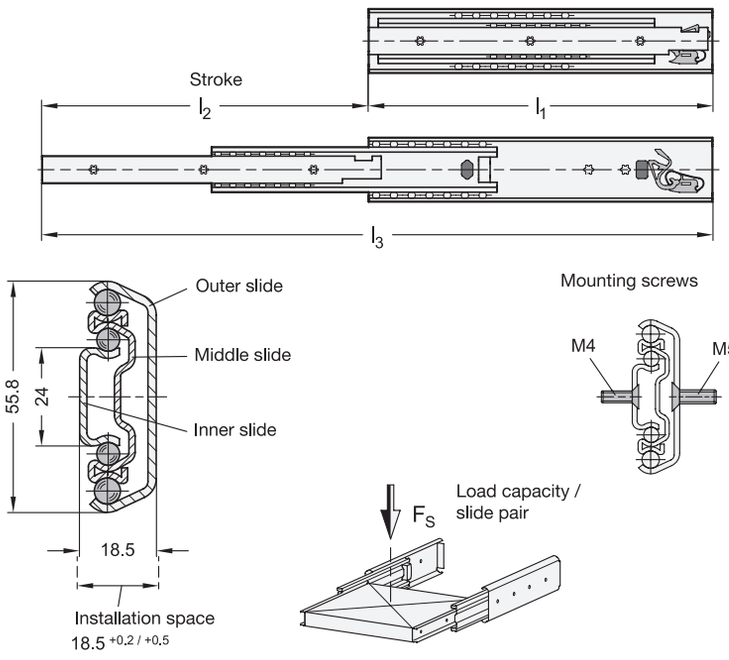


Metric

2 Type

B With rubber stop

3 Identification no.

2 Mounting with countersunk holes

Metric table

Dimensions in: millimeters - *inches*

1				
l_1	l_2 $^{+4}_{-4}$ Stroke	l_3	F_s per pair at 10,000 cycles	F_s per pair at 100,000 cycles
300 *11.81*	285 *11.22*	585 *23.03*	940 N *211 lbf*	640 N *144 lbf*
350 *13.78*	350 *13.78*	700 *27.56*	960 N *216 lbf*	730 N *164 lbf*
400 *15.75*	400 *15.75*	800 *31.50*	970 N *218 lbf*	770 N *173 lbf*
450 *17.72*	450 *17.72*	900 *35.43*	1100 N *247 lbf*	880 N *198 lbf*
500 *19.69*	500 *19.69*	1000 *39.37*	1190 N *268 lbf*	900 N *202 lbf*

1				
l_1	l_2 $^{+4}_{-4}$ Stroke	l_3	F_s per pair at 10,000 cycles	F_s per pair at 100,000 cycles
550 *21.65*	550 *21.65*	1100 *43.31*	1180 N *265 lbf*	980 N *220 lbf*
600 *23.62*	600 *23.62*	1200 *47.24*	1230 N *277 lbf*	990 N *223 lbf*
700 *27.56*	700 *27.56*	1400 *55.12*	1290 N *290 lbf*	1030 N *232 lbf*
800 *31.50*	800 *31.50*	1600 *62.99*	1210 N *272 lbf*	1060 N *238 lbf*

Specification

4

- Slide profile
  Steel, zinc plated, blue passivated finish **ZB**
- Balls
  Rolling bearing steel, hardened
- Ball cage
  Steel, zinc plated
- Rubber stop
  Plastic / Elastomer
- Self-retracting mechanism
  Stainless steel / plastic
- Operating temperature -4 °F to +212 °F
  (-20 °C to +100 °C)
- RoHS compliant

On request

- Other lengths and hole distances
- Other mounting options
- With locking device (in extended position)
- Other finishes
- With support bracket

Information

GN 1422 telescopic slides with self-retracting mechanism are installed 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 either the left or right side due to the design. 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 1856*
- *Technical Information on Telescopic Slides → page 1901*
- *Telescopic Slides GN 1432 (with Self-Retracting Mechanism) → page 1889*
- *Telescopic Slides GN 1424 (with Dampened Self-Retracting Mechanism) → page 1882*

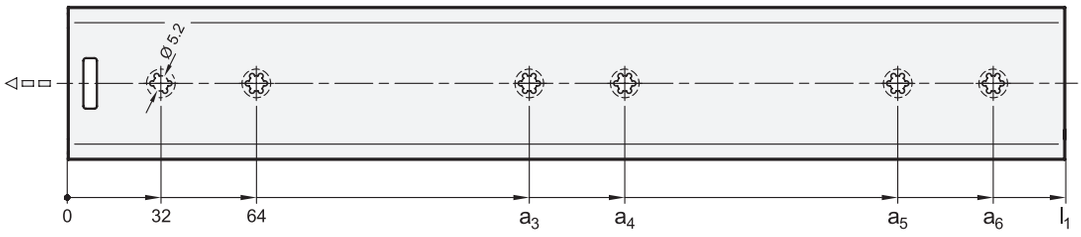
How to order

1 2 3 4

GN 1422-350-B-2-ZB

1	**Length l_1**
2	**Type**
3	**Identification no.**
4	**Finish**

Mounting holes - Outer slide

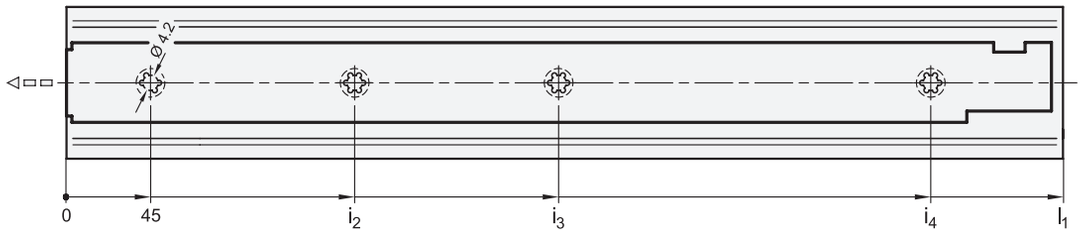


Metric table

Dimensions in: millimeters - *inches*

l_1	a_3	a_4	a_5	a_6
300 *11.81*	192 *7.56*	224 *8.82*	-	-
350 *13.78*	192 *7.56*	224 *8.82*	-	-
400 *15.75*	224 *8.82*	256 *10.08*	-	-
450 *17.72*	288 *11.34*	320 *12.60*	-	-
500 *19.69*	320 *12.60*	352 *13.86*	-	-
550 *21.65*	352 *13.86*	384 *15.12*	-	-
600 *23.62*	416 *16.38*	448 *17.64*	-	-
700 *27.56*	448 *17.64*	480 *18.90*	-	-
800 *31.50*	384 *15.12*	416 *16.38*	672 *26.46*	704 *27.72*

Mounting holes - Inner slide



Metric table

Dimensions in: millimeters - *inches*

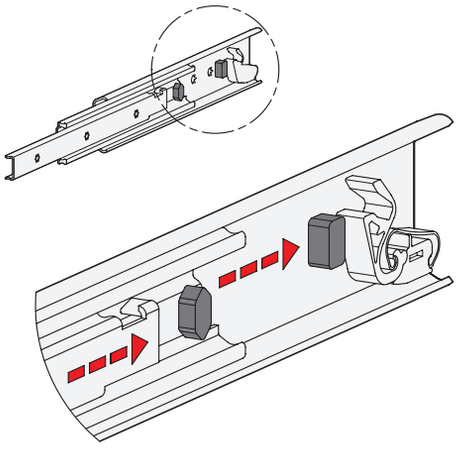
l_1	i_2	i_3	i_4
300 *11.81*	141 *5.55*	237 *9.33*	-
350 *13.78*	173 *6.81*	301 *11.85*	-
400 *15.75*	173 *6.81*	333 *13.11*	-
450 *17.72*	205 *8.07*	397 *15.63*	-
500 *19.69*	237 *9.33*	461 *18.15*	-
550 *21.65*	269 *10.59*	493 *19.41*	-
600 *23.62*	173 *6.81*	301 *11.85*	557 *21.93*
700 *27.56*	173 *6.81*	333 *13.11*	653 *25.71*
800 *31.50*	205 *8.07*	397 *15.63*	749 *29.49*

Mounting screws

For the listed loading forces F_S to be absorbed reliably in the surrounding structure, all available countersunk holes of the outer and inner slide must be used. 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 countersunk head screw	DIN 7991	M 5	M 4
Phillips countersunk flat head screw	DIN 965	M 5	M 4
Phillips countersunk flat head self-tapping screw	DIN 7997	Size 5	Size 4 / 4.5

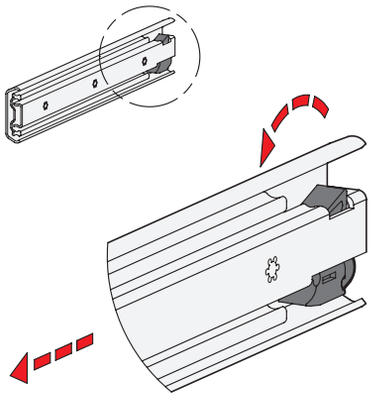
Rubber stop

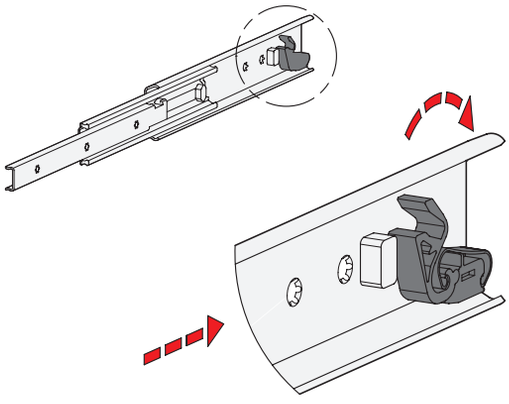


The rubber stops dampen the impact of the slide in the two end positions. This feature minimizes noise development and increases the service life. Attached to the slides in a partially concealed, partially visible manner, the stops meet each of the requirements in regards to shape, material, and hardness.

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

Self-retracting mechanism





GN 1422 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 22 mm of stroke with a force of approximately 30 newtons for each slide pair and held in the retracted end position. This retraction force has to be overcome accordingly when opening the extension.

The self-retracting mechanism is also designed in such a way that it uncouples and will not be damaged when the extension is opened or closed in a jerky manner or too quickly. On the following stroke, the self-retracting mechanism clicks back into place automatically, ensuring that the function remains intact.