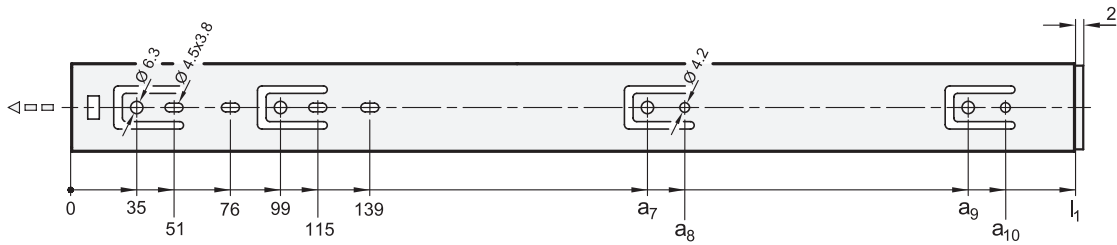


Mounting holes - Outer slide



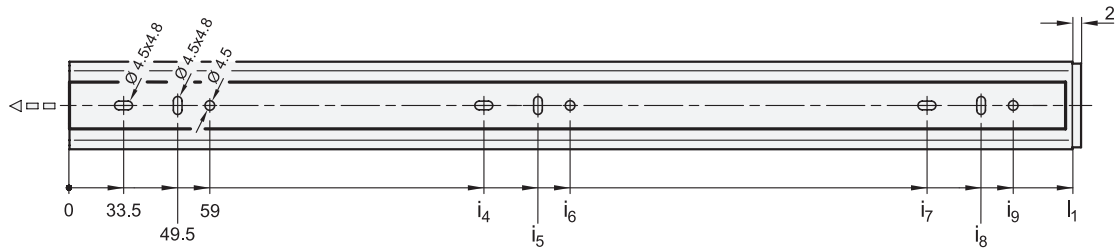
Metric table



Dimensions in: millimeters - inches

l_1	a_7	a_8	a_9	a_{10}
300 11.81	191.75 7.55	207.75 8.18	-	-
350 13.78	241.75 9.52	257.75 10.15	-	-
400 15.75	291.75 11.49	307.75 12.12	-	-
450 17.72	195 7.68	211 8.31	341.75 13.45	357.75 14.08
500 19.69	227 8.94	243 9.57	391.75 15.42	407.75 16.05
550 21.65	259 10.20	275 10.83	441.75 17.39	457.75 18.02
600 23.62	291 11.46	307 12.09	491.75 19.36	507.75 19.99
650 25.59	323 12.72	339 13.35	541.75 21.33	557.75 21.96

Mounting holes - Inner slide



Metric table



Dimensions in: millimeters - inches

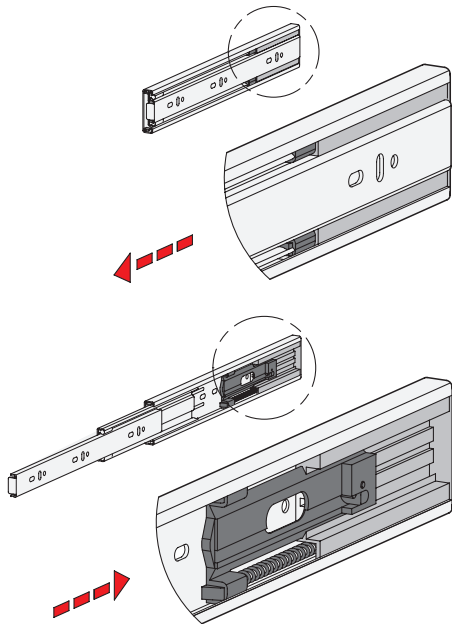
l_1	i_4	i_5	i_6	i_7	i_8	i_9
300 11.81	129.5 5.10	145.5 5.73	-	225.5 8.88	241.5 9.51	251 9.88
350 13.78	129.5 5.10	145.5 5.73	155 6.10	289.5 11.40	305.5 12.03	315 12.40
400 15.75	161.5 6.36	177.5 6.99	187 7.36	321.5 12.66	337.5 13.29	347 13.66
450 17.72	193.5 7.62	209.5 8.25	219 8.62	385.5 15.18	401.5 15.81	411 16.18
500 19.69	225.5 8.88	241.5 9.51	251 9.88	449.5 17.70	465.5 18.33	475 18.70
550 21.65	225.5 8.88	241.5 9.51	251 9.88	481.5 18.96	497.5 19.59	507 19.96
600 23.62	257.5 10.14	273.5 10.77	283 11.14	513.5 20.22	529.5 20.85	539 21.22
650 25.59	289.5 11.40	305.5 12.03	315 12.40	577.5 22.74	593.5 23.37	603 23.74

Mounting screws

For the listed loading forces F_S to be absorbed reliably in the surrounding structure, all available through holes of the outer and inner slide having a \varnothing of 4.5 mm must be used. Alternatively, the outer slide has holes with a \varnothing of 6.3 mm for metric screws. The slotted holes, \varnothing 4.5 x 4.8 mm, are also used for mounting and facilitate adjustment. 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
Socket button head screw	ISO 7380	M 4	M 4
Phillips pan head screw	ISO 7045	M 4	M 4
Phillips pan head self-tapping screw	ISO 7049	ST 3.9 / 4.2	ST 3.9 / 4.2

Self-retracting mechanism, dampened



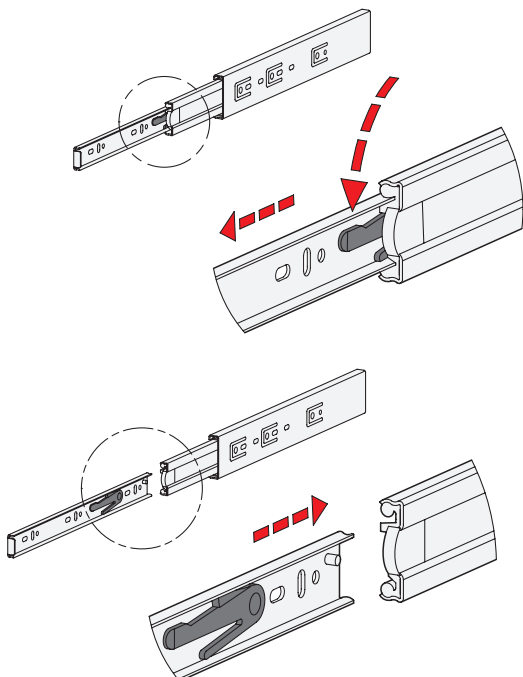
GN 1414 telescopic slides have a dampened self-retracting mechanism, which is also called “soft-close”. The dampened self-retracting mechanism is divided into two main functions and provides the best possible ease of use when closing an extension.

On the one hand, the self-retracting mechanism automatically retracts the slides on the last 47 mm of stroke to the retracted end position, where they are held in place accordingly. The retraction force is about 40 newtons per slide pair. On the other hand, the closing movement on the mentioned stroke is slowed down by the damping mechanism and thus reduces the speed considerably. An extremely smooth and gentle closing movement is achieved. This retraction force has to be overcome accordingly when opening the extension.

The dampened self-retracting mechanism is designed for load values up to 36 kg based on 60,000 cycles (LGA standard). Proper use, such as reducing the travel speed to max 0.15 m/s when the retraction mechanism is reached, as well as compliance with the load values are required.

With this slide version, the available retraction force can be regarded as a locking device, which is noticeable through a slight restriction on opening the extension.

Detach function



The detach function allows the extension to 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 extended position through activation of the release lever, allowing the inner slide to be removed from the front.

For re-attaching the slides, the ball cages need to be moved to the extended end position. Then the inner slide is inserted to the retracted end position where it locks into place automatically.

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