



VLIER

Stubby Spring Plungers

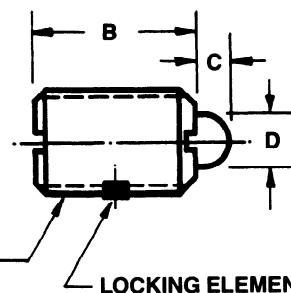
Vlier's "Stubby" spring plungers offer the advantages of a ball plunger's short body with the long nose of a spring plunger. These compact units provide considerable plunger travel and high end forces in applications where space is restricted — their bodies are only half the length of spring plungers, yet plunger travel is twice that of a ball plunger.

Case hardened nose — Offers excellent wear resistance; however, core is ductile to reduce possibility of fracturing under impact. Steel version only.

Available with steel, stainless steel or Delrin noses. Steel bodies have a black oxide finish.

Nose telescopes completely — Permits use where mating surfaces must be flush.

Quickly installs from either end — Only tool required is a Vlier wrench.



HEAVY END FORCES

PART NUMBER			END FORCE, LBS.		A	B	C	D	USE WRENCH
STEEL BODY STEEL NOSE	STEEL BODY DELTRIN NOSE	STAINLESS BODY STAINLESS STEEL NOSE	INIT.	FINAL					
M-50A	NM-50A	SSM-50A	1.5	4.75	8-32	.437	.052	.070	VW-50
M-50	NM-50	SSM-50	1.5	4.75	8-36	.437	.052	.070	VW-50
M-52	NM-52	SSM-52	1.75	6.25	10-32	.468	.065	.093	VW-52
M-54	NM-54	SSM-54	3.0	10.5	1/4-20	.531	.078	.119	VW-54
M-56	NM-56	SSM-56	3.75	15.5	5/16-18	.562	.084	.135	VW-56
M-58	NM-58	SSM-58	4.5	18.5	3/8-16	.625	.110	.186	VW-58
M-60	NM-60	SSM-60	5.0	28.0	1/2-13	.750	.151	.248	VW-60
M-62	NM-62	SSM-62	7.0	50.0	5/8-11	1.062	.215	.310	VW-62

When ordering with locking element, add "N" at the end of the part number for sizes 1/4-20 and larger; under 1/4-20, add "P" at end of part number. (See nylon locking torque information)

LIGHT END FORCES

PART NUMBER			END FORCE, LBS.		A	B	C	D	USE WRENCH
STEEL BODY STEEL NOSE	STEEL BODY DELTRIN NOSE	STAINLESS BODY STAINLESS STEEL NOSE	INIT.	FINAL					
M-51A	NM-51A	SSM-51A	0.5	1.5	8-32	.437	.052	.070	VW-50
M-51	NM-51	SSM-51	0.5	1.5	8-36	.437	.052	.070	VW-50
M-53	NM-53	SSM-53	0.75	2.5	10-32	.468	.065	.093	VW-52
M-55	NM-55	SSM-55	1.0	3.5	1/4-20	.531	.078	.119	VW-54
M-57	NM-57	SSM-57	1.25	4.0	5/16-18	.562	.084	.135	VW-56
M-59	NM-59	SSM-59	1.5	5.0	3/8-16	.625	.110	.186	VW-58
M-61	NM-61	SSM-61	1.75	5.5	1/2-13	.750	.151	.248	VW-60
M-63	NM-63	SSM-63	2.0	8.5	5/8-11	1.062	.215	.310	VW-62

When ordering with locking element, add "N" at the end of the part number for sizes 1/4-20 and larger; under 1/4-20, add "P" at end of part number. (See nylon locking torque information)