

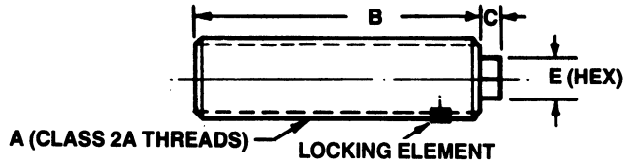


VLIER Spring Plungers



VLIER FLAT-NOSE HI-LIFE® PLUNGERS

These plungers are especially designed to take the tough abuse of high-speed, long life, product applications. Hexagonal-shaped nose is easily accessible for adjustment with a standard end or socket wrench; speeds installation and removal. The long spring life and flat-nose design are ideal for any application requiring exceptionally long life. Bodies are made of steel and have a black oxide finish.

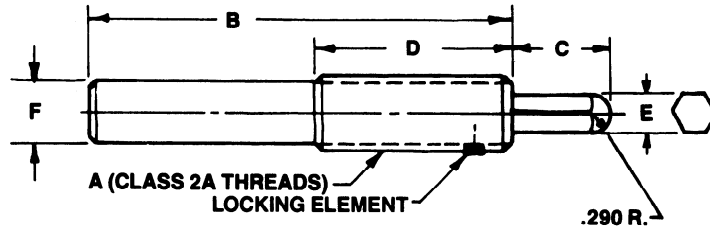


PART NO.	END FORCE, LBS.		A	B	C	E
	INITIAL	FINAL				
HT-54N	0.5	6.1	1/4-20	1.343	.078	1/8"
HT-58N	0.5	8.0	5/16-18	1.406	.088	1/8"
HT-58N	0.5	9.9	3/8-16	1.532	.097	3/16"
HT-60N	0.5	16.0	1/2-13	1.718	.105	1/4"



LONG TRAVEL PLUNGERS

Hexagonal shaped noses provide for easy insertion, adjustment or removal with a standard wrench. Vlier long travel plungers are available in two nose lengths and two force ranges, heavy end forces and light end forces (Silver-nose). Hex nose plungers are case hardened. Bodies and heavy end force noses have a black oxide finish. Silvernose noses are zinc plated. Nylok is standard on long travel plungers.



HEAVY END FORCES

PART NO.	END FORCE, LBS.		A	B	C	D	E	F
	INITIAL	FINAL						
HH-1000	16.0	50.75	1-8	5"	1"	2"	1/2"	.844
HH-1015	16.0	68.0	1-8	5"	1-1/2"	2"	1/2"	.844
HH-6251	4.0	20.0	5/8-11	3.12"	1.0"	1.25"	.31"	.510
HH-7501	4.0	35.0	3/4-10	3.75"	1.0"	1.5"	.38"	.623

LIGHT END FORCES

PART NO.	END FORCE, LBS.		A	B	C	D	E	F
	INITIAL	FINAL						
HL-1000	4	22	1-8	5"	1"	2"	1/2"	.844
HL-1015	4	31	1-8	5"	1-1/2"	2"	1/2"	.844

Design Tips

NYLON LOCKING ELEMENT

All Vlier standard, ball, stubby and spring plungers are available with nylon locking elements at no extra cost. Nylon-fitted bodies are self-locking, and eliminate the need for check-nuts or other locking devices. As the plunger is inserted into the tapped hole, the nylon is compressed (not cut) and exerts friction to prevent slipping. **In aluminum applications, Vlier recommends that you do not use a nylon locking element.**

How to obtain best locking torque with nylon: It is **strongly recommended** that the mating thread be countersunk 90° or 100° by 1/32" larger than the major thread diameter to prevent cutting the nylon. Nylon pellet and patch have identical torque characteristics.



VLIER WRENCH

The Vlier wrench provides fast installation of Vlier ball and spring plungers and prevents spring damage that can result when a screwdriver is used on the ball or plunger end. See spring and ball plunger specification charts for the correct size of Vlier wrench to be used.

