



|                               |                                               |                           |                                             |
|-------------------------------|-----------------------------------------------|---------------------------|---------------------------------------------|
| O.D. (D):                     | 2.750 in (69.9 mm)                            | Dynamic Torque Reversing: | 231.3 lb-in (26.13 Nm)                      |
| Brand:                        | Ruland                                        | Hex Wrench Size:          | 6.0 mm                                      |
| Maximum Speed:                | 10000 RPM                                     | Screw Finish:             | Black Oxide                                 |
| Zero-Backlash?:               | Yes                                           | Material:                 | Aluminum                                    |
| Balanced Design:              | Yes                                           | Bore (B1):                | 1.2500 in                                   |
| UNSPC:                        | 31163018                                      | Bore (B2):                | 25 mm                                       |
| Cap Screw:                    | M8                                            | Keyway:                   | No                                          |
| Static Torque:                | 925 lb-in (104.5 Nm)                          | B1 Max Shaft Penetration: | 1.582 in (40.2 mm)                          |
| Dynamic Torque Non-Reversing: | 462.5 lb-in (52.25 Nm)                        | B2 Max Shaft Penetration: | 1.582 in (40.2 mm)                          |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)                | Screw Material:           | Alloy Steel                                 |
| Angular Misalignment:         | 2.0 deg                                       | Bore Tolerance:           | +0.001 in / -0.000 in (+0.03 mm / -0.00 mm) |
| Torsional Stiffness:          | 2100 lb-in/Deg (237 Nm/Deg)                   | Length (L):               | 3.431 in (87.1 mm)                          |
| Parallel Misalignment:        | 0.012 in (0.30 mm)                            | ISO 9001:2015:            | Certified                                   |
| Axial Motion:                 | 0.030 in (0.76 mm)                            | REACH:                    | Compliant                                   |
| Bellows Attachment Method:    | Epoxy                                         | RoHS3:                    | Compliant                                   |
| Length Tolerance:             | +/- 0.030 in (0.76 mm)                        | Conflict Minerals:        | Compliant                                   |
| Recommended Hex Key:          | Metric Hex Keys                               | Tariff Code:              | 8483.60.8000                                |
| B1 Min Shaft Penetration:     | 0.750 in (19.1 mm)                            | Number of Screws:         | 2 ea                                        |
| Product Group:                | Bellows Coupling Standard Length              | Seating Torque:           | 39 Nm                                       |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in +0.000 mm / -0.013 mm | B2 Min Shaft Penetration: | 0.750 in (19.1 mm)                          |

COMPONENT

Bellows Coupling Standard Length



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**BC44-1 1/4"-25MM-A**  
**Ruland**  
1 1/4" X 25mm Bores, 44.5mm Od, 56.4mm  
Length, Bellows Coupling, High Stiffness,  
Aluminum

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