



# DEUBLIN

## 1117 Series Bearingless "Closed Seal" Rotating Unions for Continuous Coolant Service

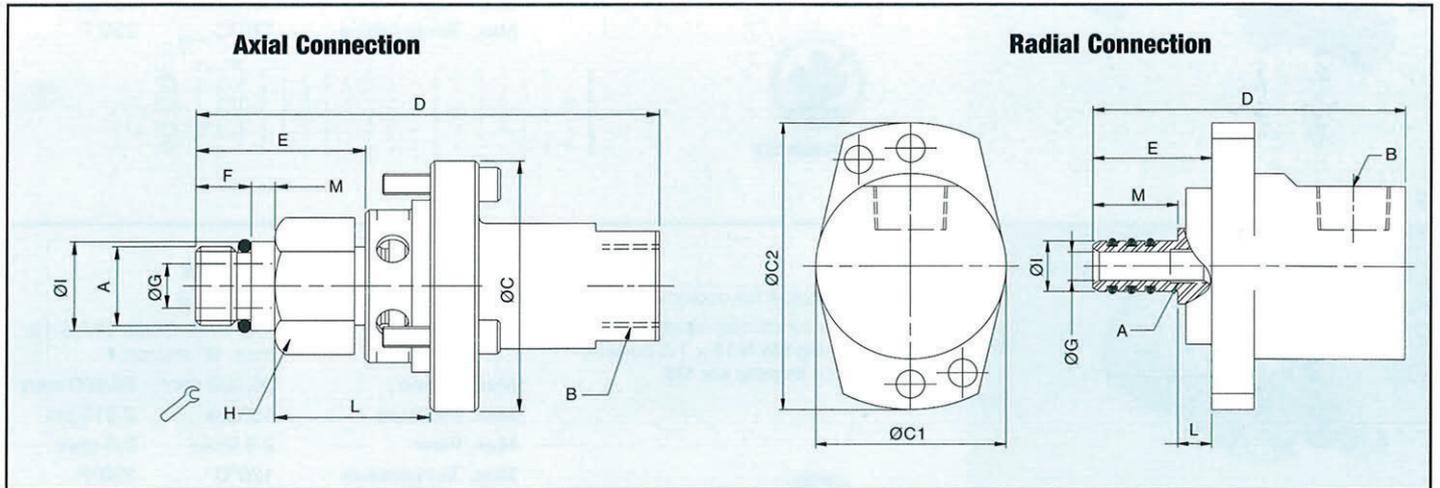
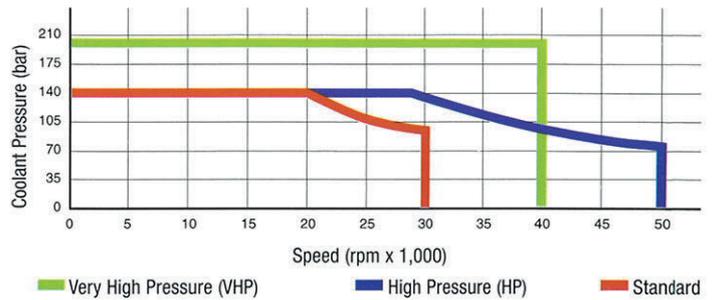
- Single passage for coolant or MQL
- Closed seals for transfer line and similar applications
- Full-flow design has no obstructions to trap swarf or debris
- Balanced mechanical seals made from silicon carbide for long life even under difficult operating conditions
- Compact size can be adapted for custom installations
- Anodised aluminium housing resists corrosion

### Operating Data

Media	Water-based Coolant		
Filtration	ISO 4406 Class 17/15/12, max. 60 micron		
Max. Speed	see chart/table		
Max. Pressure	see chart		
Max. Flow	82 l/min	21.6 gpm	Standard
	24,3 l/min	6.4 gpm	High Pressure (HP)
	2,7 l/min	0.7 gpm	Very High Pressure (VHP)
Max. Temperature	120°C	250°F	



**DO NOT RUN DRY**



	Ordering Number	B Supply Connection	C Overall Diameter	D Overall Length	L Mounting Distance	A Rotor Connection	E Rotor Length	G Bore Diameter	H Across Flats	I Pilot Diameter	M Pilot Length	Max. Speed (rpm)
Standard Radial	1117-706	G 3/8	44	72	7.5 / 7.0	12 f7	21	7	—	11.984 / 11.966	20	10,000 <sup>A</sup>
	1117-711	3/8 NPT	44 x 68	73	8.0 / 7.5	12 f7	28	7	—	11.984 / 11.966	20	10,000 <sup>A</sup>
	1117-792	G 3/8	44	72	7.5 / 7.0	12 f7	21	7	—	11.984 / 11.966	20	30,000
Standard Axial Connection	1117-002-110	3/8 NPT	51	95	31.7 / 30.5	5/8-18 UNF RH	37	9	15/16"	0.6550" / 0.6540"	5	30,000
	1117-002-111	3/8 NPT	51	95	31.7 / 30.5	5/8-18 UNF LH	37	9	15/16"	0.6550" / 0.6540"	5	30,000
	1117-002-116	3/8 NPT	51	92	31.7 / 30.5	M16 x 1.5 LH	34	9	24	17.993 / 17.988	5	30,000
	1117-058-116	G 3/8	51	92	31.7 / 30.5	M16 x 1.5 LH	34	9	24	17.993 / 17.988	5	30,000
	1117-028-374	20 h5	40	63	25	M12 x 1.25 LH	28	6	17	13.000 / 12.974	6	46,000
	1117-789	25 f7	36 x 52	56	23.7 / 23.3	12 f7	28	7	—	11.984 / 11.996	20	30,000
HP	1117-490-493	3/8 PT	54	105	39.6 / 38.6	M12 x 1.25 LH	40	5	18	14.000 / 13.992	5	50,000
VHP	1117-063-294	G 1/4	51	92	31.7 / 30.5	M16 x 1.5 LH	34	5	24	17.993 / 17.988	5	40,000

Note A: Union includes integral lip seal for added spindle protection.

This series includes additional models.  
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