

DEUBLIN

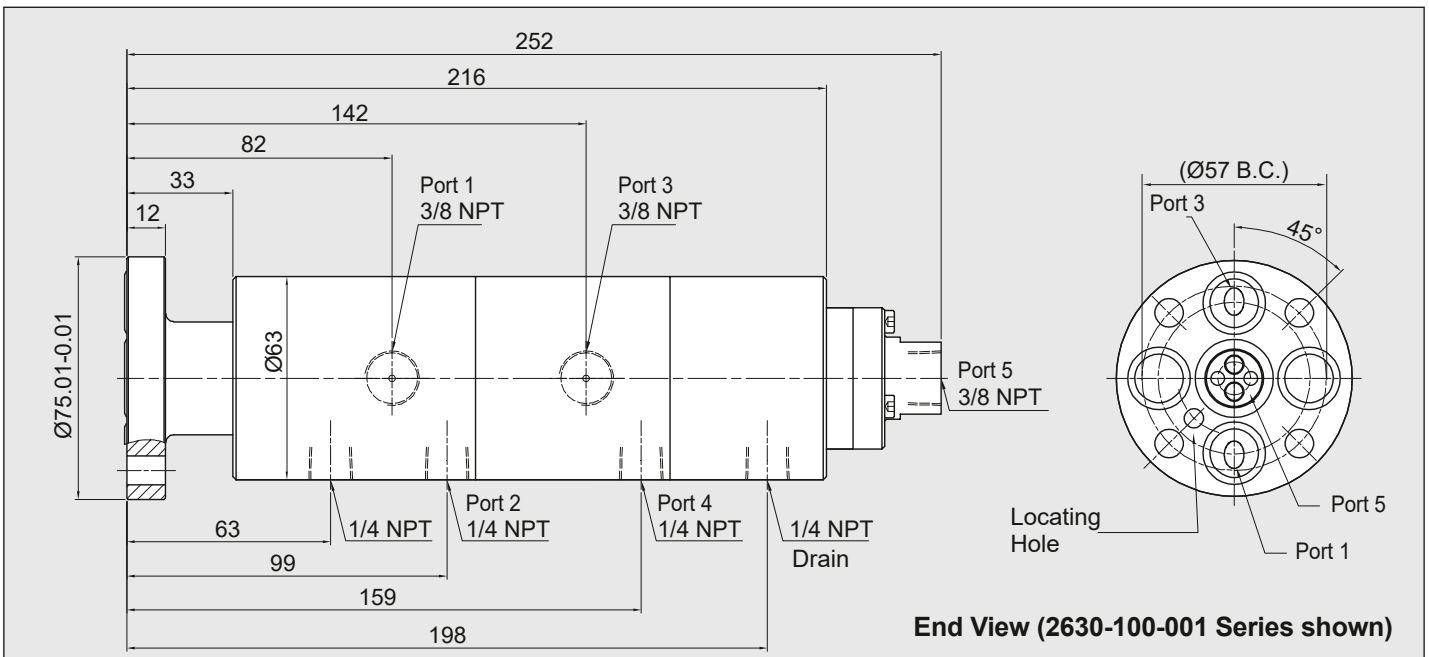
2630/2640/2650 Series 3 to 5-Passage Rotary Unions for Various Media

- 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
- Labyrinth protection for ball bearings



Operating Data

Media	see table	
Filtration	ISO 4406:2017 Class 17/15/12, max. 60 micron	
Max. Speed	10.000 min ⁻¹	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



No of Passages	Ordering Number	Port #1	Port #2	Port #3	Port #4	Port #5
3	2630-100-001	Hydraulic or Cooling Oil	Drain	Hydraulic or Cooling Oil	Drain	Coolant / MQL / Compressed Air ^A
	2630-200-001	Hydraulic or Cooling Oil	Compressed Air ^B	Coolant	Drain	-
	2630-300-001	-	Compressed Air ^B	Coolant	Compressed Air ^B	-
	2630-600-001	Compressed Air ^B	Compressed Air ^B	Coolant / MQL / Compressed Air ^A	-	-
4	2640-100-001	Hydraulic or Cooling Oil	Compressed Air ^B	Hydraulic or Cooling Oil	Drain	Coolant / MQL / Compressed Air ^A
	2640-600-001	Compressed Air ^B	Compressed Air ^B	Compressed Air ^B	Coolant / MQL / Compressed Air ^A	-
5	2650-000-001	Hydraulic or Cooling Oil	Compressed Air ^B	Coolant	Compressed Air ^B	Hydraulic or Cooling Oil
	2650-600-001	Compressed Air ^B	Compressed Air ^B	Compressed Air ^B	Compressed Air ^B	Coolant
	2650-700-001	Hydraulic Oil	Hydraulic Oil	Hydraulic Oil	Compressed Air ^B	Hydraulic 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.

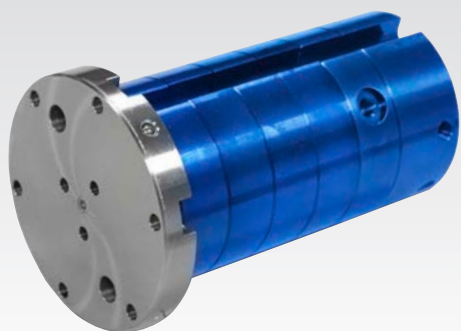
Note B: This passage operates with closed seals, appropriate for tool or work piece sensing applications.

DEUBLIN

260x Series Multi-Channel High Speed Unions (1,000+ RPM) for DDRT* Applications Requiring Various Media

- 3-8 Passages for Various Media
- Applications include clamping and unclamping, work piece or tool sensing, air cleaning, and spindle cooling
- Minimized axial length
- No external lubrication required for air seals
- 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 with no by-pass leakage
- Dual precision ball bearings for smooth operation

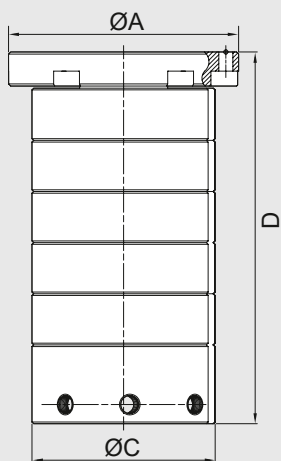
* Direct Drive Rotary Table



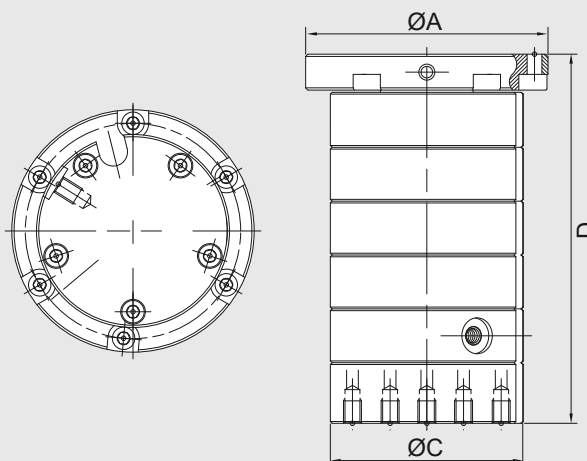
Operating Data

Media	Hydraulic Oil	
	Cooling Oil	
	Air up to 10 bar (145 psi)	
	Coolant	
Filtration	ISO 4406:2017 Class 17/15/12, max. 60 micron	
Max. Speed	see table	
Max. Pressure		
Coolant or Oil	140 bar	2,031 psi
Air	10 bar	145 psi
Max. Temperature	71 °C	160 °F

**Rotor-mounted Radial Connection
Connection 1**



**Rotor-mounted Axial Connection
Connection 2**



No of Passages	Connection	Ordering Number	Max. Speed [rpm]	Media Channels	D Overall Length	C Housing Diameter	A Flange Diameter
3	1	2603-140-108	7,000	2x Oil, 1x Air	140	63	108
3	1	2603-141-108	3,000	3x Air	140	63	108
3	1	2603-145-108	7,000	2x Oil, 1x Air	140	68	108
4	2	2604-102-108	3,000	3x Oil, 1x Air	164.5	86	108
6	1	2606-075-102	2,500	2x Cooling Oil, 2x Hydraulic Oil, 2x Air	163	75	75
6	1	2606-250-101	1,500	4x Oil, 2x Cooling Oil or Coolant	212	86	100
8	1	2608-200-103	1,500	3x Oil, 3x Air, 2x Cooling Oil	258	115	158