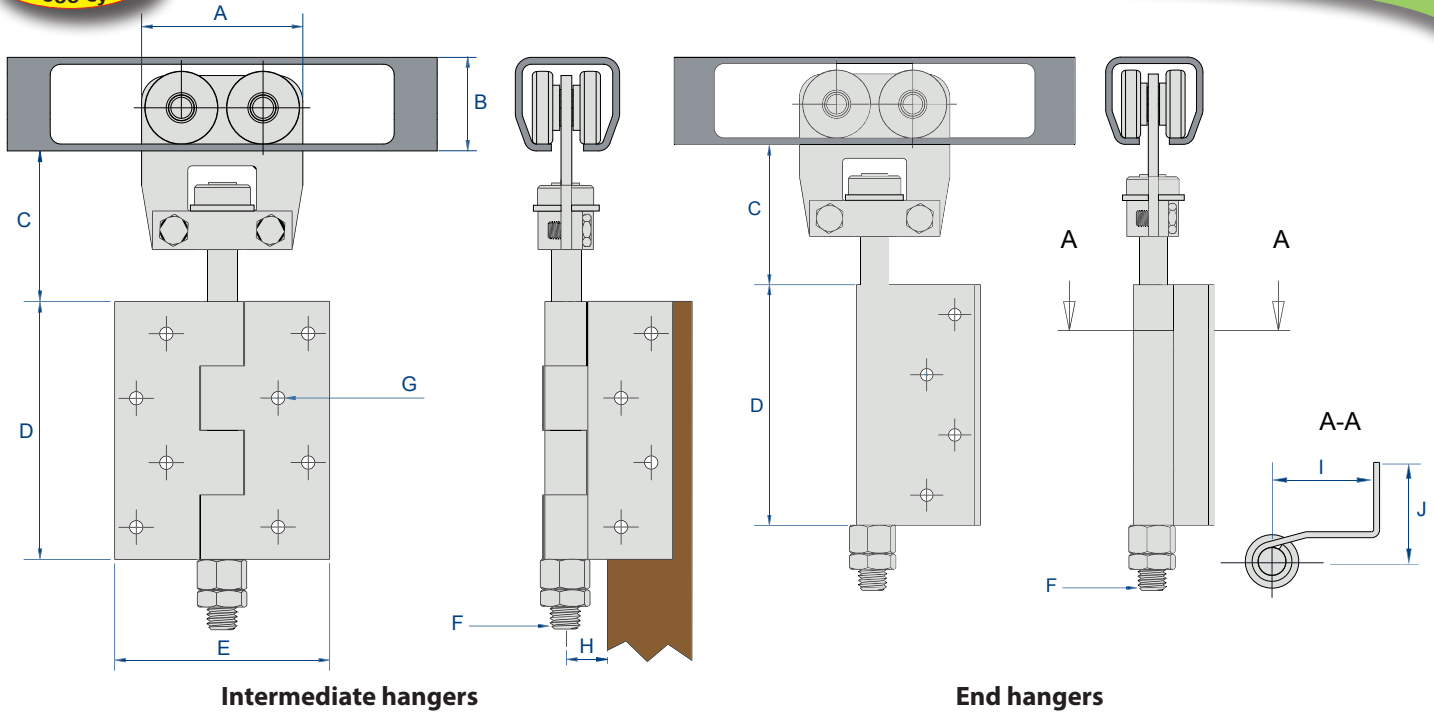


4 panels together



6 panels together





Intermediate hangers

End hangers

Item Nr	A	B	C		D	E	F	G	H	I	J
			Min.	Max.							
9532	62	35	49	69	85	85	M 12	Ø 5	12	41	25.5
9532E											
9552	100	60	121	146	120	100	M 16	Ø 6	17	60	32
9552E											

## 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.

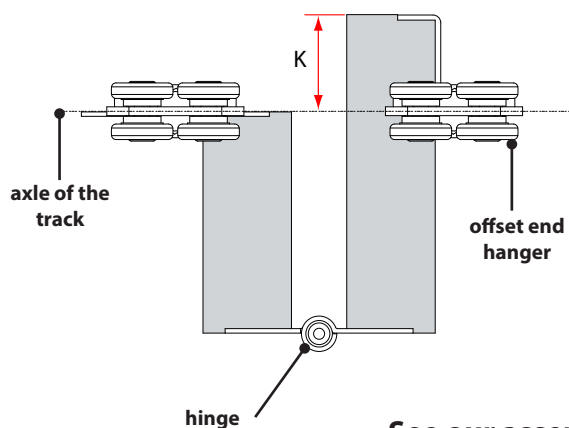
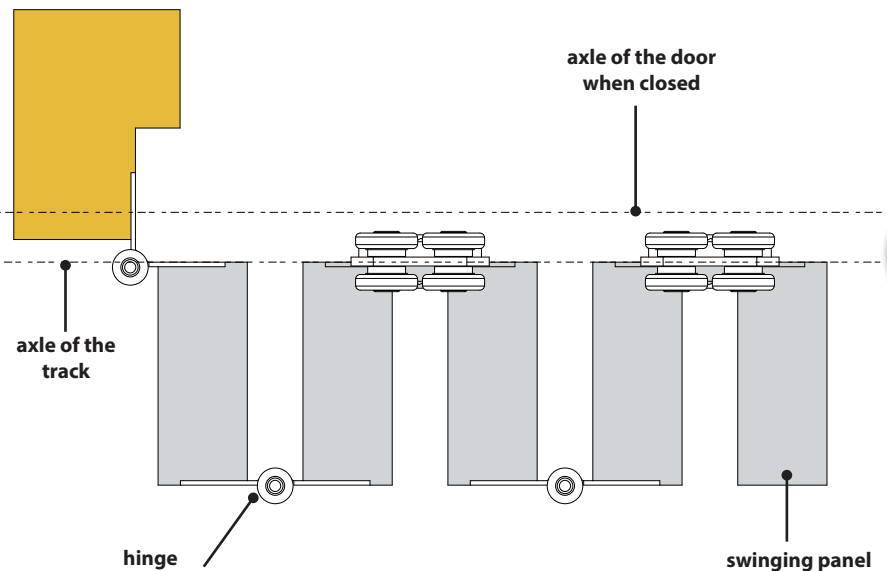
Item Nr	K dimension
9532E	44
9552E	64

## 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 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	Joining 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	Joining bracket for U-profile 50 x 60 (Item Nr 1115)	



### EXAMPLES OF ASSEMBLY:

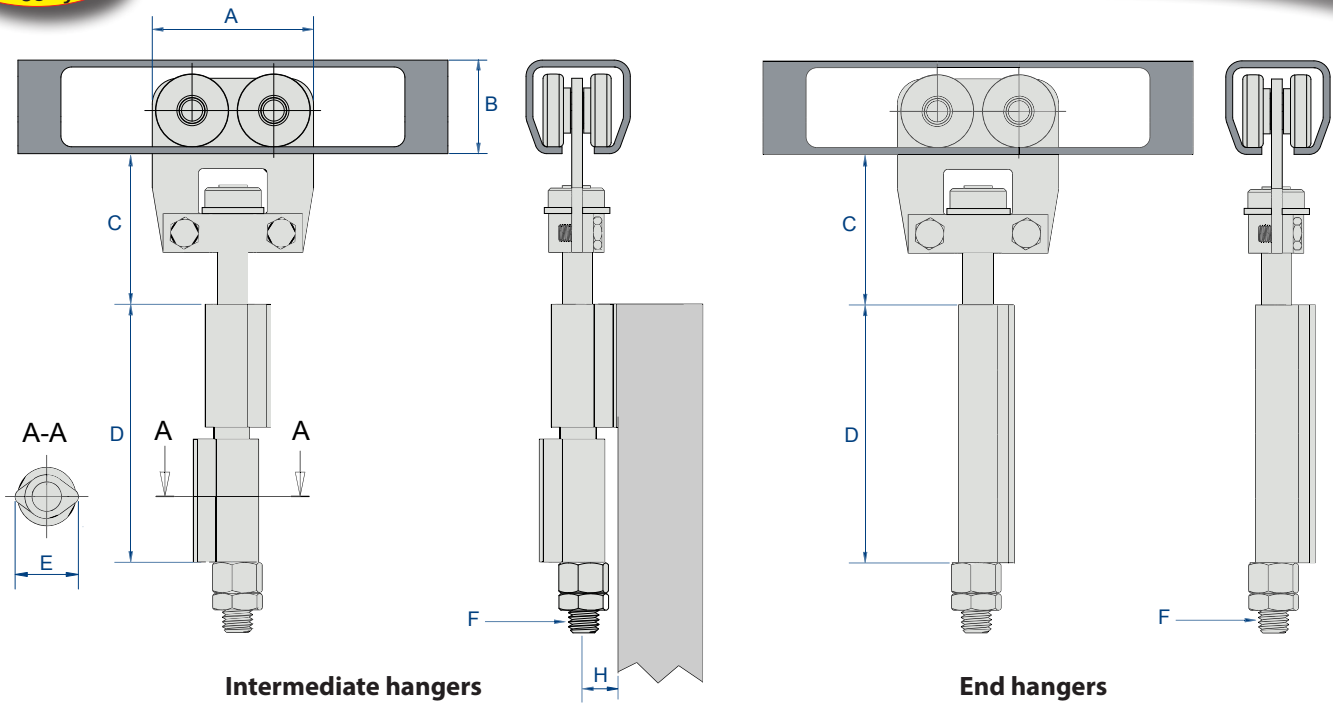
See on p. 30

**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.



Intermediate hangers

End hangers

Item Nr	A	B	C		D	E	F	H
			Min.	Max.				
9532SO	62	35	49	69	85	24	M 12	12
9532SOE								
9552SO	100	60	121	146	120	34	M 16	17
9552SOE								

## 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.

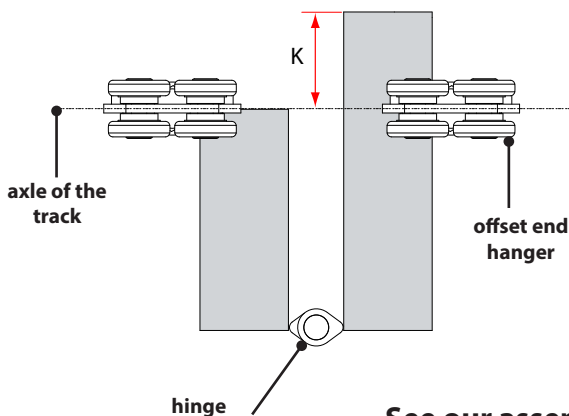
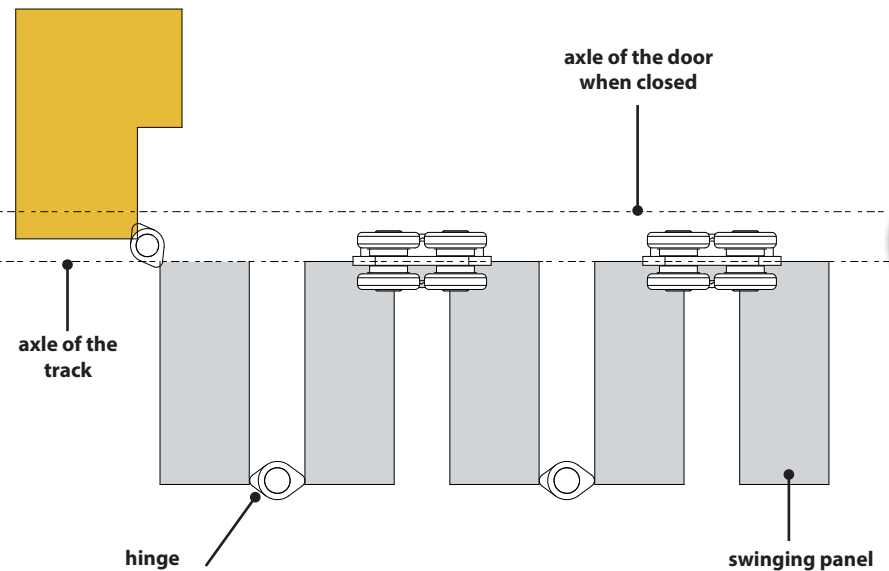
Item Nr	K dimension
9532E	44
9552E	64

## 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:** 300 kg max.

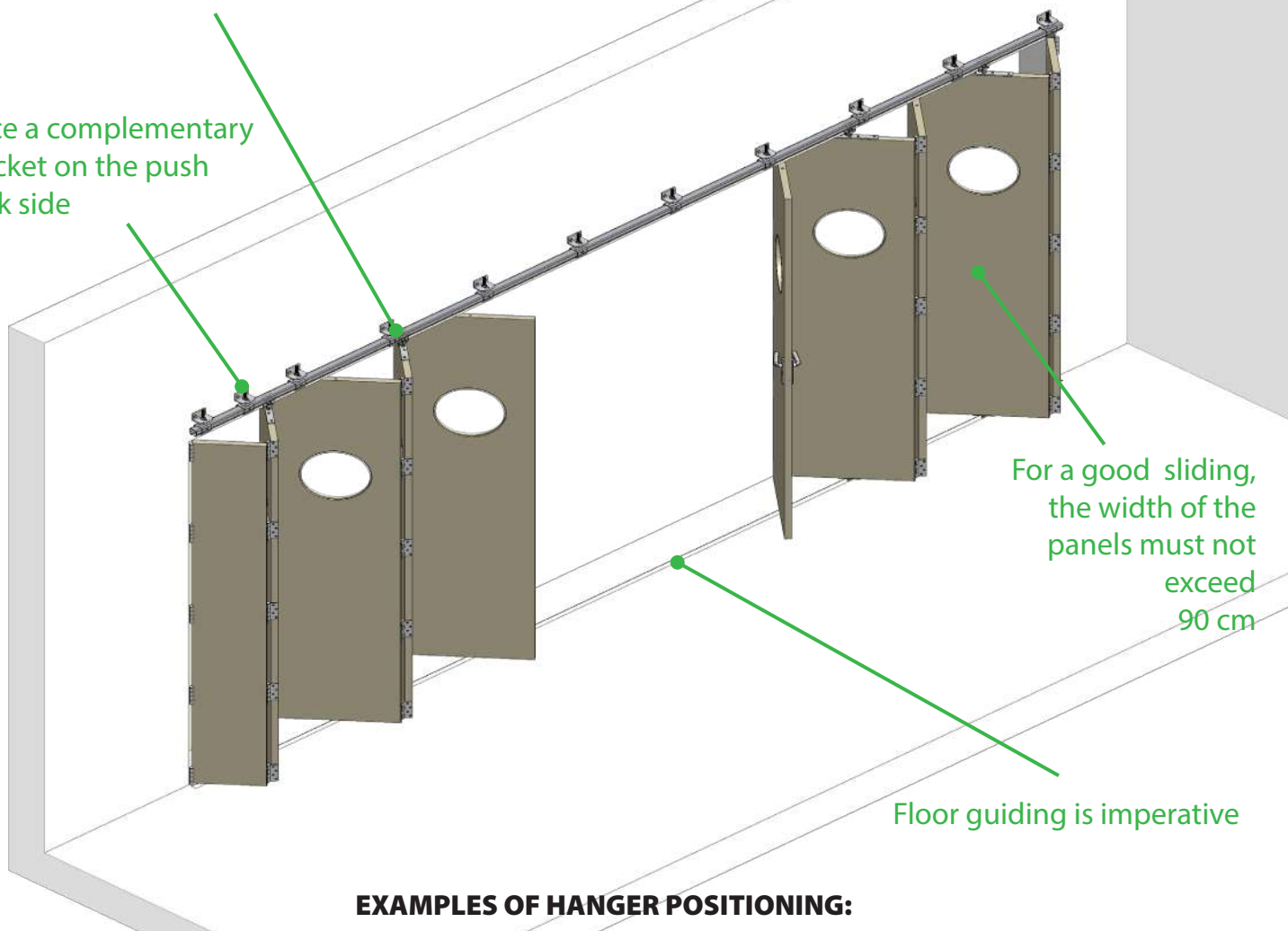
**TRACK:** 9010 to 9060

**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

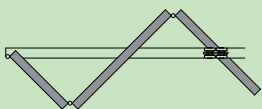
Place a complementary bracket on the push back side



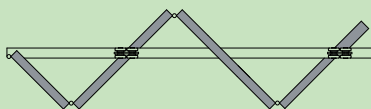
### EXAMPLES OF HANGER POSITIONING:

#### For doors without a folding panel:

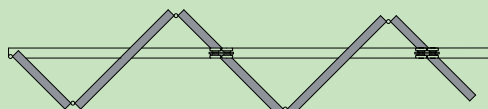
2 panels 1/2



3 panels 1/2



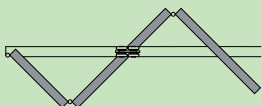
4 panels 1/2



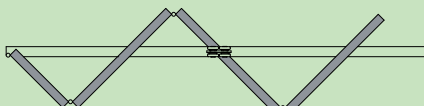
Fix the first hanger in the middle of the first panel starting without the side opposite to the frame, and then a hanger every second panel.

#### For doors with a folding panel:

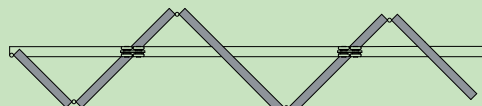
2 panels 1/2



3 panels 1/2



4 panels 1/2



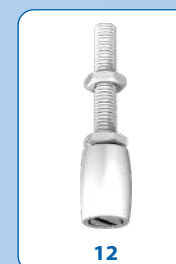
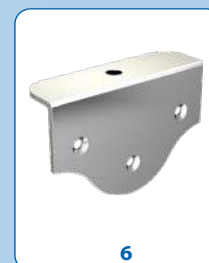
Fix the first hanger in the middle of the first panel preceding the folding panel, and then a hanger every second panel.

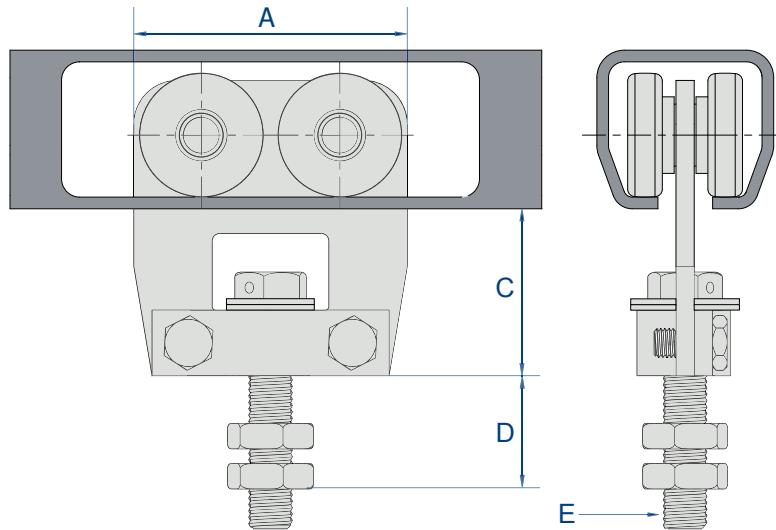
# ***Sliding systems for CONCERTINA FOLDING doors with one half-panel***

## ***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
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	Joining 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
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	Joining 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
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	Joining 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
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	Joining bracket for U profile 50 x 60	



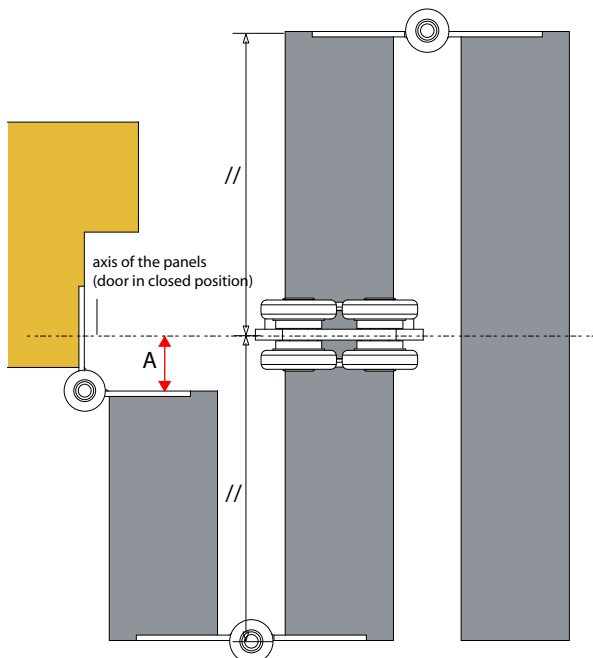


Item Nr	A	B	C	D max.	Ø E
9613	50	28	34.5	33	M 10
9633	62	35	39	40	M 12
9643	75	43.5	45.5	37	M 14
9653	100	60	56	37	M 16

## IMPORTANT RECOMMENDATION:

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

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



## 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

38

TROLLEYS with ball

39

STARAL (Aluminium range)

40-41

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

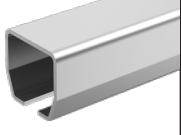



*PURTEC by MANTION*



**PURTEC**<sup>®</sup>  
by MANTION

[handling.mantion.com](http://handling.mantion.com)

## TROLLEYS WITH BALLS

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

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

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



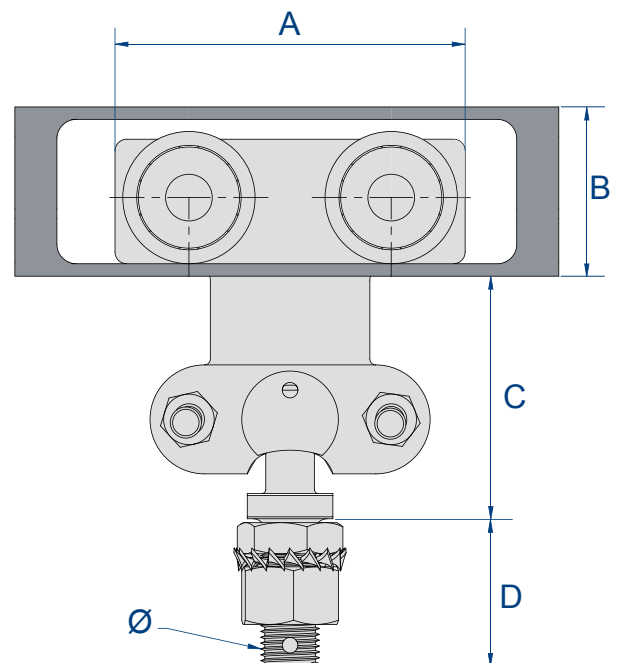
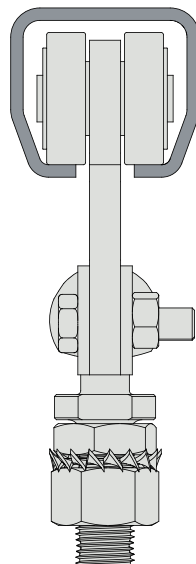
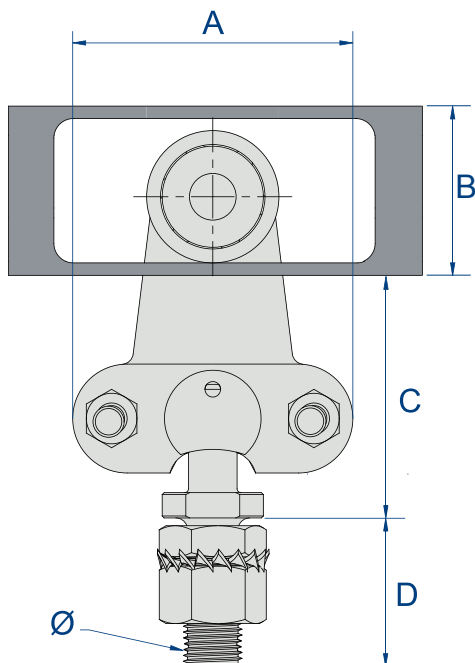
1

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



2

Item Nr	A	B	C	D	Ø
<b>9832RT</b>	67	35	71	33	M 12
<b>9842RT</b>	90	43.5	82	41	M 16
<b>9852SRT</b>	112.5	60	114	50	M 20
<b>9862SRT</b>	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	



1



2



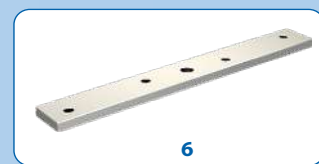
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4



5



6



7



8



9



10



11



12



13



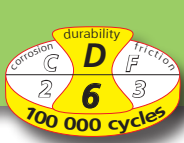
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15

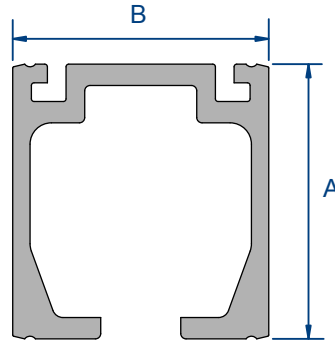
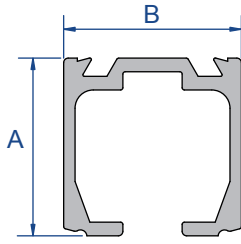


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# STARAL

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**	10063**
	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

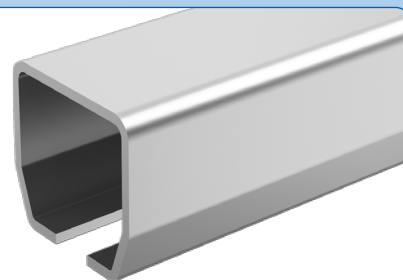
1109/400	Galvanised U profile 25 x 17 mm, 4 m long	4
1109/500	Ditto - 5 m long	4
1109/600	Ditto - 6 m long	4
1110/400	Galvanised U profile 30 x 30 mm, 4 m long	4
1110/500	Ditto - 5 m long	4
1110/600	Ditto - 6 m long	4
1115/600	Galvanised U profile 50 x 60 mm, 6 m long	

## 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**



## Á «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 !!!!**

## Á 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).

## Á 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.

## Á 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.

## Á MANTION ROLLING:

Manton 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, Manton can offer steel tracks with a High Limit of Elasticity.

## Á MANTION AND ITS TEST LABORATORY:

Manton, 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 Manton to assay the endurance of all its sliding systems in order to comply with the requirements of the ISO 9001 standard.

## Á TRACKS AND CURVES IN SPECIAL LENGTHS:

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

## **SLIDSOFT**<sup>®</sup> : online configurator

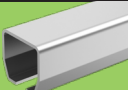

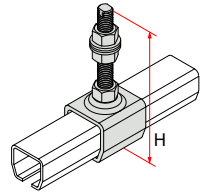

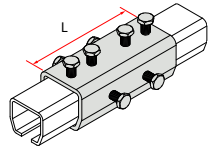

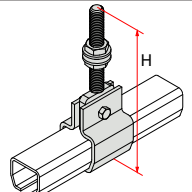
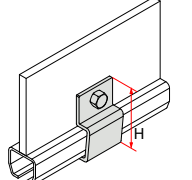

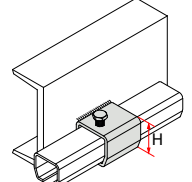

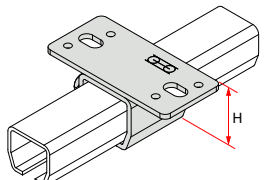

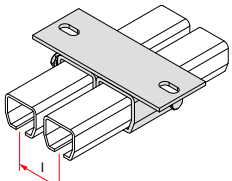

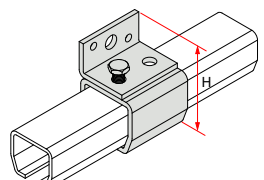

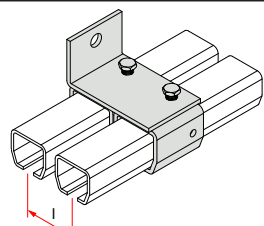
discover SLIDSOFT<sup>®</sup> on [WWW.MANTION.COM](http://WWW.MANTION.COM)









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

All accessories are white galvanised

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

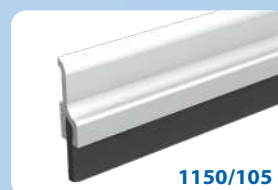
1301TN	Catch stop, cathaphoresis treated, screwing type. Standard version	10
1302	Catch stop, raw steel. Reinforced version	4
1310N	Stopper in stainless steel «brush finish», Locking distance = 35 mm, height 140mm - width 40 mm	12
1311N	Stopper in stainless steel «brush finish», Locking distance = 35 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, 1314E and 1314SO	
1314GP	Keeper of bolt for 1314, 1314E and 1314SO	
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, 1316E and 1316SO	
1316GP	Keeper of bolt for 1316, 1316E and 1316SO	
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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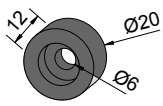
## PULLEYS

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.	

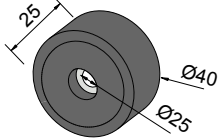


La pose d'une brosse (sur les bas et les côtés), apporte une étanchéité efficace aux portes coulissantes

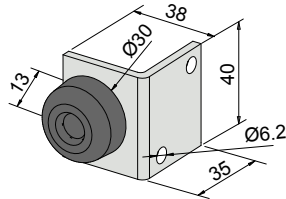




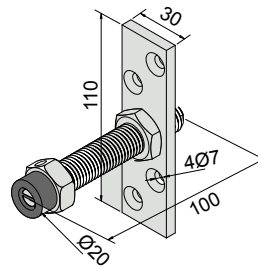
**4023**



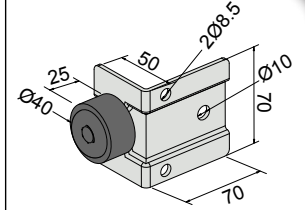
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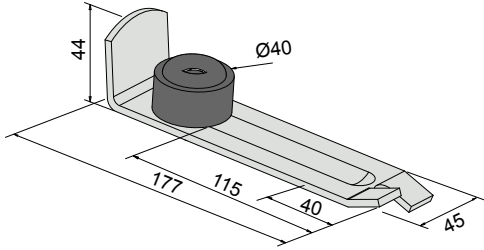
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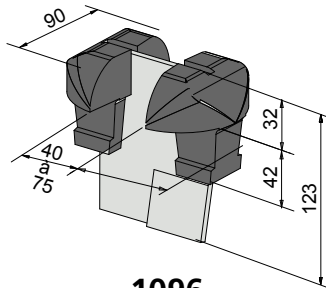
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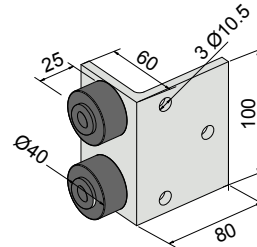
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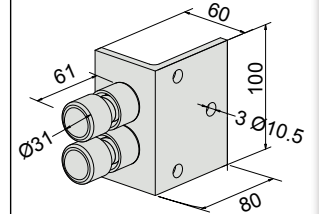
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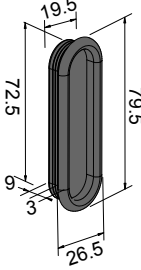
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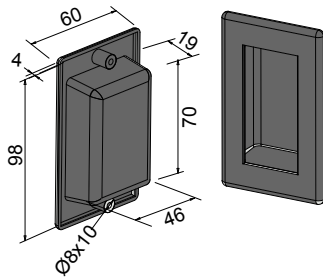
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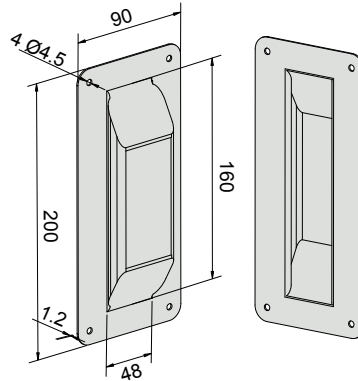
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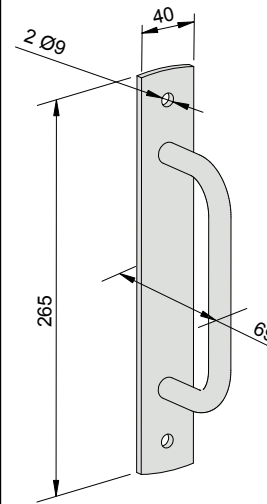
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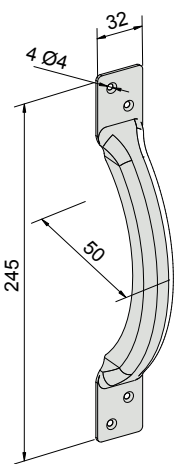
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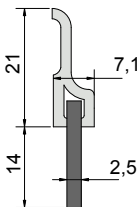
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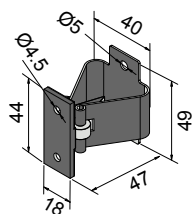
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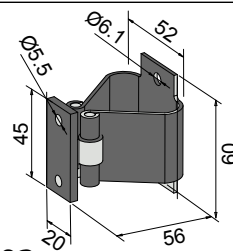
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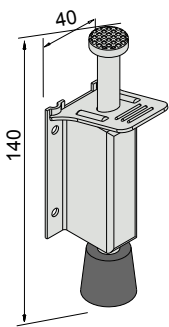
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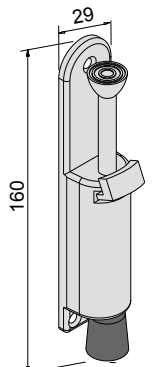
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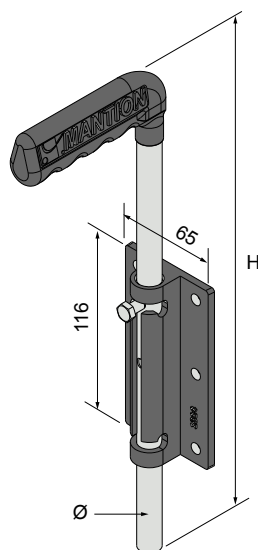
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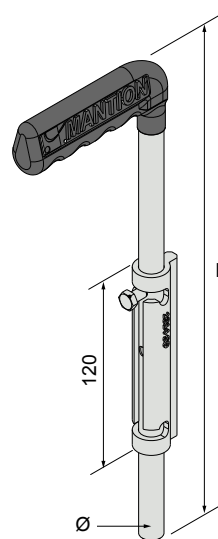
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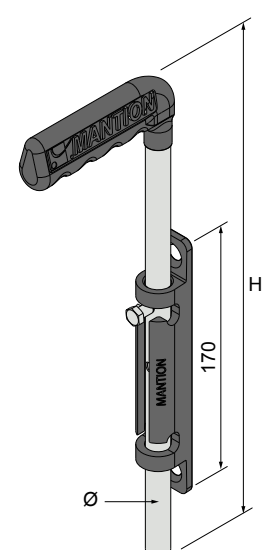
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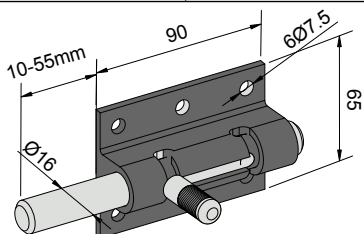
**1314 - 1316**



**1314SO - 1316SO**




**1314E - 1316E**



**1316B**

## BOTTOM GUIDES

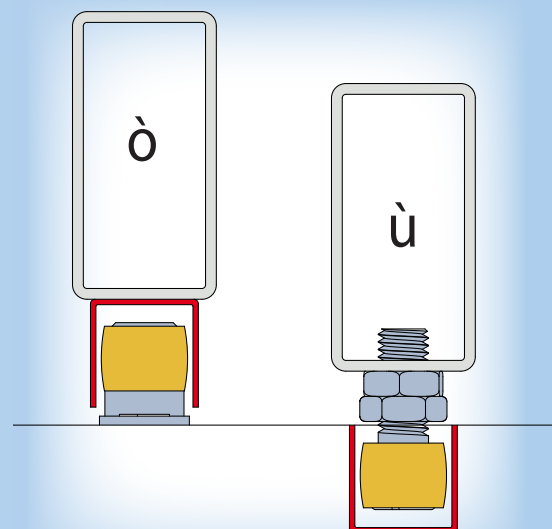
Item Nr	Description	
1090	Guide for vertical sealing with a zytel olive Ø 45 mm	10
1091	Guide for horizontal sealing with a zytel olive Ø 45 mm	4
1091V	Adjustable guide with a zytel olive Ø 45 mm. Screwing type	4
1092	Guide for horizontal sealing with 2 zytel olives Ø 45 mm	6
1092V	Adjustable guide with 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	Bottom guide with a brass olive, on a reinforced plate. Sealing type - For U-profile 30 x 30 mm	10
1101	Ditto reinforced	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	



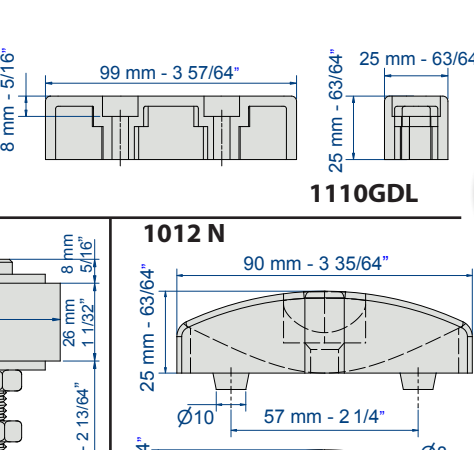
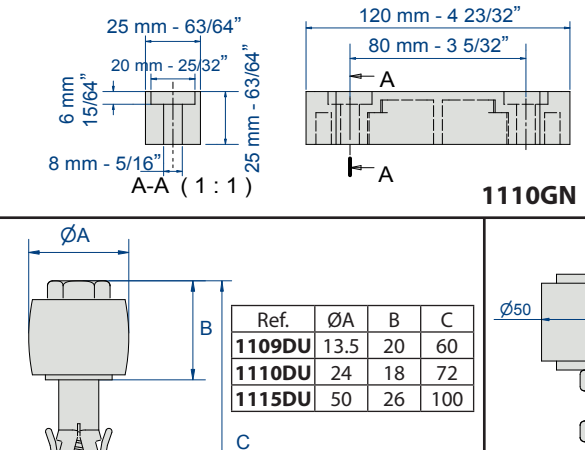
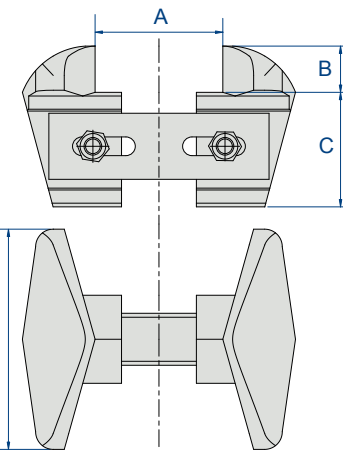
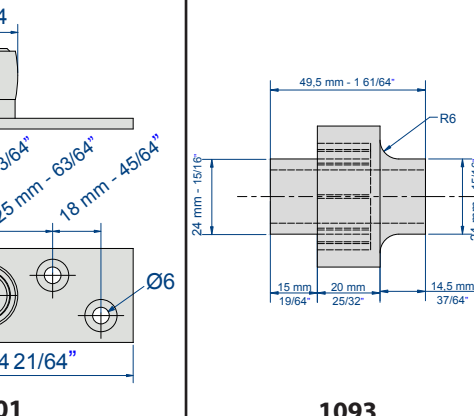
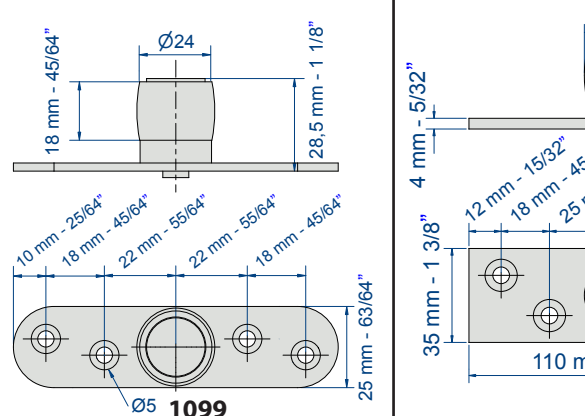
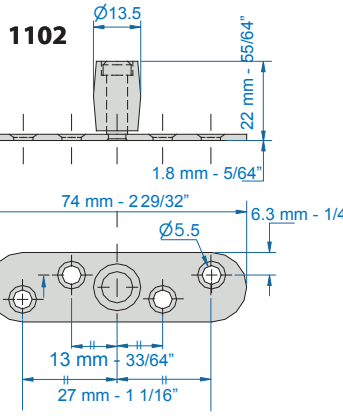
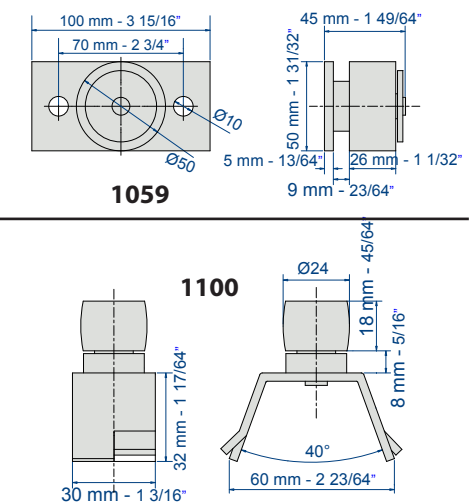
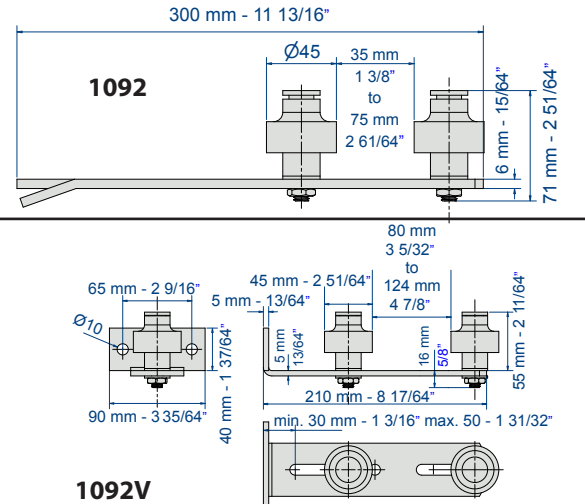
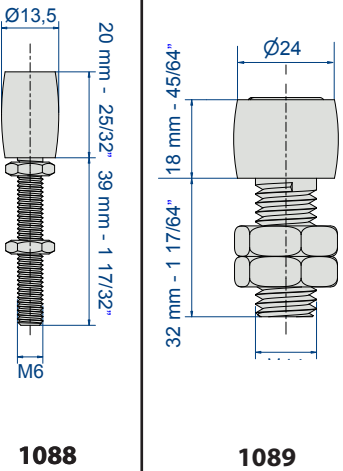
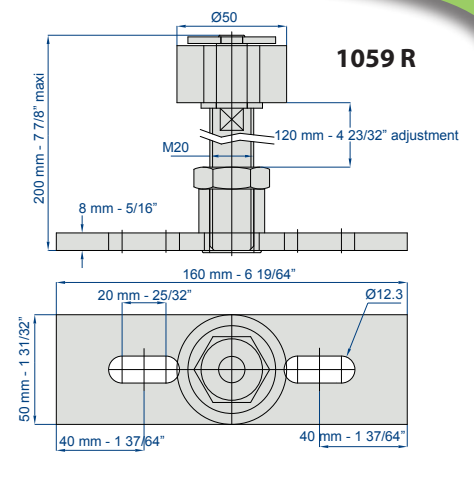
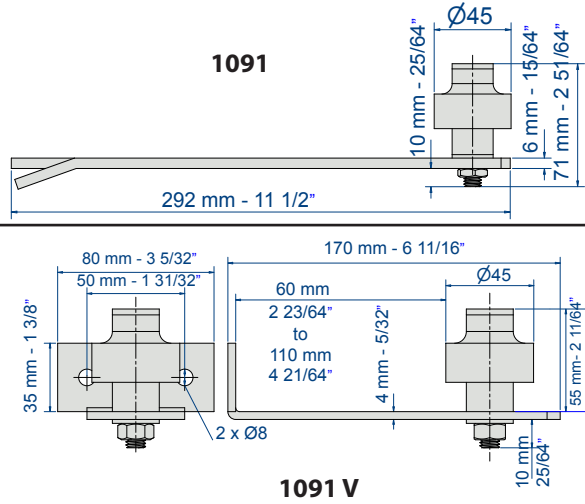
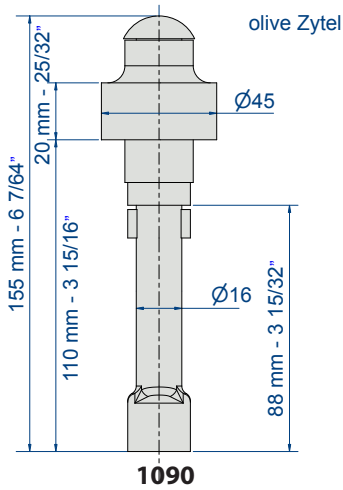
## HOW TO CHOOSE THE RIGHT GUIDE TO YOUR U-PROFILE?

### CHOICE OF THE GUIDE ACCORDING TO THE DOOR WEIGHT

Door weight	U-profile	Recommended guides	
		ò □	ù □
from 0 to 90 Kg	<b>1109</b>	1102 - 1109DU	1088
from 90 to 180 Kg	<b>1110</b>	1099 - 1110GN - 1110DU	1089
from 180 to 400 Kg	<b>1110</b>	1101 - 1110GN - 1110DU	1089
from 400 to 900 Kg	<b>1115</b>	1059 - 1115DU	1115KW
from 900 to 2000 Kg	<b>1115</b>	1059	1115KW
from 2000 to 3000 Kg	<b>1115</b>	1059	1115KW

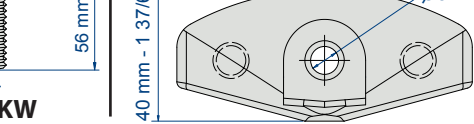
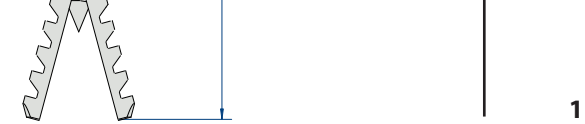
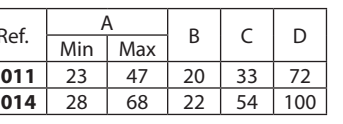
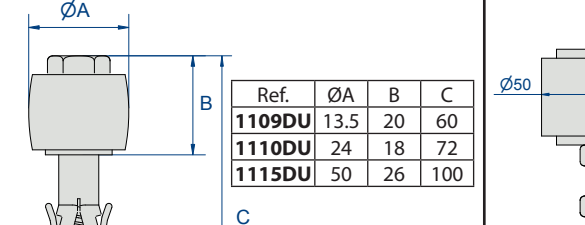
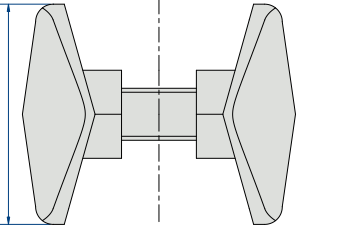
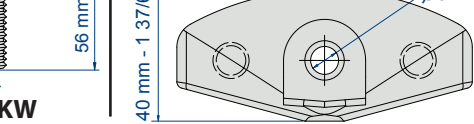


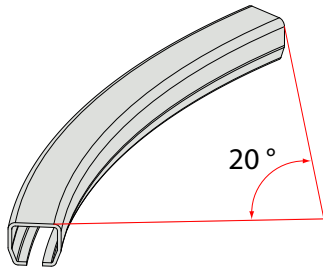
All U-profiles are available in 4 m, 5 m and 6 m length ( see on p. 42)



Ref.	A		B	C	D
	Min	Max			
<b>1011</b>	23	47	20	33	72
<b>1014</b>	28	68	22	54	100

Ref.	ØA	B	C
<b>1109DU</b>	13.5	20	60
<b>1110DU</b>	24	18	72
<b>1115DU</b>	50	26	100

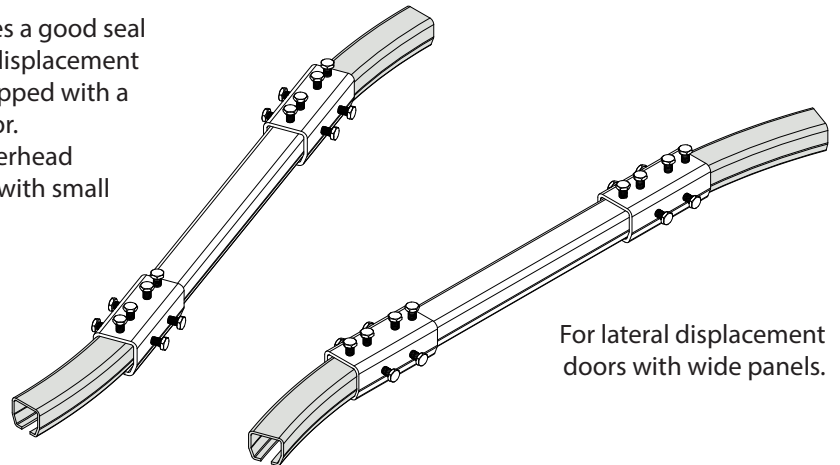




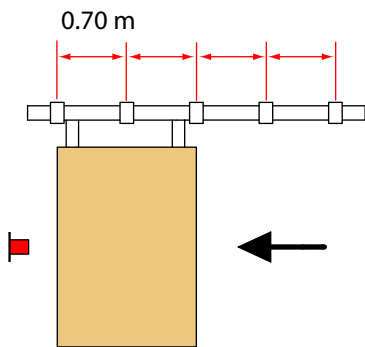
### ASSEMBLY POSSIBILITIES OF THE CURVE SECTORS:

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

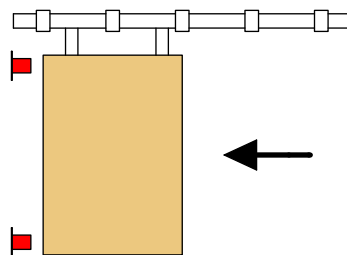
Curve sector		Radius
Track	Item Nr	
9010	9010 CS	500
9030	9030 CS	600
9040	9040 CS	600
9050	9050 CS	600
9060	9060 CS	800



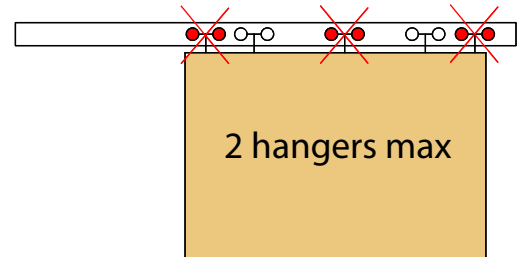
For lateral displacement doors with wide panels.



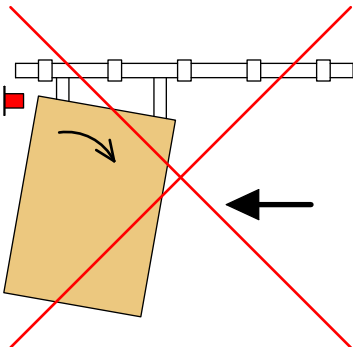
1 stop in the middle part



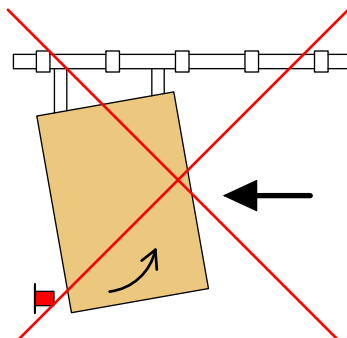
1 stop in the upper part  
1 stop in the lower part



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:

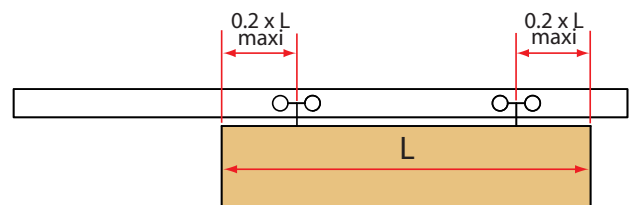
1 point: to be placed at mid-height of the door  
2 points: 1 stop at the upper part and 1 at the lower part.  
Other stop fixing positions are not recommended.

### 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.

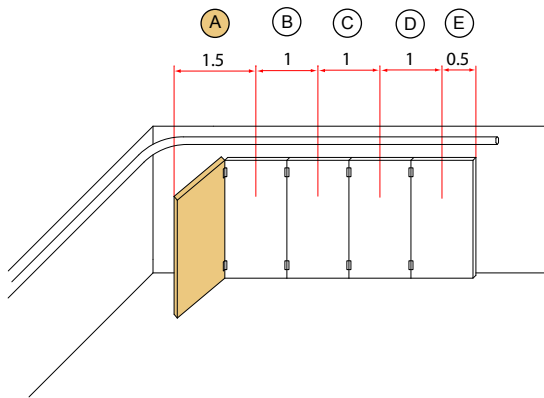
### POSITION OF THE HANGERS:

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 times the weight of 1 panel.

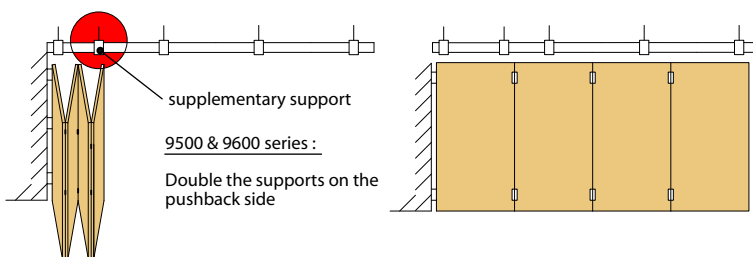
This means that for any lateral displacement door equipped with a service door, the capacity of each hanger will equal at least 1.5 times the weight of a panel.

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

## 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.

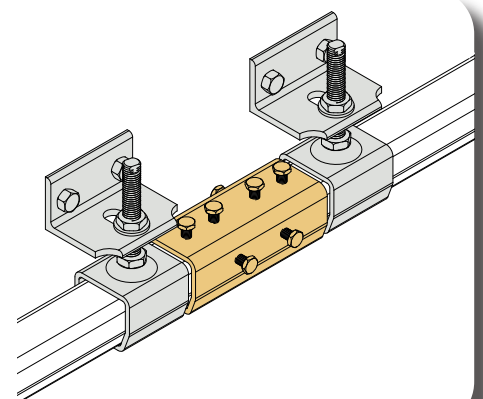
### SPECIAL CASE: 9500 and 9600 series



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



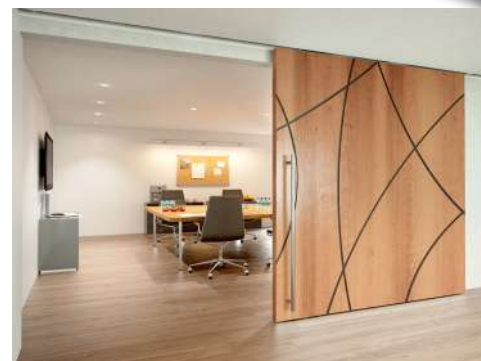
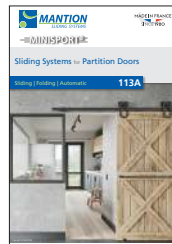
handling systems

## Our range for INTERIOR DOORS

113A

Sliding systems for:

- folding doors
- partition doors
- pocket doors

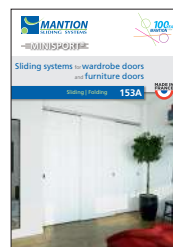


## Our range for WARDROBE DOORS

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®

214A

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



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SINCE 1920



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*Our products are exported to more than 100 countries,  
with branches and warehouses  
in 8 countries.*

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#### MANTION® SAS

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[www.mantion.com](http://www.mantion.com)