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Spring Push Plungers • with mounting flange, horizontal
EH 22170.



Product Description

The spring push plungers are used for simple and secure positioning of workpieces or components on stops and support points.
The spring push plunger is designed with a thrust pad that can be rotated 4 x 90° depending on the application.
Below h_2, a pull-down effect is created when the thrust pad is installed in the appropriate position.

Material

Body
- Zinc die-cast, plastic coated, black, similar to RAL 9005, matt structure

Thrust Pad
- Stainless steel 1.4542
- Thermoplastic POM, black

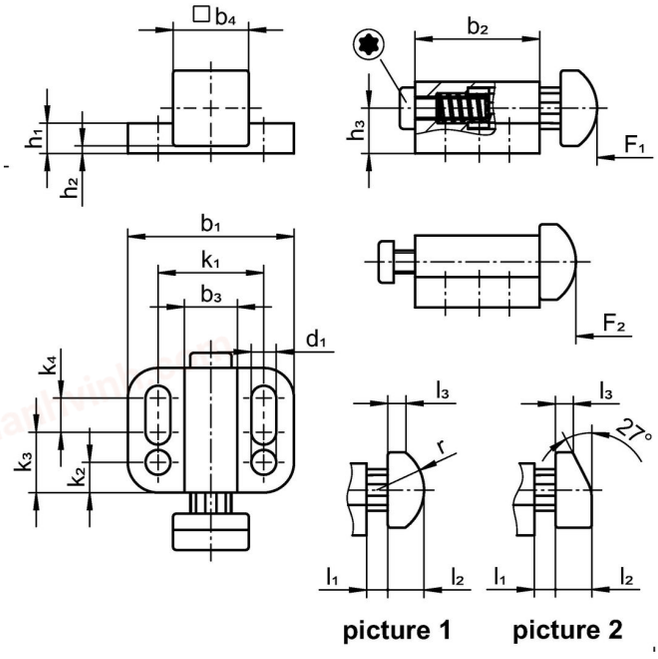
Screw
- Stainless steel A2
- Steel, zinc-nickel coated by galvanization

Spring
- Stainless steel 1.4310

Assembly

Assembly by means of washers ISO 7092.

Drawing



picture 1 picture 2

Order information

Dimensions																Stroke s ~		Spring load[1]			Art. No.
b_1	d_1	b_2	b_3	b_4	h_1	h_2 +0.5	h_3	k_1	k_2	k_3	k_4	l_1 ~	l_2	l_3 ~	r			F_1	F_2		
[mm]																[mm]		[N]		[g]	
plunger rounded, smooth, standard spring load – picture 1, Stainless steel																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	6.25	2.8	10	8	11	14	22170.0005
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	10.00	5.0	20	8	19	41	22170.0010
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	13.75	8.2	30	17	33	96	22170.0015

[1] statistical average value

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Dimensions																Stroke s ~		Spring load[1]			Art. No.
b_1	d_1	b_2	b_3	b_4	h_1	h_2 +0.5	h_3	k_1	k_2	k_3	k_4	l_1 ~	l_2	l_3 ~	r			F_1	F_2		
[mm]																[mm]		[N]		[g]	
plunger rounded, heavy spring load – picture 1, Stainless steel																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	6.25	2.8	10	11	20	14	22170.1005
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	10.00	5.0	20	19	45	41	22170.1010
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	13.75	8.2	30	27	75	290	22170.1015
plunger wedge-shaped, smooth, standard spring load – picture 2, Stainless steel																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	–	2.8	10	8	11	14	22170.0105
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	–	5.0	20	8	19	41	22170.0110
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	–	8.2	30	17	33	95	22170.0115
plunger wedge-shaped, smooth, heavy spring load – picture 2, Stainless steel																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	–	2.8	10	11	20	52	22170.1105
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	–	5.0	20	19	45	41	22170.1110
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	–	8.2	30	27	75	96	22170.1115
plunger rounded, standard spring load – picture 1, Thermoplastic POM, black																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	6.25	2.8	10	8	11	11	22170.0505
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	10.00	5.0	20	8	19	32	22170.0510
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	13.75	8.2	30	17	33	69	22170.0515
plunger rounded, heavy spring load – picture 1, Thermoplastic POM, black																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	6.25	2.8	10	11	20	11	22170.1505
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	10.00	5.0	20	19	45	32	22170.1510
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	13.75	8.2	30	27	75	70	22170.1515
plunger wedge-shaped, standard spring load – picture 2, Thermoplastic POM, black																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	–	2.8	10	8	11	11	22170.0605
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	–	5.0	20	8	19	32	22170.0610
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	–	8.2	30	17	33	69	22170.0615
plunger wedge-shaped, heavy spring load – picture 2, Thermoplastic POM, black																					
22	**3.3**	16.5	7.0	10	4	1	6	14	4.0	8	4.5	2.8	4.8	2.4	–	2.8	10	11	20	11	22170.1605
32	**5.4**	27.5	10.0	16	5	1	9	21	5.5	12	10.0	5.0	7.0	3.1	–	5.0	20	19	45	32	22170.1610
39	**6.5**	35.0	14.5	22	6	1	12	27	6.5	15	13.5	8.2	10.0	4.7	–	8.2	30	27	75	69	22170.1615

[1] statistical average value

Compliance

RoHS-compliant
Compliant with Directive 2011/65/EU [RoHS].

Does not contain SVHC substances
No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 04.02.2026.

SCIP-code
N/A

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.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.