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Spring Plungers • with pin and slot - INCH
EH 2B020.



Product Description

To be used for positioning, indexing, locking, latching as well as for other similar pressure applications.
Spring plungers can be used for locking as well as for applying or ejecting pressure.

Material

Pin
- Free cutting steel, hardened, blackened
- Stainless Steel 1.4305 (ASTM-A-582), nitrided

Body
- Free cutting steel, blackened
- Stainless steel 1.4305 (ASTM-A-582)

Spring
- Stainless steel

More information

Notes

Customized design on request.
Spring plungers are specially tested for spring range and spring load.
- This product is manufactured in INCH dimensions.

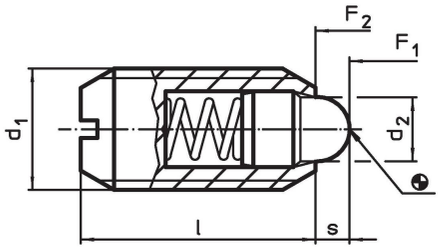
References

A conversion table can be found in the technical data following these product information pages.
Thread lock: polyamide spot coating (for details please refer to the technical appendix).

Further products

- Spring Plungers, with pin and slot

Drawing



Order information

Dimensions						Stroke	Spring load[1]					Art. No.
d_1		Thread	d_2	l		s	F_1 ~	F_2 ~	min.	max.		
	[in]		[in]			[in]	[lb]		[°F]		[oz]	
free cutting steel, standard spring load, Without thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	1.5	-22	482	0.01	2B020.0033
#8-32		0.164	2A-UNC	0.070	7/16	0.052	0.8	1.5	-22	482	0.02	2B020.0036
#8-36		0.164	2A-UNF	0.070	7/16	0.052	0.8	1.5	-22	482	0.02	2B020.0038
#10-32		0.190	2A-UNF	0.093	15/32	0.065	1.0	2.5	-22	482	0.04	2B020.0040
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	1.1	3.5	-22	482	0.06	2B020.0042
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	1.0	4.0	-22	482	0.12	2B020.0046
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	1.5	4.5	-22	482	0.19	2B020.0048
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	1.8	5.5	-22	482	0.38	2B020.0050
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	2.0	8.5	-22	482	0.89	2B020.0052
free cutting steel, standard spring load, With thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	1.5	-22	194	0.01	2B020.0233
#8-32		0.164	2A-UNC	0.070	7/16	0.052	0.8	1.5	-22	194	0.02	2B020.0236
#8-36		0.164	2A-UNF	0.070	7/16	0.052	0.8	1.5	-22	194	0.03	2B020.0238
#10-32		0.190	2A-UNF	0.093	15/32	0.065	1.0	2.5	-22	194	0.04	2B020.0240
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	1.1	3.5	-22	194	0.06	2B020.0242
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	1.0	4.0	-22	194	0.12	2B020.0246
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	1.5	4.5	-22	194	0.19	2B020.0248
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	1.8	5.5	-22	194	0.38	2B020.0250
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	2.0	8.5	-22	194	0.89	2B020.0252

[1] statistical average value

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Dimensions						Stroke	Spring load[1]					Art. No.
d_1		Thread	d_2	l		s	F_1 ~	F_2 ~	min.	max.		
	[in]		[in]			[in]	[lb]		[°F]		[oz]	
free cutting steel, heavy spring load, Without thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	2.5	-22	482	0.02	2B020.0063
#8-32		0.164	2A-UNC	0.070	7/16	0.052	1.8	4.6	-22	482	0.03	2B020.0066
#8-36		0.164	2A-UNF	0.070	7/16	0.052	1.8	4.6	-22	482	0.03	2B020.0068
#10-32		0.190	2A-UNF	0.093	15/32	0.065	2.6	6.3	-22	482	0.04	2B020.0070
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	3.0	9.7	-22	482	0.07	2B020.0072
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	3.8	13.0	-22	482	0.12	2B020.0076
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	4.5	16.0	-22	482	0.18	2B020.0078
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	5.0	22.4	-22	482	0.38	2B020.0080
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	7.0	43.5	-22	482	0.91	2B020.0082
free cutting steel, heavy spring load, With thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	2.5	-22	194	0.02	2B020.0263
#8-32		0.164	2A-UNC	0.070	7/16	0.052	1.8	4.6	-22	194	0.02	2B020.0266
#8-36		0.164	2A-UNF	0.070	7/16	0.052	1.8	4.6	-22	194	0.03	2B020.0268
#10-32		0.190	2A-UNF	0.093	15/32	0.065	2.6	6.3	-22	194	0.04	2B020.0270
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	3.0	9.7	-22	194	0.07	2B020.0272
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	3.8	13.0	-22	194	0.12	2B020.0276
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	4.5	16.0	-22	194	0.19	2B020.0278
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	5.0	22.4	-22	194	0.39	2B020.0280
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	7.0	43.5	-22	194	0.91	2B020.0282
stainless steel, standard spring load, Without thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	1.5	-22	482	0.01	2B020.0133
#8-32		0.164	2A-UNC	0.070	7/16	0.052	0.8	1.5	-22	482	0.02	2B020.0136
#8-36		0.164	2A-UNF	0.070	7/16	0.052	0.8	1.5	-22	482	0.02	2B020.0138
#10-32		0.190	2A-UNF	0.093	15/32	0.065	1.0	2.5	-22	482	0.04	2B020.0140
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	1.1	3.5	-22	482	0.07	2B020.0142
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	1.0	4.0	-22	482	0.12	2B020.0146
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	1.5	4.5	-22	482	0.18	2B020.0148
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	1.8	5.5	-22	482	0.39	2B020.0150
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	2.0	8.5	-22	482	0.89	2B020.0152
stainless steel, standard spring load, With thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	1.5	-22	194	0.02	2B020.0333
#8-32		0.164	2A-UNC	0.070	7/16	0.052	0.8	1.5	-22	194	0.02	2B020.0336
#8-36		0.164	2A-UNF	0.070	7/16	0.052	0.8	1.5	-22	194	0.02	2B020.0338
#10-32		0.190	2A-UNF	0.093	15/32	0.065	1.0	2.5	-22	194	0.04	2B020.0340
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	1.1	3.5	-22	194	0.06	2B020.0342
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	1.0	4.0	-22	194	0.12	2B020.0346
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	1.5	4.5	-22	194	0.19	2B020.0348
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	1.8	5.5	-22	194	0.38	2B020.0350
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	2.0	8.5	-22	194	0.89	2B020.0352
stainless steel, heavy spring load, Without thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	2.5	-22	482	0.01	2B020.0163
#8-32		0.164	2A-UNC	0.070	7/16	0.052	1.8	4.6	-22	482	0.03	2B020.0166
#8-36		0.164	2A-UNF	0.070	7/16	0.052	1.8	4.6	-22	482	0.02	2B020.0168
#10-32		0.190	2A-UNF	0.093	15/32	0.065	2.6	6.3	-22	482	0.04	2B020.0170
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	3.0	9.7	-22	482	0.07	2B020.0172
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	3.8	13.0	-22	482	0.12	2B020.0176
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	4.5	16.0	-22	482	0.19	2B020.0178
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	5.0	22.4	-22	482	0.40	2B020.0180
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	7.0	43.5	-22	482	0.91	2B020.0182
stainless steel, heavy spring load, With thread lock												
#6-32		0.138	2A-UNC	0.046	3/8	0.063	0.5	2.5	-22	194	0.02	2B020.0363
#8-32		0.164	2A-UNC	0.070	7/16	0.052	1.8	4.6	-22	194	0.03	2B020.0366
#8-36		0.164	2A-UNF	0.070	7/16	0.052	1.8	4.6	-22	194	0.03	2B020.0368
#10-32		0.190	2A-UNF	0.093	15/32	0.065	2.6	6.3	-22	194	0.04	2B020.0370
1/4-20	1/4	0.250	2A-UNC	0.119	17/32	0.078	3.0	9.7	-22	194	0.07	2B020.0372

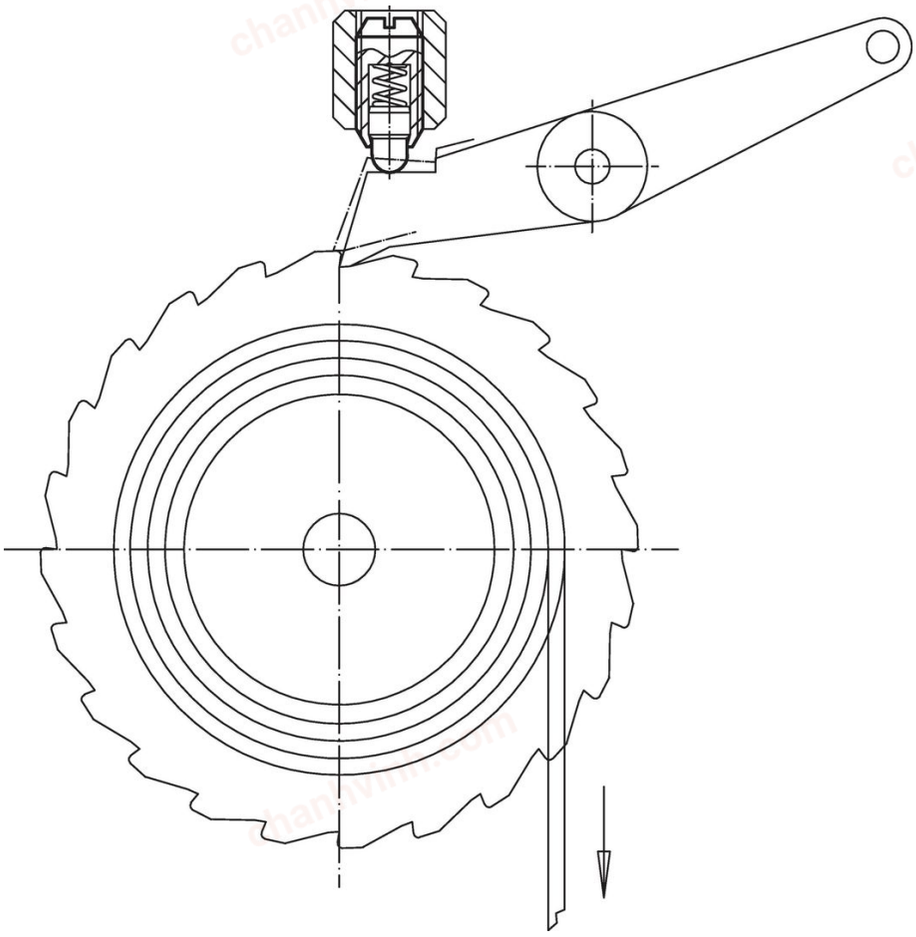
[1] statistical average value

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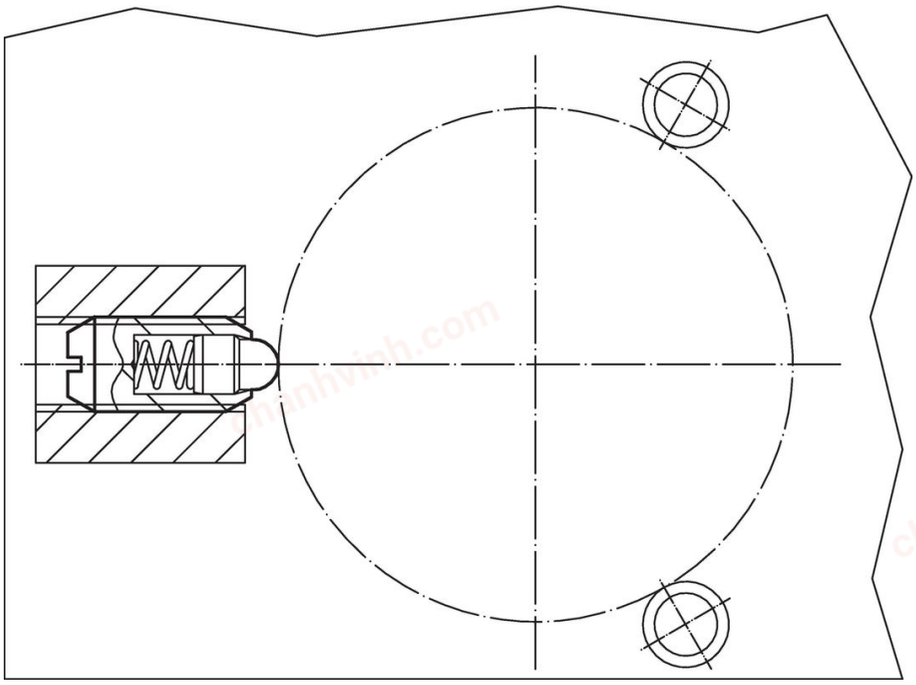
Dimensions						Stroke	Spring load[1]					Art. No.
d_1			Thread	d_2	l	s	F_1 ~	F_2 ~	min.	max.		
	[in]			[in]		[in]	[lb]		[°F]		[oz]	
5/16-18	5/16	0.313	2A-UNC	0.135	37/64	0.084	3.8	13.0	-22	194	0.12	2B020.0376
3/8-16	3/8	0.375	2A-UNC	0.186	5/8	0.110	4.5	16.0	-22	194	0.19	2B020.0378
1/2-13	1/2	0.500	2A-UNC	0.248	3/4	0.151	5.0	22.4	-22	194	0.40	2B020.0380
5/8-11	5/8	0.625	2A-UNC	0.310	1 1/16	0.215	7.0	43.5	-22	194	0.91	2B020.0382

[1] statistical average value

Application example



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Compliance

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