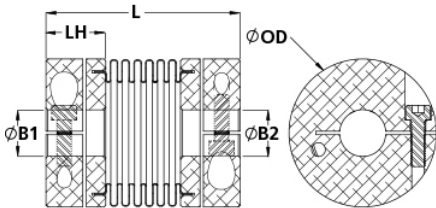






|                              |                                    |
|------------------------------|------------------------------------|
| Brand                        | Ruland                             |
| Screw Material               | Alloy Steel                        |
| Material                     | Aluminum                           |
| Bore (B1)                    | 16 mm                              |
| Bore (B2)                    | 13 mm                              |
| Keyway                       | No                                 |
| B1 Max Shaft Penetration     | 23.7 mm                            |
| B2 Max Shaft Penetration     | 23.7 mm                            |
| Seating Torque               | 2.1 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)                     | 1.313 in (33.3 mm)                 |
| Length (L)                   | 1.962 in (49.8 mm)                 |
| Static Torque                | 13.6 Nm                            |
| Maximum Speed                | 10000 RPM                          |
| Product Group                | Bellows Coupling - Extended Length |
| Shaft Tolerance              | +0.000 mm / -0.013 mm              |
| Zero-Backlash?               | Yes                                |
| Balanced Design              | Yes                                |
| UNSPC                        | 31163018                           |
| Cap Screw                    | M3                                 |
| Dynamic Torque Non-Reversing | 6.80 Nm                            |
| Dynamic Torque Reversing     | 3.40 Nm                            |
| Hex Wrench Size              | 2.5 mm                             |
| Torsional Stiffness          | 33.9 Nm/Deg                        |
| Angular Misalignment         | 3.0 deg                            |
| Parallel Misalignment        | 0.30 mm                            |
| Axial Motion                 | 0.81 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 - Extended Length



Pacific International Bearing, Inc.  
33258 Central Ave, Union City, CA 94587 1-800-228-8895,  
510-512-7000,  
info@pibsales.com  
www.pibsales.com

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**MBCL33-16-13-A**  
**Ruland**  
16mm X 13mm Bellows Coupling Bores, 33.3mm Od., 49.8mm  
Length, Bellows Coupling, Clamp Style, Aluminum

UNIT

Metric

SHEET