Lateral Plungers • with thread, without seal
22150.0314

Product Description

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

Material

Body
- Steel, zinc-plated by galvanization

Spring
- Stainless steel

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

Version light spring load = spring from stainless steel

Drawing

Order information

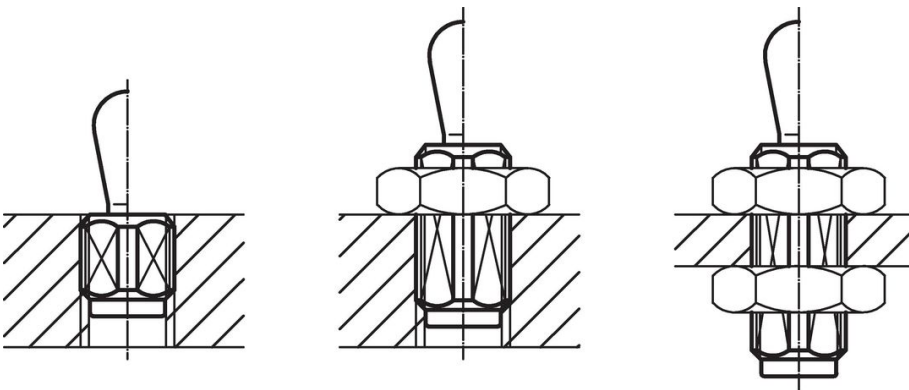| d₁	l₁ -2	Dimensions Spring load F max. [2] ~	d₂	l₂	Stroke s	WS	x [1]	🌡 max.	⚓	Art. No.
[mm]	[mm]	[N]	[mm]	[mm]	[mm]	[mm]	[mm]	[°C]	[g]	
Pin: Steel/Light spring load										
M12	19	20	5	6.4	0.8	10	1.7	250	5.9	**22150.0314**

[1] If the workpiece height (y) is less than l2-d2/2, the coordinate dimension (x) must be calculated.

[2] statistical average value

Accessories

	Dimensions d₁ [mm]	⚓ [g]	Art. No.
assembly tool			
	M12	76	**22150.0820**

Application example

Compliance

RoHS compliant
Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w
Contains lead - SVHC list [REACH] as of 23.01.2024.

Contains Proposition 65 substances

⚠

Lead can cause cancer and reproductive harm from exposure
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.