

## Telescopic slides

with full extension and „Push to Open“ - mechanism,  
load capacity up to 430 N

### SPECIFICATION

#### Type

Type **F**: with rubber stop, locking device in back, detach function

#### Identification no.

No. **1**: Fastening using through-holes

Slide profile

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

Bearings

Roller bearing steel, hardened

Ball cage, outer slide

Plastic

Ball cage, inner slide

Steel, zinc plated

Rubber stop and detach function

Plastic / Elastomer

Push to Open - mechanism

Steel / Plastic

Operating temperature -20 °C to 100 °C



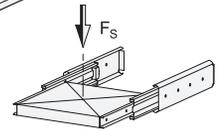
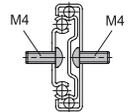
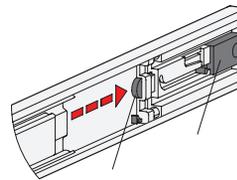
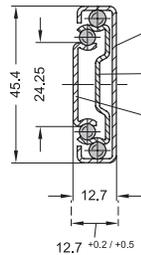
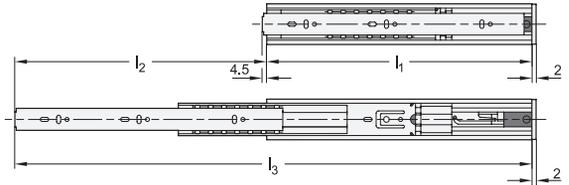
### INFORMATION

Telescopic slides GN 1418 are installed vertically and in pairs. The stroke reaches  $\approx 100\%$  of the nominal length  $l_1$  (full extension). The rubber stops of type F dampen the impact of the slide in the end positions. This feature minimizes noise development and increases the lifespan. 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
- other surfaces

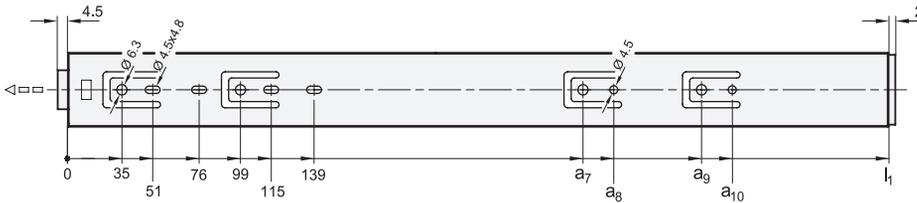


### GN 1418

| Description        | $l_1$ | $l_2 +3/-3$ | $l_3$ | $F_s$ per pair in N<br>at 10,000 cycles | $F_s$ per pair in N<br>at 100,000 cycles | ⚖    |
|--------------------|-------|-------------|-------|---|--|------|
| GN 1418-350-F-1-ZB | 350*  | 350         | 700   | 380                                     | 290                                      | 1065 |
| GN 1418-400-F-1-ZB | 400*  | 400         | 800   | 430                                     | 340                                      | 1215 |
| GN 1418-450-F-1-ZB | 450*  | 450         | 900   | 430                                     | 340                                      | 1400 |
| GN 1418-500-F-1-ZB | 500*  | 500         | 1000  | 380                                     | 290                                      | 1510 |
| GN 1418-550-F-1-ZB | 550*  | 550         | 1100  | 330                                     | 240                                      | 1655 |
| GN 1418-600-F-1-ZB | 600*  | 600         | 1200  | 300                                     | 200                                      | 1835 |
| GN 1418-650-F-1-ZB | 650*  | 650         | 1300  | 300                                     | 200                                      | 2000 |

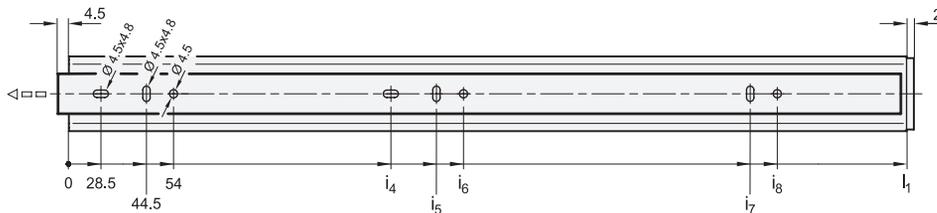
\* The telescopic slides are delivered in pairs.

Mounting holes - Outer slide



| l1  | a7  | a8  | a9  | a10 |
|-----|-----|-----|-----|-----|
| 350 | 195 | 211 | -   | -   |
| 400 | 195 | 211 | -   | -   |
| 450 | 259 | 275 | -   | -   |
| 500 | 291 | 307 | -   | -   |
| 550 | 355 | 371 | -   | -   |
| 600 | 387 | 403 | 451 | 467 |
| 650 | 419 | 435 | 483 | 499 |

Mounting holes - Inner slide



| l1  | i4  | i5  | i6    | i7  | i8    |
|-----|-----|-----|-------|-----|-------|
| 350 | 125 | 141 | 150.5 | 269 | 278.5 |
| 400 | 189 | 205 | 214.5 | 301 | 310.5 |
| 450 | 189 | 205 | 214.5 | 333 | 342.5 |
| 500 | 189 | 205 | 214.5 | 365 | 374.5 |
| 550 | 189 | 205 | 214.5 | 397 | 406.5 |
| 600 | 253 | 269 | 278.5 | 493 | 502.5 |
| 650 | 253 | 269 | 278.5 | 525 | 534.5 |

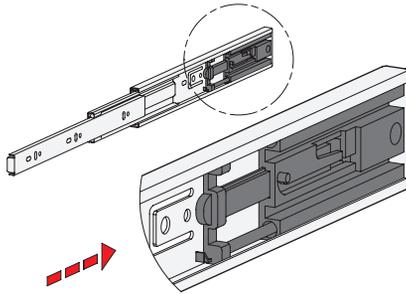
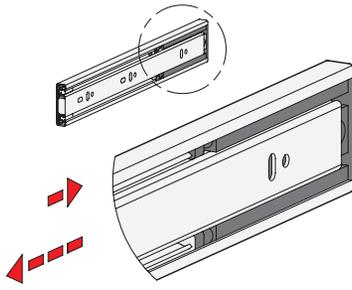
Fastening screws

For the said loading forces  $F_s$  to be absorbed reliably in the surrounding structure, all available through-holes of the outer and inner slide having a diameter ( $\varnothing$ ) of 4.5 must be used. Alternatively, the outer slide has holes with a diameter ( $\varnothing$ ) of 6.3 for Euro screws. The elongated holes,  $\varnothing 4.5 \times 4.8$ , are used likewise for fastening and facilitate adjustment during mounting when needed. 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  |
|---|--------------|--------------|
| Hexagon socket button head screw   ISO 7380 | M 4          | M 4          |
| Pan head screw, Phillips   ISO 7045         | M 4          | M 4          |
| Pan head tapping screw, Phillips   ISO 7049 | ST 3.9 / 4.2 | ST 3.9 / 4.2 |



### Push to open - mechanism



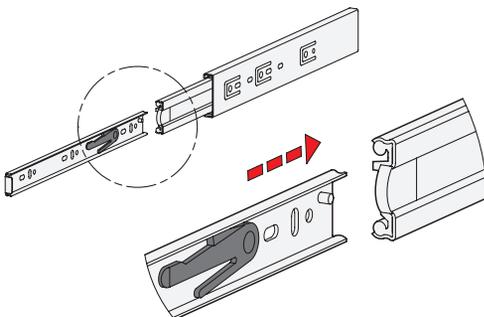
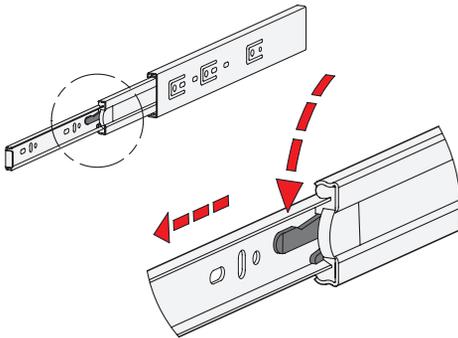
Telescopic slides GN 1418 come with a "push to open" or "touch to open" mechanism. In addition to ease of opening, the system allows you to have drawers without a front handle. The visual appearance is trim and high-end.

The drawers are actuated by pressing your hand on the front of the slide-out shelf or drawer. The required force to activate the opening mechanism is about 40 N per rail pair. The inner rail extends about 4.5 mm in its home position and can be pressed in a maximum of 8 mm in the closing direction. This should be taken into account during construction in order to prevent collisions. The pressure or release point is reached at about 3 mm which causes the drawer to slide out smoothly to about 42 mm in the opening direction after being released.

The same force has to be overcome when the drawer is closed. Over the last 42 mm, the drawer's speed is reduced to a maximum of 0.15 m/s.

When closed, the rail is held by the opening mechanism as a type of lock.

### Detach function



Type F has additionally a detach function through which the extension slides can 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 extracted position through activation of the release lever, allowing the inner slide to be removed from the front.

For reattaching the slides, the ball cages need to be moved to the front end position. Then the inner slide is inserted to the back end stop where it locks into place automatically.

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