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|-------------------------------|--|---------------------------|--|
| O.D. (D):                     | 0.750 in (19.1 mm)                               | Seating Torque:           | 1.21 Nm  |
| Brand:                        | Ruland   | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.03 mm / -0.00 mm) |
| Hex Wrench Size:              | 2.0 mm   | Number of Screws:         | 2 ea   |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)                   | Material:                 | Aluminum                                       |
| Product Group:                | Bellows Coupling<br>Standard Length              | Bore (B1):                | 8 mm   |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | Bore (B2):                | 0.2500 in                                      |
| Zero-Backlash?:               | Yes  | Keyway:                   | No   |
| Balanced Design:              | Yes  | B1 Max Shaft Penetration: | 0.570 in (14.5 mm)                             |
| UNSPC:                        | 31163018   | Length (L):               | 1.355 in (34.4 mm)                             |
| Maximum Speed:                | 10000 RPM  | B2 Max Shaft Penetration: | 0.570 in (14.5 mm)                             |
| Cap Screw:                    | M2.5   | Screw Material:           | Alloy Steel                                    |
| Dynamic Torque Non-Reversing: | 20 lb-in (2.25 Nm)                               | Screw Finish:             | Black Oxide                                    |
| Dynamic Torque Reversing:     | 10 lb-in (1.13 Nm)                               | ISO 9001:2015:            | Certified                                      |
| Torsional Stiffness:          | 87 lb-in/Deg (9.8 Nm/Deg)                        | REACH:                    | Compliant                                      |
| Angular Misalignment:         | 3.0 deg  | RoHS3:                    | Compliant                                      |
| Parallel Misalignment:        | 0.008 in (0.20 mm)                               | Conflict Minerals:        | Compliant                                      |
| Axial Motion:                 | 0.020 in (0.51 mm)                               | Tariff Code:              | 8483.60.8000                                   |
| Bellows Attachment Method:    | Epoxy  | Length Tolerance:         | +/- 0.030 in (0.76 mm)                         |
| Static Torque:                | 40 lb-in (4.5 Nm)                                |                           |  |

|                  |   |
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| <b>COMPONENT</b> | <b>Bellows Coupling Standard Length</b> |
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**BCL12-8MM-1/4"-A**  
**Ruland**  
8mm X 1/4" Bores, 0.750" (19.1mm), Od,  
1.355" (34.4 Mm) Length, Bellows  
Coupling, Increased Misalignment,  
Aluminum

|             |
|-------------|
| UNIT        |
| Inch/Metric |
| SHEET       |