



|                               |                                  |                           |                     |
|-------------------------------|----------------------------------|---------------------------|---------------------|
| O.D. (D):                     | 3.125 in (79.4 mm)               | Torsional Stiffness:      | 395.5 Nm/Deg        |
| Brand:                        | Ruland                           | Screw Material:           | Alloy Steel         |
| Angular Misalignment:         | 2.0 deg                          | B2 Max Shaft Penetration: | 44.5 mm             |
| Zero-Backlash?:               | Yes                              | Bore (B1):                | 40 mm               |
| Balanced Design:              | Yes                              | Bore (B2):                | 35 mm               |
| UNSPC:                        | 31163018                         | Keyway:                   | Yes                 |
| Cap Screw:                    | M8                               | Keyway (K1):              | 12 mm               |
| Static Torque:                | 152 Nm                           | Keyway (K2):              | 10 mm               |
| Dynamic Torque Reversing:     | 38 Nm                            | B1 Max Shaft Penetration: | 44.5 mm             |
| Hex Wrench Size:              | 6.0 mm                           | Seating Torque:           | 39 Nm               |
| Dynamic Torque Non-Reversing: | 76 Nm                            | Length (L):               | 3.808 in (96.7 mm)  |
| Maximum Speed:                | 10000 RPM                        | Screw Finish:             | Black Oxide         |
| Parallel Misalignment:        | 0.30 mm                          | Bore Tolerance:           | +0.03 mm / -0.00 mm |
| Axial Motion:                 | 0.76 mm                          | ISO 9001:2015:            | Certified           |
| Bellows Attachment Method:    | Epoxy                            | REACH:                    | Compliant           |
| Length Tolerance:             | +/- 0.76 mm                      | RoHS3:                    | Compliant           |
| Recommended Hex Key:          | Metric Hex Keys                  | Conflict Minerals:        | Compliant           |
| B1 Min Shaft Penetration:     | 22.2 mm                          | Tariff Code:              | 8483.60.8000        |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)   | Number of Screws:         | 2                   |
| Product Group:                | Bellows Coupling Standard Length | Material:                 | Aluminum            |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm            | B2 Min Shaft Penetration: | 22.2 mm             |

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



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**MBCK80-40-35-A**  
**Ruland**  
40mm X 35mm Bores, 79.4mm, Od,  
96.9mm Length, Bellows Coupling With  
Keyways, High Stiffness, Aluminum

UNIT

Metric

SHEET