

## 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

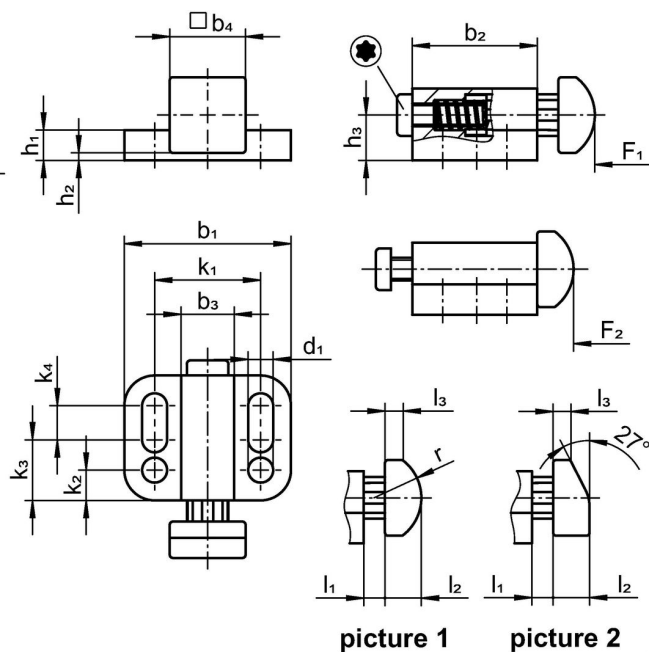
#### Spring

- Stainless steel 1.4310

### Assembly

Assembly by means of washers ISO 7092.



### Drawing



### Order information

Dimensions																Stroke s ~		Spring load <sup>1)</sup>			Art. No.	
b <sub>1</sub>	d <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	k <sub>1</sub>	k <sub>2</sub>	k <sub>3</sub>	k <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	r	[mm]		F <sub>1</sub>	F <sub>2</sub>	[N]	[g]	
[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	12	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	39	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	93	22170.0015	

<sup>1)</sup> statistical average value

Dimensions																Stroke s ~ [mm]		Spring load <sup>1)</sup>			Art. No.
b <sub>1</sub>	d <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	h <sub>1</sub>	h <sub>2</sub> +0.5	h <sub>3</sub>	k <sub>1</sub>	k <sub>2</sub>	k <sub>3</sub>	k <sub>4</sub>	l <sub>1</sub> ~	l <sub>2</sub>	l <sub>3</sub> ~	r			F <sub>1</sub>	F <sub>2</sub>		
[mm]																[mm]		[N]	[g]		
<b>plunger rounded, heavy spring load – picture 1, Stainless steel</b>																					
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	13	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	40	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	96	22170.1015
<b>plunger wedge-shaped, smooth, standard spring load – picture 2, Stainless steel</b>																					
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	12	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	39	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	93	22170.0115
<b>plunger wedge-shaped, smooth, heavy spring load – picture 2, Stainless steel</b>																					
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	13	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	40	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	94	22170.1115
<b>plunger rounded, standard spring load – picture 1, Thermoplastic POM, black</b>																					
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
<b>plunger rounded, heavy spring load – picture 1, Thermoplastic POM, black</b>																					
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	12	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	71	22170.1515
<b>plunger wedge-shaped, standard spring load – picture 2, Thermoplastic POM, black</b>																					
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	13	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
<b>plunger wedge-shaped, heavy spring load – picture 2, Thermoplastic POM, black</b>																					
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	14	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	71	22170.1615

<sup>1)</sup> statistical average value

## Compliance

### RoHS compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

### Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

### 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.