

- 2 Type**
- E** With rubber stop, locking device in retracted position
- 3 Identification no.**
- 2** Mounting with countersunk holes

Metric table

1

I ₁	I ₂ ±4 Stroke	I ₃	F _s per pair	
			at 10,000 cycles	at 100,000 cycles
300 11.81	320 12.60	620 24.41	940 N 211 lbf	680 N 153 lbf
350 13.78	375 14.76	725 28.54	960 N 216 lbf	770 N 173 lbf
400 15.75	440 17.32	840 33.07	970 N 218 lbf	730 N 164 lbf
450 17.72	495 19.49	945 37.20	1100 N 247 lbf	830 N 187 lbf
500 19.69	550 21.65	1050 41.34	1190 N 268 lbf	910 N 205 lbf
550 21.65	600 23.62	1150 45.28	1180 N 265 lbf	900 N 202 lbf

Dimensions in: millimeters - inches

1

I ₁	I ₂ ±4 Stroke	I ₃	F _s per pair	
			at 10,000 cycles	at 100,000 cycles
600 23.62	650 25.59	1250 49.21	1230 N 277 lbf	970 N 218 lbf
700 27.56	750 29.53	1450 57.09	1290 N 290 lbf	1030 N 232 lbf
800 31.50	848 33.39	1648 64.88	1210 N 272 lbf	1020 N 229 lbf
900 35.43	950 37.40	1850 72.83	1050 N 236 lbf	900 N 202 lbf
1000 39.37	1050 41.34	2050 80.71	810 N 182 lbf	720 N 162 lbf
1200 47.24	1250 49.21	2450 96.46	640 N 144 lbf	570 N 128 lbf

Specification

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

Information

GN 1420 telescopic slides are installed in pairs. The stroke reaches ≈ 100 % of the nominal length I₁ (full extension). The rubber stops dampen the impact of the slide in the two end positions and take on the locking function in the retracted position. This feature 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 end stops.

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

On request

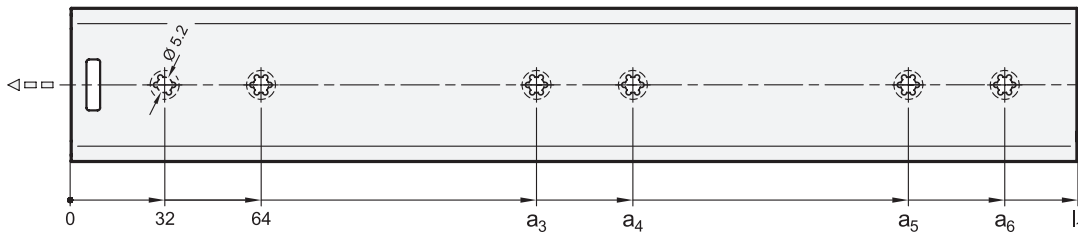
- Other lengths and hole distances
- Other mounting options
- With latches, partially with detach function (in retracted position)
- With locking device (in retracted and / or extended position)
- Other finishes
- With support bracket

How to order	1 Length I ₁
	2 Type
	3 Identification no.
	4 Finish

GN 1420-900-E-2-ZB

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

Mounting holes - Outer slide



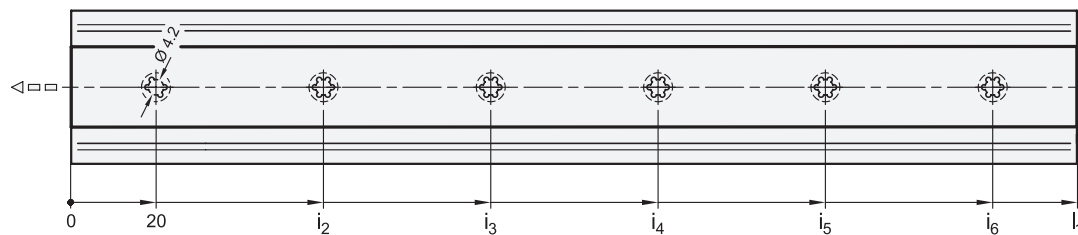
Metric table

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	-	-

Dimensions in: millimeters - inches

l_1	a_3	a_4	a_5	a_6
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
900 35.43	416 16.38	448 17.64	768 30.24	800 31.50
1000 39.37	480 18.90	512 20.16	864 34.02	896 35.28
1200 47.24	576 22.68	608 23.94	1056 41.57	1088 42.83

Mounting holes - Inner slide



Metric table

l_1	i_2	i_3	i_4	i_5	i_6
300 11.81	150 5.91	280 11.02	-	-	-
350 13.78	175 6.89	330 12.99	-	-	-
400 15.75	200 7.87	380 14.96	-	-	-
450 17.72	225 8.86	430 16.93	-	-	-
500 19.69	250 9.84	480 18.90	-	-	-
550 21.65	275 10.83	530 20.87	-	-	-

Dimensions in: millimeters - inches

l_1	i_2	i_3	i_4	i_5	i_6
600 23.62	300 11.81	580 22.83	-	-	-
700 27.56	350 13.78	680 26.77	-	-	-
800 31.50	271 10.67	522.5 20.57	774 30.47	-	-
900 35.43	305 12.01	589 23.19	874 34.41	-	-
1000 39.37	258 10.16	497 19.57	735.5 28.96	974 38.35	-
1200 47.24	251 9.88	482 18.98	712 28.03	943 37.13	1174 46.22

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
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