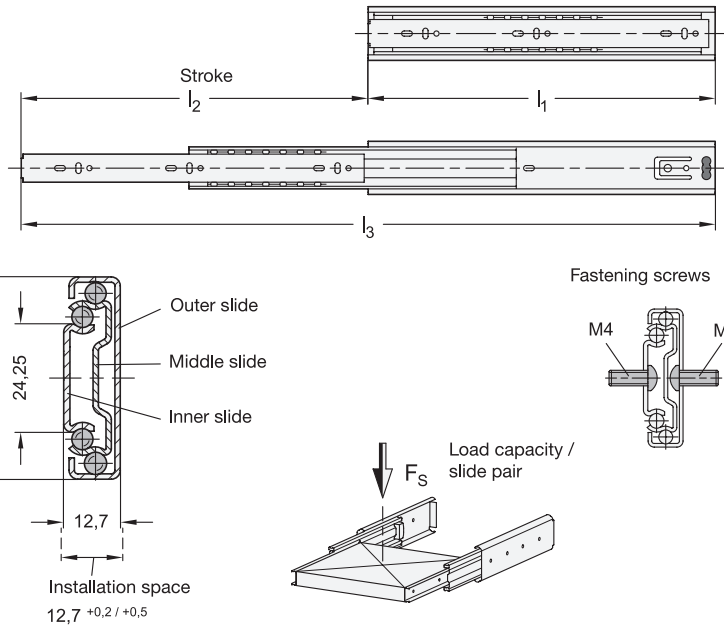


2 Type

F with rubber stop, locking device in back, detach function

3 Identification no.

1 Fastening using through-holes

1

l_1	l_2 +3 −3 Stroke	l_3	F_S per pair in N at 10,000 cycles	F_S per pair in N at 100,000 cycles
250	250	500	450	320
300	300	600	460	340
350	350	700	480	360
400	400	800	510	390
450	450	900	510	390
500	500	1000	480	360

1

l_1	l_2 +3 −3 Stroke	l_3	F_S per pair in N at 10,000 cycles	F_S per pair in N at 100,000 cycles
550	550	1100	460	340
600	600	1200	440	340
650	650	1300	420	320
700	700	1400	420	320
750	750	1500	400	300
800	800	1600	400	300

Specification

4

- Slide profile
  Steel, zinc plated, blue passivated **ZB**
- Bearings
  Roller bearing steel, hardened
- Ball cage, outer slide
  Plastic
- Ball cage, inner slide
  Steel, zinc plated
- Rubber stop and detach function
  Plastic / Elastomer
- Operating temperature -20 °C to 100 °C
- RoHS compliant

On request

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

InTypeation

Telescopic slides GN 1410 are installed vertically and in pairs. The stroke reaches ≈ 100 % of the nominal length l_1 (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...

- *Technical inTypeation on telescopic slides* → *Page 44 ff.*
- *Stainless Steel-Telescopic slides GN 1450 (with full extension)* → *Page 36*
- *Telescopic slides GN 1412 (with self-retracting mechanism)* → *Page 15*

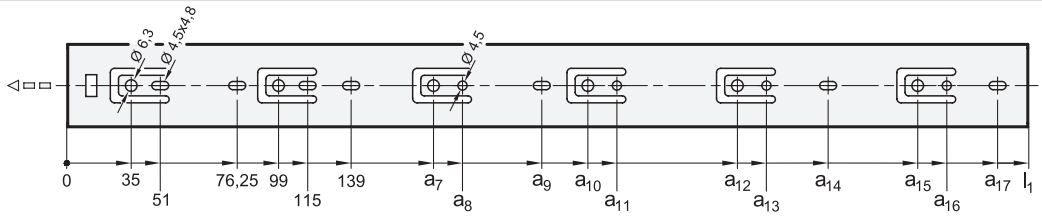
How to order

1 2 3 4

GN 1410-250-F-1-ZB

1	l_1
2	Type
3	Identification no.
4	Finish

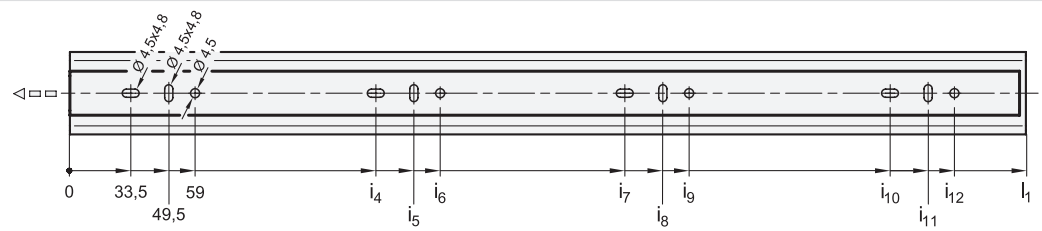
Mounting holes - outer slide



1

l_1	a_7	a_8	a_9	a_{10}	a_{11}	a_{12}	a_{13}	a_{14}	a_{15}	a_{16}	a_{17}
250	183	199	-	-	-	-	-	-	-	-	-
300	259	275	-	-	-	-	-	-	-	-	-
350	259	275	309	-	-	-	-	-	-	-	-
400	259	275	-	323	339	-	-	373	-	-	-
450	259	275	361,5	387	403	-	-	-	-	-	-
500	259	275	361,5	387	403	451	467	-	-	-	-
550	259	275	361,5	387	403	451	467	501	-	-	-
600	259	275	361,5	387	403	515	531	565	-	-	-
650	259	275	361,5	387	403	579	595	629	-	-	-
700	259	275	361,5	387	403	579	595	629	-	-	-
750	259	275	361,5	387	403	547	563	597	643	659	693
800	259	275	361,5	387	403	579	595	629	707	723	757

Mounting holes - inner slide



1

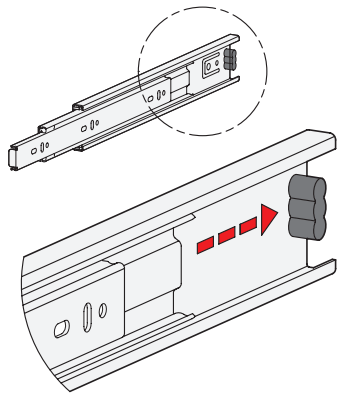
l_1	i_4	i_5	i_6	i_7	i_8	i_9	i_{10}	i_{11}	i_{12}
250	209,5	225,5	235	-	-	-	-	-	-
300	129,5	145,5	155	257,5	273,5	283	-	-	-
350	161,5	177,5	187	289,5	305,5	315	-	-	-
400	193,5	209,5	219	353,5	369,5	379	-	-	-
450	193,5	209,5	219	385,5	401,5	411	-	-	-
500	225,5	241,5	251	449,5	465,5	475	-	-	-
550	257,5	273,5	283	481,5	497,5	507	-	-	-
600	289,5	305,5	315	545,5	561,5	571	-	-	-
650	321,5	337,5	347	609,5	625,5	635	-	-	-
700	321,5	337,5	347	609,5	625,5	635	-	-	-
750	193,5	209,5	219	321,5	337,5	347	673,5	689,5	699
800	193,5	209,5	219	353,5	369,5	379	705,5	721,5	731

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

Designation - standard		Outer slide	Inner slide
Hexagon 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 back

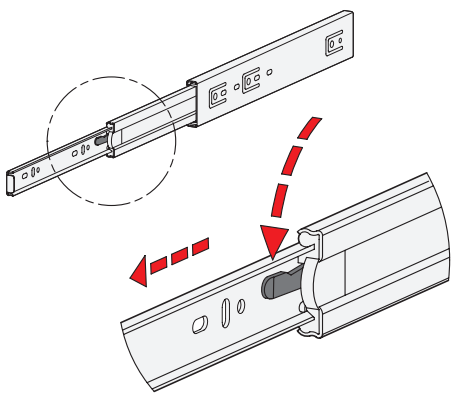


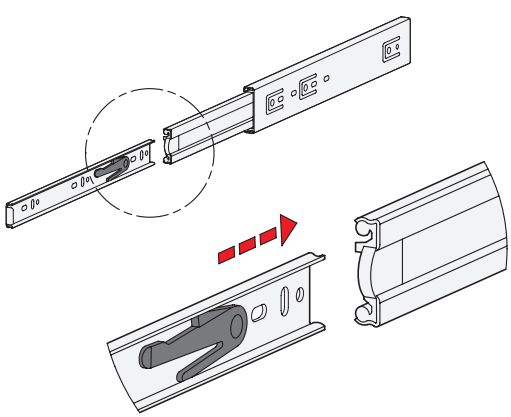
The rubber stops of type F dampen the impact of the slide in the respective end position. This feature minimizes noise development and increases the lifespan. Attached to the slides in a partially concealed, partially visible manner, the stops meet each of the requirements in regard to shape, material,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

In the back stop position, the rubber stop takes on additionally 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 external 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 perTypeed 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.