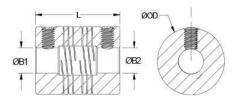




PSR10-3-2.5-SS

Ruland PSR10-3-2.5-SS, 3/16" x 5/32" Four Beam Coupling, Stainless Steel, Set Screw Style, 0.625" OD, 0.800" Length





Description

Ruland PSR10-3-2.5-SS is a set screw style four beam coupling with 0.1875" x 0.1563" bores, 0.625" OD, and 0.800" length. It is machined from a single piece of material and feature two sets of two spiral cuts. This gives it higher torque capacity, lower windup, and larger body sizes than single beam couplings. PSR10-3-2.5-SS is zero-backlash and has a balanced design for reduced vibration at high speeds of up to 6,000 RPM. This four beam spiral coupling is zero-backlash and has a balanced design for reduced vibration at high speeds of up to 6,000 RPM. All hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. PSR10-3-2.5-SS is made from 303 stainless steel for increased torque capacity. It is machined from bar stock that is sourced exclusively from North American mills and ROHS3 and REACH compliant. PSR10-3-2.5-SS is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

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| UPC | 634529051047 |
| UNSPC | 31163003 |
| t maximum misalignment. | |
| are for guidance only. The us | ser must determine suitability for a particular application. |
| l conditions the hubs are capa es, especially when the smalle on the shaft is possible below | e physical limitations/failure point of the machined beams. able of holding up to the rated torque of the machined lest standard bores are used or where shafts are w the rated torque of the machined beams. Please consult |
| f California to cause cancer, a | emicals including Ethylene Thiourea and Nickel (metallic), and Ethylene Thiourea known to the State of California to or more information go to <u>www.P65Warnings.ca.gov</u> . |
| | I conditions the hubs are capa es, especially when the small on the shaft is possible belo more assistance. product can expose you to ch of California to cause cancer, |

determine if the misalignment parameters are within the limits of the coupling. (Angular

Misialignment: 3°, Parallel Misalignment: 0.008 in, Axial Motion: 0.005 in)

- 2. Fully tighten the M3 screws on one hub to the recommended seating torque of 0.92 Nm using a 1.5 mm hex torque wrench.
- 3. Before tightening the screws on the second hub, rotate the coupling by hand to allow it to reach its free length.
- Tighten the screws on the second hub to the recommended seating torque. Make sure the coupling remains axially relaxed and the misalignment angle remains centered along the length of the coupling.
- 5. The shafts may extend into the relieved portion of the bore as long as it does not exceed the shaft penetration length of 0.377 in.