



|                               |                                                  |                           |                                                  |
|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 1.125 in (28.6 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):                | 8 mm                                             |
| Product Group:                | P-Series 4 Beam Couplings Clamp                  | Bore (B2):                | 0.3125 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: | 0.695 in (17.6 mm)                               |
| Balanced Design:              | Yes                                              | B2 Max Shaft Penetration: | 0.695 in (17.6 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:                | 60.0 lb-in (6.78 Nm)                             | ISO 9001:2015:            | Certified                                        |
| Dynamic Torque Non-Reversing: | 30 lb-in (3.39 Nm)                               | REACH:                    | Compliant                                        |
| Dynamic Torque Reversing:     | 15 lb-in (1.70 Nm)                               | RoHS3:                    | Compliant                                        |
| Torsional Stiffness:          | 0.056 Deg/lb-in (0.50 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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**PCR18-8MM-5/16"-SS**  
**Ruland**  
8mm X 5/16" Bores, 1.125" Od, 1.500"  
Length, Four Beam Coupling, Stainless  
Steel Set Screw Style

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