



**SS** Stainless Steel

**2 Type**

- K** Steel, standard spring load
- KS** Steel, high spring load
- KN** Stainless steel, standard spring load
- KSN** Stainless steel, high spring load

**3 Identification**

- A** Without locking element
- N** With locking element

**Inch table**



Dimensions in: inches - millimeters

d <sub>1</sub> Thread	d <sub>2</sub>	Length l	w Compression	Spring load ≈ (Type K / KN)		Spring load ≈ (Type KS / KSN)	
				Initial	End	Initial	End
8 x 32*	0.070 1.8	0.437 11.1	0.052 1.3	0.50 lbf 2.22 N	1.50 lbf 6.67 N	1.50 lbf 6.67 N	4.75 lbf 21.12 N
8 x 36*	0.070 1.8	0.437 11.1	0.052 1.3	0.50 lbf 2.22 N	1.50 lbf 6.67 N	1.50 lbf 6.67 N	4.75 lbf 21.12 N
10 x 32*	0.093 2.4	0.468 11.9	0.065 1.7	0.75 lbf 3.33 N	2.50 lbf 11.12 N	1.75 lbf 7.78 N	6.25 lbf 27.80 N
1/4 x 20	0.119 3.0	0.531 13.5	0.078 2.0	1.00 lbf 4.44 N	3.50 lbf 15.56 N	3.00 lbf 13.34 N	10.50 lbf 46.70 N
5/16 x 18	0.135 3.4	0.562 14.3	0.084 2.1	1.25 lbf 5.56 N	4.00 lbf 17.79 N	3.75 lbf 16.68 N	15.50 lbf 68.94 N
3/8 x 16	0.186 4.7	0.625 15.9	0.110 2.8	1.50 lbf 6.67 N	5.00 lbf 22.24 N	4.50 lbf 20.01 N	18.50 lbf 82.29 N
1/2 x 13	0.248 6.3	0.750 19.1	0.151 3.8	1.75 lbf 7.78 N	5.50 lbf 24.46 N	5.00 lbf 22.24 N	28.00 lbf 124.55 N
5/8 x 11	0.310 7.9	1.062 27.0	0.215 5.5	2.00 lbf 8.89 N	8.50 lbf 37.80 N	7.00 lbf 31.13 N	50.00 lbf 222.41 N

\* These sizes come with a nylon patch instead of a nylon locking element

**Specification**

- SPDN (Type K / KS)
  - Housing  
Steel, case-hardened
  - Nose pin  
Delrin® plastic
  - Spring  
Steel
- SPSDN (Type KN / KSN)
  - Housing / spring  
Stainless steel AISI 303
  - Nose pin  
Delrin® plastic
- *Stainless Steel Characteristics* → page 2143

• RoHS compliant

**Information**

SPDN and SPSDN spring plungers are used for designs where space is limited, but where appreciable plunger travel and high end pressures are required. Permits use where mating surfaces must be parallel to each other.

The locking element is supplied as either a patch or pellet and is not recommended for use in aluminum applications.

see also...

- *Spring Plungers SPNL / SPSNL (with Steel / Stainless Steel Nose Pin)* → page 1039

How to order (Steel)	1 Thread d <sub>1</sub>
<b>SPDN-5/16X18-K-A</b>	2 Type
	3 Identification

How to order (Stainless steel)	1 Thread d <sub>1</sub>
<b>SPSDN-5/8X11-KSN-N</b>	2 Type
	3 Identification