



Technical Description

Diagnostic couplings provide easily accessible test points for performance testing of hydraulic and pneumatic systems. Easily incorporated into original equipment or retrofitted to existing circuits, PD plugs meet or exceed SEA J 1502 and ISO 15171-1 design and performance specification.

Advantages

- Carbon steel for couplers. High tensile steel for plugs.
- For water applications also available in brass on request.
- Ball locking mechanism.

- Flush-faced poppet valve for a minimal air inclusion when connecting, minimal fluid loss during disconnection and for an easy cleaning.
- The sealing and locking groove are induction hardened to resist mechanical abuse and brinelling, whilst avoiding toughness.
- A safety sleeve lock prevents accidental disconnection.
- Push-to-connect operation allows single handed operation when connecting the coupling.

Applications

- Industrial equipment
- Mobile equipment
- Agricultural equipment

Working Pressure

max. 420 bar

Working Temperature

-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Material Coupling

Body	Steel
Sleeve	Steel
Valve	Steel
Valve Sleeve	Steel
Springs	Steel
Seals	Nitrile
Back-up Rings	PTFE
Valve Body	Steel

Material Plug

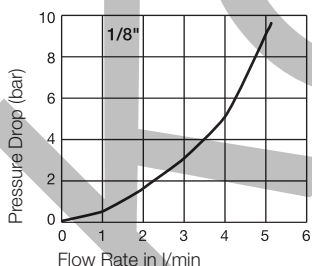
Body	Steel
Seals	Nitrile
Valve	Steel
Spring	Steel
Retainer	Steel

Options:

1. For some end configurations, test points are also available in brass and stainless steel AISI 316.
2. Other metric end configurations are available on request.
3. Possibility to have test point connectable under pressure up to 420 bar.

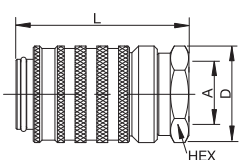
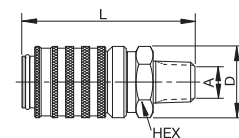
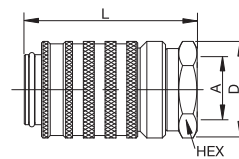
Please contact your Parker team.

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



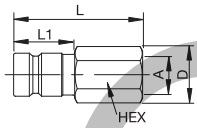
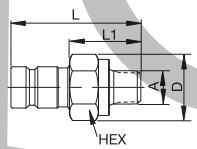
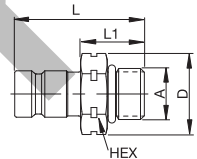
Couplings

PD-Series

	Body Size	Connec- tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 <p>Female NPTF Thread – SAE J 476</p>	1/8"	1/8"-27		13/16"	42,4		24,4	90	PD222
	1/8"	1/4"-18		13/16"	53,8		24,4	113	PD242
 <p>Male NPTF Thread – SAE J 476</p>	1/8"	1/4"-18		13/16"	57,4		24,4	104	PD243
 <p>Female UNF Thread – SAE J 1926</p>	1/8"	9/16"-18		13/16"	53,8		24,4	109	PD260

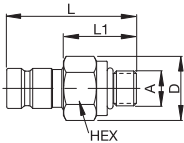
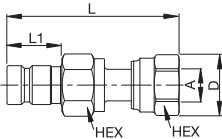
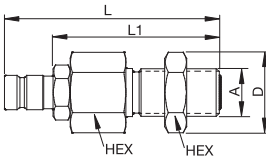
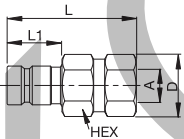
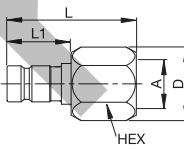
Plugs

PD-Series

	Body Size	Connec- tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 <p>Female NPTF Thread – SAE J 476</p>	1/8"	1/8"-27		9/16"	37,6	19,8	16,5	27	PD322
	1/8"	1/4"-18		3/4"	41,4	23,6	21,9	54	PD342
 <p>Male NPTF Thread – SAE J 476</p>	1/8"	1/8"-27		11/16"	39,4	21,6	20,1	77	PD323
	1/8"	1/4"-18		11/16"	37,6	19,8	20,1	27	PD343
	1/8"	3/8"-18		13/16"	38,1	20,3	23,8	40	PD363
 <p>Male Metric Thread to ISO 6149</p>	1/8"	M 14 x 1,5		17 mm	35,0	17,3	19,6	32	PD367-1A

Plugs

PD-Series

	Body Size	Conne- ction A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 <p>Male UNF Thread - SAE 1926</p>	1/8"	7/16"-20		11/16"	40,6	22,9	20,1	36	PD341
	1/8"	1/2"-20		5/8"	33,5	15,7	18,3	22	PD351 *
	1/8"	9/16"-18		11/16"	33,5	15,7	20,1	27	PD361 *
 <p>O-Lok SAE J 1453 / ISO 8434-3</p>	1/8"	9/16"-18	1/4" (6 mm)	11/16"	55,4	17,8	20,1	54	PD34BTL
	1/8"	1 1/16"-16	3/8" (10 mm)	13/16"	58,4	17,8	23,9	63	PD36BTL
 <p>O-Lok SAE J 1453 / ISO 8434-3</p>	1/8"	13/16"-16	1/2" (12 mm)	1 5/16"	28,4	17,8	38,4	58	PD38BTL *
 <p>Bulkhead O-Lok SAE J 1453 / ISO 8434-3</p>	1/8"	9/16"-18	1/4" (6 mm)	13/16"	75,7	57,9	23,8	86	PD346 *
 <p>Triple-Lok SAE J 514 - ISO 8434-2</p>	1/8"	9/16"-18	3/8" (10 mm)	11/16"	42,2	17,8	20,1	40	PD36BTX *
 <p>Triple-Lok SAE J 514 - ISO 8434-2</p>	1/8"	1 1/16"-12	3/4" (20 mm)	1 1/4"	35,3	17,8	36,5	122	PD312BTX

* Add 6 to part number to include the dust cap.

Body Size	Version	Part number
1/8"	for plug	PD6-285

Other materials (EPDM/FKM/HNBR) are available on request.