PD Series couplings provide easy connection for mechanical gauges or specialized diagnostic equipment like SensoControl®.

Typically, PD or BPD nipples are permanently mounted in the system at threaded test ports, in rigid tubing or in hose assemblies. PD couplers are attached to test instruments.

Couplers align to the mating nipples without threading. This allows gauges, transducers and other test equipment to be snapped into place without difficulty.

Note: Protective dust caps play a crucial role in the life of a quick coupling and no purchase is complete without the selection of an appropriate dust cap.

Features

- Flush-face poppet valves minimize air inclusion and spillage, provide easy-to-clean surfaces, and help to prevent cont-amination.
- Grip-tight knurled sleeves help to make connecting and dis-connecting easy, even while wearing gloves.
- Nipples are machined from high tensile steel for strength to withstand 6000 PSI continuous operating pressure. BPD nipples offer features similar to the standard steel PD nipples with the added feature of a brass body.
- PD nipples are designed to meet or exceed SAE J1502 and ISO 15171-1 design and performance specifications.
- End connections include pipe, O-ring, metric thread, bulkhead, 37° Flare, ORFS and bite-type.

Ordering Information

Coupling / Nipple Material
- Prefix "B" for Brass Body with Fluorocarbon seal
- Prefix "SS" for Stainless Steel Body with Fluorocarbon seal
- Standard body material is Steel with Nitrile seal

Optional Seals Suffix*

No suffix is required when ordering products with the standard Nitrile seals. When specifying an optional seal, refer to the following chart to determine the appropriate suffix.

Coupling Series	Ethylene Propylene	Fluorocarbon	Neoprene
PD Series	W	Y	Z

*To select proper seal materials, see Fluid Compatibility Chart in Appendix section, or contact your Parker Quick Coupling Distributor.

PD Series Dust Cap

Body Size	Dust Cap Part No.
1/8	PD6-285

Specifications - Body Size 1/8"

Description	PD Coupler	PD Nipple	BPD Nipple	Assembly
Part Number	PD242	PD361	BDP343Y	—
Body Material (Steel)	Carbon Steel	High Tensile Steel	Brass	—
Rated Pressure (PSI)	6000	6000	300	6000
Temperature Range (STD Seals) Nitrile	-40°F to +250°F		-15°F to +400°F Fluorocarbon	-40°F to +250°F
Rated Flow (GPM)	—	—	—	0.8
Max. Recommended Flow (GPM)	—	—	—	4.0
Burst Pressure (PSI/Min)	23,000	40,000	—	17,000
Vacuum Data (Inches Hg)	27.5	27.5	27.5	27.5
Pressure Drop at Rated Flow (PSI) with 200 SUS Fluid	—	—	—	56
Spillage at 15 PSI (ml)-Assembly	0.1 per disconnect			
Air Inclusion (ml)-Assembly	0.02 per connect			
Connect Force-Assembly	41 Lbs. (100 PSI)			
Disconnect Force-Assembly	20 Lbs. (100 PSI)			

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Couplers- Female Thread

Body Size	Part Number	Thread Size	Overall Length	Wrench Flats	Largest Diameter	Weight
1/8	PD222	1/8-27 NPTF	1.67	0.81	0.96	0.20
1/8	PD240	7/16-20 UNF	2.12	0.81	0.96	0.26
1/8	PD242	1/4-18 NPTF	2.12	0.81	0.96	0.25
1/8	SSPD242Y**	1/4-18 NPTF	2.12	0.81	0.96	0.25
1/8	PD260	9/16-18 UNF	2.12	0.81	0.96	0.24

Couplers- Male Pipe Thread

Body Size	Part Number	Thread Size	Overall Length	Wrench Flats	Largest Diameter	Weight
1/8	PD243	1/4-18 NPTF	2.26	0.81	0.96	0.23

Nipples- Female Pipe Thread

Body Size	Part Number	Thread Size	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD322	1/8-27 NPTF	1.48	0.78	0.56	0.65	0.06
1/8	PD342	1/4-18 NPTF	1.63	0.93	0.75	0.87	0.12

Nipples- Male Pipe Thread

Body Size	Part Number	Thread Size	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD323	1/8-27 NPTF	1.55	0.85	0.69	0.79	0.17
1/8	BPD323Y*	1/8-27 NPTF	1.44	0.74	0.63	0.72	0.17
1/8	BPD343Y*	1/4-18 NPTF	1.48	0.78	0.69	0.79	0.06
1/8	PD343	1/4-18 NPTF	1.48	0.78	0.69	0.79	0.06
1/8	SSPD343Y**	1/4-18 NPTF	1.48	0.78	0.69	0.79	0.06
1/8	PD363	3/8-18 NPTF	1.50	1.13	0.81	0.96	0.09

* BPD designates brass body, Fluorocarbon seal standard
** SSPD designates 316SS body, Fluorocarbon seal standard

Note: Add -6 to Nipple part number to include dust cap, for example PD343-6

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Nipples- Male Metric Thread

Body Size	Part Number	Thread Size Metric	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD357	M10 x 1.0	1.80	1.10	0.69	0.79	0.17
1/8	PD3107	M16 x 1.5	1.54	0.84	0.88	1.01	0.08
1/8	PD3127	M18 x 1.5	1.60	0.90	0.94	1.08	0.09
1/8	PD3147	M20 x 1.5	1.50	0.80	0.75	0.87	0.07

Nipples- Male Straight Thread

Body Size	Part Number	Thread Size ORB	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD331	3/8-24 UNF	1.80	1.10	0.69	0.79	0.17
1/8	PD341	7/16-20 UNF	1.60	0.90	0.69	0.79	0.08
1/8	PD351	1/2-20 UNF	1.32	0.62	0.63	0.72	0.05
1/8	PD361	9/16-18 UNF	1.32	0.62	0.69	0.79	0.06

Nipples- Bulkhead Triple-Lok

Body Size	Part Number	Thread Size	Tube Size	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD345	7/16-20 UNF	1/4	2.92	2.22	0.81	0.94	0.19
1/8	PD355	1/2-20 UNF	5/16	2.92	2.22	0.81	0.94	0.19
1/8	PD365	9/16-18 UNF	3/8	3.00	2.30	0.81	0.94	0.20

Nipples- Bulkhead Seal-Lok

Body Size	Part Number	Thread Size	Tube Size	Overall Length	Exposed Length	Wrench Flats	Largest Diameter	Weight
1/8	PD346	9/16-18 UNF	1/4	2.98	2.27	0.81	0.94	–
1/8	PD366	11/16-16 UNF	3/8	3.08	2.37	1.00	1.16	–
1/8	PD386	13/16-16 UNF	1/2	3.18	2.47	1.12	1.30	–

* Note: Add -6 to part number to include dust cap, for example PD343-6
* BPD designates brass body, Fluorocarbon seal standard
** SSPD designates 316SS body, Fluorocarbon seal standard

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Tube End Nipples*- Triple Lok

Body Size	Part Number Steel	Tube Size	Overall Length	Exposed Length	Weight
1/8	PD34BTX	1/4	1.64	0.94	0.10
1/8	PD36BTX	3/8	1.66	0.96	0.09

1/8	PD38BTX	1/2	1.17	0.47	0.12
1/8	PD312BTX	3/4	1.39	0.69	0.27

* Tube end nipples are designed to meet the performance standards of the tube or hose fitting connection, which may or may not meet SAE J1502 Standards

Tube End Nipples*- Seal Lok

Body Size	Part Number Steel	Tube Size	Overall Length	Exposed Length	Weight
1/8	PD34BTL	1/4	2.18	1.48	0.12
1/8	PD36BTL	3/8	2.30	1.60	0.14

1/8	PD38BTL	1/2	1.57	0.83	0.13
1/8	PD310BTL	5/8	1.16	0.46	0.19

* Tube end nipples are designed to meet the performance standards of the tube or hose fitting connection, which may or may not meet SAE J1502 Standards

Note: Add -6 to Nipple part number to include dust cap, for example PD343-6

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