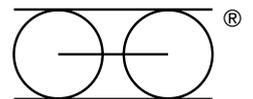




MANTION

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**CATALOGUE
SPORTUB**

211A



We offer you the widest range of fittings for sliding doors

MANTION HAS AN INTERNATIONAL REPUTATION BASED ON:

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

THE MANTION KNOW-HOW MEANS BEFORE ALL:

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

WITH MANTION, YOU BENEFIT FROM A TOP QUALITY SERVICE:

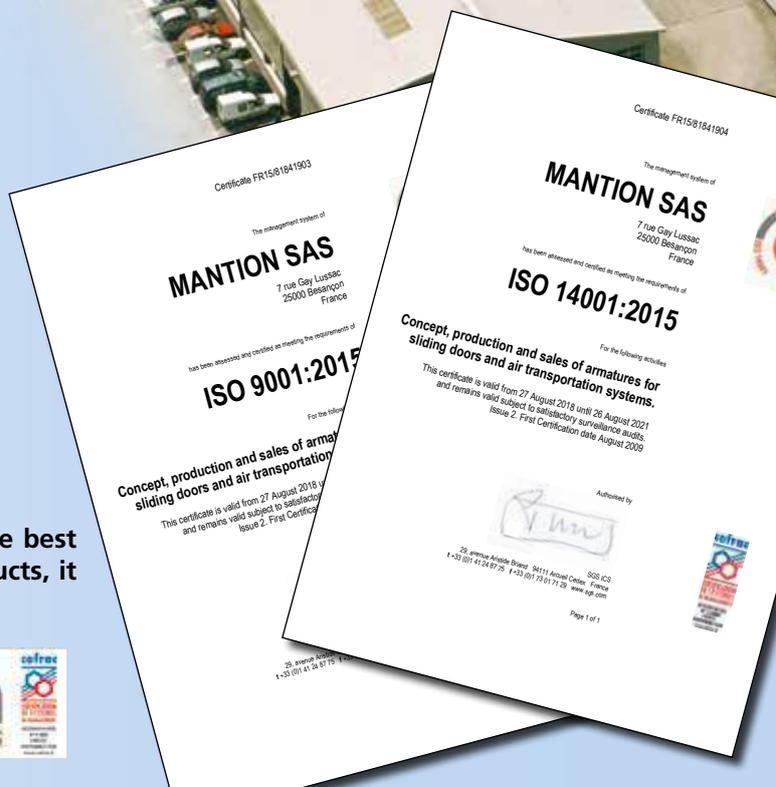
Salesmen who listen to your needs and advise you.
A strong technical aid: an engineering department and technical advisers at your disposal.
The study and the development of special products upon request.
Very short delivery time.
Very high quality products.

MANTION, THIS IS ALSO A COMPLETE RANGE:

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

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

EN ISO 9001: 2015
EN ISO 14001: 2015





TRACKS OF QUALITY

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



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

Simple and efficient:

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

What does the European standard EN 1527 indicate?

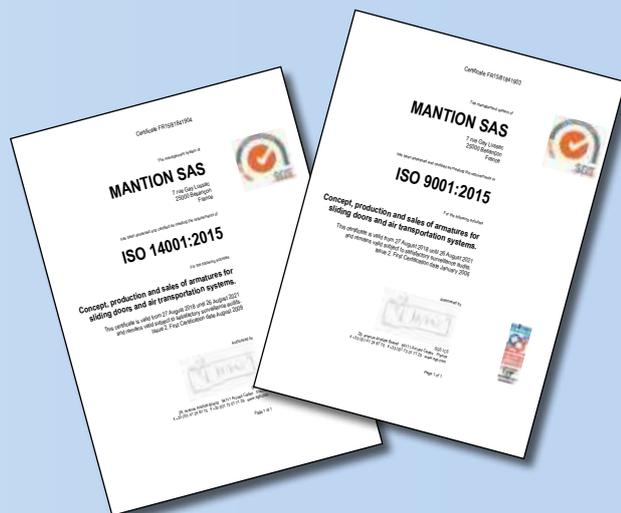
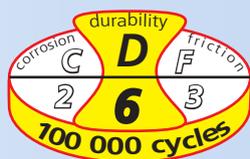
It defines **objective quality criteria for a complete set of fittings for sliding doors** (tracks, brackets, rollers, stops and guides):

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

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

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

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



CORROSION RESISTANCE [C]

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

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

INITIAL FRICTION [F]

calculated without the use of damper closer or hydraulic closer stop

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

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

**Percentage of the mass

DURABILITY [D]

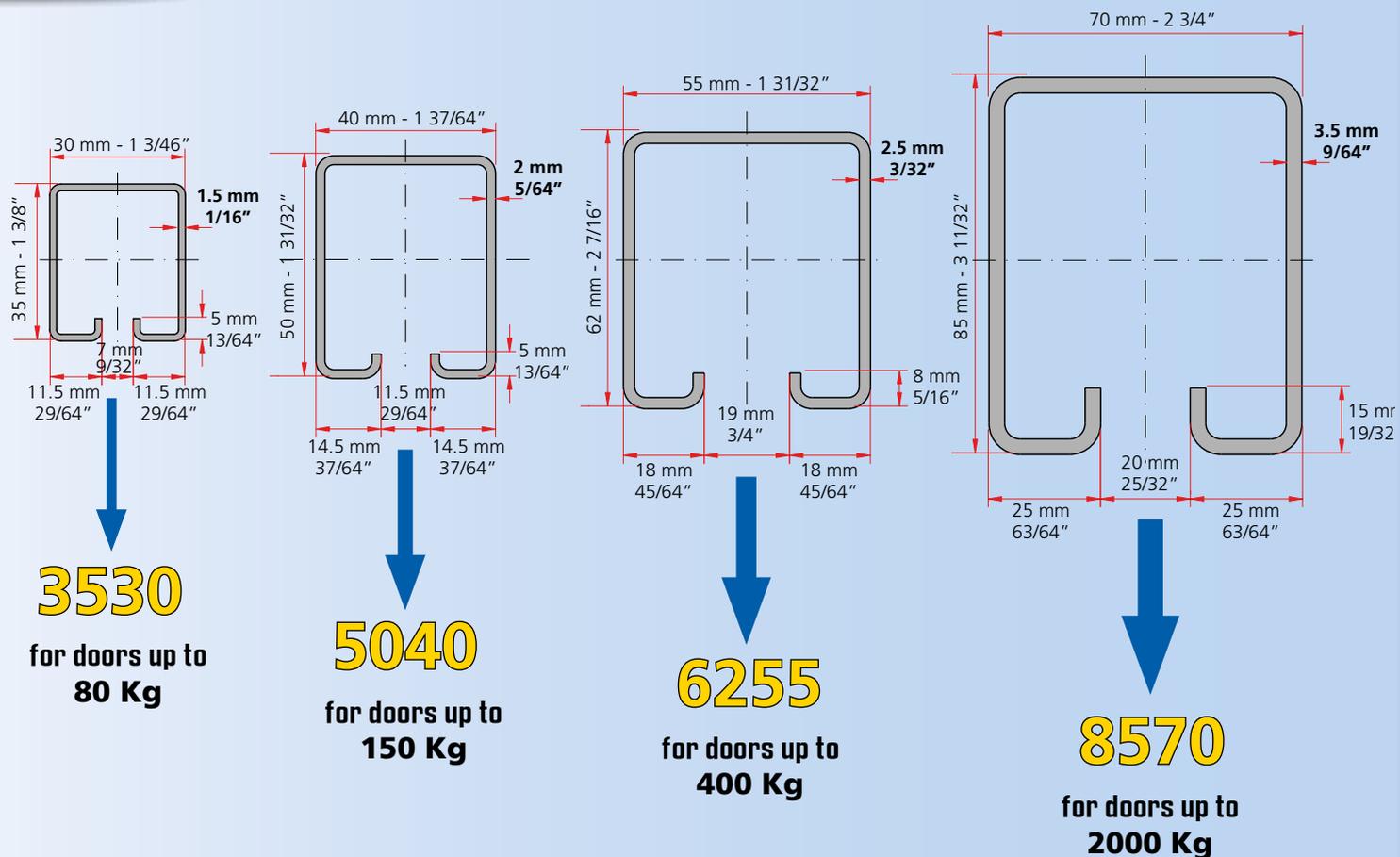
grade 1	grade 2	grade 3	grade 4	grade 5	grade 6
5 000 c*	10 000 c*	25 000 c*	50 000 c*	75 000 c*	100 000 c*

*Number of cycles

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

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

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

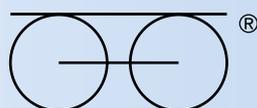


In order to guaranty high quality systems,
Mantion manufactures its own profiles:

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

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

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



CAPACITY / PANEL: up to 150 kg

TRACK: 3530 to 8570

MOVEMENT: STRAIGHT FOLDING

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

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

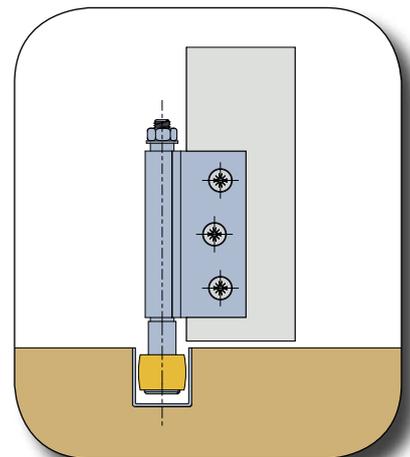
Place a complementary bracket on the push back side and use brackets 8578MC or brackets 8578ML for doors over 500 kg

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

Floor guiding is imperative

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

FLOOR GUIDING:



Sliding systems for FOLDING doors with equal panels

500[®] Series



With screwing type hinges

28-29

With welding type hinges

30-31



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

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

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

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

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

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

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

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

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



1



2



3



4



5



6



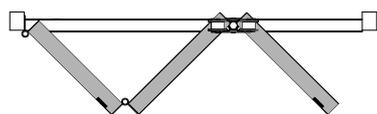
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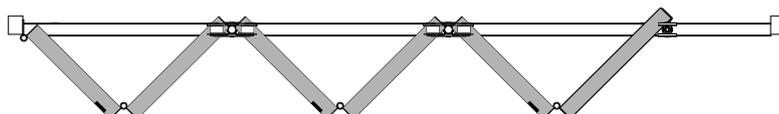
8

EXAMPLES OF ASSEMBLY:

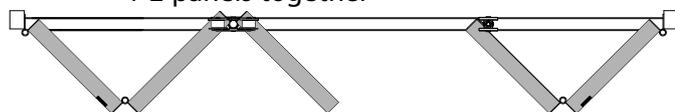
2 panels and 1 service door



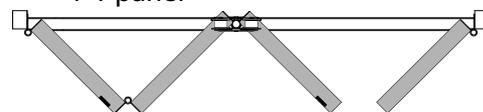
6 panels together



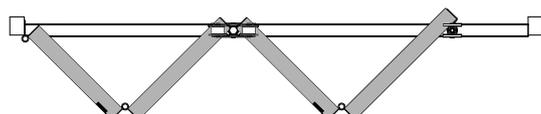
2 panels and 1 service door
+ 2 panels together



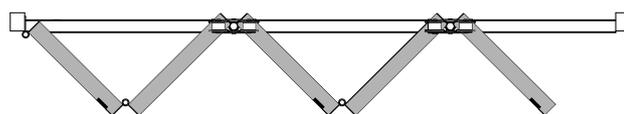
2 panels and 1 service door
+ 1 panel

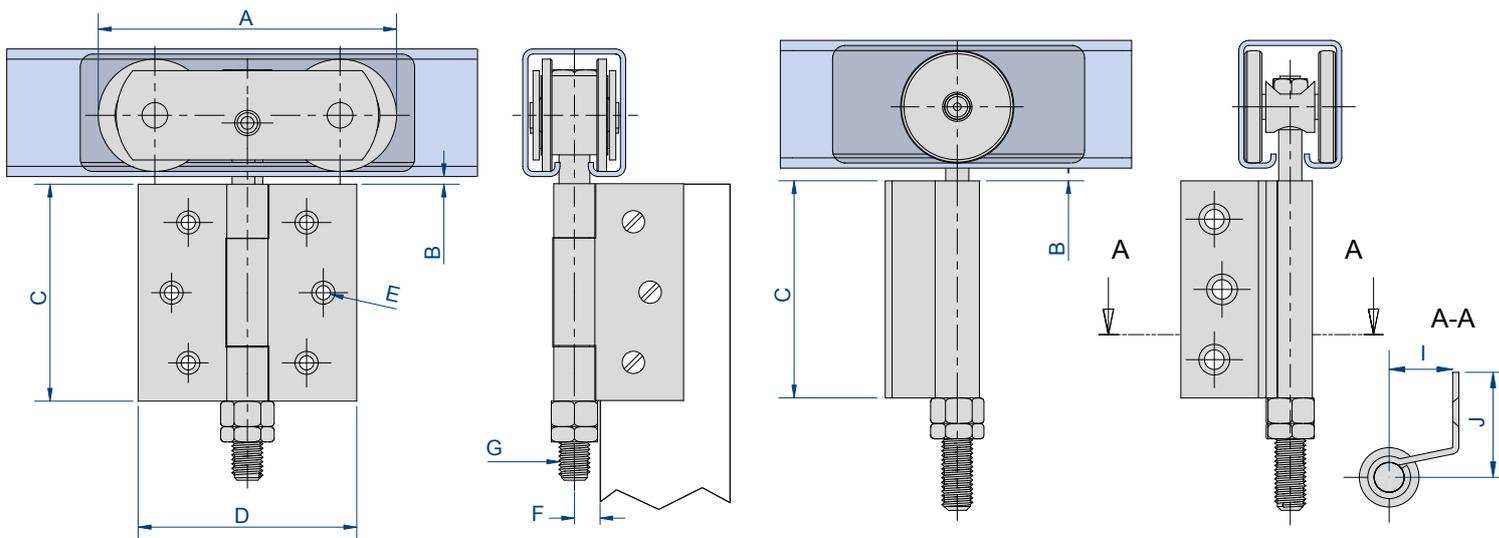
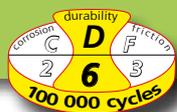


4 panels together



4 panels and 1 service door





Intermediate hangers

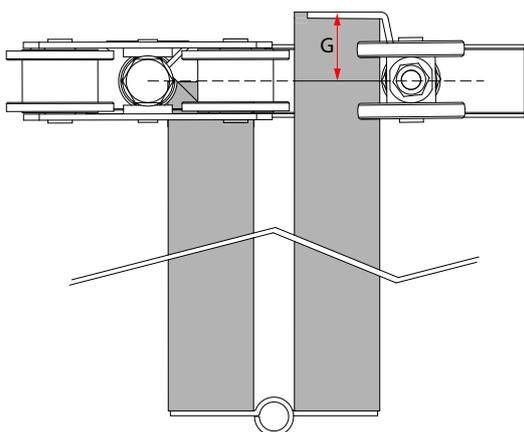
End hangers

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

USE OF END HANGERS:

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

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



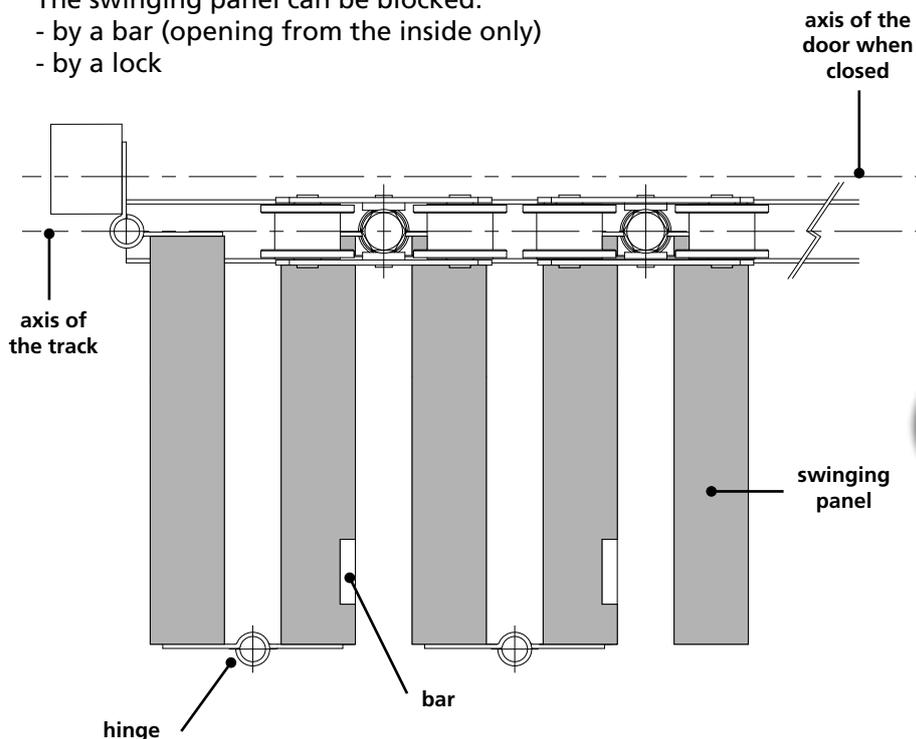
CROSS SECTION, TOP VIEW:

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

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

The swinging panel can be blocked:

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



See our assembly recommendations on p. 26



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

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

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

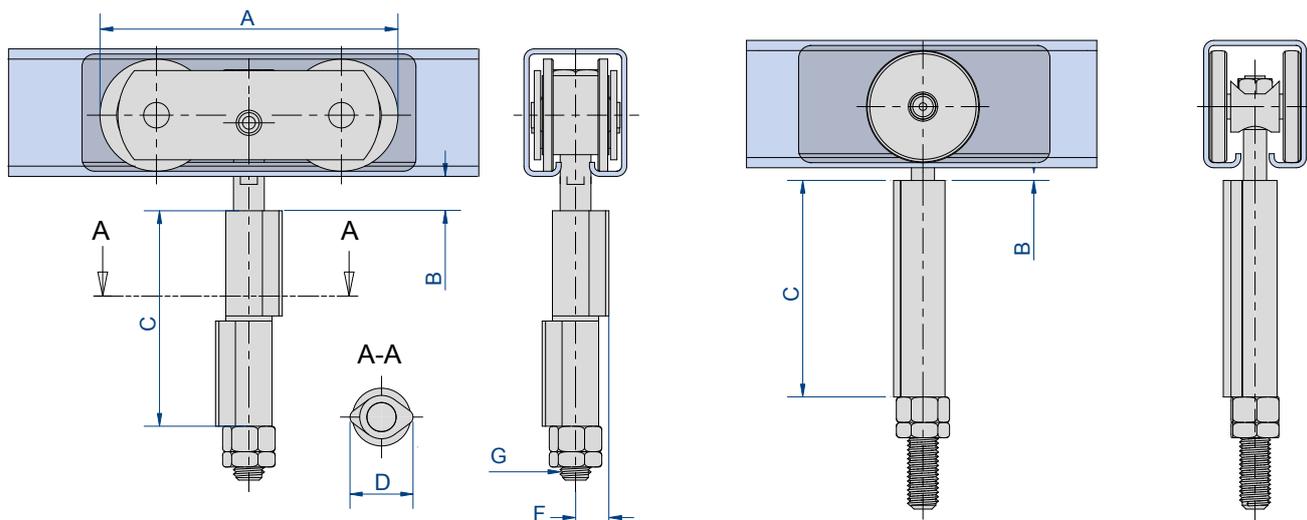
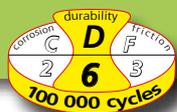
FOR PANELS UP TO 75 KG			Track: 6255
Item Nr	Fig.	Description	Pack.
0562SO	1	Intermediate hanger, mounted on a hinge (capacity 150 kg)	2
0562SOE	2	End hanger mounted on a 1/2 hinge (capacity 75 kg)	2
1106SO	3	Bottom guide mounted on a hinge for U profile 30 x 30 (1110)	1
1106SOE	4	End bottom guide mounted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

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



EXAMPLES OF ASSEMBLY:

See on previous page



Intermediate hangers

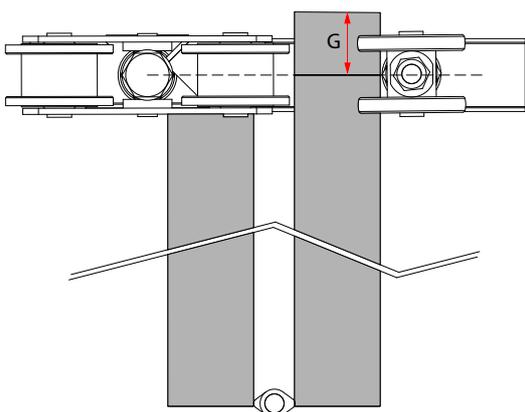
End hangers

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

DOOR WITHOUT SERVICE DOOR:

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

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



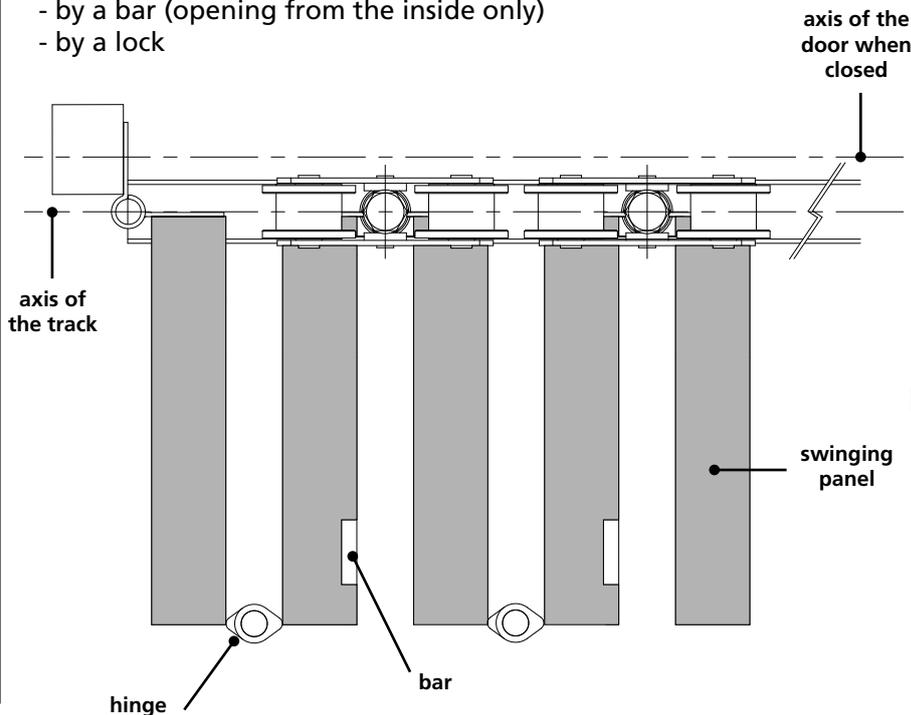
CROSS SECTION, TOP VIEW:

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

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

The swinging panel can be blocked:

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



See our assembly recommendations on p. 26

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

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

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

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

TRACK	3530	5040	6255	8570
Track stop	1098	1098	2098	2098



see dimensions on p. 6



1098



2098

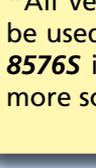
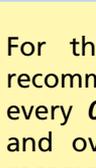
The capacities are indicated for a manual operation. In case of automatic operation, the capacity must be divided by 2.

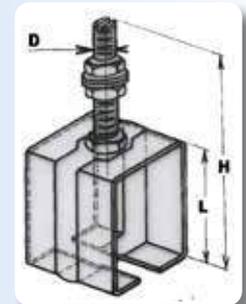
Check the dimensions and particularly the opening dimension. If this dimension is not correct, adjust the track by narrowing or widening its sides.

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

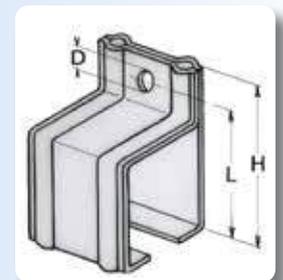
Before the use of the doors, it is recommended that the inside of the tracks be correctly cleaned and greased with bodied oil. To avoid any faulty sliding of the door, it is necessary to grease the inside of the tracks at least every 6 months.



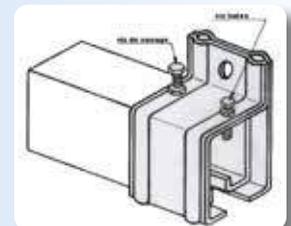
Track section:	25 x 25	35 x 30	50 x 40	62 x 55	85 x 70	85 x 70
Description	Item Nr					
	2521	3531	5041	6256	8571	8578MC*
	2521L	3531L	5041L	6256L	8571L	8578ML*
		3631	5141	6356	-	-
		3634	5144	6359	-	-
	2521M	3531M	5041M	6256M	8578M*	8578M*
	2521MC	3531MC	5041MC	6256MC	8578MC*	8578MC*
	2521ML	3531ML	5041ML	6256ML	8578ML*	8578ML*
		3631M	5141M	6356M	-	-
		3634M	5144M	6359M	-	-



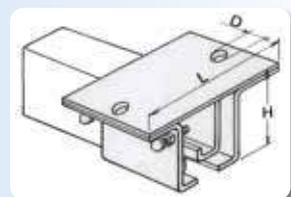
Fixing bracket



Wall-fixing bracket



Use of the jointing bracket as end bracket



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

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

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

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

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

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

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

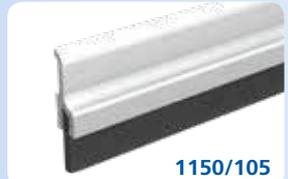
STOPS		
Item Nr	Description	Pack.
4023	Buffer stop Ø 20 mm	20
2692	Buffer stop Ø 40 mm	20
1085	Adjustable stop fixed on a plate for doors sliding between 2 walls	
1086	Screwing type stop with rubber buffer for door up to 80 Kg	
1094	Sealing type stop with rubber buffer	
1095	Ditto - reinforced version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

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

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

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

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



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



BOTTOM GUIDES

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



1090



1091



1091V



1093



1092



1092V



1088



1089



1100



1102



1099



1101



1059



1011 / 1014



1012 / 1015



1012N



1110GN

UPPER GUIDES

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



1052



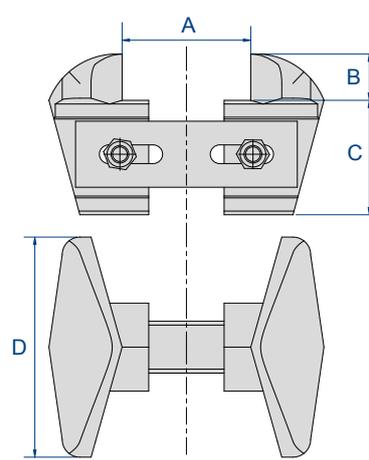
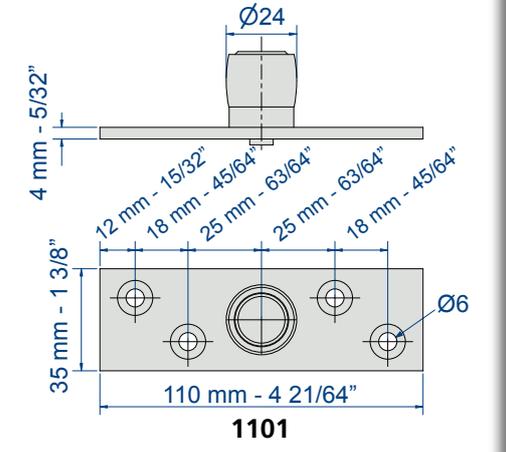
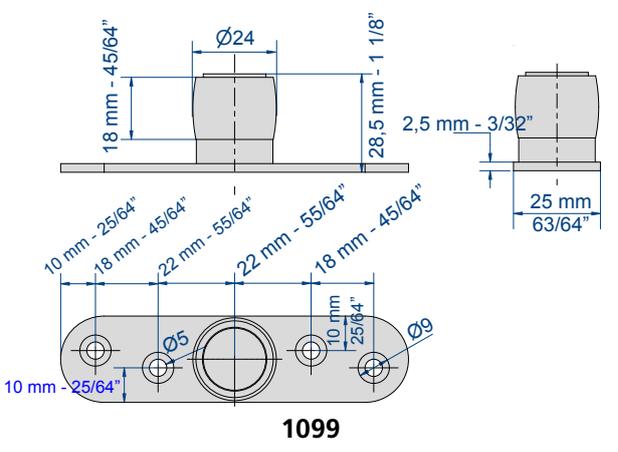
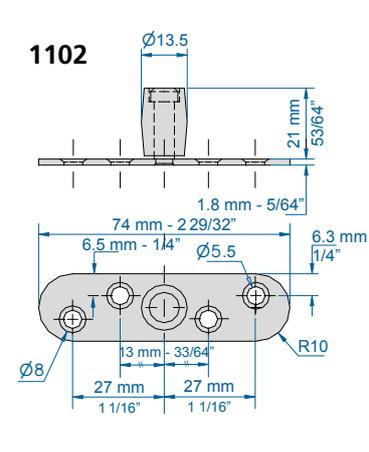
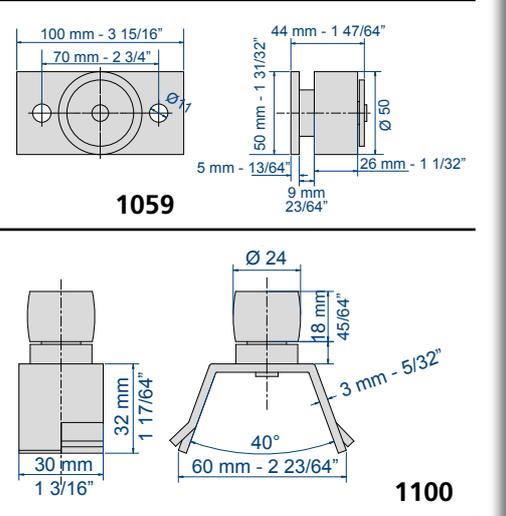
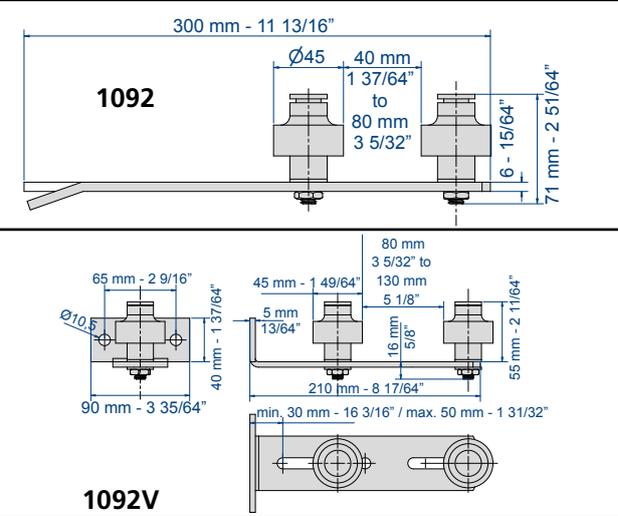
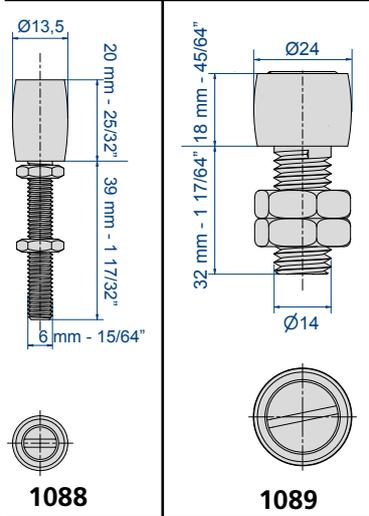
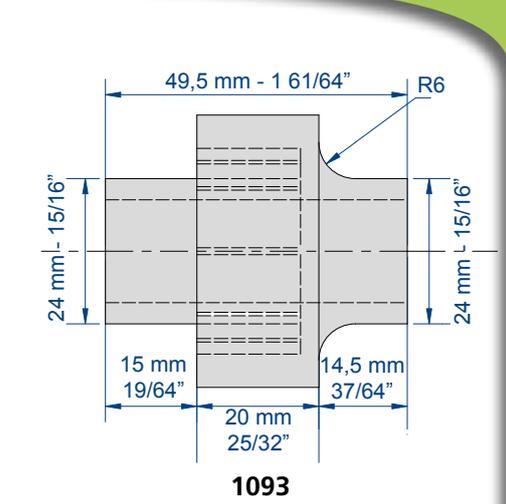
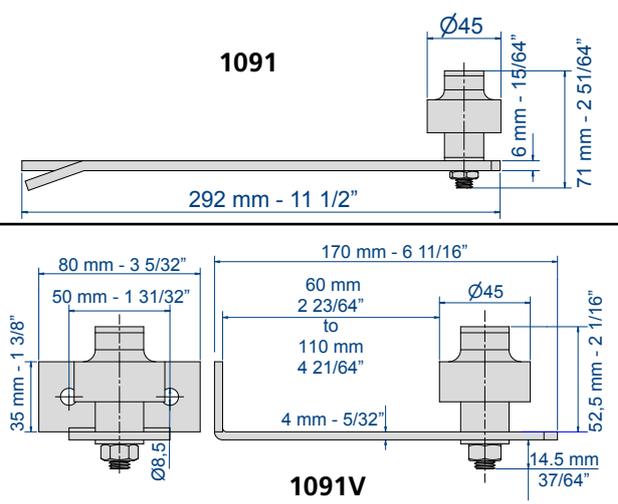
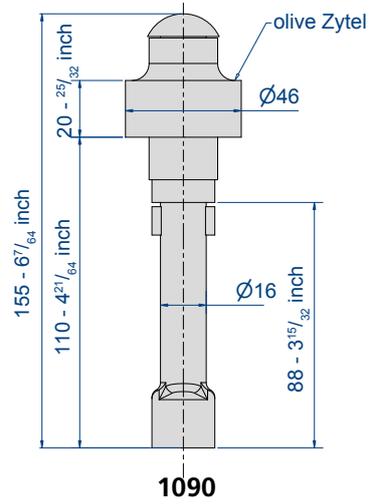
1052L



1053



1053L



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

