

- mobile systems
- industrial systems
- engines

PD Series

Test Port Couplings

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

PD nipples can be permanently mounted in the system at threaded test ports, in rigid tubing, or in hose assemblies. PD Couplers attached to test instruments, gauges, transducers, and other test equipment allow quick and easy system access when connected to the test point nipples.

These couplers are the ideal choice for industrial, agricultural, mobile and other demanding break-away applications.

- Flush poppet minimizes air inclusion and spillage
- Knurled sleeves make connecting and disconnecting easy
- PD nipples meet or exceed SAE J1502 and ISO 15171-1 design and performance requirements



Specifications

Body Size (in.)	PD Coupler	PD Nipple	BPD Nipple	Assembly
	PD242	PD361	BPD343Y	—
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	-40°F to +400°F	-15°F to +400°F	-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 (m)-Assembly	—	0.1 per disconnect	—	—
Air Inclusion (m)-Assembly	—	0.02 per connect	—	—
Connect Force-Assembly	—	41 Lbs. (100 PSI)	—	—
Disconnect Force-Assembly	—	20 Lbs. (100 PSI)	—	—

Dust Plugs & Caps

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

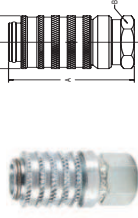


PD Series

Test Port Couplings

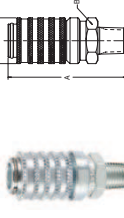
Couplers

Female Thread



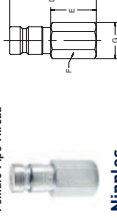
Couplers

Male Thread



Nipples

Female Pipe Thread



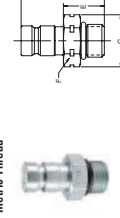
Nipples

Male Pipe Thread



Nipples

Metric Thread



Nipples

Male Straight Thread



Body Size (in.)	Part Number	Female Thread Size	Dimensions (inches)		
			Overall Length	Wrench Flats	Largest Diameter
1/8	PD222	.125-27 NPTF	A	B	C
1/8	PD240	.437-20 ORB	1.67	0.81	0.96
1/8	PD242	.250-18 NPTF	2.12	0.81	0.96
1/8	SSPD242Y**	.250-18 NPTF	2.12	0.81	0.96
1/8	PD260	.562-18 ORB	2.12	0.81	0.96

Body Size (in.)	Part Number	Male Thread Size	Dimensions (inches)		
			Overall Length	Wrench Flats	Largest Diameter
1/8	PD243	.125-18 NPTF	A	B	C
1/8	PD243	.125-18 NPTF	2.26	0.81	0.96

*Note: Add -6 to part number to include dust cap. For example PD343-6

**SSPD designates 316SS body, Fluorocarbon seal standard

Body Size (in.)	Part Number	Female Thread Size	Dimensions (inches)			
			Overall Length	Hex Size	Largest Diameter	F
1/8	PD322	.125-27 NPTF	D	E	F	F
1/8	PD342	.250-18 NPTF	1.48	0.56	0.65	0.87

Body Size (in.)	Part Number	Female Thread Size	Dimensions (inches)			
			Overall Length	Hex Size	Largest Diameter	F
1/8	PD323	.125-27 NPTF	D	E	F	F
1/8	BPD323Y*	.125-27 NPTF	1.55	0.69	0.79	0.72
1/8	BPD343Y*	.250-18 NPTF	1.44	0.63	0.72	0.79
1/8	PD3843	.250-18 NPTF	1.48	0.69	0.79	0.79
1/8	SSPD343Y**	.250-18 NPTF	1.48	0.69	0.79	0.79
1/8	PD3863	.375-18 NPTF	1.50	0.81	0.96	0.96

Body Size (in.)	Part Number	Thread Size	Dimensions (inches)			
			Overall Length	Hex Size	Largest Diameter	F
1/8	PD357	M10 x 1.0	D	E	F	F
1/8	PD3107	M16 x 1.5	1.80	0.69	0.79	0.79
1/8	PD3127	M18 x 1.5	1.54	0.88	1.01	1.01
1/8	PD3147	M20 x 1.5	1.60	0.94	1.08	1.08
1/8	PD3147	M20 x 1.5	1.50	0.75	0.87	0.87

Body Size (in.)	Part Number	Male Thread Size	Dimensions (inches)			
			Overall Length	Hex Size	Largest Diameter	F
1/8	PD331	.375-24 ORB	D	E	F	F
1/8	PD341	.437-20 ORB	1.80	0.69	0.79	0.79
1/8	PD351	.500-20 ORB	1.60	0.69	0.79	0.79
1/8	PD361	.563-18 ORB	1.32	0.63	0.72	0.72
1/8	PD361	.563-18 ORB	1.32	0.69	0.79	0.79

*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

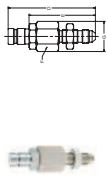
- mobile systems
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PD Series

Test Port Couplings

Nipples

Bulkhead Triple-Lok



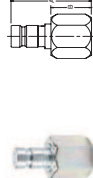
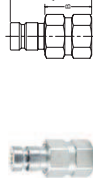
Nipples

Bulkhead Seal-Lok



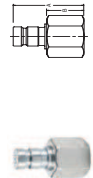
Tube End Nipples*

Triple-Lok; PD--BTX



Tube End Nipples*

Seal-Lok; PD--BTL



Body Size (in.)	Part Number	Thread Size	Tube Size	Overall Length	Dimensions (inches) Exposed Length	Hex Size	Largest Diameter
				D	E	F	G
1/8	PD345	.437-20	.250	2.92	2.22	0.81	0.94
1/8	PD355	.500-20	.312	2.92	2.22	0.81	0.94
1/8	PD365	.562-18	.325	3.00	2.30	0.81	0.94

Body Size (in.)	Part Number	Thread Size	Tube Size	Overall Length	Dimensions (inches) Exposed Length	Hex Size	Largest Diameter
				D	E	F	G
1/8	PD346	.562-18	.250	2.98	2.27	0.81	0.94
1/8	PD366	.687-16	.375	3.08	2.37	1.00	1.16
1/8	PD386	.812-16	.500	3.18	2.47	1.12	1.30

Body Size (in.)	Part Number	Tube Size (in.)	Dimensions (inches) Overall Length	Exposed Length
			A	B
1/8	PD348TX	.250	1.64	0.94
1/8	PD368TX	.375	1.66	0.96

Body Size (in.)	Part Number	Tube Size (in.)	Dimensions (inches) Overall Length	Exposed Length
			A	B
1/8	PD388TX	.500	1.17	0.47
1/8	PD3128TX	.750	1.39	0.69

Body Size (in.)	Part Number	Tube Size (in.)	Dimensions (inches) Overall Length	Exposed Length
			A	B
1/8	PD348TL	.250	2.18	1.48
1/8	PD368TL	.375	2.30	1.60

Body Size (in.)	Part Number	Tube Size (in.)	Dimensions (inches) Overall Length	Exposed Length
			A	B
1/8	PD388TL	.500	1.57	0.83
1/8	PD3108TL	.625	1.16	0.46

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

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

EMA3 Series

Test Port Couplings

Although designed primarily for diagnostic applications, EMA fittings and hose assemblies are ideal for a wide range of applications that require compact high pressure connections and limited flow rates.

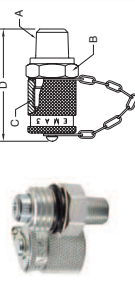
- Twist-to-connect operation without the use of tools
- Connect under pressure – up to 5800 PSI
- Maximum rated working pressure of 9000 PSI exceeds the requirements of most applications
- Integral threaded dust cap protects the test point from damage and contamination
- EMA fittings are machined from solid bar stock and protected with Chromium-6 Free plating.
- Elastomeric interface and valve seats provide leak free operation



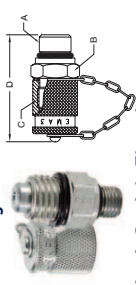
Specifications

Body Size (in.)	1/8
Rated Flow (GPM)	12
Seal Material (Std.)	Nitrile/Fluorocarbon
Temperature Range (Std. Seals)	-15°F to +250°F

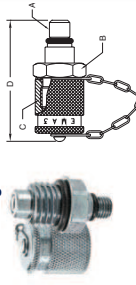
Male Pipe Thread



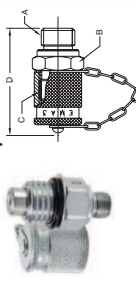
SAE Straight Thread



Metric Straight Thread



British Parallel Pipe



Part Number	Port Thread Size	Hex Size (mm)	Interface Thread Size	Overall Length
	A	B	C	D
EMA3/1/8NPT	1/8-27NPT	17	M16X2.0	1.81
EMA3/1/4NPT	1/4-18NPT	17	M16X2.0	1.98
EMA3/1/4NPT71 Stainless Steel	1/4-18NPT	17	M16X2.0	1.95

Part Number	Port Thread Size	Hex Size (mm)	Interface Thread Size	Overall Length
	A	B	C	D
EMA3/7/16-20UNF-2A*	7/16-20UNF-2A	17	M16X2.0	1.88
EMA3/9/16-18UNF-2A*	9/16-18UNF-2A	19	M16X2.0	1.88

Part Number	Port Thread Size	Hex Size (mm)	Interface Thread Size	Overall Length
	A	B	C	D
EMA3/8X1.0R*	M8X1	17	M16X2.0	1.81
EMA3/10X1.0ED**	M10X1	17	M16X2.0	1.85
EMA3/12X1.5ED**	M12X1.5	17	M16X2.0	1.94
EMA3/14X1.5ED**	M14X1.5	19	M16X2.0	1.94

Part Number	Port Thread Size	Hex Size (mm)	Interface Thread Size	Overall Length
	A	B	C	D
EMA3/1/8ED**	1/8 BSPP	19	M16X2.0	1.77
EMA3/1/4ED**	1/4 BSPP	19	M16X2.0	1.94
EMA3/3/8ED**	3/8 BSPP	21	M16X2.0	1.94

* O-Ring seal on port
** Mobilized seal on port