





|                              |                                  |
|------------------------------|----------------------------------|
| Brand                        | Ruland                           |
| Screw Material               | Alloy Steel                      |
| Material                     | Aluminum                         |
| Bore (B1)                    | 20 mm                            |
| Bore (B2)                    | 16 mm                            |
| Keyway                       | No                               |
| B1 Max Shaft Penetration     | 27.9 mm                          |
| B2 Max Shaft Penetration     | 27.9 mm                          |
| Seating Torque               | 9.5 Nm                           |
| Bore Tolerance               | +0.03 mm / -0.00 mm              |
| Screw Finish                 | Black Oxide                      |
| ISO 9001:2015                | Certified                        |
| REACH                        | Compliant                        |
| RoHS3                        | Compliant                        |
| Conflict Minerals            | Compliant                        |
| Tariff Code                  | 8483.60.8000                     |
| Number of Screws             | 2 ea                             |
| O.D. (D)                     | 2.000 in (50.8 mm)               |
| Length (L)                   | 2.413 in (61.3 mm)               |
| Static Torque                | 45.2 Nm                          |
| Maximum Speed                | 10000 RPM                        |
| Product Group                | Bellows Coupling Standard Length |
| Shaft Tolerance              | +0.000 mm / -0.013 mm            |
| Zero-Backlash?               | Yes                              |
| Balanced Design              | Yes                              |
| UNSPC                        | 31163018                         |
| Cap Screw                    | M5                               |
| Dynamic Torque Non-Reversing | 22.60 Nm                         |
| Dynamic Torque Reversing     | 11.30 Nm                         |
| Hex Wrench Size              | 4.0 mm                           |
| Torsional Stiffness          | 108 Nm/Deg                       |
| Angular Misalignment         | 2.0 deg                          |
| Parallel Misalignment        | 0.25 mm                          |
| Axial Motion                 | 0.50 mm                          |
| Bellows Attachment Method    | Epoxy                            |
| Length Tolerance             | +/- 0.76 mm                      |
| Temperature                  | -40°F to 200°F (-40°C to 93°C)   |
| Recommended Hex Key          | Metric Hex Keys                  |



COMPONENT

Bellows Coupling Standard Length



Pacific International Bearing, Inc.  
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**MBC51-20-16-A**  
**Ruland**  
20mm X 16mm Bores, 50.8mm Od, 61.3mm Length, Bellows  
Coupling, High Stiffness, Aluminum

UNIT

Metric

SHEET