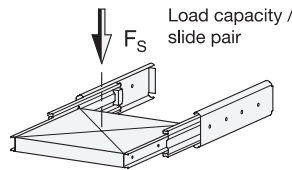
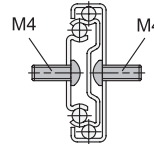


Mounting screws



**2 Type**

**F** With rubber stop, locking device in retracted position, detach function

**3 Identification no.**

**1** Mounting with through-holes



l <sub>1</sub>	l <sub>2</sub> <sup>+3</sup> Stroke	l <sub>3</sub>	F <sub>S</sub> per pair in N	
			at 10,000 cycles	at 50,000 cycles
300	300	600	430	310
350	350	700	450	330
400	400	800	480	360
450	450	900	480	360



l <sub>1</sub>	l <sub>2</sub> <sup>+3</sup> Stroke	l <sub>3</sub>	F <sub>S</sub> per pair in N	
			at 10,000 cycles	at 50,000 cycles
500	500	1000	450	330
550	550	1100	430	310
600	600	1200	410	310

**Specification**

- Slide profile and bearings  
Stainless steel AISI 304 **NI**
- Ball cage of outer slide  
Plastic
- Ball cage of inner slide  
Stainless steel AISI 304
- Ruber stop and detach function  
Plastic / Elastomer
- Lubricant  
Roller bearing grease, FDA-compliant
- Operating temperature -20 °C to 100 °C
- Stainless Steel Characteristics  
→ Page 2166
- RoHS



**Information**

Stainless steel telescopic slides GN 1450 are installed vertically and in pairs. The stroke reaches ≈ 100 % of the nominal length l<sub>1</sub> (full extension).

The telescopic slides are delivered in **pairs**. They can be installed on the extension on either the left or right side due to the mechanics. 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...

- List of Telescopic Slide Types → Page 1852
- Technical Information on Telescopic Slides → Page 1898 ff.
- Stainless Steel Telescopic Slides GN 1460 (with Full Extension)  
→ Page 1894
- Telescopic Slides GN 1410 (with Full Extension) → Page 1861

**On request**

- Other lengths and hole spacing
- Other attachment options

How to order

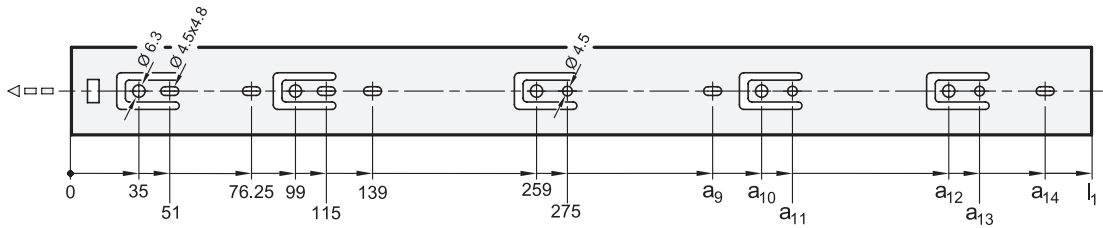
**GN 1450-400-F-1-NI**

1	l <sub>1</sub>
2	Type
3	Identification no.
4	Material

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9

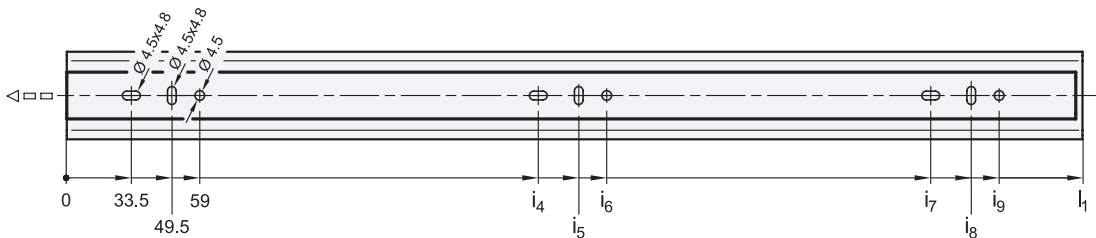


### Mounting holes - outer slide



$l_1$	$a_9$	$a_{10}$	$a_{11}$	$a_{12}$	$a_{13}$	$a_{14}$
300	-	-	-	-	-	-
350	309	-	-	-	-	-
400	-	323	339	-	-	373
450	361,5	387	403	-	-	-
500	361,5	387	403	451	467	-
550	361,5	387	403	451	467	501
600	361,5	387	403	515	531	565

### Mounting holes - inner slide



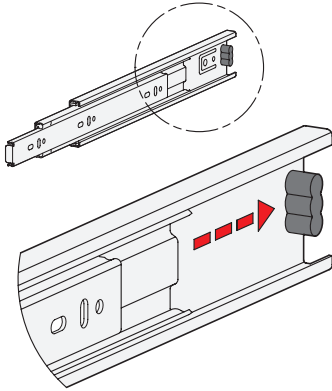
$l_1$	$i_4$	$i_5$	$i_6$	$i_7$	$i_8$	$i_9$
300	129,5	145,5	155	257,5	273,5	283
350	161,5	177,5	187	289,5	305,5	315
400	193,5	209,5	219	353,5	369,5	379
450	193,5	209,5	219	385,5	401,5	411
500	225,5	241,5	251	449,5	465,5	475
550	257,5	273,5	283	481,5	497,5	507
600	289,5	305,5	315	545,5	561,5	571

### 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 4.5 must be used. Alternatively, the outer slide has holes with a diameter ( $\varnothing$ ) of 6.3 for Euro screws. The elongated holes,  $\varnothing 4.5 \times 4.8$ , are used likewise for mounting and facilitate adjustment during mounting when needed. Failure to use mounting screws reduces the specified load capacity accordingly. The following screws can be used for mounting:

Designation - standard		Outer slide	Inner slide
Hex socket button head screw	ISO 7380	M 4	M 4
Pan head screw, Phillips	ISO 7045	M 4	M 4
Pan head tapping screw, Phillips	ISO 7049	ST 3,9 / 4,2	ST 3,9 / 4,2

### Rubber stop, locking device in retracted position

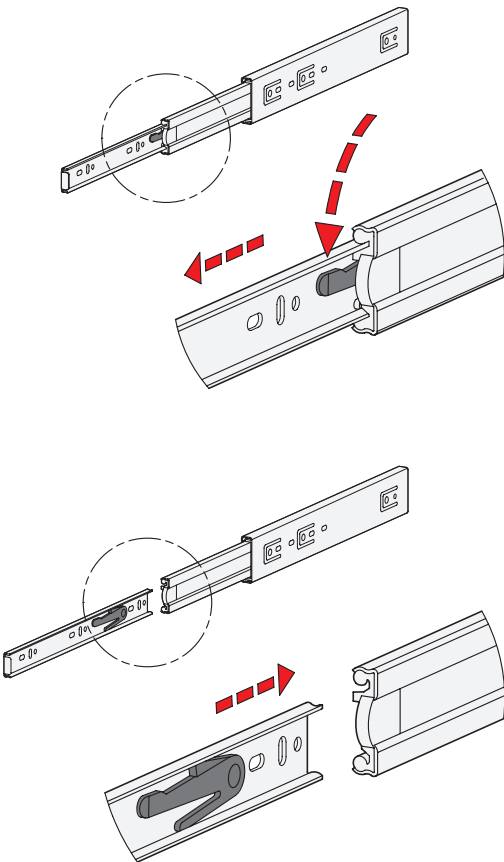


The rubber stops of type F dampen the impact of the slide in the two end positions. This feature minimizes noise development and increases the service life. Attached to the slides in a partially concealed, partially visible manner, the stops meet each of the requirements in regard to shape, material,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

In the retracted end position, the rubber stop additionally takes on a locking function, which is noticeable through a slight resistance on opening and closing.

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

### Detach function



Type F has additionally a detach function through which the extension slides can be completely separated from one another in the area of the middle and inner slide. This feature not only facilitates mounting. It also allows the extension to be quickly removed, for example, when frequent maintenance work is performed on the components located behind.

The telescopic slide can be quickly and easily detached in the extracted position through activation of the release lever, allowing the inner slide to be removed from the front.

For reattaching the slides, the ball cages need to be moved to the front end position. Then the inner slide is inserted to the back end stop where it locks into place automatically.

The protected arrangement of the release mechanism prevents accidental detachment of the slide.

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

