



|                                   |                                     |                              |                     |
|-----------------------------------|-------------------------------------|------------------------------|---------------------|
| O.D. (D):                         | 1.625 in (41.3 mm)                  | Static Torque:               | 28.0 Nm             |
| Brand:                            | Ruland                              | Number of Screws:            | 2 ea                |
| Seating Torque:                   | 4.6 Nm                              | Bore Tolerance:              | +0.03 mm / -0.00 mm |
| Product Group:                    | Bellows Coupling<br>Standard Length | Material:                    | Aluminum            |
| Shaft Tolerance:                  | +0.000 mm / -0.013 mm               | Bore (B1):                   | 20 mm               |
| Zero-Backlash?:                   | Yes                                 | Bore (B2):                   | 20 mm               |
| Balanced Design:                  | Yes                                 | Keyway:                      | Yes                 |
| UNSPC:                            | 31163018                            | Keyway (K1):                 | 6 mm                |
| Cap Screw:                        | M4                                  | Keyway (K2):                 | 6 mm                |
| Hex Wrench Size:                  | 3.0 mm                              | B2 Max Shaft<br>Penetration: | 24.0 mm             |
| Dynamic Torque<br>Reversing:      | 7.00 Nm                             | B1 Max Shaft<br>Penetration: | 24.0 mm             |
| Dynamic Torque Non-<br>Reversing: | 14.00 Nm                            | Length (L):                  | 2.035 in (51.7 mm)  |
| Torsional Stiffness:              | 63 Nm/Deg                           | Screw Material:              | Alloy Steel         |
| Angular Misalignment:             | 2.0 deg                             | Screw Finish:                | Black Oxide         |
| Parallel Misalignment:            | 0.25 mm                             | ISO 9001:2015:               | Certified           |
| Axial Motion:                     | 0.50 mm                             | REACH:                       | Compliant           |
| Bellows Attachment<br>Method:     | Epoxy                               | RoHS3:                       | Compliant           |
| Length Tolerance:                 | +/- 0.76 mm                         | Conflict Minerals:           | Compliant           |
| Maximum Speed:                    | 10000 RPM                           | Tariff Code:                 | 8483.60.8000        |
| Temperature:                      | -40°F to 200°F (-40°C to<br>93°C)   | Recommended Hex<br>Key:      | Metric Hex Keys     |

COMPONENT

Bellows Coupling Standard  
Length



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**MBCK41-20-20-A**  
**Ruland**  
20mm X 20mm Bores, 41.3mm Od, 51.7mm  
Length, Bellows Coupling With Keyways,  
High Stiffness, Aluminum

|        |
|--------|
| UNIT   |
| Metric |
| SHEET  |