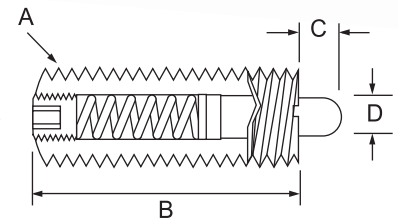


# Plungers

## Round - Nose Spring Plungers

The round cylindrical nose of these plungers allows long travel plus the large bearing surface provides a smooth ride inside the plunger body. A single plunger can serve as an indexing stop on a rotary switch or as a latch on a cabinet door; a number of plungers can hold a door onto a cabinet. They are also used for proper positioning in fixtures and to eject parts from a punch press or forging die. A slot in the body allows installation with a plunger wrench the short length plungers have a slot in the rear so they can also be installed with a screwdriver. Choose from standard and short length plungers. Also known as stubby, Short length (Stubby length) plungers combine the short body of a ball-nose spring plunger with the longer nose of a round-nose spring plunger.

They can be used in thinner materials and tight spaces while still providing ample plunger travel and high end forces. Body materials - Choose from steel and stainless steel. Standard length steel plungers have a black-oxide finish unless noted. Short length steel plungers are zinc plated with a clear chromate finish unless noted. Color is silver stainless steel plungers are made of corrosion-resistance 300 series stainless steel so they're a good choice for food processing applications. Nose materials - Choose from heat-treated steel 300 series stainless steel, Delrin. Delrin won't mar softer materials such as aluminum and brass. It is also a good insulator and resists heat. Maximum temperature of steel and stainless steel nose plungers is 121 °C. Maximum temperature for delrin is 87 °C unless noted.



### Inch Sizes

Steel Body				Stainless Steel Type 300 Body						Thread Size (A)	Body Lg. (B)	Nose Lg. (C)	Nose Dia. (D)	End Force, lbs.	
Steel Nose		Delrin Nose		Stainless Steel Nose		Delrin Nose		Stainless Steel Nose Type 316						Initial	Final
Number	Price \$	Number	Price \$	Number	Price \$	Number	Price \$	Number	Price \$						
3P12 6027	—	—	—	8P97 5037	—	—	—	8P68 8011	—	6-32	0.375"	0.063"	0.045"	1	1.6
3P26 0757	—	8P91 9048	—	—	—	—	—	8P68 8012	—	6-32	0.375"	0.063"	0.046"	0.5	3.5
3P26 0179	—	8P91 9046	—	8P97 5036	—	—	—	8P68 8013	—	6-32	0.531"	0.063"	0.045"	0.5	1.5
3P26 0379	—	8P91 9047	—	8P97 5039	—	—	—	8P68 8014	—	6-32	0.531"	0.063"	0.045"	1.5	4.5
3P26 0479	—	8P91 9011	—	8P97 5042	—	8P76 5071	—	8P68 8015	—	8-32	0.625"	0.094"	0.07"	0.7	2.3
3P26 0579	—	8P91 9012	—	8P97 5044	—	8P76 5061	—	8P68 8016	—	8-32	0.625"	0.094"	0.07"	2.7	7.3
3P26 0679	—	8P91 9013	—	8P97 5046	—	8P76 5072	—	8P68 8017	—	10-32	0.75"	0.125"	0.092"	1.3	2.7
3P26 0779	—	8P91 9014	—	8P97 5048	—	8P76 5062	—	8P68 8018	—	10-32	0.75"	0.125"	0.092"	2.9	11.1
3P26 0979	—	8P91 9015	—	8P97 5051	—	8P76 5073	—	8P68 8022	—	1/4"-20	1"	0.188"	0.118"	1	4
3P26 0267	—	8P91 9016	—	8P97 5055	—	8P76 5063	—	8P68 8023	—	1/4"-20	1"	0.188"	0.118"	3	13
3P26 0277	—	8P91 9017	—	8P97 5057	—	8P76 5074	—	—	—	1/4"-28	1"	0.188"	0.118"	1	4

### Short Length (Stubby Length)

Steel Body				Stainless Steel Type 300 Body						Thread Size (A)	Body Lg. (B)	Nose Lg. (C)	Nose Dia. (D)	End Force, lbs.	
Steel Nose		Delrin Nose		Stainless Steel Nose		Delrin Nose		Stainless Steel Nose Type 316						Initial	Final
Number	Price \$	Number	Price \$	Number	Price \$	Number	Price \$	Number	Price \$						
3P12 6077	—	8P49 9329	—	8P49 8543	—	8P47 6514	—	8P68 8031	—	8-32	0.437"	0.052"	0.07"	1.5	4.75
3P12 6021	—	8P49 9381	—	8P49 8511	—	8P47 6531	—	—	—	8-32	0.437"	0.093"	0.07"	1	3.25
3P12 6081	—	8P49 9331	—	8P49 8545	—	8P47 6517	—	—	—	8-36	0.437"	0.052"	0.07"	0.5	1.5
3P12 6082	—	8P49 9332	—	8P49 8547	—	8P47 6581	—	—	—	8-36	0.437"	0.052"	0.07"	1.5	4.75
3P12 6022	—	8P49 9382	—	8P49 8512	—	8P47 6532	—	—	—	8-36	0.437"	0.093"	0.07"	1	3.25
3P12 6083	—	8P49 9333	—	8P49 8549	—	8P47 6584	—	—	—	10-32	0.468"	0.065"	0.093"	0.75	2.5
3P12 6084	—	8P49 9334	—	8P49 8552	—	8P47 6587	—	—	—	10-32	0.468"	0.065"	0.093"	1.75	6.25
3P12 6023	—	8P49 9383	—	8P49 8513	—	8P47 6533	—	—	—	10-32	0.469"	0.125"	0.093"	1.25	4.25
3P12 6085	—	8P49 9335	—	8P49 8554	—	8P47 6591	—	—	—	1/4" -20	0.531"	0.078"	0.119"	1	3.5

### Metric Sizes

Steel Body Delrin Nose		Stainless Steel Delrin Nose		End Force, lbs.		Thread Size (A)	Body Lg. (B)	Nose Lg. (C)	Nose Dia. (D)
Number	Price \$	Number	Price \$	Initial	Final				
8P28 1212	—	8P33 9212	—	1	3.6	M4x0.7	15mm	1.5mm	1.5mm
8P28 1213	—	8P33 9213	—	1.3	4.3	M5x0.8	18mm	2.3mm	2.4mm
8P28 1214	—	8P33 9214	—	1.3	4.3	M6x1	20mm	2.5mm	2.7mm
8P28 1215	—	8P33 9215	—	2.2	8.7	M8x1.25	22mm	3mm	3.5mm