



|                                   |                                     |                              |                       |
|-----------------------------------|-------------------------------------|------------------------------|-----------------------|
| O.D. (D):                         | 0.750 in (19.1 mm)                  | Seating Torque:              | 1.21 Nm               |
| Brand:                            | Ruland                              | Bore Tolerance:              | +0.001 in / -0.000 in |
| 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):                   | 0.3125 in             |
| Shaft Tolerance:                  | +0.0000 in / -0.0005 in             | Bore (B2):                   | 0.2500 in             |
| Zero-Backlash?:                   | Yes                                 | Keyway:                      | No                    |
| Balanced Design:                  | Yes                                 | B1 Max Shaft<br>Penetration: | 0.570 in              |
| UNSPC:                            | 31163018                            | Length (L):                  | 1.355 in (34.4 mm)    |
| Maximum Speed:                    | 10000 RPM                           | B2 Max Shaft<br>Penetration: | 0.570 in              |
| Cap Screw:                        | M2.5                                | Screw Material:              | Alloy Steel           |
| Dynamic Torque Non-<br>Reversing: | 20 lb-in                            | Screw Finish:                | Black Oxide           |
| Dynamic Torque<br>Reversing:      | 10 lb-in                            | ISO 9001:2015:               | Certified             |
| Torsional Stiffness:              | 87 lb-in/Deg                        | REACH:                       | Compliant             |
| Angular Misalignment:             | 3.0 deg                             | RoHS3:                       | Compliant             |
| Parallel Misalignment:            | 0.008 in                            | Conflict Minerals:           | Compliant             |
| Axial Motion:                     | 0.020 in                            | Tariff Code:                 | 8483.60.8000          |
| Bellows Attachment<br>Method:     | Epoxy                               | Length Tolerance:            | +/- 0.030 in          |
| Static Torque:                    | 40 lb-in                            |                              |                       |

COMPONENT

Bellows Coupling Standard  
Length



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**BCL12-5-4-A**  
**Ruland**  
5/16" X 1/4" Bores, 0.750", Od, 1.355"  
Length, Bellows Coupling, Increased  
Misalignment, Aluminum

|       |
|-------|
| UNIT  |
| Inch  |
| SHEET |