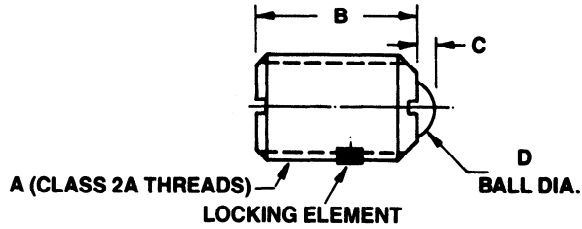
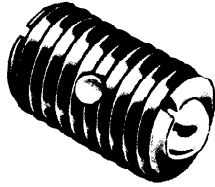




VLIER

Ball Plungers



**STEEL BODY
STAINLESS STEEL BALL**

Vlier ball plungers are compact units for use where side loads are a problem, such as in indexing automatic feed devices, gear shifters, locators in progressive dies, torque-limiting clutches, positioning levers—wherever you need controlled end forces. Standard balls are made of type 440C stainless steel. Balls of K-Monel, aluminum, etc., can also be furnished as specials. Bodies are color coded to indicate end forces: zinc plated=light force; black=standard force; gold=heavy force.

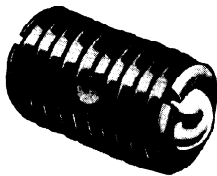
QUICKLY INSTALLS FROM EITHER END—Only tool required is a Vlier wrench.

STEEL BALL PLUNGERS

PART NO.	COLOR CODE	END FORCE, LBS.		A	B	C	D	USE WRENCH
		INIT.	FINAL					
B-52	Black	1.5	3	10-32	.513	.025	.0937	VW-52
BL-52	Cad.	0.5	1.5					
BH-52	Gold	2	5					
B-54	Black	3	7	1/4-20	.531	.035	.125	VW-54
BL-54	Cad.	2	4					
BH-54	Gold	4	12					
B-56	Black	4	9	5/16-18	.578	.040	.156	VW-56
BL-56	Cad.	2	4.5					
BH-56	Gold	6	17					
B-58	Black	5	10	3/8-16	.625	.048	.1875	VW-58
BL-58	Cad.	2.5	5					
BH-58	Gold	6	21					
B-60	Black	6	12	1/2-13	.750	.072	.2813	VW-60
BL-60	Cad.	3	6					
BH-60	Gold	6	30					
B-62	Black	9	18	5/8-11	.984	.096	.3750	VW-62
BL-62	Cad.	4.5	9					
BH-62	Gold	7	50					

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)

STAINLESS STEEL BALL PLUNGERS



**STAINLESS STEEL BODY
STAINLESS STEEL BALL**

All parts are made of stainless steel for maximum protection against rust and corrosion. Body is 300 series, spring is 17-7 PH (except SSB-46 is 302), and ball is 440C stainless steel. Body end is color-coded to indicate end forces; clear=light force; black=standard force; orange=heavy force.

PART NO.	COLOR CODE	END FORCE, LBS.		A	B	C	D	USE WRENCH
		INIT.	FINAL					
SSB-46	Plain	0.13	0.5	4-48	.187	.020	.062	VW-48
SSB-47	Plain	0.25	0.75	5-40	.250	.020	.062	
SSB-48	Plain	0.25	1	6-40	.312	.023	.078	
SSB-50A	Plain	0.25	1.25	8-32	.344	.025	.0937	VW-50
SSB-50	Plain	0.25	1.25	8-36	.344	.025	.0937	
SSB-52	Black	1.5	3	10-32	.513	.025	.0937	VW-52
SSBL-52	Plain	.05	1.5					
SSBH-52	Orange	2	5					
SSB-54	Black	3	7	1/4-20	.531	.035	.125	VW-54
SSBL-54	Plain	2	4					
SSBH-54	Orange	4	12					
SSB-56	Black	4	9	5/16-18	.578	.040	.156	VW-56
SSBL-56	Plain	2	4.5					
SSBH-56	Orange	6	17					
SSB-58	Black	5	10	3/8-16	.625	.048	.1875	VW-58
SSBL-58	Plain	2.5	5					
SSBH-58	Orange	6	21					
SSB-60	Black	6	12	1/2-13	.750	.072	.2813	VW-60
SSBL-60	Plain	3	6					
SSBH-60	Orange	6	30					
SSB-62	Black	9	18	5/8-11	.984	.096	.3750	VW-62
SSBL-62	Plain	4.5	9					
SSBH-62	Orange	7	50					

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)