



|                               |                                 |                           |                                                  |
|-------------------------------|---------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 0.787 in (20.0 mm)              | Seating Torque:           | 2.1 Nm                                           |
| Brand:                        | Ruland                          | Length (L):               | 1.102 in (28.0 mm)                               |
| UNSPC:                        | 31163003                        | B2 Max Shaft Penetration: | 0.535 in (13.6 mm)                               |
| Temperature:                  | -40°F to 225°F (-40°C to 107°C) | Material:                 | Aluminum                                         |
| Country of Origin:            | USA                             | Bore (B1):                | 0.1875 in                                        |
| Product Group:                | 4 Beam Couplings Clamp          | Bore (B2):                | 0.1875 in                                        |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in         | Keyway:                   | No                                               |
| Zero-Backlash?:               | Yes                             | B1 Max Shaft Penetration: | 0.535 in (13.6 mm)                               |
| Balanced Design:              | Yes                             | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.025 mm / -0.000 mm) |
| Cap Screw:                    | M3                              | Number of Screws:         | 2 ea                                             |
| Hex Wrench Size:              | 2.5 mm                          | Screw Material:           | Alloy Steel                                      |
| Static Torque:                | 1.30 Nm                         | Screw Finish:             | Black Oxide                                      |
| Dynamic Torque Non-Reversing: | 0.65 Nm                         | ISO 9001:2015:            | Certified                                        |
| Dynamic Torque Reversing:     | 0.33 Nm                         | REACH:                    | Compliant                                        |
| Torsional Stiffness:          | 2.01 Deg/Nm                     | RoHS3:                    | Compliant                                        |
| Angular Misalignment:         | 3.0 deg                         | Conflict Minerals:        | Compliant                                        |
| Parallel Misalignment:        | 0.20 mm                         | Tariff Code:              | 8483.60.8000                                     |
| Maximum Speed:                | 6000 RPM                        | Axial Motion:             | 0.13 mm                                          |

|           |                              |
|-----------|------------------------------|
| COMPONENT | MW Series Four Beam Coupling |
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**MWC20-3/16"-3/16"-A**  
**Ruland**  
3/16" X 3/16" Bores, 0.787" (20.0mm) Od  
1.102" (28.0mm) Length, Four Beam  
Coupling, Aluminum Set Screw Style

UNIT

Inch

SHEET