



|                               |                                  |                           |                     |
|-------------------------------|----------------------------------|---------------------------|---------------------|
| O.D. (D):                     | 0.750 in (19.1 mm)               | Static Torque:            | 4.5 Nm              |
| Brand:                        | Ruland                           | Screw Material:           | Alloy Steel         |
| Dynamic Torque Reversing:     | 1.13 Nm                          | Bore Tolerance:           | +0.03 mm / -0.00 mm |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm            | Material:                 | Aluminum            |
| Zero-Backlash?:               | Yes                              | Bore (B1):                | 8 mm                |
| Balanced Design:              | Yes                              | Bore (B2):                | 4 mm                |
| UNSPC:                        | 31163018                         | Keyway:                   | No                  |
| Cap Screw:                    | M2.5                             | B1 Max Shaft Penetration: | 14.5 mm             |
| Dynamic Torque Non-Reversing: | 2.25 Nm                          | B2 Max Shaft Penetration: | 14.5 mm             |
| Hex Wrench Size:              | 2.0 mm                           | Seating Torque:           | 1.21 Nm             |
| Maximum Speed:                | 10000 RPM                        | Screw Finish:             | Black Oxide         |
| Torsional Stiffness:          | 14 Nm/Deg                        | Length (L):               | 1.306 in (33.2 mm)  |
| Angular Misalignment:         | 1.5 deg                          | ISO 9001:2015:            | Certified           |
| Parallel Misalignment:        | 0.10 mm                          | REACH:                    | Compliant           |
| Axial Motion:                 | 0.25 mm                          | RoHS3:                    | Compliant           |
| Bellows Attachment Method:    | Epoxy                            | Conflict Minerals:        | Compliant           |
| Length Tolerance:             | +/- 0.76 mm                      | Tariff Code:              | 8483.60.8000        |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)   | Number of Screws:         | 2 ea                |
| Product Group:                | Bellows Coupling Standard Length | Recommended Hex Key:      | Metric Hex Keys     |

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



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**MBC19-8-4-A**  
**Ruland**  
8mm X 4mm Bores, 19.1mm Od, 33.2mm  
Length, Bellows Coupling, High Stiffness,  
Aluminum

UNIT

Metric

SHEET