





|                              |                                  |
|------------------------------|----------------------------------|
| Brand                        | Ruland                           |
| Screw Material               | Alloy Steel                      |
| Material                     | Aluminum                         |
| Bore (B1)                    | 5 mm                             |
| Bore (B2)                    | 4 mm                             |
| Keyway                       | No                               |
| B1 Max Shaft Penetration     | 13.1 mm                          |
| B2 Max Shaft Penetration     | 13.1 mm                          |
| Seating Torque               | 0.6 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)                     | 0.590 in (15.0 mm)               |
| Length (L)                   | 1.076 in (27.3 mm)               |
| Static Torque                | 2.5 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                    | M2                               |
| Dynamic Torque Non-Reversing | 1.25 Nm                          |
| Dynamic Torque Reversing     | 0.63 Nm                          |
| Hex Wrench Size              | 1.5 mm                           |
| Torsional Stiffness          | 8 Nm/Deg                         |
| Angular Misalignment         | 1.5 deg                          |
| Parallel Misalignment        | 0.10 mm                          |
| Axial Motion                 | 0.20 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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**MBC15-5-4-A**  
**Ruland**  
5mm X 4mm Bores, 15.0mm Od, 27.3mm Length, Bellows Coupling,  
High Stiffness, Aluminum

UNIT

Metric

SHEET