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Lateral Plungers • with thread, with seal

EH 22150.



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
- Steel, blackened
- Steel, zinc-plated by galvanization

Pin
- Steel, case-hardened, zinc-plated by galvanization
- Thermoplastic POM, white

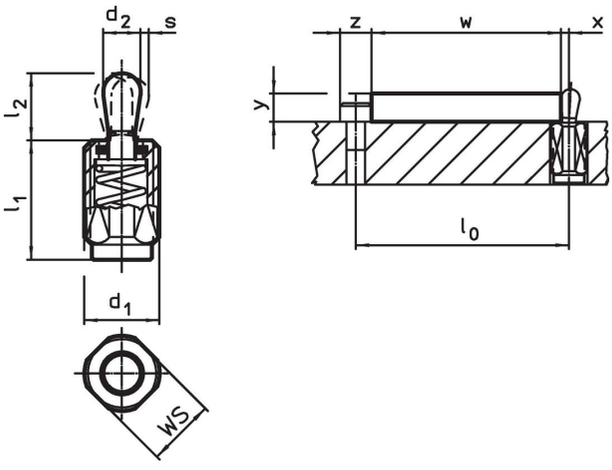
Assembly

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
Version standard spring load = spring from steel, blackened
Version heavy spring load = spring from steel, zinc-plated by galvanization

Drawing



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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**	**20**	5	6	0.8	10	1.7	110	3.8	22150.0410
M12	**19.0**	**20**	5	6	0.8	10	1.7	110	5.6	22150.0414
M12	**26.5**	**20**	5	6	0.8	10	1.7	110	7.5	22150.0418
M12	**11.5**	**40**	6	10	1.0	10	2.0	110	4.7	22150.0430
M12	**19.0**	**40**	6	10	1.0	10	2.0	110	6.5	22150.0434
M12	**26.5**	**40**	6	10	1.0	10	2.0	110	8.3	22150.0438
M18 x 1,5	**18.0**	**100**	10	16	1.6	16	3.4	110	20.0	22150.0450
M18 x 1,5	**31.5**	**100**	10	16	1.6	16	3.4	110	28.0	22150.0454
M18 x 1,5	**45.0**	**100**	10	16	1.6	16	3.4	110	36.0	22150.0458
Pin: Steel/Standard spring load										
M12	**11.5**	**50**	5	6	0.8	10	1.7	110	4.1	22150.0411
M12	**19.0**	**50**	5	6	0.8	10	1.7	110	6.3	22150.0415
M12	**26.5**	**50**	5	6	0.8	10	1.7	110	8.1	22150.0419
M12	**11.5**	**75**	6	10	1.0	10	2.0	110	4.8	22150.0431
M12	**19.0**	**75**	6	10	1.0	10	2.0	110	6.9	22150.0435
M12	**26.5**	**75**	6	10	1.0	10	2.0	110	8.9	22150.0439
M18 x 1,5	**18.0**	**150**	10	16	1.6	16	3.4	110	20.0	22150.0451
M18 x 1,5	**31.5**	**150**	10	16	1.6	16	3.4	110	29.0	22150.0455
M18 x 1,5	**45.0**	**150**	10	16	1.6	16	3.4	110	40.0	22150.0459
Pin: Steel/Heavy spring load										
M12	**11.5**	**100**	5	6	0.8	10	1.7	110	4.2	22150.0412
M12	**19.0**	**100**	5	6	0.8	10	1.7	110	6.6	22150.0416
M12	**26.5**	**100**	5	6	0.8	10	1.7	110	8.7	22150.0420
M12	**11.5**	**100**	6	10	1.0	10	2.0	110	5.4	22150.0432
M12	**19.0**	**100**	6	10	1.0	10	2.0	110	7.6	22150.0436
M12	**26.5**	**100**	6	10	1.0	10	2.0	110	10.0	22150.0440
M18 x 1,5	**18.0**	**200**	10	16	1.6	16	3.4	110	20.0	22150.0452
M18 x 1,5	**31.5**	**200**	10	16	1.6	16	3.4	110	29.0	22150.0456
M18 x 1,5	**45.0**	**200**	10	16	1.6	16	3.4	110	38.0	22150.0460
Pin: Thermoplastic/Light spring load										
M12	**11.5**	**20**	5	6	0.8	10	1.7	80	2.6	22150.0470
M12	**19.0**	**20**	5	6	0.8	10	1.7	80	4.4	22150.0475
M12	**26.5**	**20**	5	6	0.8	10	1.7	80	6.1	22150.0483
M12	**11.5**	**40**	6	10	1.0	10	2.0	80	2.7	22150.0473
M12	**19.0**	**40**	6	10	1.0	10	2.0	80	4.5	22150.0480
M12	**26.5**	**40**	6	10	1.0	10	2.0	80	6.2	22150.0485
M18 x 1,5	**18.0**	**100**	10	16	1.6	16	3.4	80	12.0	22150.0490
M18 x 1,5	**31.5**	**100**	10	16	1.6	16	3.4	80	21.0	22150.0493
M18 x 1,5	**45.0**	**100**	10	16	1.6	16	3.4	80	30.0	22150.0495

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

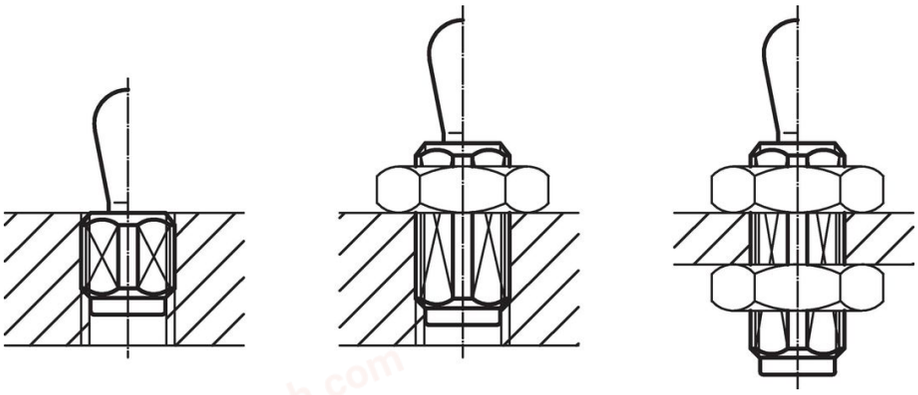
[2] statistical average value

Accessories

	Dimensions d_1 [mm]	[g]	Art. No.
assembly tool			
	**M12**	76	22150.0820
	M18 x 1,5	137	22150.0822

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Application example



Compliance

For detailed compliance information please select the desired article number.