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|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 1.000 in (25.4 mm)                               | Seating Torque:           | 4.6 Nm                                           |
| Brand:                        | Ruland                                           | Screw Material:           | Alloy Steel                                      |
| Hex Wrench Size:              | 3.0 mm                                           | Number of Screws:         | 2 ea                                             |
| Temperature:                  | -40°F to 350°F (-40°C to 176°C)                  | Material:                 | 303 Stainless Steel                              |
| Country of Origin:            | USA                                              | Bore (B1):                | 7 mm                                             |
| Product Group:                | P-Series 4 Beam Couplings Clamp                  | Bore (B2):                | 0.2500 in                                        |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | Keyway:                   | No                                               |
| Zero-Backlash?:               | Yes                                              | B1 Max Shaft Penetration: | 0.579 in (14.7 mm)                               |
| Balanced Design:              | Yes                                              | B2 Max Shaft Penetration: | 0.579 in (14.7 mm)                               |
| Maximum Speed:                | 6000 RPM                                         | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.025 mm / -0.000 mm) |
| UNSPC:                        | 31163003                                         | Screw Finish:             | Black Oxide                                      |
| Static Torque:                | 49.0 lb-in (5.54 Nm)                             | ISO 9001:2015:            | Certified                                        |
| Dynamic Torque Non-Reversing: | 24.5 lb-in (2.77 Nm)                             | REACH:                    | Compliant                                        |
| Dynamic Torque Reversing:     | 12.3 lb-in (1.39 Nm)                             | RoHS3:                    | Compliant                                        |
| Torsional Stiffness:          | 0.079 Deg/lb-in (0.70 Deg/Nm)                    | Conflict Minerals:        | Compliant                                        |
| Angular Misalignment:         | 3.0 deg                                          | Tariff Code:              | 8483.60.8000                                     |
| Parallel Misalignment:        | 0.015 in (0.38 mm)                               | Axial Motion:             | 0.010 in (0.25 mm)                               |
| Cap Screw:                    | M4                                               |                           |                                                  |

|           |                             |
|-----------|-----------------------------|
| COMPONENT | P-Series Four Beam Coupling |
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**PCR16-7MM-1/4"-SS**  
**Ruland**  
7mm X 1/4" Bores, 1.000" Od, 1.250" Length,  
Four Beam Coupling, Stainless Steel Set  
Screw Style

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