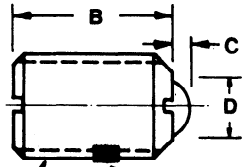
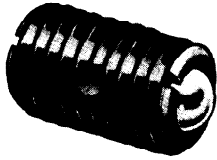




VLIER

Nylon Ball Plungers



A (CLASS 2A THREAD) LOCKING ELEMENT

NYLON BALL STAINLESS STEEL BODY

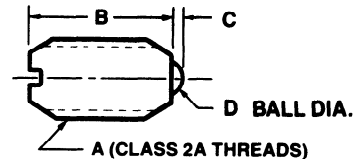
These Vlier Nylon Ball Plungers are designed for use with materials which are easily marred, such as brass and aluminum. Body is of stainless steel to prevent rust and assure long life. They have many applications for use as a detent. Especially valuable where side loads are a problem and controlled end forces are necessary.

PART NO.	COLOR CODE	END FORCE, LBS.		A	B	C	D	USE WRENCH
		INIT.	FINAL					
DSSB-46	Plain	0.13	0.5	4-48	.187	.020	.062	VW-48
DSSB-47	Plain	0.25	0.75	5-40	.250	.020	.062	
DSSB-48	Plain	0.5	1	6-40	.312	.023	.078	
DSSB-50	Plain	0.5	1.25	8-36	.344	.025	.0937	VW-50
DSSB-52	Black	1.5	3	10-32	.513	.025	.0937	VW-52
DSSBL-52	Plain	.05	1.5					
DSSBH-52	Orange	2	5					
DSSB-54	Black	3	7	1/4-20	.531	.035	.125	VW-54
DSSBL-54	Plain	2	4					
DSSBH-54	Orange	4	12					
DSSB-56	Black	4	9	5/16-18	.578	.040	.156	VW-56
DSSBL-56	Plain	2	4.5					
DSSBH-56	Orange	6	17					
DSSB-58	Black	5	10	3/8-16	.625	.048	.1978	VW-58
DSSBL-58	Plain	2.5	5					
DSSBH-58	Orange	6	21					
DSSB-60	Black	6	12	1/2-13	.750	.072	.2813	VW-60
DSSBL-60	Plain	3	6					
DSSBH-60	Orange	6	30					
DSSB-62	Black	9	18	5/8-11	.984	.096	.3750	VW-62
DSSBL-62	Plain	4.5	9					
DSSBH-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)

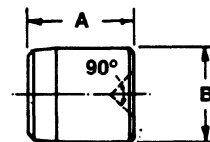
DELTRIN BODY BALL PLUNGERS

Now there's a Vlier Plunger available in Delrin plastic. Applications include use in items made entirely or mostly plastic or when situation requires as few metal parts as possible. Excellent when electrical isolation is necessary. Highly durable Delrin body and stainless steel spring allow use in corrosive environments. Available in three thread sizes and offers a choice of Nylon or stainless steel ball. End forces are indicated by color coded bodies.



PART NO.		COLOR CODE	END FORCE, LBS.		A	B	C	D
STAINLESS BALL	NYLON BALL		INIT.	FINAL				
D54	ND54	White	2	5	1/4-20	.531	.027	.125
DL54	NDL54	Blue	1	2.5				
D56	ND56	White	4	9	5/16-18	.578	.039	.156
DL56	NDL56	Blue	2	4.5				
D58	NDL58	White	5	10	3/8-16	.625	.053	.187
DL58	NDL58	Blue	2.5	5.0				

Ball Buttons



BALL BUTTONS

Simply press a Vlier ball button into a reamed hole, and you have the perfect mating detent for Vlier ball plungers. Vlier ball buttons prevent part damage and provide a hardened striker plate to take the wear and tear of side loads. End is chamfered to make insertion easy.

PRECISION-MADE—Diameter is held to +.0002, -.0000. Material is 440C stainless steel, hardened and ground. Available in eight sizes to accommodate all models of Vlier ball plungers.

PART NO.	FOR BALL PLUNGER	A	B + .0002 - .0000
BB-46	B-46, B-47	1/8"	.1075
BB-48	B-48	1/8"	.1175
BB-50	B-50, B-52, BL-52, BH-52	3/16"	.1614
BB-54	B-54, BL-54, BH-54	1/4"	.2034
BB-56	B-56, BL-56, BH-56	5/16"	.2659
BB-58	B-58, BL-58, BL-58	3/8"	.3284
BB-60	B-60, BL-60, BH-60	1/2"	.4378
BB-62	B-62, BL-62, BH-62	5/8"	.5472