



April 2016 - Revision B
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SUBSEA COUPLING SOLUTIONS

DSC Series Data Sheet



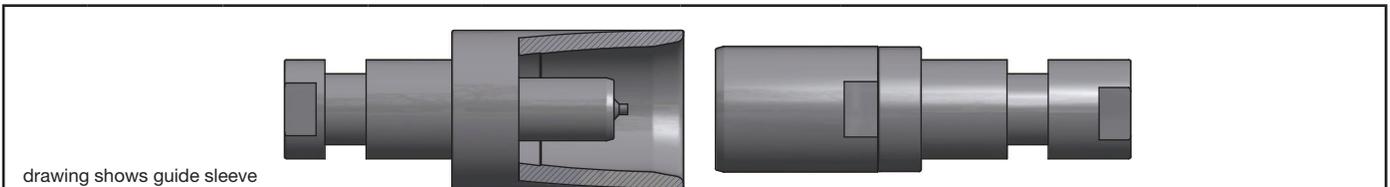
DSC Series are traditional subsea couplings with PEEK seals. Redundant sealing adds a higher level of integrity to this proven design. The guide sleeve eases alignment of the coupler and nipple for a smooth connection.

Features:

- Sizes 1/4" - 1/2"
- Up to 15,000 psi (1034 bar)
- Poppet valves
- Redundant sealing
- Peek primary seal, O-ring back up secondary seal
- Parker FKM O-rings standard
- Body material: 316 SST
- Internal component materials: Nitronic® 50HS, Nitronic® 60 and 316 SST
- Connect/disconnect under pressure up to rated pressure

Options:

- Various O-ring materials
- Guide sleeve
- Vented valving
- Higher poppet crack pressure
- Grounding attachment connection
- Dummy couplings available
- Body from Nitronic® 50HS
- Various end configurations: Autoclave, weld prep, tube stub (others available upon request)



Size	Working Pressure** (psi/bar)	Rated Working Depth (ft/m)	Cv per Coupling Half	Separation Force (lb/1000 psi & N/100 bar)	Water Ingress Per Connect (ml)	Poppet Crack Pressure (psi/bar)	Length* (in/mm)	Min. Plate Bore Diameter* (in/mm)
1/4"	15,000/1034	6562/2000	1.0	310/2000	3.4	115/7.9	Male: 6.7/170	1.25/31.75
							Female: 7.25/184	
1/2"	15,000/1034	6562/2000	2.8	695/4484	8.5	30/2.1	Male: 7.0/178	1.50/38.10
							Female: 7.5/191	

Data given is representative of the coupling series. Individual couplings may vary based on specific configuration of fittings/optional features.

* Minimum bore diameter and length are reference. May change for a specific plate configuration.

** Max pressure rating dependent on end configuration.