



|                               |                                  |                           |                     |
|-------------------------------|----------------------------------|---------------------------|---------------------|
| O.D. (D):                     | 3.125 in (79.4 mm)               | Maximum Speed:            | 10000 RPM           |
| Brand:                        | Ruland                           | Length (L):               | 3.816 in (96.9 mm)  |
| Dynamic Torque Reversing:     | 38 Nm                            | ISO 9001:2015:            | Certified           |
| Balanced Design:              | Yes                              | Bore (B1):                | 45 mm               |
| UNSPC:                        | 31163018                         | Bore (B2):                | 40 mm               |
| Cap Screw:                    | M8                               | Keyway:                   | No                  |
| Static Torque:                | 152 Nm                           | B1 Max Shaft Penetration: | 44.5 mm             |
| Dynamic Torque Non-Reversing: | 76 Nm                            | B2 Max Shaft Penetration: | 44.5 mm             |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)   | Screw Material:           | Alloy Steel         |
| Torsional Stiffness:          | 395.5 Nm/Deg                     | Bore Tolerance:           | +0.03 mm / -0.00 mm |
| Parallel Misalignment:        | 0.30 mm                          | Screw Finish:             | Black Oxide         |
| Angular Misalignment:         | 2.0 deg                          | Hex Wrench Size:          | 6.0 mm              |
| Axial Motion:                 | 0.76 mm                          | REACH:                    | Compliant           |
| Bellows Attachment Method:    | Epoxy                            | RoHS3:                    | Compliant           |
| Length Tolerance:             | +/- 0.76 mm                      | Conflict Minerals:        | Compliant           |
| Recommended Hex Key:          | Metric Hex Keys                  | Tariff Code:              | 8483.60.8000        |
| B1 Min Shaft Penetration:     | 22.2 mm                          | Number of Screws:         | 2                   |
| Product Group:                | Bellows Coupling Standard Length | Seating Torque:           | 39 Nm               |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm            | Material:                 | Aluminum            |
| Zero-Backlash?:               | Yes                              | B2 Min Shaft Penetration: | 22.2 mm             |

|           |                                  |
|-----------|----------------------------------|
| COMPONENT | Bellows Coupling Standard Length |
|-----------|----------------------------------|



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**MBC80-45-40-A**  
**Ruland**  
45mm X 40mm Bores, 79.4mm, Od,  
96.9mm Length, Bellows Coupling, High  
Stiffness, Aluminum

UNIT

Metric

SHEET