

Telescopic slides

with full extension, load capacity up to 1290 N

SPECIFICATION

Type

Type **E**: with rubber stop, locking device in back

Identification no.

No. **2**: Fastening using countersunk holes

Slide profile

Steel, zinc plated, blue passivated **ZB**

Bearings

Roller bearing steel, hardened

Ball cage

Steel, zinc plated

Rubber stop

Plastic / Elastomer

Operating temperature -20 °C to 100 °C



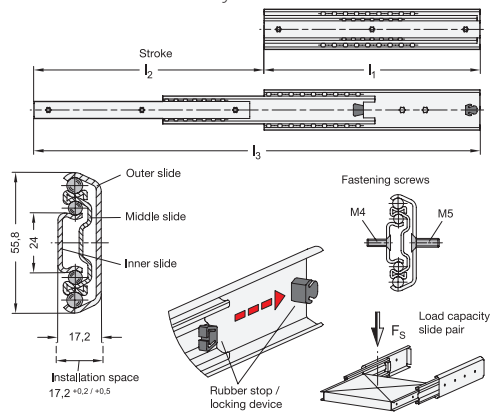
INFORMATION

Telescopic slides GN 1420 are installed vertically and in pairs. The stroke reaches $\approx 100\%$ of the nominal length l_1 (full extension). The rubber stops of type E dampen the impact of the slide in the two end positions and takes on the locking function of the back stop 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 external stop elements.

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.

ON REQUEST

- other lengths and hole spacing
- other attachment options
- with latches, partially with detach function (back, front, or back-front)
- with locking device (front or back-front)
- other surfaces
- with support bracket

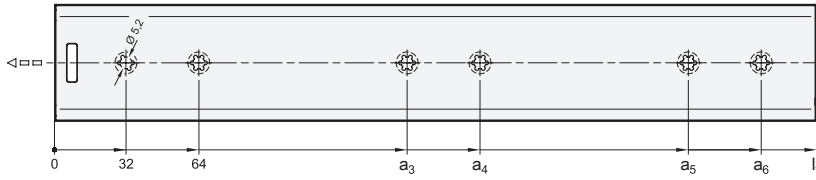


GN 1420

| Description | l_1 | $l_2 +4/-4$ | l_3 | F_s per pair in N at 10,000 cycles | F_s per pair in N at 100,000 cycles | $\frac{l_1}{l_3}$ |
|---------------------|-------|-------------|-------|--------------------------------------|---------------------------------------|-------------------|
| GN 1420-300-E-2-ZB | 300* | 320 | 620 | 940 | 680 | 1680 |
| GN 1420-350-E-2-ZB | 350* | 375 | 725 | 960 | 770 | 1960 |
| GN 1420-400-E-2-ZB | 400* | 440 | 840 | 970 | 730 | 2240 |
| GN 1420-450-E-2-ZB | 450* | 495 | 945 | 1100 | 830 | 2520 |
| GN 1420-500-E-2-ZB | 500* | 550 | 1050 | 1190 | 910 | 2830 |
| GN 1420-550-E-2-ZB | 550* | 600 | 1150 | 1180 | 900 | 3110 |
| GN 1420-600-E-2-ZB | 600* | 650 | 1250 | 1230 | 970 | 3400 |
| GN 1420-700-E-2-ZB | 700* | 750 | 1450 | 1290 | 1030 | 3980 |
| GN 1420-800-E-2-ZB | 800* | 848 | 1648 | 1210 | 1020 | 4500 |
| GN 1420-900-E-2-ZB | 900* | 950 | 1850 | 1050 | 900 | 5160 |
| GN 1420-1000-E-2-ZB | 1000* | 1050 | 2050 | 810 | 720 | 5730 |
| GN 1420-1200-E-2-ZB | 1200* | 1250 | 2450 | 640 | 570 | 6900 |

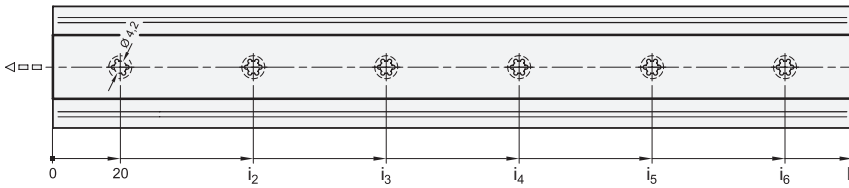
* The telescopic slides are delivered in pairs.

Mounting holes - Outer slide



| l1 | a3 | a4 | a5 | a6 |
|------|-----|-----|------|------|
| 300 | 192 | 224 | - | - |
| 350 | 192 | 224 | - | - |
| 400 | 224 | 256 | - | - |
| 450 | 288 | 320 | - | - |
| 500 | 320 | 352 | - | - |
| 550 | 352 | 384 | - | - |
| 600 | 416 | 448 | - | - |
| 700 | 448 | 480 | - | - |
| 800 | 384 | 416 | 672 | 704 |
| 900 | 416 | 448 | 768 | 800 |
| 1000 | 480 | 512 | 864 | 896 |
| 1200 | 576 | 608 | 1056 | 1088 |

Mounting holes - Inner slide



| l1 | i2 | i3 | i4 | i5 | i6 |
|------|-----|-------|-------|-----|------|
| 300 | 150 | 280 | - | - | - |
| 350 | 175 | 330 | - | - | - |
| 400 | 200 | 380 | - | - | - |
| 450 | 225 | 430 | - | - | - |
| 500 | 250 | 480 | - | - | - |
| 550 | 275 | 530 | - | - | - |
| 600 | 300 | 580 | - | - | - |
| 700 | 350 | 680 | - | - | - |
| 800 | 271 | 522.5 | 774 | - | - |
| 900 | 305 | 589 | 874 | - | - |
| 1000 | 258 | 497 | 735.5 | 974 | - |
| 1200 | 251 | 482 | 712 | 943 | 1174 |

Fastening screws

For the said 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 fastening screws reduces the specified load capacity accordingly. The following screws can be used for mounting:

| Designation - standard | Outer slide | Inner slide |
|--|-------------|--------------|
| Countersunk screw, Phillips DIN 965 | M 5 | M 4 |
| Countersunk screw, Phillips DIN 7997 | Size 5 | Size 4 / 4.5 |

