



VLIER
OVER 75 YEARS OF INNOVATION

Insist on Vlier

Vast Product Selection. Versatile Applications.
Superior Value and Performance.



Setting the Highest Standards for Spring Loaded Devices & Making the Impossible Possible



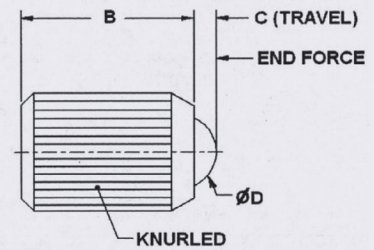
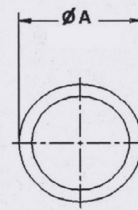
The Vlier name has been synonymous with quality, value, service and selection for more than 75 years starting with our signature product: the Vlier Pin. Now, Vlier has once again taken that proven and trusted product innovation and created Knurled Ball Plungers and Press-Fit Plungers. This design provides quick installation without the use of threads, locking elements or bonding agents for a secure fit. What's more—the beauty of the design is in its simplicity and function, giving designers and engineers more options than ever before.

Special Features:

- ▶ Simple, efficient installation
- ▶ No thread adjustment
- ▶ Stainless Steel option resists corrosion
- ▶ Stainless Steel for higher temperature applications
- ▶ Nylon Ball and Delrin Plunger available
- ▶ Standard and Light Spring Force options

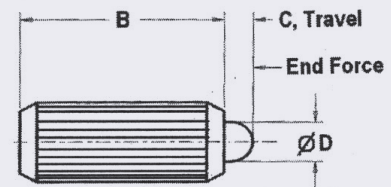
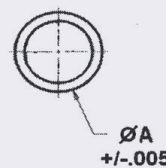
**Call your Authorized Vlier distributor or contact us
at 1.800.821.1090 or at vlier@vlier.com.**

Shoulderless Knurled Press-Fit Ball Plunger



	Steel	Stainless Steel	Hole Size Diameter	End Forces, LBS.		Knurl Ø, A	Body Length, B	Proj, C	Plunger Dia, D
	PART NUMBERS			Initial	Final	in	in	in	in
Standard End Force	PFBK48	SPFBK48	Ø.141" (9/64)	0.75	2.5	0.148	0.290	0.035	0.094
	PFBK52	SPFBK52	Ø.203" (13/64)	2.0	5.0	0.210	0.435	0.058	0.156
	PFBK54	SPFBK54	Ø.250" (1/4)	3.0	7.0	0.254	0.520	0.070	0.188
	PFBK56	SPFBK56	Ø.312" (5/16)	4.0	10.0	0.316	0.700	0.090	0.250
	PFBK58	SPFBK58	Ø.375" (3/8)	5.0	14.0	0.379	0.865	0.110	0.312
	PFBK60	SPFBK60	Ø.500" (1/2)	8.0	18.0	0.504	1.210	0.161	0.437
	WITH NYLON BALL								
	DPFBK48	DSPFBK48	Ø.141" (9/64)	0.75	2.5	0.148	0.290	0.035	0.094
	DPFBK52	DSPFBK52	Ø.203" (13/64)	2.0	5.0	0.210	0.435	0.058	0.156
	DPFBK54	DSPFBK54	Ø.250" (1/4)	3.0	7.0	0.254	0.520	0.070	0.188
	DPFBK56	DSPFBK56	Ø.312" (5/16)	4.0	10.0	0.316	0.700	0.090	0.250
	DPFBK58	DSPFBK58	Ø.375" (3/8)	5.0	14.0	0.379	0.865	0.110	0.312
	DPFBK60	DSPFBK60	Ø.500" (1/2)	8.0	18.0	0.504	1.210	0.161	0.437
	WITH NYLON BALL								
Light End Force	PFBK47	SPFBK47	Ø.141" (9/64)	0.4	1.3	0.148	0.290	0.035	0.094
	PFBK51	SPFBK51	Ø.203" (13/64)	1.0	2.5	0.210	0.435	0.058	0.156
	PFBK53	SPFBK53	Ø.250" (1/4)	1.5	3.5	0.254	0.520	0.070	0.188
	PFBK55	SPFBK55	Ø.312" (5/16)	2.0	5.0	0.316	0.700	0.090	0.250
	PFBK57	SPFBK57	Ø.375" (3/8)	2.5	7.0	0.379	0.865	0.110	0.312
	PFBK59	SPFBK59	Ø.500" (1/2)	4.0	9.0	0.504	1.210	0.161	0.437
	WITH NYLON BALL								
	DPFBK47	DSPFBK47	Ø.141" (9/64)	0.4	1.3	0.148	0.290	0.035	0.094
	DPFBK51	DSPFBK51	Ø.203" (13/64)	1.0	2.5	0.210	0.435	0.058	0.156
	DPFBK53	DSPFBK53	Ø.250" (1/4)	1.5	3.5	0.254	0.520	0.070	0.188
	DPFBK55	DSPFBK55	Ø.312" (5/16)	2.0	5.0	0.316	0.700	0.090	0.250
	DPFBK57	DSPFBK57	Ø.375" (3/8)	2.5	7.0	0.379	0.865	0.110	0.312
	DPFBK59	DSPFBK59	Ø.500" (1/2)	4.0	9.0	0.504	1.210	0.161	0.437
	WITH NYLON BALL								

Shoulderless Knurled Press-Fit Plunger



	Steel	Stainless Steel	Hole Size Diameter	End Forces, LBS.		Knurl Ø, A	Body Length, B	Proj, C	Plunger Dia, D
	PART NUMBERS			Initial	Final	in	in	in	in
	PFPK52	SPFPK52	Ø.203" (13/64)	1.5	4.5	0.210	0.50	0.094	0.121
	PFPK54	SPFPK54	Ø.250" (1/4)	2.5	6.0	0.254	0.58	0.125	0.168
	PFPK58	SPFPK58	Ø.375" (3/8)	5.0	14.0	0.379	0.90	0.187	0.234
	PFPK60	SPFPK60	Ø.500" (1/2)	8.0	18.0	0.504	1.25	0.250	0.332
	WITH DELRIN NOSE								
	DPFPK52	DSPFPK52	Ø.203" (13/64)	1.5	4.5	0.210	0.50	0.094	0.121
	DPFPK54	DSPFPK54	Ø.250" (1/4)	2.5	6.0	0.254	0.58	0.125	0.168
	DPFPK58	DSPFPK58	Ø.375" (3/8)	5.0	14.0	0.379	0.90	0.187	0.234
	DPFPK60	DSPFPK60	Ø.500" (1/2)	8.0	18.0	0.504	1.25	0.250	0.332
	WITH DELRIN NOSE								
	PFPK51	SPFPK51	Ø.203" (13/64)	0.75	2.0	0.210	0.50	0.094	0.121
	PFPK53	SPFPK53	Ø.250" (1/4)	1.25	3.0	0.254	0.58	0.125	0.168
	PFPK57	SPFPK57	Ø.375" (3/8)	2.5	7.0	0.379	0.90	0.187	0.234
	PFPK59	SPFPK59	Ø.500" (1/2)	4.0	9.0	0.504	1.25	0.250	0.332
	WITH DELRIN NOSE								
	DPFPK51	DSPFPK51	Ø.203" (13/64)	0.75	2.0	0.210	0.50	0.094	0.121
	DPFPK53	DSPFPK53	Ø.250" (1/4)	1.25	3.0	0.254	0.58	0.125	0.168
	DPFPK57	DSPFPK57	Ø.375" (3/8)	2.5	7.0	0.379	0.90	0.187	0.234
	DPFPK59	DSPFPK59	Ø.500" (1/2)	4.0	9.0	0.504	1.25	0.250	0.332
	WITH DELRIN NOSE								