

# DEUBLIN

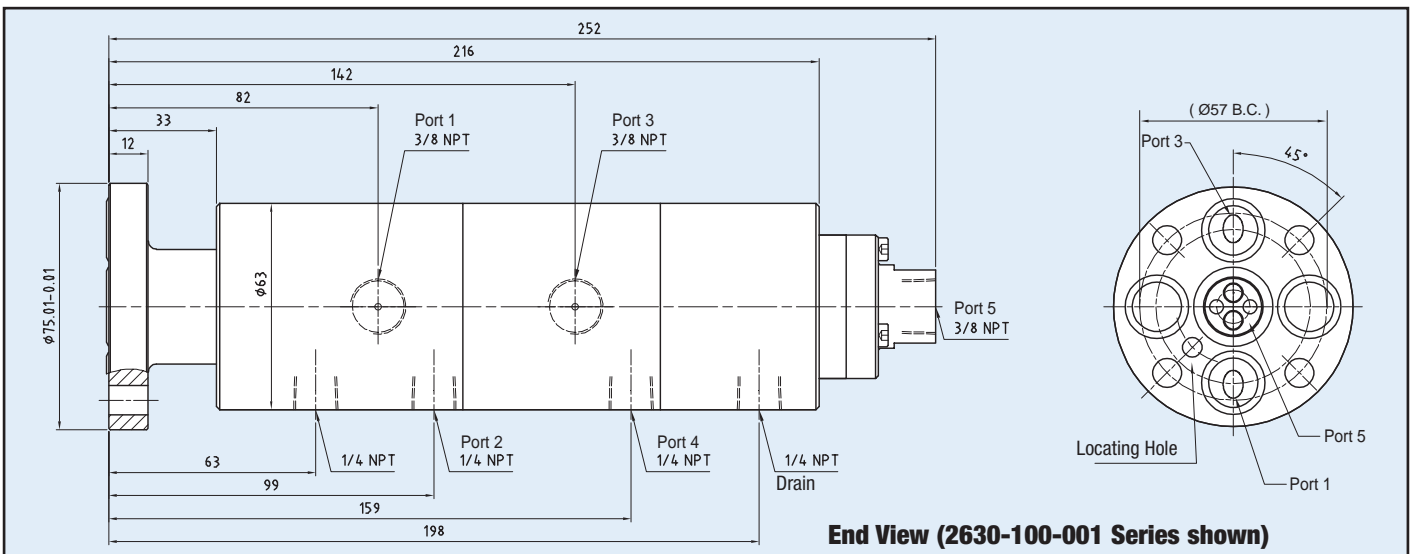
## 2630/2640/2650 Series 3 to 5-Passage Rotating Unions for Various Media

- Three, four or five independent passages for applications such as clamping and unclamping, work piece or tool sensing, and spindle cooling
- Balanced mechanical seals in all passages for low torque and long life even with high speeds and pressures
- Closed seals provide continuous containment of media
- No external lubrication of air seals is required
- Dual precision ball bearings for smooth operation
- Labyrinth protection for ball bearings



### Operating Data

Media	see table	
Filtration	ISO 4406 Class 17/15/12, max. 60 micron	
Max. Speed	10,000 min <sup>-1</sup>	10,000 rpm
Max. Pressure		
Coolant or Oil	140 bar	2,031 psi
Air	10 bar	145 psi
Max. Flow per passage		
Serie 2630	39 l/min	10.2 gpm
Serie 2640	17 l/min	4.5 gpm
Serie 2650	17 l/min	4.5 gpm
Max. Temperature	71 °C	160 °F



Number of Passages	Ordering Number	Port #1	Port #2	Port #3	Port #4	Port #5
3	2630-000-001	Hydraulic or Cooling Oil	Drain	Water	Drain	Coolant / MQL / Compressed Air <sup>A</sup>
	2630-100-001	Hydraulic or Cooling Oil	Drain	Hydraulic or Cooling Oil	Drain	Coolant / MQL / Compressed Air <sup>A</sup>
	2630-200-001	Hydraulic or Cooling Oil	Compressed Air <sup>B</sup>	Coolant	Drain	—
	2630-300-001	—	Compressed Air <sup>B</sup>	Coolant	Compressed Air <sup>B</sup>	—
	2630-400-001	—	Compressed Air <sup>B</sup>	Coolant	Drain	Coolant / MQL / Compressed Air <sup>A</sup>
4	2640-000-001	Hydraulic or Cooling Oil	Compressed Air <sup>B</sup>	Coolant	Drain	Coolant / MQL / Compressed Air <sup>A</sup>
	2640-100-001	Hydraulic or Cooling Oil	Compressed Air <sup>B</sup>	Hydraulic or Cooling Oil	Drain	Coolant / MQL / Compressed Air <sup>A</sup>
5	2650-000-001	Hydraulic or Cooling Oil	Compressed Air <sup>B</sup>	Coolant	Compressed Air <sup>B</sup>	Hydraulic or Cooling Oil

**Note A:** This passage operates with AutoSense™ technology. With dry air, it operates with controlled leakage, with MQL and coolant, it operates with closed seals.

**Note B:** This passage operates with closed seals, appropriate for tool or work piece sensing applications.

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