

**RS 120 /  
RS 120 Synchro**

## 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

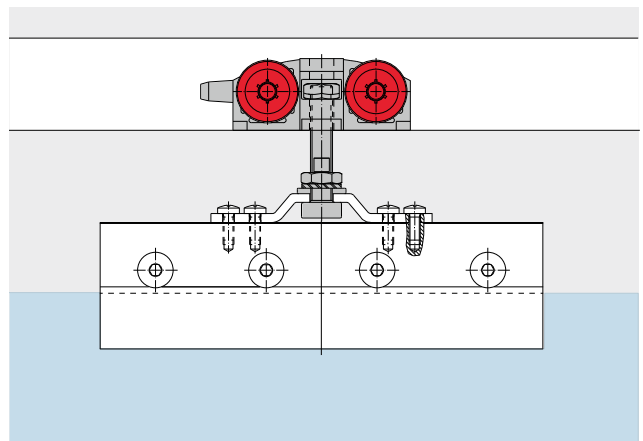
There is a clever device in the track which operates as a cushioned end stop, retaining the door securely in the end positions.

### Synchro version

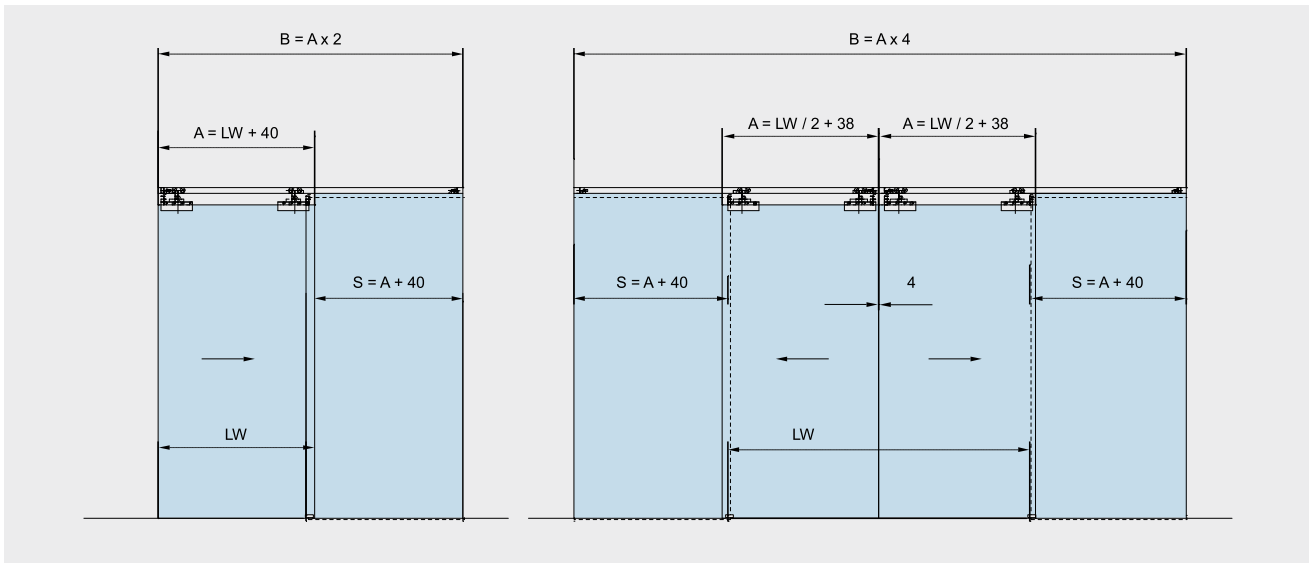
By a special cable and deflection device a synchronously opening system for a two-panel assembly can be realised. As only one of the panels has to be moved, the greatest possible operating convenience for maximum passage width is guaranteed.

### 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.

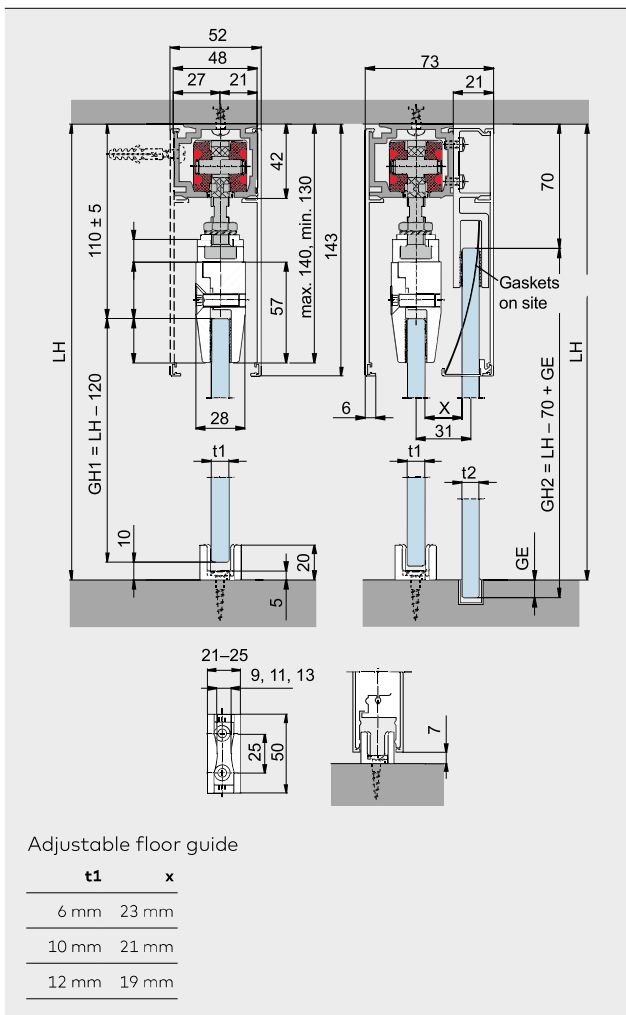


# Type illustrations



### Fixed at ceiling

### Product description



#### 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:

$$GH2 = LH - 70 \text{ mm} + GE$$

#### Calculation of glass width

Width of sliding door leaf:

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

Width of sidelight:

$$S = A + 40$$

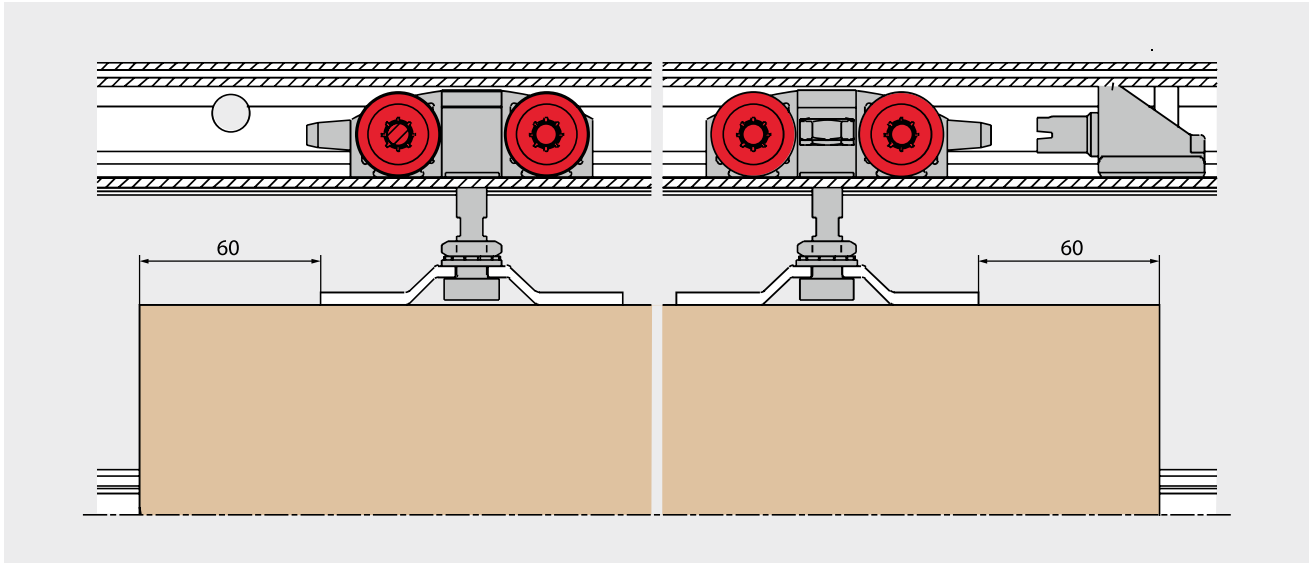
#### Note:

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 119).

- 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
- t1 = Glass thickness sliding panel
- t2 = Glass thickness side panel

# Sliding door system for timber doors



**Sliding door system  
for timber doors**

**Product description**

**No. of carriers**

**max weight (kg)  
per door leaf**

**RS 120**

For one or more door panels.

2

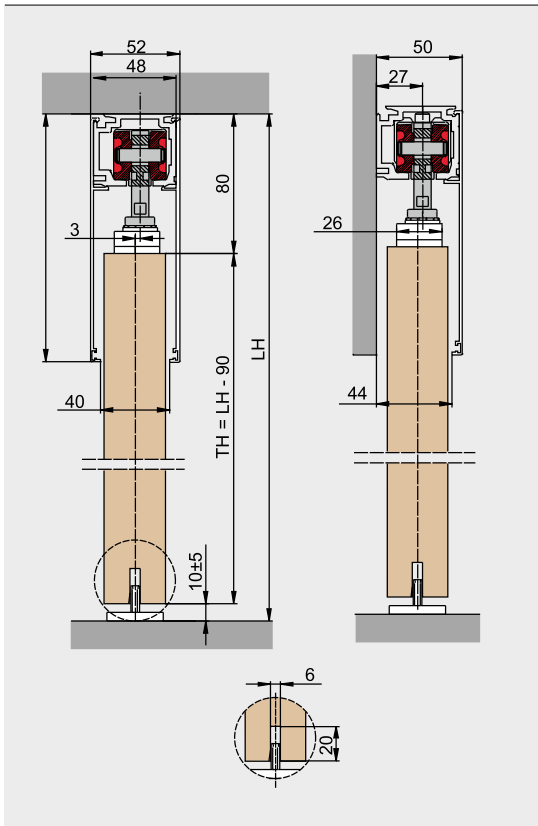
120

**Calculation of door panel  
height**

Height of sliding door leaf:

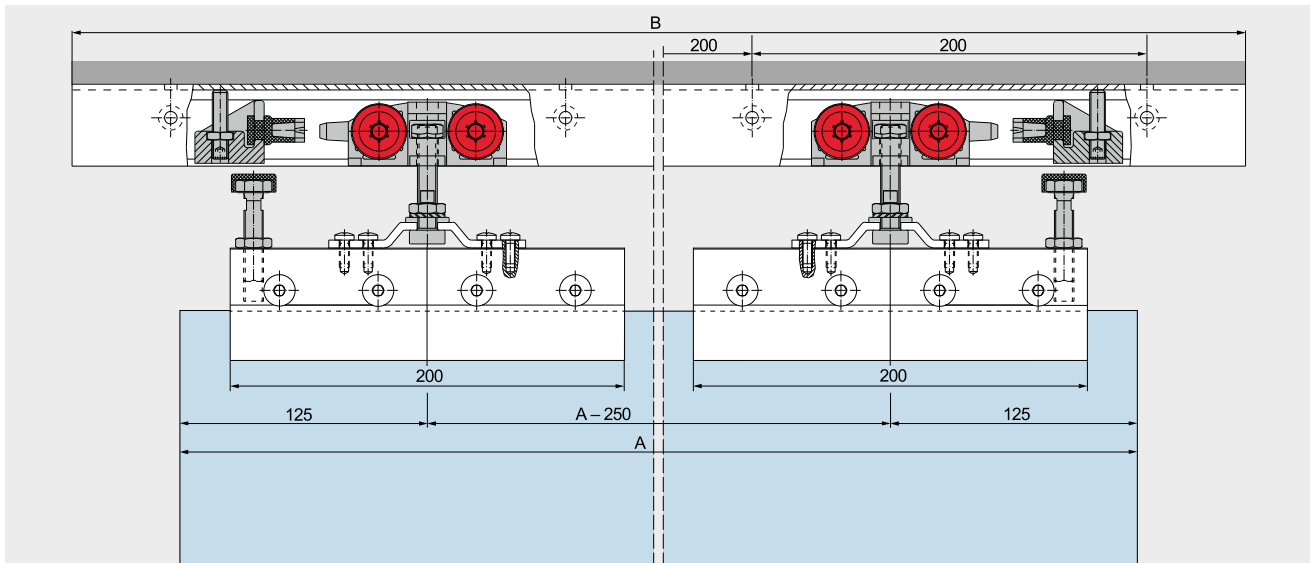
$$TH = LH - 90$$

(see drawing left hand)

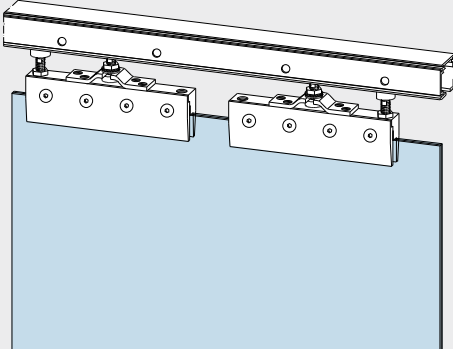
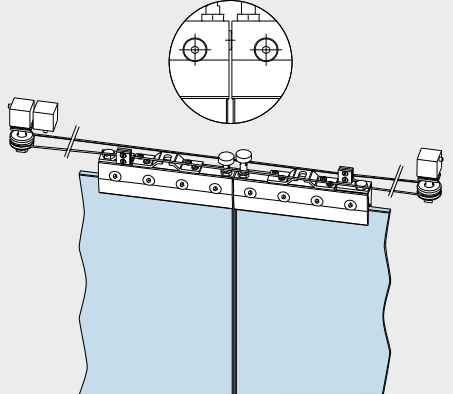


TH = door height  
LH = clear opening height

# Type illustrations ceiling installation

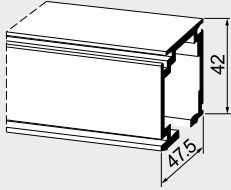
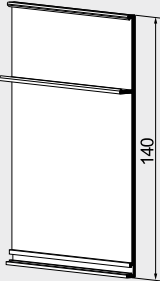
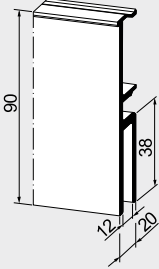
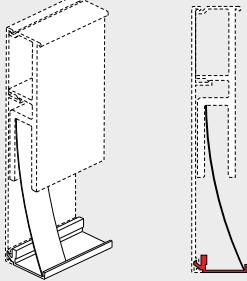


Opening to right side, Closing to left side (DIN Left)

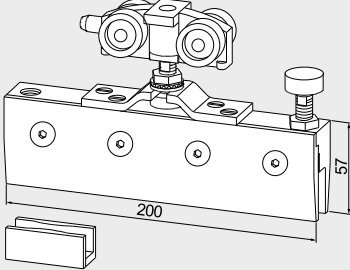
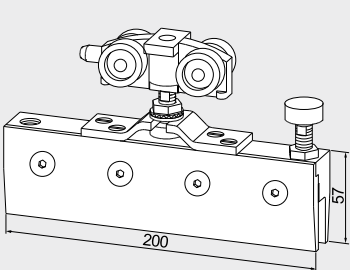
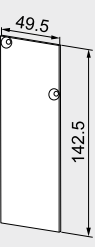
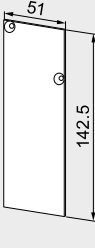
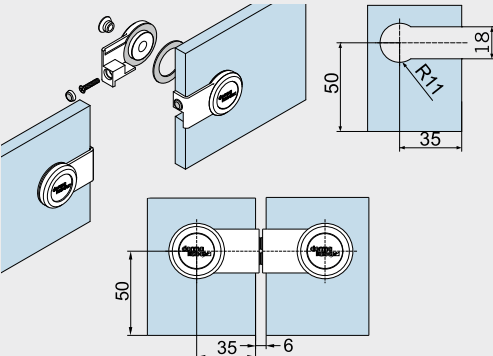
Fixed at ceiling	Product description	Track length B in mm	Weight in kg	Art. No.
	<b>Sliding door gear RS 120 complete, consisting of:</b> 1 track, 2 carriers with clamping patches and support screw for 8 and 10 mm glass thicknesses, 2 end stops and 1 floor guide.	1,900	4.503	<b>07.101</b>
		2,900	5.858	<b>07.102</b>
	<b>Sliding door gear RS 120 Synchro For 2-panel synchronously opening system,</b> 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			<b>07.150</b>

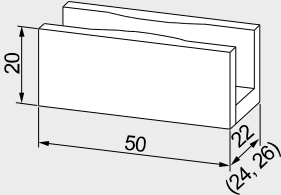
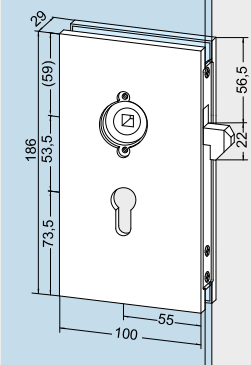
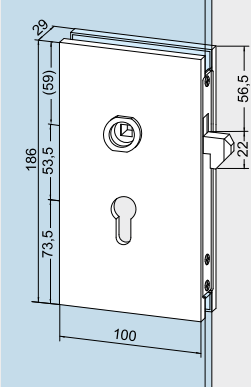
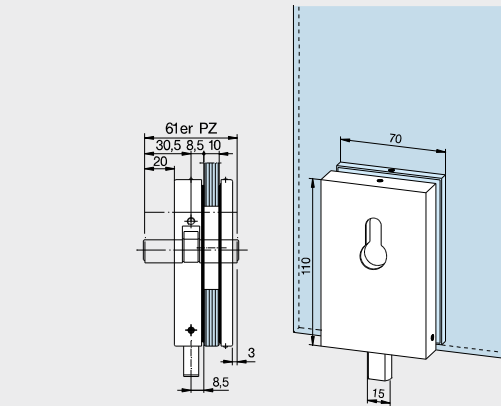
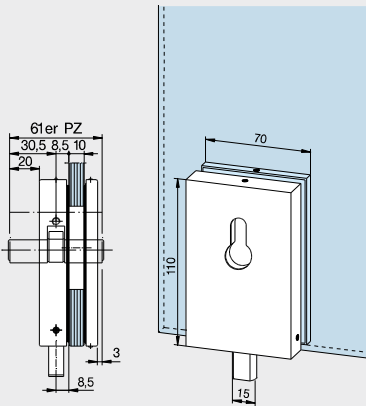
Track, if necessary sidelight profile, cover profile  
 + view protection profile have to be ordered separately (see page 118).

# Component parts RS 120/RS 120 Syncro

	Product description	Weight in kg/m	Art. No.
	<p><b>Track profile</b> prepared for top or side fixing</p> <p>fixed length stock length 6,000 mm</p>	1.355	<p><b>07.131</b> <b>07.121</b></p>
	<p><b>Cover profile</b> for clip attachment with connecting web for view protection profile 07.137/138</p> <p>fixed length stock length 6,000 mm</p>	0.826	<p><b>07.141</b> <b>07.140</b></p>
	<p><b>Sidelight profile</b> non prepared</p> <p>fixed length stock length 6,000 mm</p>	1.680	<p><b>07.132</b> <b>07.122</b></p>
	<p><b>Bottom view protection profile</b> (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>	0.164	<p><b>07.137</b> <b>07.138</b></p>

# Accessories RS 120/RS 120 Synchro

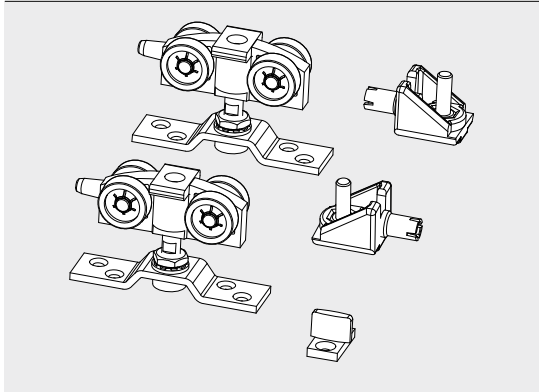
	Product description	Weight in kg/m	Art. No.
	<p><b>Set of accessories consisting of:</b>            2 carriers with clamping patches (8 and 10 mm glass thicknesses) and support screw,            2 end stops with safety catch,            1 floor guide</p>		<b>07.125</b>
	<p><b>Additional carrier with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

	Product description	Weight in kg/m	Art. No.
	<p><b>Floor guide,</b> adjustable</p>	0.024	<b>07.126</b>
	<p><b>Hook lock</b> for sliding doors, nightlatch function, suitable for <b>aluminum lever handles with round roses</b> (10.307), prepared for Europrofile cylinder, left hand and right hand, with lock keeper plate</p>	1,325	<b>05.200</b>
	<p><b>Suitable for lever handles with follower</b></p>	1,325	<b>05.202</b>
	<p><b>Strike box</b> to suit hook lock, (05.200, 05.202), non-handed</p>	0,890	<b>05.201</b>
	<p><b>Corner lock,</b> for vertical or horizontal fixing, double throw, bolt projection 20 mm, hardened oval bolt, prepared for Europrofile cylinder</p>	<p>Aluminum 0,849 Brass 1,033</p>	<b>05.100</b>
	<p>prepared for KABA</p>	<p>Aluminum 0,842 Brass 1,020</p>	<b>05.105</b> not illustr.
	<p>Prepared for one-sided Europrofile cylinder, lockable from inside</p>	<p>Aluminum 0,858 Brass 1,038</p>	<b>05.116</b> not illustr.



# Component parts for RS 120 for timber applications

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**Product description****Art. No.**

**RS 120 accessories**  
for timber applications  
**consisting of:**  
2 carriers,  
2 end stops with safety catch,  
1 floor guide

**07.135**