



April 2016 - Revision B  
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# SUBSEA COUPLING SOLUTIONS

## DSB Series Data Sheet



DSB Series balanced couplings have no hydraulic separation force while under pressure. The PEEK seals are durable for connecting at full system pressure. \*\*\*

**Features:**

- Size 3/8"
- Up to 10,000 psi (690 bar)
- Force balanced valve design
- PEEK primary seal
- Parker Nitrile O-rings standard
- Body material: Nitronic® 50HS
- Internal component materials: Nitronic® 50HS, Nitronic® 60 and 316 SST

**Options:**

- Various O-ring materials
- Guide sleeve
- Vented valving
- End configurations: NPT, JIC, BSP, DIN (others available upon request)

<p>drawing shows guide sleeve</p>							
Size	Working Pressure** (psi/bar)	Rated Working Depth (ft/m)	Cv per Coupling Set	Separation Force (lb/1000 psi & N/100 bar)	Water Ingress Per Connect (ml)	Length* (in/mm)	Min. Plate Bore Diameter* (in/mm)
3/8"	10,000/690	10,000/3050	2.4	0/0	-	Male: 3.89/98.8	1.625/41.28
						Female: 4.73/120.14	

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  
 \*\*\* Connection or disconnection under pressure should not be done while connected to a live energy source (i.e. accumulator or running pump).