





|                              |                                               |
|------------------------------|-----------------------------------------------|
| Brand                        | Ruland                                        |
| Screw Material               | Alloy Steel                                   |
| Material                     | Aluminum                                      |
| Bore (B1)                    | 10 mm                                         |
| Bore (B2)                    | 0.3750 in                                     |
| Keyway                       | No                                            |
| B1 Max Shaft Penetration     | 0.695 in (17.6 mm)                            |
| B2 Max Shaft Penetration     | 0.695 in (17.6 mm)                            |
| Number of Screws             | 2 ea                                          |
| O.D. (D)                     | 1.125 in (28.6 mm)                            |
| Screw Finish                 | Black Oxide                                   |
| ISO 9001:2015                | Certified                                     |
| REACH                        | Compliant                                     |
| RoHS3                        | Compliant                                     |
| Conflict Minerals            | Compliant                                     |
| Tariff Code                  | 8483.60.8000                                  |
| Bore Tolerance               | +0.001 in / -0.000 in (+0.025 mm / -0.000 mm) |
| Seating Torque               | 4.6 Nm                                        |
| UNSPC                        | 31163003                                      |
| Cap Screw                    | M4                                            |
| Temperature                  | -40°F to 225°F (-40°C to 107°C)               |
| Country of Origin            | USA                                           |
| Product Group                | P-Series 4 Beam Couplings Clamp               |
| Shaft Tolerance              | +0.0000 in / -0.0005 in +0.000 mm / -0.013 mm |
| Zero-Backlash?               | Yes                                           |
| Balanced Design              | Yes                                           |
| Hex Wrench Size              | 3.0 mm                                        |
| Maximum Speed                | 6000 RPM                                      |
| Static Torque                | 40.0 lb-in (4.52 Nm)                          |
| Dynamic Torque Non-Reversing | 20 lb-in (2.25 Nm)                            |
| Dynamic Torque Reversing     | 10 lb-in (1.13 Nm)                            |
| Torsional Stiffness          | 0.141 Deg/lb-in (1.25 Deg/Nm)                 |
| Angular Misalignment         | 3.0 deg                                       |
| Parallel Misalignment        | 0.015 in (0.38 mm)                            |
| Axial Motion                 | 0.010 in (0.25 mm)                            |



COMPONENT

P-Series Four Beam Coupling



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**PCR18-10MM-3/8"-A**  
**Ruland**  
10mm X 3/8" Bores, 1.125" Od, 1.500" Length, Four Beam  
Coupling, Aluminum Set Screw Style

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