

## Lateral Plungers with thread, with seal

22150.0452



### Product Description

To be used for positioning and applying pressure, e.g. during painting and sandblasting. Sealed against chips and dirt.

### Material

#### Seal

- CR

#### Body

- Steel, zinc-plated by galvanization

#### Spring

- Steel, zinc-plated by galvanization

#### Pin

- Steel, case-hardened, zinc-plated by galvanization

### Assembly

Lateral plungers are installed by screwing in by means of a mounting tool.

Formula for calculating the center distance for the mounting hole:

$$l_0 = z/2 + w + x,$$

$l_0$  = center distance,

$y$  = workpiece height,

$w$  = workpiece length,

$x$  = coordinate dimension,

$s$  = stroke,

$z$  = stop diameter

Calculation dimension  $x$ :

$y$  greater than or equal to  $l_2 - d_2/2$ , then  $x =$

$$d_2/2 - s$$

or

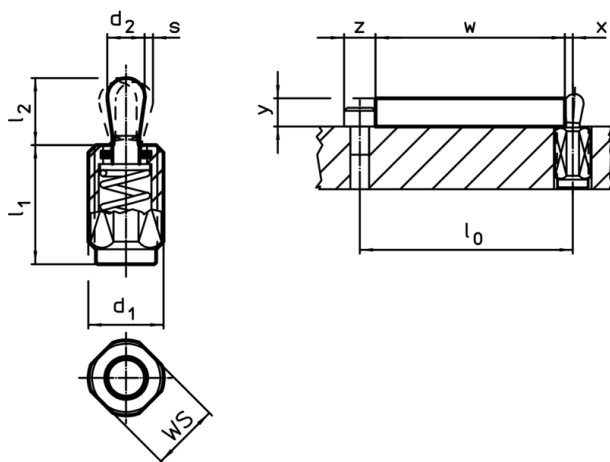
$y$  smaller than  $l_2 - d_2/2$ , then  $x =$

$$d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$$

### Characteristic

Heavy spring load = spring from steel, zinc-plated by galvanization

### Drawing




### Order information

d <sub>1</sub>	Dimensions		Spring load F max. <sup>1)</sup> ~ [N]	d <sub>2</sub>	l <sub>2</sub>	Stroke s [mm]	WS [mm]	max. [°C]	g	Art. No.
	l <sub>1</sub> -2 [mm]									
M18 x 1,5	18		200	10	16	1,6	16	110	20	22150.0452

<sup>1)</sup> statistical average value

Accessories

	Dimensions $d_1$ [mm]	 [g]	Art. No.
assembly tool	M18 x 1,5	137	22150.0822

Application example

