

## Lateral Plungers • with plastic spring and pin

22150.0211



## Product Description

To be used for positioning and applying pressure, e.g. during painting and sandblasting.

## Material

## Spring

- plastic

## Pin

- Steel, case-hardened, blackened

## Assembly

It is recommended to moisten the body.

Installation by pressing in.

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

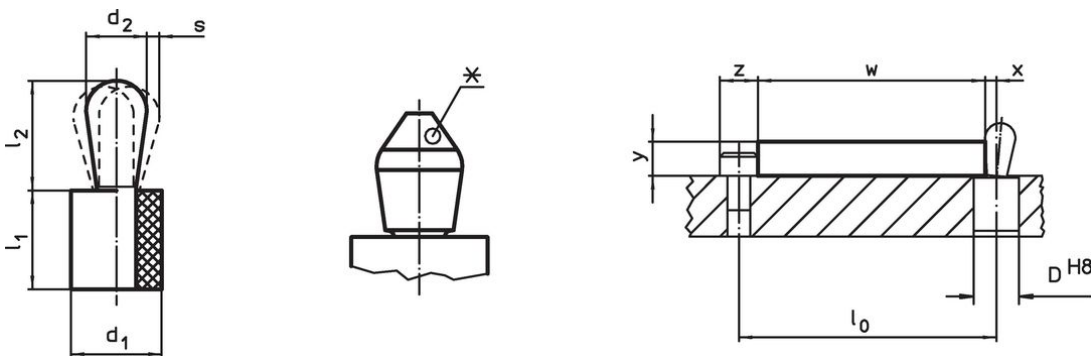
$y$  smaller than  $l_2 - d_2/2$ ,

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

## Characteristic

Version standard spring load = red spring

## Drawing



\*some sizes (see chart) have a deviating pin shape



## Order information

Dimensions		Spring load F max. <sup>1)</sup> ~ [N]	Dimensions		Stroke s [mm]	Location hole D H8 [mm]	$x^{2)}$ [mm]	max. [°C]	[g]	Art. No.
$d_1$	$d_2$		$l_1$ -1	$l_2$ $\pm 0.5$						
[mm]	[mm]		[mm]	[mm]						
Pin: Steel/pin from steel, standard spring load										
12	8	50	13	13.3	0.6	11.9	2.7	100	6.8	22150.0211

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

<sup>2)</sup> If the workpiece height ( $y$ ) is less than  $l_2 - d_2/2$ , the coordinate dimension ( $x$ ) must be calculated.

Accessories

	Dimensions d <sub>1</sub> [mm]	 [g]	Art. No.
assembly tool			
	12	96	22150.0843

Compliance

RoHS compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 23.01.2024.

Does not contain Proposition 65 substances

No Proposition 65 substances included.

<https://www.P65Warnings.ca.gov/>

Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.