DEUBLIN

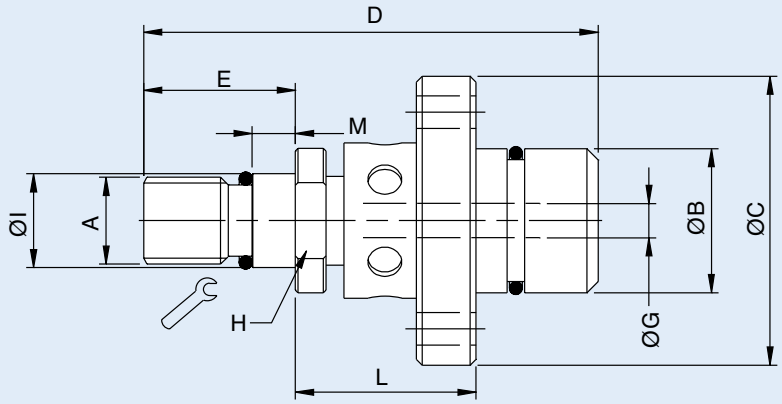
1151 Series Bearingless Pop-Off™ "Long Stroke" Rotating Unions for Coolant Service

- Single passage for Coolant and MQL
- Patented Pop-Off technology allows unlimited dry running without media pressure
- Non-rotating element has "stroke" (axial movement) of up to 13.5 mm, to track drawbar movement even when the union is mounted on the clamping device
- Full flow design has no obstructions to trap chips or debris
- Balanced mechanical seals made from silicon carbide for long life even under difficult operating conditions

Operating Data

Media	Water-based Coolant MQL	
Filtration	ISO 4406 Class 17/15/12, max. 60 micron	
Maximum Speed	50,000 min^{-1}	50,000 rpm
Maximum Pressure	140 bar	2030 psi
Maximum Flow	33 l/min (6 mm bore)	
Maximum Temperature	71°C	160°F

NO AIR PRESSURE WITH ROTATION



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)
1151-030-137	20.0 mm Counterbore	40.2	62	27.0 / 23.0	M12 x 1.25 LH	32.1	6	17	13.000 / 12.995	6	50,000
1151-031-137	20.0 mm Counterbore	40.2	62	27.0 / 23.1	M12 x 1.25 LH	32.1	6	17	13.000 / 12.996	6	50,000
1151-002-140	16.4 mm Counterbore	31	63	37.0 / 30.0	M12 x 1.25 LH	28	5	15	12.994 / 12.989	6	40,000
1151-020-127	16.0 mm Counterbore	31.8	42	21.5 / 19.5	M10 x 1 LH	23	5	14	10.994 / 10.989	4	50,000
1151-002-133	20.0 mm Counterbore	38.5	79	30.0 / 23.0	M12 x 1.25 LH	26.9	5	15	12.994 / 12.990	6	40,000