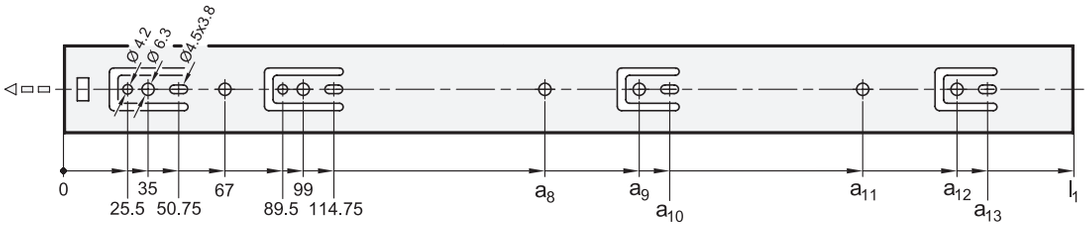
Mounting holes - Outer slide

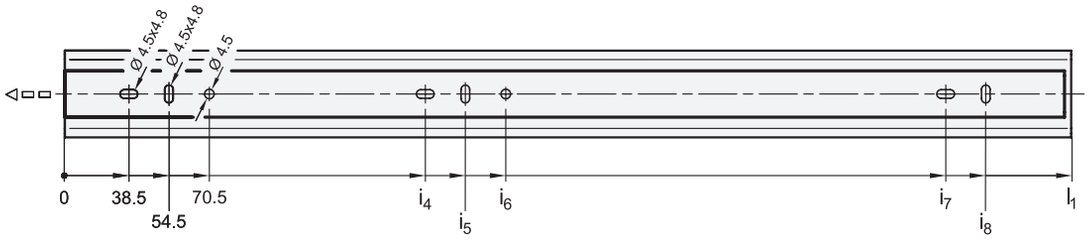


Metric table

Dimensions in: millimeters - *inches*

l_1	a_8	a_9	a_{10}	a_{11}	a_{12}	a_{13}
300 *11.81*	-	195 *7.68*	207.75 *8.18*	227 *8.94*	-	-
350 *13.78*	-	227 *8.94*	239.75 *9.44*	259 *10.20*	-	-
400 *15.75*	259 *10.20*	291 *11.46*	303.75 *11.96*	323 *12.72*	-	-
450 *17.72*	259 *10.20*	323 *12.72*	335.75 *13.22*	-	-	-
500 *19.69*	259 *10.20*	323 *12.72*	335.75 *13.22*	-	387 *15.24*	399.75 *15.74*
550 *21.65*	259 *10.20*	323 *12.72*	335.75 *13.22*	387 *15.24*	451 *17.76*	463.75 *18.26*
600 *23.62*	259 *10.20*	355 *13.98*	367.75 *14.48*	387 *15.24*	483 *19.02*	495.75 *19.52*
650 *25.59*	259 *10.20*	355 *13.98*	367.75 *14.48*	451 *17.76*	515 *20.28*	527.75 *20.78*
700 *27.56*	259 *10.20*	355 *13.98*	367.75 *14.48*	515 *20.28*	579 *22.80*	591.75 *23.30*

Mounting holes - Inner slide



Metric table

Dimensions in: millimeters - *inches*

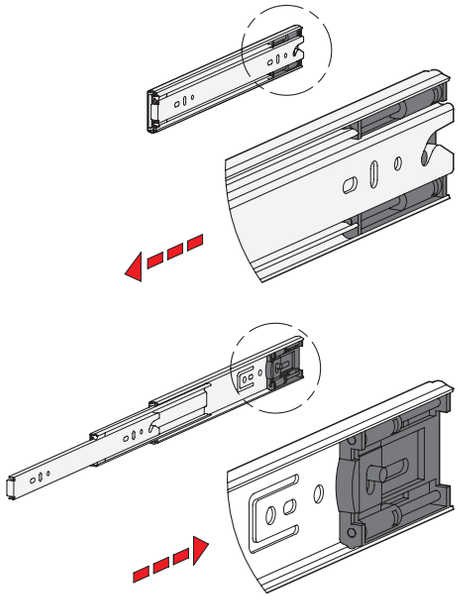
l_1	i_4	i_5	i_6	i_7	i_8
300 *11.81*	230.5 *9.07*	246.5 *9.70*	262.5 *10.33*	-	-
350 *13.78*	150.5 *5.93*	166.5 *6.56*	182.5 *7.19*	292.5 *11.52*	308.5 *12.15*
400 *15.75*	170.5 *6.71*	186.5 *7.34*	202.5 *7.97*	341.5 *13.44*	357.5 *14.07*
450 *17.72*	195.5 *7.70*	211.5 *8.33*	227.5 *8.96*	391.5 *15.41*	407.5 *16.04*
500 *19.69*	220.5 *8.68*	236.5 *9.31*	252.5 *9.94*	441.5 *17.38*	457.5 *18.01*
550 *21.65*	250.5 *9.86*	266.5 *10.49*	282.5 *11.12*	492.5 *19.39*	508.5 *20.02*
600 *23.62*	260.5 *10.26*	276.5 *10.89*	292.5 *11.52*	541.5 *21.32*	557.5 *21.95*
650 *25.59*	260.5 *10.26*	276.5 *10.89*	292.5 *11.52*	602.5 *23.72*	618.5 *24.35*
700 *27.56*	260.5 *10.26*	276.5 *10.89*	292.5 *11.52*	652.5 *25.69*	668.5 *26.32*

Mounting screws

For the listed loading forces F_S to be absorbed reliably in the surrounding structure, all available through holes of the outer slide having a Ø of 4.2 mm and of the inner slide having a Ø of 4.5 mm must be used. Alternatively, the outer slide has holes with a Ø of 6.3 mm for metric screws. The slotted holes, Ø 4.5 x 3.8 mm of the outer slide and Ø 4.5 x 4.8 mm of the inner slide, 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

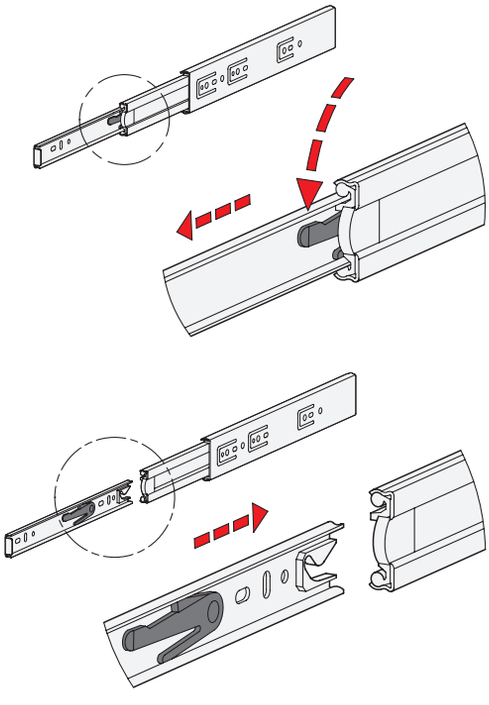


GN 1412 telescopic slides have an integrated self-retracting mechanism, which significantly improves the ease of use when closing the extensions.

By means of the retraction mechanism, the slides are automatically retracted on the last 30 mm of stroke with a force of approximately 25 newtons per slide pair and held in the retracted end position.

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.