Lateral Plungers • with thread, with seal
22150.0430

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
- Stainless steel

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

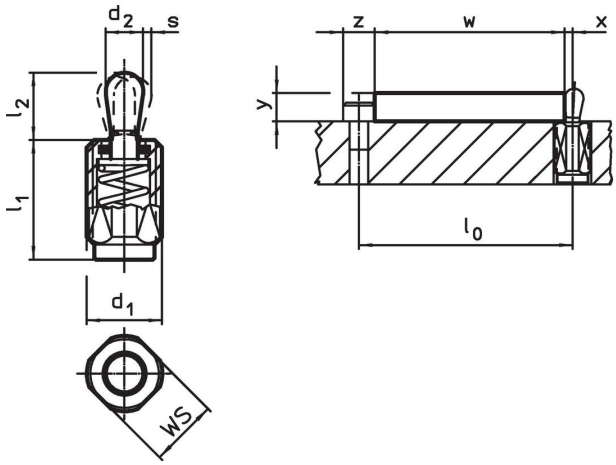
Assembly

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 $x = d_2/2 - s$
(value x for this case see table)
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

Dimensions					Stroke	WS	x[1]	max.		Art. No.
d_1	l_1 -2	Spring load F max. [2] ~	d_2	l_2	s					
[mm]		[N]	[mm]		[mm]	[mm]	[mm]	[°C]	[g]	
Pin: Steel/Light spring load										
M12	**11.5**	**40**	6	10	1	10	2	110	4.7	22150.0430

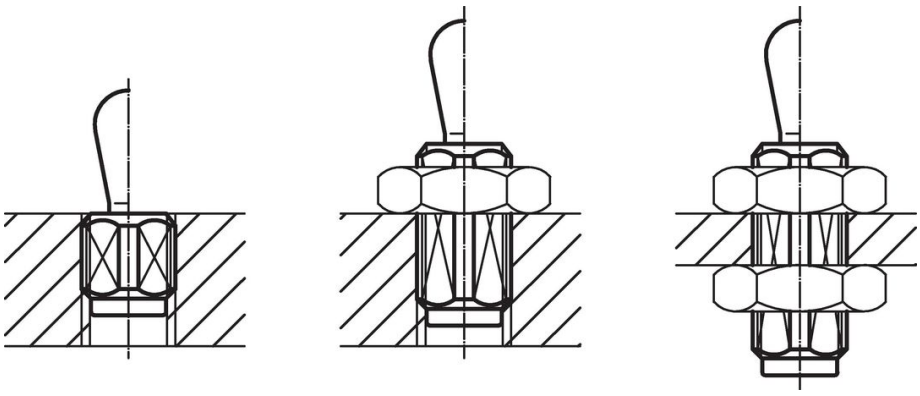
[1] If the workpiece height (y) is less than l2-d2/2, the coordinate dimension (x) must be calculated.

[2] statistical average value

Accessories

	Dimensions d_1 [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 27.06.2024.

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.