

- 2 Type**
- B** With rubber stop
  - M** With rubber stop, latch in retracted position
  - K** With rubber stop, latch in extended position
  - Q** With rubber stop, latch in extended and retracted position
- 3 Identification no.**
- 1** Mounting with through-holes

**1**

$I_1$	$I_2^{+4}$ Stroke	$I_3$	$F_S$ per pair in N	
			at 10,000 cycles	at 100,000 cycles
300	298	586	2250	1575
400	398	786	2500	1750
500	512	1000	2600	1800
600	610	1198	2750	1920
700	708	1396	2950	2250

**1**

$I_1$	$I_2^{+4}$ Stroke	$I_3$	$F_S$ per pair in N	
			at 10,000 cycles	at 100,000 cycles
800	806	1594	3100	2175
900	904	1792	3200	2250
1000	1000	1988	3250	2275
1200	1212	2400	2950	2025
1500	1504	2992	2250	1575

**Specification**

- Slide profile  
Steel, zinc plated, blue passivated **ZB**
- Bearings  
Roller bearing steel, hardened
- Ball cage  
Plastic
- Latches  
Zinc die casting / Plastic
- Rubber stop  
Plastic / Elastomer
- Operating temperature  $-20\text{ }^\circ\text{C}$  to  $100\text{ }^\circ\text{C}$
- **RoHS**

**On request**

- Other lengths and hole spacing
- Other attachment options
- Other surfaces

**4 Information**

Telescopic slides GN 1440 are installed vertically and in pairs. The stroke reaches  $\approx 100\%$  of the nominal length  $I_1$  (full extension). Patented plastic ball cages ensure extremely smooth running of the slide.

Telescopic slides of various types, for example, with and without latch, can be combined freely, which is why GN 1440 is delivered **as a single unit and not in pairs**. Thanks to the symmetrical design, all types can be installed on either the right or left side on the extension.

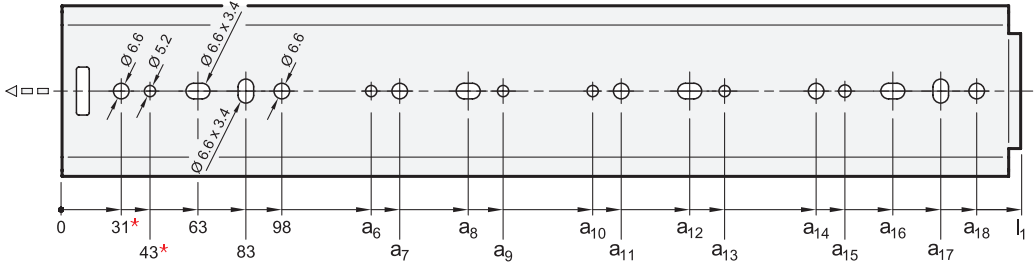
All mounting holes are easy to reach through auxiliary holes. Only the mounting holes are shown, but other production-related holes may be present.

see also...

- *Technical Information on Telescopic Slides*  $\rightarrow$  Page 1898 ff.

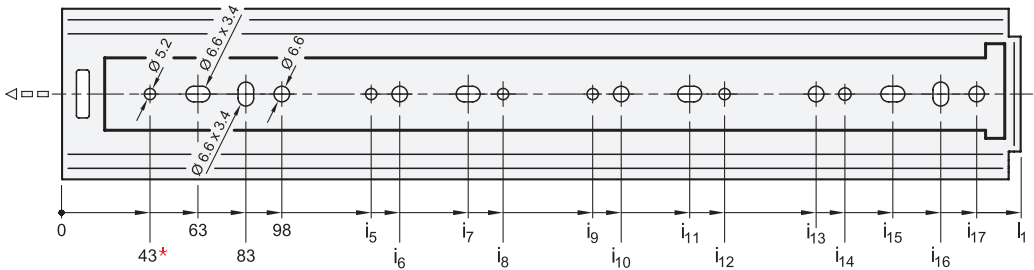
<p>How to order</p> <p><b>GN 1440-1500-K-1-ZB</b></p>	<b>1</b>	$I_1$
	<b>2</b>	Type
	<b>3</b>	Identification no.
	<b>4</b>	Finish

**Mounting holes - outer slide**



$l_1$	$a_6$	$a_7$	$a_8$	$a_9$	$a_{10}$	$a_{11}$	$a_{12}$	$a_{13}$	$a_{14}$	$a_{15}$	$a_{16}$	$a_{17}$	$a_{18}$
300	-	-	-	-	-	-	-	-	161	173	193	213	228
400	-	-	-	-	-	-	-	-	261	273	293	313	328
500	-	-	-	-	-	-	-	-	361	373	393	413	428
600	213	228	363	378	-	-	-	-	461	473	493	513	528
700	213	228	363	378	-	-	-	-	561	573	593	613	628
800	313	328	463	478	-	-	-	-	661	673	693	713	728
900	313	328	463	478	-	-	-	-	761	773	793	813	828
1000	413	428	563	578	-	-	-	-	861	873	893	913	928
1200	313	328	463	478	713	728	863	878	1061	1073	1093	1113	1128
1500	413	428	563	578	913	928	1063	1078	1361	1373	1393	1413	1428

**Mounting holes - inner slide**



$l_1$	$i_5$	$i_6$	$i_7$	$i_8$	$i_9$	$i_{10}$	$i_{11}$	$i_{12}$	$i_{13}$	$i_{14}$	$i_{15}$	$i_{16}$	$i_{17}$
300	-	-	-	-	-	-	-	-	-	173**	-	213	228
400	-	161	-	-	-	-	-	-	261	273	293	313	328
500	-	229	-	-	-	-	-	-	361	373	393	413	428
600	213	228	398	413	-	-	-	-	461	473	493	513	528
700	313	328	463	478	-	-	-	-	561	573	593	613	628
800	313	328	498	513	-	-	-	-	661	673	693	713	728
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\* Bores are only usable on type B and type K. \*\* Bores are only usable on type B and type M.

**Mounting screws**

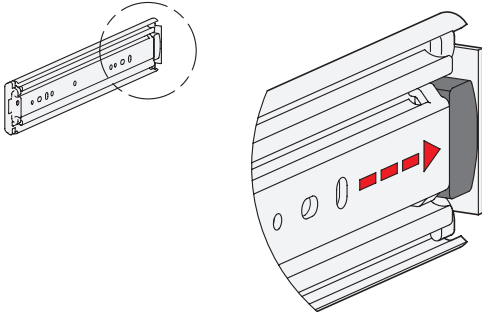
For the said loading forces  $F_S$  to be absorbed reliably in the surrounding structure, all available through-holes of the outer and inner slide having a diameter ( $\varnothing$ ) of 6.6 must be used. Alternatively, holes with a diameter ( $\varnothing$ ) of 5.2 are available. The elongated holes,  $\varnothing 6.6 \times 3.4$ , facilitate adjustment during mounting when needed. Failure to use mounting screws reduces the load capacity. The following screws can be used for mounting:

Designation - standard		Outer slide	Inner slide
Hexagon socket button head screw	ISO 7380	M 5 / M 6	M 5 / M 6
Hexagon socket low cylindrical head screw	DIN 7984 / DIN 6912	M 5	M 5

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9



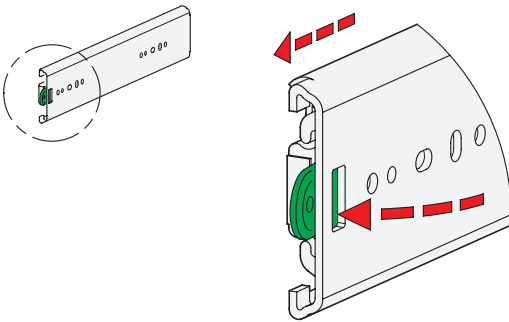
Type B with rubber stop



The rubber stops dampen the impact of the slide in the two end positions. This feature minimizes noise development and increases the service life. Attached to the slides in a partially concealed, partially visible manner, the stops meet each of the requirements in regards to shape, material, and hardness.

If larger static or dynamic loads occur in the direction of extension, they should be absorbed by additional end stops.

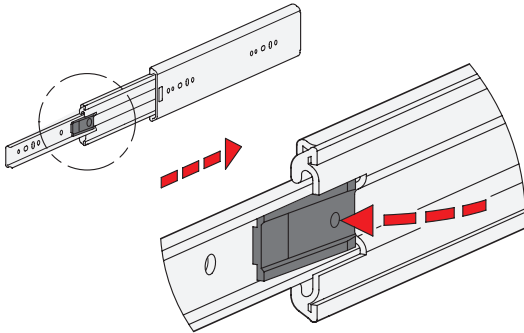
Type M with rubber stop, latch in retracted position



Type M is used in applications where the slide is to be latched in the retracted end position. This feature prevents the slide from extending on its own, for example due to an inclined position. If larger loads occur in the direction of extension in the latched position, they should be absorbed by additional latch elements.

When closed, the latch mechanism locks into place under spring load via a recess on the outer rail. Pressing the release lever releases the inner and middle slide for extension. Back in the retracted position, the mechanism automatically locks into place again via the recess on the outer slides by moving over a ramp.

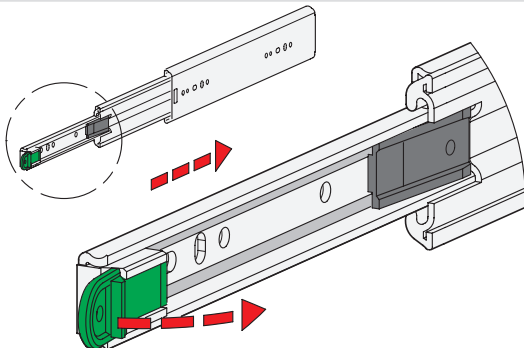
Type K with rubber stop, latch in extended position



Type K is used when the extension is to remain in the extended position for a certain amount of time. This feature allows maintenance work to be performed with the slide being extended, for example. If larger loads occur in the latched position, they should be absorbed by additional latch elements.

For the function to be activated, the slide has to be fully extended to the front, where it will automatically lock into place via a pretensioned latching lever. Pressing the lever releases the slide, allowing the slide to retract again.

Type Q with rubber stop, latch in extended and retracted position



Type Q unites the properties of types M and K. The inner and middle slide lock into place in the two end positions.

Unlike the release of type K, type Q is actuated through an internal rod by a convenient "remote control." To do this, the green release lever is pressed outwards, the latching lever is activated, and the slide is released for retraction.