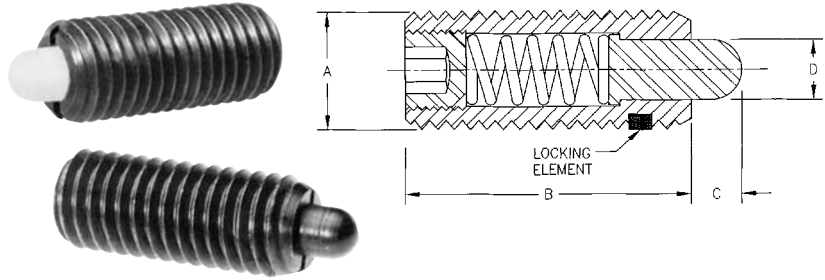


Standard Spring Plungers

- Steel Body Plungers:
 - 12L14 Steel Body, Black
 - Light End Force: Zinc Plated
 - Heavy End Force: Black Oxide Finish
- Stainless Steel Body Plungers:
 - 303 Stainless Steel Body
- Excellent wear resistance



Carbon & Stainless Steel Nose

LIGHT END FORCE				HEAVY END FORCE				Thread A	B	C	+.000 -.001 D	Weight (lbs/100pcs)
Steel Part No.	Stainless Steel Part No.	End Force (lbs)		Steel Part No.	Stainless Steel Part No.	End Force (lbs)						
		Initial	Final			Initial	Final					
–	–			52002	53202	1.00	1.60	6-32	3/8	.062	.046	.10
52201	53301	.50	1.50	52001	53201	1.50	4.50	6-32	17/32	.062	.046	.10
52202	53302	.70	2.30	52003	53203	1.00	1.60	8-32	5/8	.093	.070	.22
52203	53303	1.30	2.70	52004	53204	2.70	7.30	10-32	3/4	.125	.093	.37
52217	53308	.25	2.00	52007	53207	2.90	11.10	1/4-20	3/4	.125	.119	.65
52204	53305	1.00	4.00	52005	53205	3.00	13.00	1/4-20	1	.187	.119	.75
52205	53306	1.00	4.00	52006	53206	3.00	13.00	1/4-28	1	.187	.119	.75
52206	53304	1.50	4.50	52008	53208	2.00	9.00	5/16-18	1	.187	.135	1.40
52207	53307	2.80	7.20	52009	53209	3.00	15.00	3/8-16	1-1/8	.187	.186	2.00
52208	53309	2.70	9.30	52010	53210	5.50	14.50	1/2-13	1-1/4	.250	.248	4.50
52209	53310	3.50	10.50	52011	53211	6.60	17.40	5/8-11	1-1/2	.312	.310	8.00
52210	53311	4.00	16.00	52012	53212	6.70	37.30	3/4-10	1-3/4	.312	.374	14.00
52211	53312	4.00	31.00	52013	53213	16.00	68.00	1-8	2-13/32	.500	.499	32.00

- Nose – Light End Force: Case Hardened 12L14 Steel, Zinc Plated
- Nose – Heavy End Force: Case Hardened 12L14 Steel, Black Oxide Finish

Delrin® Nose

LIGHT END FORCE: WHITE NOSE				HEAVY END FORCE: BLACK NOSE				Thread A	B	C	+.000 -.002 D	Weight (lbs/100pcs)
Steel Part No.	Stainless Steel Part No.	End Force (lbs)		Steel Part No.	Stainless Steel Part No.	End Force (lbs)						
		Initial	Final			Initial	Final					
52301	53313	.70	2.30	52101	53220	2.70	7.30	8-32	5/8	.093	.070	.20
52302	53314	1.30	2.70	52102	53221	2.90	11.10	10-32	3/4	.125	.093	.33
52309	53321	.25	2.00	52109	53228	3.00	13.00	1/4-20	3/4	.125	.119	.65
52303	53315	1.00	4.00	52103	53222	3.00	13.00	1/4-20	1	.187	.119	.70
52308	53320	1.00	4.00	52108	53227	3.00	13.00	1/4-28	1	.187	.119	.70
52304	53316	1.50	4.50	52104	53223	3.00	15.00	5/16-18	1	.187	.135	1.20
52305	53317	2.80	7.20	52105	53224	5.50	14.50	3/8-16	1-1/8	.187	.186	1.80
52306	53318	2.70	9.30	52106	53225	6.60	17.40	1/2-13	1-1/4	.250	.248	3.80
52307	53319	3.50	10.50	52107	53226	10.60	25.50	5/8-11	1-1/2	.312	.310	7.00

- Nose – Light End Force: White Delrin
- Nose – Heavy End Force: Black Delrin

Phenolic Nose

LIGHT END FORCE			HEAVY END FORCE			Thread A	B	C	+.000 -.002 D	Weight (lbs/100pcs)
Steel Part No.	End Force (lbs)		Steel Part No.	End Force (lbs)						
	Initial	Final		Initial	Final					
57409	0.70	2.30	57401	2.70	7.30	8-32	5/8	.093	.070	.20
57410	1.30	2.70	57402	2.90	11.10	10-32	3/4	.125	.092	.33
57411	1.00	4.00	57403	3.00	13.00	1/4-20	1	.187	.118	.70
57412	1.00	4.00	57404	3.00	13.00	1/4-28	1	.187	.118	.70
57413	1.50	4.50	57405	3.00	15.00	5/16-18	1	.187	.135	1.20
57414	2.80	7.20	57406	5.50	14.50	3/8-16	1-1/8	.187	.187	1.80
57415	2.70	9.30	57407	6.60	17.40	1/2-13	1-1/4	.250	.248	3.80
57416	3.50	10.50	57408	10.50	25.50	5/8-11	1-1/2	.312	.310	7.00

- Nose – Brown Phenolic
- Ideal for aluminum, brass, or any soft easily marred material
- High tensile strength

Special sizes quoted upon request – see quotation form on page 115.
For information concerning installation, see page 125.

NYLON THREAD LOCKING ELEMENT IS STANDARD ON ALL SIZES

To order ball plungers without a locking element, simply add an "X" to the end of the part number (ex. 52821X). Pricing is the same with or without locking element.

GENERAL INFORMATION

- Metric sizes available, see page 97
- Many sizes conform to TCMAI standards
- Typical uses: positioning, locating, ejecting, detents, contacts, lifters, insulators, and latches
- Easy installation