Lateral Plungers• with thread, without seal

22150.0331

Product Description

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

Material

Body
• Steel, zinc-plated by galvanization

Spring
• Steel, blackened

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:
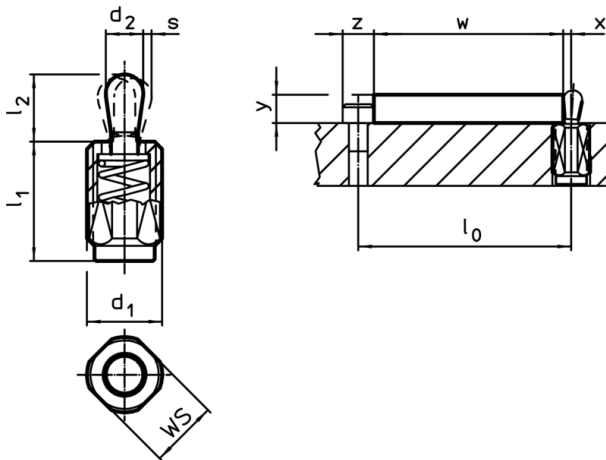y greater than or equal to $l_2 - d_2/2$, then $x = d_2/2 - s$
or
y smaller than $l_2 - d_2/2$, then $x = d_2/2 - s - [(l_2 - d_2/2 - y) * 0,123]$

Characteristic

Standard spring load = spring from steel, blackened

Drawing

Order information

d_1	l_1 -2	Spring load F max.[1] ~	d_2	l_2	Stroke s	WS	max.		Art. No.
[mm]		[N]		[mm]	[mm]	[mm]	[°C]	[g]	
Pin: Steel/standard spring load									
M12	11,5	75	6	10,4	2	10	250	4,9	22150.0331

[1] statistical average value

Accessories

Dimensions d_1 [mm]	🏋 [g]	Art. No.
assembly tool		
M12	76	22150.0820

Application example