

Spring Plungers• with pin and internal hexagon - INCH EH 2B030.



Product Description

To be used for positioning, indexing, locking, latching as well as for other similar pressure applications.

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection.

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)

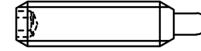
Spring

- stainless steel

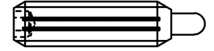
Characteristic

Standard spring load: no marking

Heavy spring load: marked with two lines



Standard spring load



Heavy spring load

More information

Notes

Special types on request.

Spring plungers are specially tested for spring range and forces.

- This product is manufactured in INCH dimensions.

References

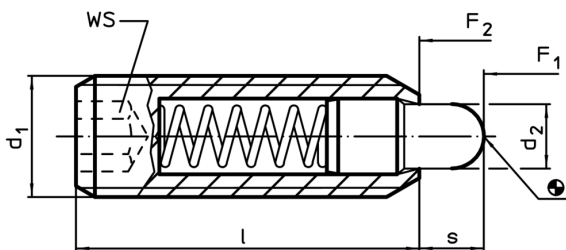
A conversion table can be found in the technical data following these product information pages.

Thread lock: polyamide spot coating (for details please refer to the technical appendix).

Further products

- Spring Plungers, with pin and internal hexagon



Drawing





Order information

Dimensions				WS [inch]	Stroke s [inch]	Spring load ¹⁾		Temperature		Weight [oz]	RoHS	REACH	Art. No.
d ₁	Thread	d ₂	l			F ₁	F ₂	min.	max.				
[inch]				[inch]	[inch]	[lb]	[lb]	[°F]	[°F]	[oz]			
free cutting steel, standard spring load, Without thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	0.5	1.5	-22	482	0.025	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0033
8-32	2A-UNC	0.070	5/8	5/64	0.094	0.8	2.3	-22	482	0.042	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0036
10-32	2A-UNF	0.093	3/4	3/32	0.125	1.4	2.7	-22	482	0.063	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0040
1/4-20	2A-UNC	0.119	1	1/8	0.188	1.0	4.0	-22	482	0.134	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0042
1/4-28	2A-UNF	0.119	1	1/8	0.188	1.0	4.0	-22	482	0.145	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0044
5/16-18	2A-UNC	0.135	1	5/32	0.188	1.5	4.5	-22	482	0.205	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0046
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	2.7	7.2	-22	482	0.335	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0048
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	2.7	9.3	-22	482	0.656	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0050
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	3.5	10.6	-22	482	1.242	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0052
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	5.5	14.5	-22	482	2.152	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0053
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	4.0	31.0	-22	482	5.443	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0054

¹⁾ statistical average value

Dimensions				WS [inch]	Stroke s [inch]	Spring load ¹⁾		 min. max. [°F]		 [oz]	RoHS	REACH	Art. No.
d ₁	Thread	d ₂	l			F ₁	F ₂	~	~				
[inch]				[inch]	[inch]	[lb]	[lb]	[°F]	[°F]	[oz]			
free cutting steel, standard spring load, With thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	0.5	1.5	-22	194	0.025	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0233
8-32	2A-UNC	0.070	5/8	5/64	0.094	0.8	2.3	-22	194	0.042	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0236
10-32	2A-UNF	0.093	3/4	3/32	0.125	1.4	2.7	-22	194	0.063	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0240
1/4-20	2A-UNC	0.119	1	1/8	0.188	1.0	4.0	-22	194	0.134	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0242
1/4-28	2A-UNF	0.119	1	1/8	0.188	1.0	4.0	-22	194	0.145	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0244
5/16-18	2A-UNC	0.135	1	5/32	0.188	1.5	4.5	-22	194	0.205	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0246
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	2.7	7.2	-22	194	0.335	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0248
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	2.7	9.3	-22	194	0.656	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0250
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	3.5	10.6	-22	194	1.242	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0252
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	5.5	14.5	-22	194	2.152	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0253
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	4.0	31.0	-22	194	5.443	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0254

¹⁾ statistical average value

Dimensions				WS [inch]	Stroke s [inch]	Spring load ¹⁾		 min. max. [°F]		 [oz]	RoHS	REACH	Art. No.
d ₁	Thread	d ₂	l			F ₁	F ₂	~	~				
[inch]				[inch]	[inch]	[lb]	[lb]	[°F]	[°F]	[oz]			
free cutting steel, heavy spring load, Without thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	1.5	3.4	-22	482	0.026	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0063
8-32	2A-UNC	0.070	5/8	5/64	0.094	2.6	6.6	-22	482	0.042	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0066
10-32	2A-UNF	0.093	3/4	3/32	0.125	3.2	9.0	-22	482	0.067	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0070
1/4-20	2A-UNC	0.119	1	1/8	0.188	3.1	10.1	-22	482	0.134	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0072
1/4-28	2A-UNF	0.119	1	1/8	0.188	3.1	10.1	-22	482	0.145	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0074
5/16-18	2A-UNC	0.135	1	5/32	0.188	3.0	15.0	-22	482	0.207	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0076
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	5.5	12.7	-22	482	0.335	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0078
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	6.6	16.0	-22	482	0.649	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0080
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	10.5	22.2	-22	482	1.245	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0082
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	6.7	33.0	-22	482	2.187	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0083
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	16.0	60.0	-22	482	5.538	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0084

¹⁾ statistical average value

Dimensions				WS [inch]	Stroke s [inch]	Spring load ¹⁾		⚙️		🏠 [oz]	RoHS	REACH	Art. No.
d ₁	Thread	d ₂	l			F ₁ ~	F ₂ ~	min.	max.				
[inch]				[inch]	[inch]	[lb]				[oz]			
free cutting steel, heavy spring load, With thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	1.5	3.4	-22	194	0.026	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0263
8-32	2A-UNC	0.070	5/8	5/64	0.094	2.6	6.6	-22	194	0.042	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0266
10-32	2A-UNF	0.093	3/4	3/32	0.125	3.2	9.0	-22	194	0.067	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0270
1/4-20	2A-UNC	0.119	1	1/8	0.188	3.1	10.1	-22	194	0.134	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0272
1/4-28	2A-UNF	0.119	1	1/8	0.188	3.1	10.1	-22	194	0.145	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0274
5/16-18	2A-UNC	0.135	1	5/32	0.188	3.0	15.0	-22	194	0.207	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0276
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	5.5	12.7	-22	194	0.335	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0278
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	6.6	16.0	-22	194	0.649	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0280
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	10.5	22.2	-22	194	1.245	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0282
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	6.7	33.0	-22	194	2.187	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0283
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	16.0	60.0	-22	194	5.538	RoHS-compliant	Contains SVHC materials >0.1% w/w (see article list "REACH catalog articles")	2B030.0284
stainless steel, standard spring load, Without thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	0.5	1.5	-22	482	0.018	RoHS-compliant	contains no SVHC materials	2B030.0133
8-32	2A-UNC	0.070	5/8	5/64	0.094	0.8	2.3	-22	482	0.039	RoHS-compliant	contains no SVHC materials	2B030.0136
10-32	2A-UNF	0.093	3/4	3/32	0.125	1.4	2.7	-22	482	0.063	RoHS-compliant	contains no SVHC materials	2B030.0140
1/4-20	2A-UNC	0.119	1	1/8	0.188	1.0	4.0	-22	482	0.131	RoHS-compliant	contains no SVHC materials	2B030.0142

¹⁾ statistical average value

d ₁	Dimensions			WS [inch]	Stroke s [inch]	Spring load ¹⁾		⌚		⚖️ [oz]	RoHS	REACH	Art. No.
	Thread	d ₂ [inch]	l [inch]			F ₁ ~ [lb]	F ₂ ~ [lb]	min. [°F]	max.				
1/4-28	2A-UNF	0.119	1	1/8	0.188	1.0	4.0	-22	482	0.141	RoHS-compliant	contains no SVHC materials	2B030.0144
5/16-18	2A-UNC	0.135	1	5/32	0.188	1.5	4.5	-22	482	0.208	RoHS-compliant	contains no SVHC materials	2B030.0146
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	2.7	7.2	-22	482	0.328	RoHS-compliant	contains no SVHC materials	2B030.0148
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	2.7	9.3	-22	482	0.653	RoHS-compliant	contains no SVHC materials	2B030.0150
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	3.5	10.6	-22	482	1.242	RoHS-compliant	contains no SVHC materials	2B030.0152
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	5.5	14.5	-22	482	2.180	RoHS-compliant	contains no SVHC materials	2B030.0153
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	4.0	31.0	-22	482	5.474	RoHS-compliant	contains no SVHC materials	2B030.0154
stainless steel, standard spring load, With thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	0.5	1.5	-22	194	0.018	RoHS-compliant	contains no SVHC materials	2B030.0333
8-32	2A-UNC	0.070	5/8	5/64	0.094	0.8	2.3	-22	194	0.039	RoHS-compliant	contains no SVHC materials	2B030.0336
10-32	2A-UNF	0.093	3/4	3/32	0.125	1.4	2.7	-22	194	0.063	RoHS-compliant	contains no SVHC materials	2B030.0340
1/4-20	2A-UNC	0.119	1	1/8	0.188	1.0	4.0	-22	194	0.131	RoHS-compliant	contains no SVHC materials	2B030.0342
1/4-28	2A-UNF	0.119	1	1/8	0.188	1.0	4.0	-22	194	0.141	RoHS-compliant	contains no SVHC materials	2B030.0344
5/16-18	2A-UNC	0.135	1	5/32	0.188	1.5	4.5	-22	194	0.208	RoHS-compliant	contains no SVHC materials	2B030.0346
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	2.7	7.2	-22	194	0.328	RoHS-compliant	contains no SVHC materials	2B030.0348
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	2.7	9.3	-22	194	0.653	RoHS-compliant	contains no SVHC materials	2B030.0350
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	3.5	10.6	-22	194	1.242	RoHS-compliant	contains no SVHC materials	2B030.0352
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	5.5	14.5	-22	194	2.180	RoHS-compliant	contains no SVHC materials	2B030.0353
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	4.0	31.0	-22	194	5.474	RoHS-compliant	contains no SVHC materials	2B030.0354
stainless steel, heavy spring load, Without thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	1.5	3.4	-22	482	0.025	RoHS-compliant	contains no SVHC materials	2B030.0163
8-32	2A-UNC	0.070	5/8	5/64	0.094	2.6	6.6	-22	482	0.042	RoHS-compliant	contains no SVHC materials	2B030.0166
10-32	2A-UNF	0.093	3/4	3/32	0.125	3.2	9.0	-22	482	0.063	RoHS-compliant	contains no SVHC materials	2B030.0170
1/4-20	2A-UNC	0.119	1	1/8	0.188	3.1	10.1	-22	482	0.131	RoHS-compliant	contains no SVHC materials	2B030.0172
1/4-28	2A-UNF	0.119	1	1/8	0.188	3.1	10.1	-22	482	0.145	RoHS-compliant	contains no SVHC materials	2B030.0174
5/16-18	2A-UNC	0.135	1	5/32	0.188	3.0	15.0	-22	482	0.212	RoHS-compliant	contains no SVHC materials	2B030.0176
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	5.5	12.7	-22	482	0.339	RoHS-compliant	contains no SVHC materials	2B030.0178
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	6.6	16.0	-22	482	0.653	RoHS-compliant	contains no SVHC materials	2B030.0180
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	10.5	22.2	-22	482	1.252	RoHS-compliant	contains no SVHC materials	2B030.0182
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	6.7	33.0	-22	482	2.198	RoHS-compliant	contains no SVHC materials	2B030.0183
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	16.0	60.0	-22	482	5.524	RoHS-compliant	contains no SVHC materials	2B030.0184

¹⁾ statistical average value

Dimensions				WS [inch]	Stroke s [inch]	Spring load ¹⁾		Temperature		Weight [oz]	RoHS	REACH	Art. No.
d ₁	Thread	d ₂	l			F ₁ ~	F ₂ ~	min.	max.				
[inch]				[inch]	[inch]	[lb]	[lb]	[°F]	[°F]	[oz]			
stainless steel, heavy spring load, With thread lock													
6-32	2A-UNC	0.046	17/32	1/16	0.063	1.5	3.4	-22	194	0.025	RoHS-compliant	contains no SVHC materials	2B030.0363
8-32	2A-UNC	0.070	5/8	5/64	0.094	2.6	6.6	-22	194	0.042	RoHS-compliant	contains no SVHC materials	2B030.0366
10-32	2A-UNF	0.093	3/4	3/32	0.125	3.2	9.0	-22	194	0.063	RoHS-compliant	contains no SVHC materials	2B030.0370
1/4-20	2A-UNC	0.119	1	1/8	0.188	3.1	10.1	-22	194	0.131	RoHS-compliant	contains no SVHC materials	2B030.0372
1/4-28	2A-UNF	0.119	1	1/8	0.188	3.1	10.1	-22	194	0.145	RoHS-compliant	contains no SVHC materials	2B030.0374
5/16-18	2A-UNC	0.135	1	5/32	0.188	3.0	15.0	-22	194	0.212	RoHS-compliant	contains no SVHC materials	2B030.0376
3/8-16	2A-UNC	0.186	1 1/8	3/16	0.188	5.5	12.7	-22	194	0.339	RoHS-compliant	contains no SVHC materials	2B030.0378
1/2-13	2A-UNC	0.248	1 1/4	1/4	0.250	6.6	16.0	-22	194	0.653	RoHS-compliant	contains no SVHC materials	2B030.0380
5/8-11	2A-UNC	0.310	1 1/2	5/16	0.313	10.5	22.2	-22	194	1.252	RoHS-compliant	contains no SVHC materials	2B030.0382
3/4-10	2A-UNC	0.374	1 3/4	3/8	0.313	6.7	33.0	-22	194	2.198	RoHS-compliant	contains no SVHC materials	2B030.0383
1-8	2A-UNC	0.499	2 13/32	3/8	0.500	16.0	60.0	-22	194	5.524	RoHS-compliant	contains no SVHC materials	2B030.0384

¹⁾ statistical average value

Application example

