



|                               |                                     |                           |                       |
|-------------------------------|-------------------------------------|---------------------------|-----------------------|
| O.D. (D):                     | 1.250 in (31.8 mm)                  | Hex Wrench Size:          | 3.0 mm                |
| Brand:                        | Ruland                              | Bore Tolerance:           | +0.025 mm / -0.000 mm |
| UNSPC:                        | 31163003                            | Number of Screws:         | 4 ea                  |
| Maximum Speed:                | 6000 RPM                            | Tariff Code:              | 8483.60.8000          |
| Temperature:                  | -40°F to 225°F (-40°C to 107°C)     | Conflict Minerals:        | Compliant             |
| Country of Origin:            | USA                                 | RoHS3:                    | Compliant             |
| Product Group:                | P-Series 4 Beam Couplings Set Screw | REACH:                    | Compliant             |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm               | ISO 9001:2015:            | Certified             |
| Zero-Backlash?:               | Yes                                 | Screw Finish:             | Black Oxide           |
| Seating Torque:               | 7.2 Nm                              | Screw Material:           | Alloy Steel           |
| Forged Set Screw:             | M6                                  | B2 Max Shaft Penetration: | 17.6 mm               |
| Static Torque:                | 5.88 Nm                             | B1 Max Shaft Penetration: | 17.6 mm               |
| Dynamic Torque Non-Reversing: | 2.94 Nm                             | Keyway:                   | No                    |
| Dynamic Torque Reversing:     | 1.47 Nm                             | Bore (B2):                | 9 mm                  |
| Torsional Stiffness:          | 1.10 Deg/Nm                         | Bore (B1):                | 10 mm                 |
| Angular Misalignment:         | 3.0 deg                             | Material:                 | Aluminum              |
| Parallel Misalignment:        | 0.38 mm                             | Axial Motion:             | 0.25 mm               |

COMPONENT

P-Series Four Beam Coupling



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**PSMR32-10-9-A**  
**Ruland**  
10mm X 9mm Bores, 31.8mm Od, 38.1mm  
Length, Four Beam Coupling, Aluminum  
Set Screw Style

UNIT

Metric

SHEET