



**RS 120 /
RS 120 Synchro**

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RS 120 / RS 120 Synchro

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General information



Rugged track

The hollow profiled aluminum track is light yet rugged and resistant to twisting. It can be fixed directly under the ceiling or onto a wall and simply cut to the required size.

Clip-on covers

The covers are made of aluminum, and are easily clipped onto the track. If the track is top fixed, onto the ceiling, the covers are used on both sides; if the track is side fixed, the cover is used on the exposed side only. The covers also can easily be cut to size.

Sidelight profile

A special profile to be hung and screwed into the track is available for the use with fixed sidelights. It ensures that the sidelight glass is mounted with the correct distance to the track. As a matter of course the sidelight profile can be provided with clip-on covers. Furthermore the free sidelight profile in the passage area can be covered from below by a bottom view protection profile.

Gentle, easy action

The carriers run on large nylon wheels, with needle bearings, giving a quiet and very low friction ride. They are made from high grade, glass fibre reinforced nylon, which is corrosion-resistant and extremely strong.

End stop and holder

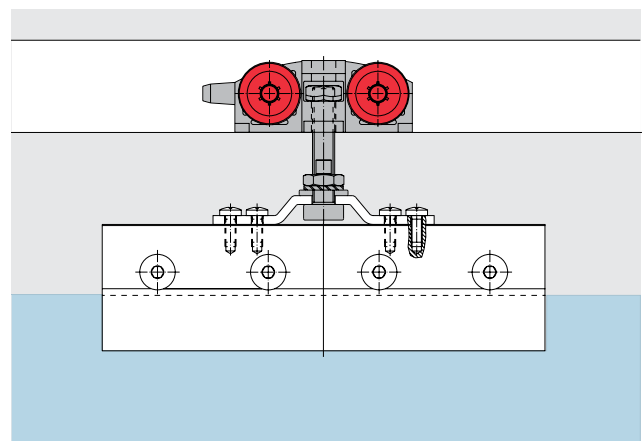
There is a clever device in the track which operates as a cushioned end stop, retaining the door securely in the end positions.

Synchro version

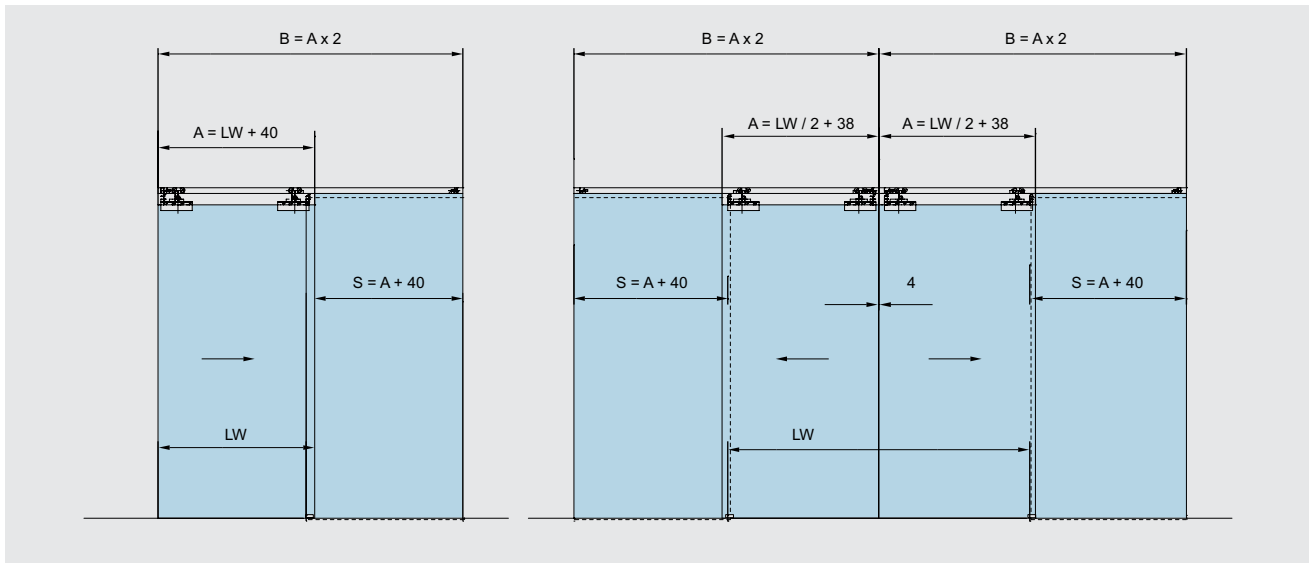
By a special cable and deflection device a synchronously opening system for a two-panel assembly can be realised. As only one of the panels has to be moved, the greatest possible operating convenience for maximum passage width is guaranteed.

No glass preparation

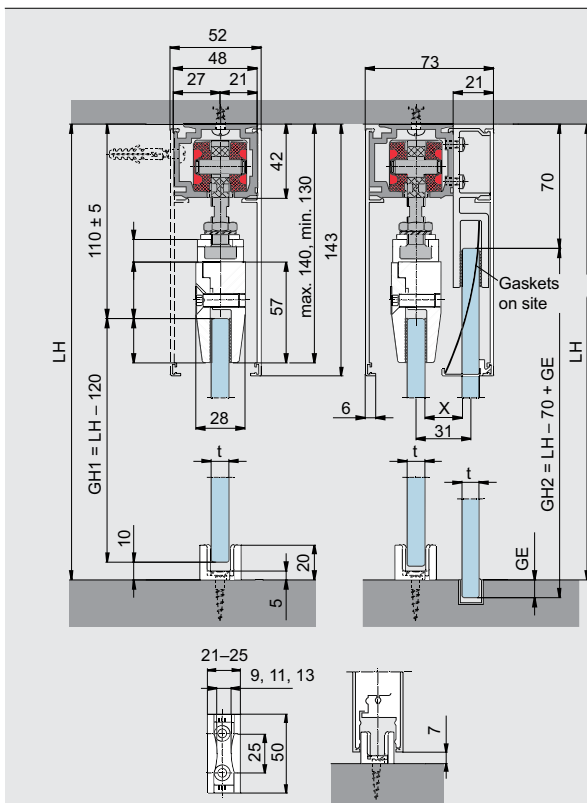
dormakaba has a wide experience in working with toughened glass, and this has led to the development of a clamping system which is all that is required for securing the glass blades in the RS sliding door gear. This has the additional benefit of allowing some door height adjustment, after the door is hung, without dismantling the already fixed glass.



Type illustrations



Features and Data



Adjustable floor guide

t	x
6 mm	23 mm
10 mm	21 mm
12 mm	19 mm

RS 120

For one or more door panels, with or without sidelights;
8, 10 and 12 mm glass thickness.

Maximum weight of door panels

No. of carriers	max weight (kg) per door leaf
2	120
3	150

Torque for screws in the clamping patches

20 Nm

Calculation of glass height

Height of sliding door leaf:

$$GH1 = LH - 120$$

(see drawing left hand)

Height of sidelight:

$$GH2 = LH - 70 \text{ mm} + GE \text{ (see drawing right hand)}$$

Calculation of glass width

Width of sliding door leaf:

$$A = LW + 40 \text{ (min. 500)}$$

Width of sidelight:

$$S = A + 40$$

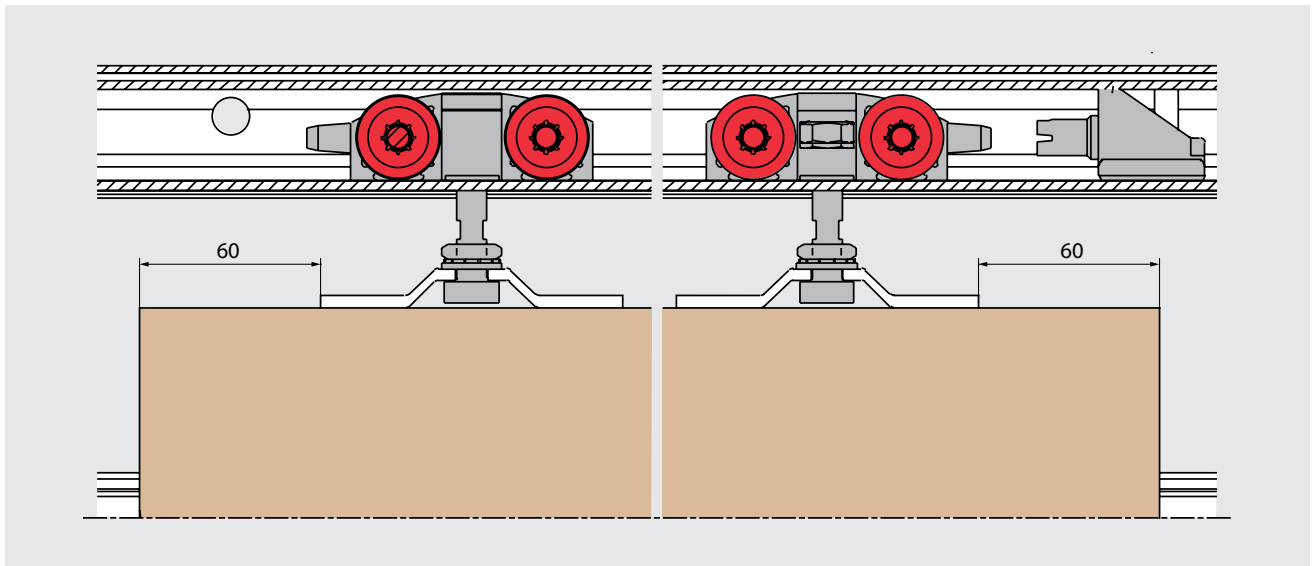
Note:

In order to maximise the protection afforded to the glass, we recommend that spacer 29.420 be fitted to sliding doors that move in opposite directions (see page 111).

A = Width of door leaf
B = Length of track
GH1 = Glass height of sliding door leaf
GH2 = Glass height of sidelight
GE = Glass rebate depth

LH = Clear opening height
LW = Clear opening width
S = Width of sidelight
t = Glass thickness

Sliding door system for timber doors

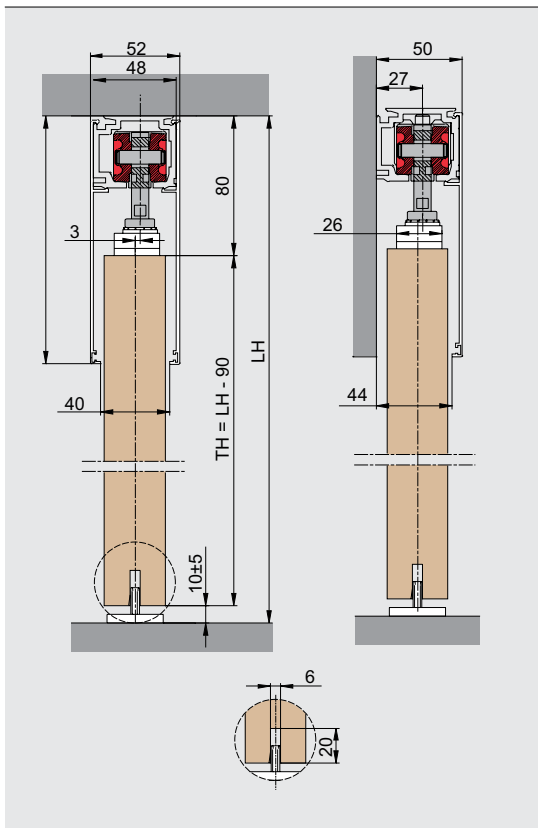


Sliding door system for timber doors

Features and data

No. of carriers

max weight (kg) per door leaf



RS 120

For one or more door panels.

2

120

Calculation of door panel height

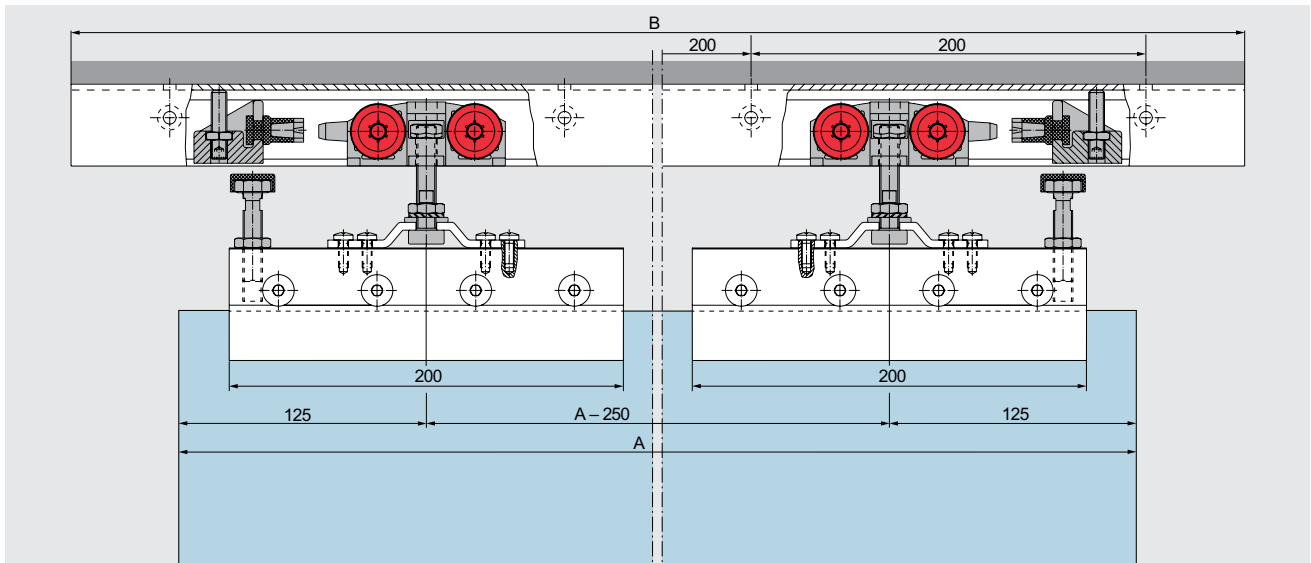
Height of sliding door leaf:

$$TH = LH - 90$$

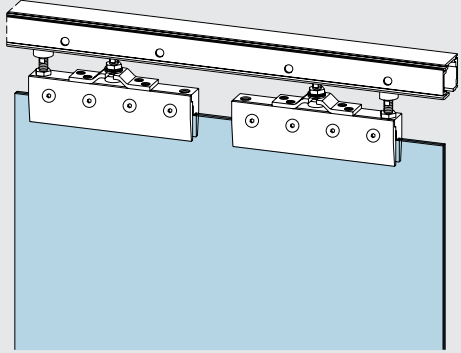
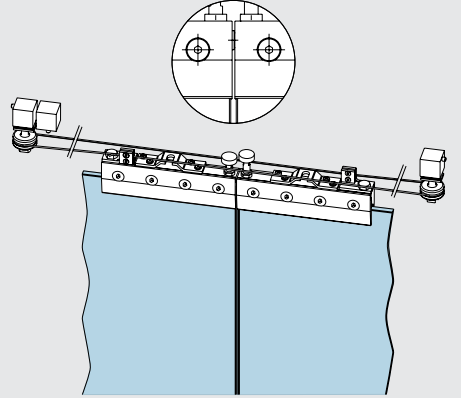
(see drawing left hand)

TH = door height
LH = clear opening height

Type illustrations ceiling installation

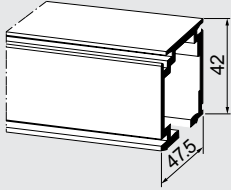
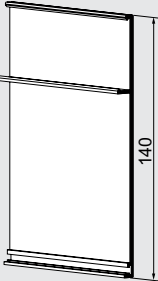
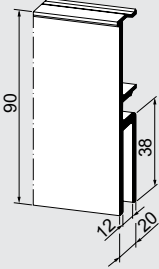
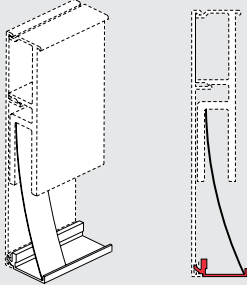


Opening to right side, Closing to left side (DIN Left)

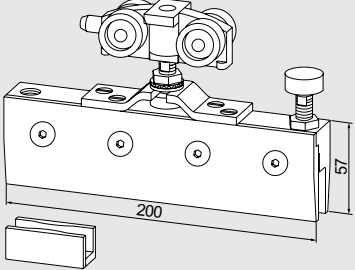
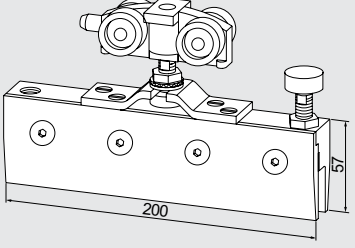
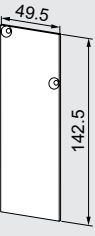
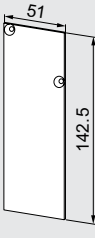
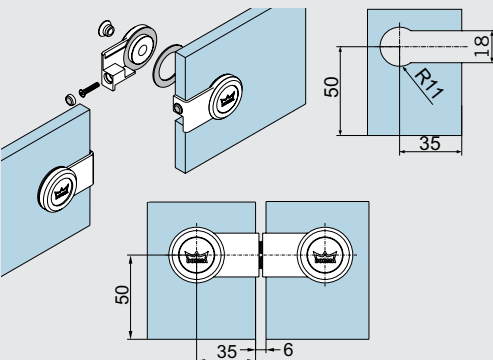
	Features and data	Track length B in mm	Weight in kg	Art. No.
	Sliding door gear RS 120 complete, consisting of 1 track, 2 carriers with clamping patches and support screw for 8 and 10 mm glass thicknesses, 2 end stops and 1 floor guide.	1,900	4.503	07.101
		2,900	5.858	07.102
	Sliding door gear RS 120 Synchro For 2-panel synchronously opening system, max. panel width = 2 x 1,000 mm, max. panel weight = 80 kg per panel, consisting of: 2 x accessory set 07.125 1 x deflection device incl. cable, adjustable			07.150

Track, if necessary sidelight profile, cover profile
 + view protection profile have to be ordered separately (see page 110).

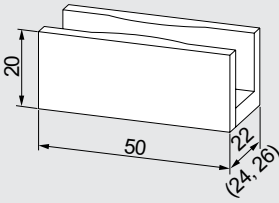
Component parts RS 120/RS 120 Syncro

	Features and data	Weight in kg/m	Art. No.
	<p>Track profile prepared for top or side fixing</p> <p>fixed length stock length 6,000 mm</p>	<p>1.355</p>	<p>07.131 07.121</p>
	<p>Cover profile for clip attachment with connecting web for view protection profile 07.137/138</p> <p>fixed length stock length 6,000 mm</p>	<p>0.826</p>	<p>07.141 07.140</p>
	<p>Sidelight profile connectable to track, non prepared</p> <p>fixed length stock length 6,000 mm</p>	<p>1.680</p>	<p>07.132 07.122</p>
	<p>Bottom view protection profile (only in combination with sidelight profile 07.132/122 and cover profile 07.141/140)</p> <p>fixed length stock length 6,000 mm</p>	<p>0.164</p>	<p>07.137 07.138</p>

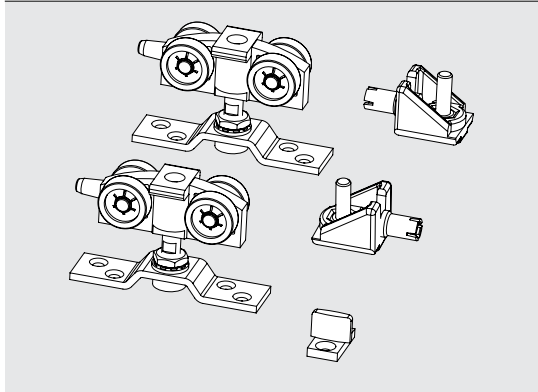
Accessories RS 120/RS 120 Synchro

	Features and data	Weight in kg/m	Art. No.
	<p>Set of accessories consisting of: 2 carriers with clamping patches (8 and 10 mm glass thicknesses) and support screw, 2 end stops with safety catch, 1 floor guide</p>		07.125
	<p>Additional carrier with clamping patches (8 and 10 mm glass thicknesses) for max. panel weight 150 kg</p> <p>Pair of intermediate aluminum plates for 12 mm glass thickness (for 2 clamping parts) (not illustrated)</p>		07.123 07.118
	<p>End cap track connected to wall left/right hand, incl. screws</p>	0.037	07.127
	<p>End cap track connected to ceiling left/right hand, incl. screws</p>	0.037	07.129
	<p>Spacer for sliding doors that move in opposite directions</p> <p>Please order our detail sheet 29-044-B for details of glass preparations.</p>		29.420

Floor guide

	Features and data	Weight in kg/m	Art. No.
	Floor guide, adjustable	0.024	07.126

Component parts for RS 120 for timber applications

Features and data**Art. No.****RS 120 accessories
for timber applications**

consisting of:
2 carriers,
2 end stops with safety catch,
1 floor guide

07.135

Safety-related information

Important safety-related information for the mounting and use of dormakaba glass fittings.

(Follow these instructions in addition to the mounting and operating instructions in order to avoid damage of product and damage to person or property.)

Important: All users have to be informed about relevant points mentioned in these safety-related information and the mounting and operating instructions!

General information

1. dormakaba recommends using TSG-H (heat soaked toughened safety glass) to DIN EN 12150-1.
2. dormakaba glass fittings are not suitable for application in rooms where chemicals (e. g. chlorine) are used such as indoor swimming pools, saunas or salt-water pools.
3. Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
4. Do not shut swing doors with excessive force. Install door stop to prevent door from opening too far.

Mounting

1. Only properly qualified and specially trained staff is authorised to mount dormakaba glass fittings.
2. Never use glass with conchoidal fractures and/or damaged edges.
3. Due to crushing hazards – among others in the area of the secondary closing edge – and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
4. Clean clamping area with fat solvent (standard commercial cleaning agent) before mounting the glass fitting.
5. Never use clamping shoes on structured glass surfaces (except on satined glass) or glass of heavily varying thickness unless with a corresponding levelling layer.
6. Never use clamping shoes on self-cleaning coatings.
7. When adjusting glass elements, always stick to the required clearance for the respective fitting. Adjust clearance so that the glass does not touch hard components such as glass, metal or concrete.
8. Make sure not to use excessive force when installing the glass (avoid local stress resulting from very tight screws).

Maintenance

Check fittings at regular intervals for proper positioning and smooth running and door for correct adjustment. Especially highly-frequented door systems require inspection by properly qualified staff (specialised companies or installation firms). Immediately replace damaged glass elements (no glass flaking and/or conchoidal fractures)!

General care instructions

The surface finishes of the fittings are not maintenance-free and should be cleaned according to their material and design.

- For metallic surfaces (anodised finishes, stainless steel) please use appropriate cleaning agents without abrasive additives only.
- For varnished surfaces please use appropriate solvent-free cleaning agents only.
- Brass surfaces (without surface protection) have to be treated with an appropriate maintenance agent on occasion, to avoid tarnishing.

The printed colours indicating the surface finishes are not 100% true, but do provide a useful guide. Statements made with regard to the nature or use of the products are for the purposes of descriptions. Assent with regard to the existence of particular properties or particular uses always requires special written agreement. Pictures may show special designs which are different to the standard scope of delivery.

Subject to change without notice.



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