



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



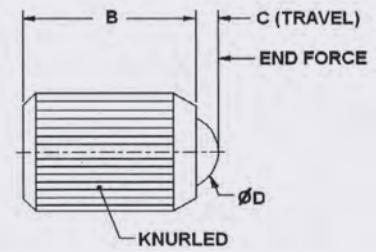
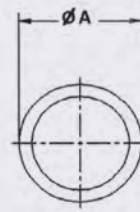
The Vlier name has been synonymous with quality, value, service and selection for more than 75 years starting with our signature product: the Vlier Pin. Now, Vlier has once again taken that proven and trusted product innovation and created Knurled Ball Plungers and Press-Fit Plungers. This design provides 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

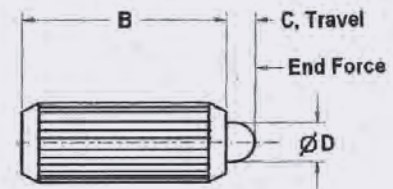
**Call your Authorized Vlier distributor or contact us
at 1.800.821.1090 or at vlier@vlier.com.**

Shoulderless Knurled Press-Fit Ball Plunger



Standard End Force	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	
	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										
DSPFBK48	DSPFBK48	Ø.141" (9/64)	0.75	2.5	0.148	0.290	0.035	0.094		
DSPFBK52	DSPFBK52	Ø.203" (13/64)	2.0	5.0	0.210	0.435	0.058	0.156		
DSPFBK54	DSPFBK54	Ø.250" (1/4)	3.0	7.0	0.254	0.520	0.070	0.188		
DSPFBK56	DSPFBK56	Ø.312" (5/16)	4.0	10.0	0.316	0.700	0.090	0.250		
DSPFBK58	DSPFBK58	Ø.375" (3/8)	5.0	14.0	0.379	0.865	0.110	0.312		
DSPFBK60	DSPFBK60	Ø.500" (1/2)	8.0	18.0	0.504	1.210	0.161	0.437		
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									
	DSPFBK47	DSPFBK47	Ø.141" (9/64)	0.4	1.3	0.148	0.290	0.035	0.094	
	DSPFBK51	DSPFBK51	Ø.203" (13/64)	1.0	2.5	0.210	0.435	0.058	0.156	
	DSPFBK53	DSPFBK53	Ø.250" (1/4)	1.5	3.5	0.254	0.520	0.070	0.188	
	DSPFBK55	DSPFBK55	Ø.312" (5/16)	2.0	5.0	0.316	0.700	0.090	0.250	
	DSPFBK57	DSPFBK57	Ø.375" (3/8)	2.5	7.0	0.379	0.865	0.110	0.312	
	DSPFBK59	DSPFBK59	Ø.500" (1/2)	4.0	9.0	0.504	1.210	0.161	0.437	

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										
DSPFPK52	DSPFPK52	Ø.203" (13/64)	1.5	4.5	0.210	0.50	0.094	0.121		
DSPFPK54	DSPFPK54	Ø.250" (1/4)	2.5	6.0	0.254	0.58	0.125	0.168		
DSPFPK58	DSPFPK58	Ø.375" (3/8)	5.0	14.0	0.379	0.90	0.187	0.234		
DSPFPK60	DSPFPK60	Ø.500" (1/2)	8.0	18.0	0.504	1.25	0.250	0.332		
	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									
	DSPFPK51	DSPFPK51	Ø.203" (13/64)	0.75	2.0	0.210	0.50	0.094	0.121	
	DSPFPK53	DSPFPK53	Ø.250" (1/4)	1.25	3.0	0.254	0.58	0.125	0.168	
	DSPFPK57	DSPFPK57	Ø.375" (3/8)	2.5	7.0	0.379	0.90	0.187	0.234	
	DSPFPK59	DSPFPK59	Ø.500" (1/2)	4.0	9.0	0.504	1.25	0.250	0.332	