



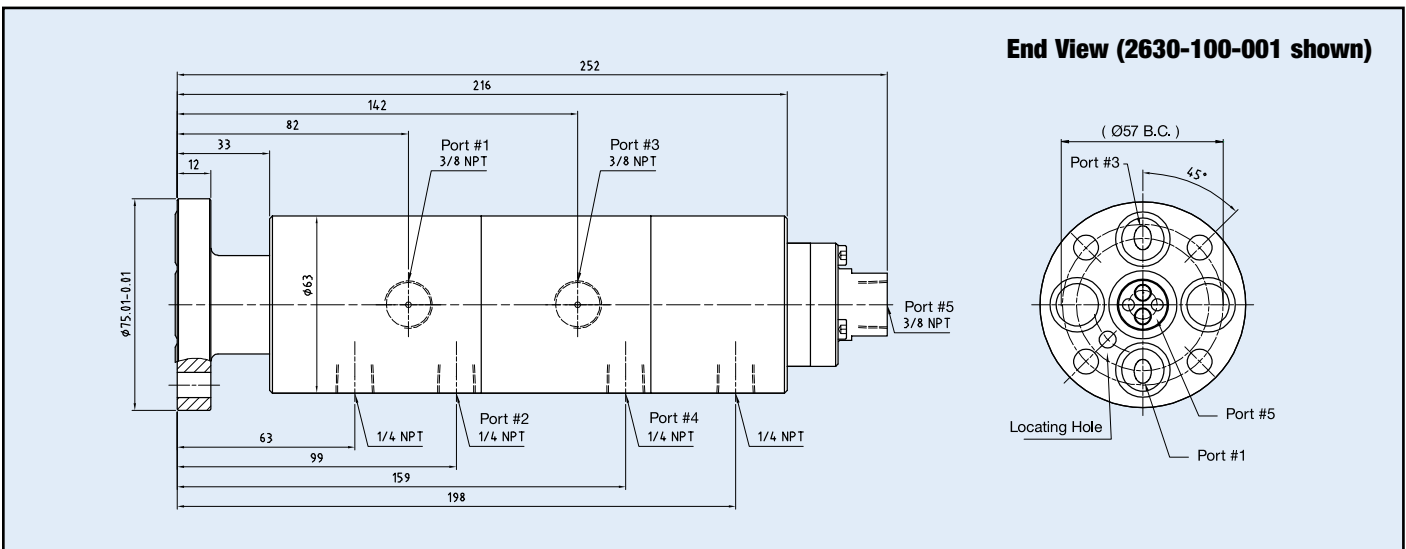
# DEUBLIN

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

- Three to 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 |            |
| Maximum Speed            | 10,000 min <sup>-1</sup>                | 10,000 rpm |
| Maximum Pressure         |   |            |
| Coolant or oil           | 140 bar                                 | 2,030 psi  |
| Air                      | 10 bar                                  | 145 psi    |
| Maximum Flow Per Passage |   |            |
| 2630 Series              | 39 l/min                                | 10.2 gpm   |
| 2640 Series              | 17 l/min                                | 4.5 gpm    |
| 2650 Series              | 17 l/min                                | 4.5gpm     |
| Maximum Temperature      | 71°C                                    | 160°F      |



End View (2630-100-001 shown)

| 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 / Dry Air* |
|                    | 2630-100-001    | Hydraulic or Cooling Oil | Drain   | Hydraulic or Cooling Oil | Drain   | Coolant / MQL / Dry Air* |
|                    | 2630-200-001    | Hydraulic or Cooling Oil | Air**   | Coolant                  | Drain   | NA                       |
|                    | 2630-300-001    | NA                       | Air**   | Coolant                  | Air**   | NA                       |
|                    | 2630-400-001    | NA                       | Air**   | Coolant                  | Drain   | Coolant / MQL / Dry Air* |
| 4                  | 2630-500-001    | Hydraulic or Cooling Oil | Drain   | Hydraulic or Cooling Oil | Drain   | Hydraulic or Cooling Oil |
|                    | 2640-000-001    | Hydraulic or Cooling Oil | Air**   | Coolant                  | Drain   | Coolant / MQL / Dry Air* |
|                    | 2640-100-001    | Hydraulic or Cooling Oil | Air**   | Hydraulic or Cooling Oil | Drain   | Coolant / MQL / Dry Air* |
|                    | 2640-200-001    | Hydraulic or Cooling Oil | Air**   | Hydraulic or Cooling Oil | Drain   | Hydraulic or Cooling Oil |
|                    | 2640-400-001    | Hydraulic or Cooling Oil | Air**   | Hydraulic or Cooling Oil | Air**   | NA                       |
| 5                  | 2640-600-001    | Air**                    | Air**   | Air**                    | Drain   | Coolant / MQL / Dry Air* |
|                    | 2650-000-001    | Hydraulic or Cooling Oil | Air**   | Coolant                  | Air**   | Hydraulic or Cooling Oil |
|                    | 2650-100-001    | Hydraulic or Cooling Oil | Air**   | Hydraulic or Cooling Oil | Air**   | Air**                    |

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

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

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信德迈科技（北京）有限公司 Email: sales@cnmec.biz 010-84282935