



|                               |                              |                           |  |
|-------------------------------|------------------------------|---------------------------|--|
| O.D. (D):                     | 0.630 in (16.0 mm)           | Hex Wrench Size:          | 1.5 mm   |
| Brand:                        | Ruland                       | Length (L):               | 0.778 in (19.8 mm)                               |
| Dynamic Torque Non-Reversing: | 7.5 lb-in (0.85 Nm)          | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.020 mm / -0.000 mm) |
| Finish Specification:         | SurTec 650                   | Material:                 | Aluminum   |
| Zero-Backlash?:               | Yes                          | Bore (B1):                | 0.2500 in  |
| Balanced Design:              | Yes                          | Bore (B2):                | 4 mm   |
| UNSPC:                        | 31163003                     | B1 Max Shaft Penetration: | 0.311 in (7.9 mm)                                |
| Clearance Diameter (C) MAX:   | 0.709 in (18.0 mm)           | B2 Max Shaft Penetration: | 0.311 in (7.9 mm)                                |
| Cap Screw:                    | M2                           | Screw Material:           | 18-8 300 Series Stainless Steel                  |
| Dynamic Torque Reversing:     | 4.9 lb-in (0.55 Nm)          | Seating Torque:           | 0.36 Nm  |
| Maximum Speed:                | 10000 RPM                    | Screw Finish:             | Bright   |
| Torsional Stiffness:          | 10.6 lb-in/Deg (1.2 Nm/Deg)  | ISO 9001:2015:            | Certified  |
| Angular Misalignment:         | 2.5 deg                      | REACH:                    | Compliant  |
| Parallel Misalignment:        | 0.004 in (0.10 mm)           | RoHS3:                    | Compliant  |
| Axial Motion:                 | 0.016 in (0.40 mm)           | Conflict Minerals:        | Compliant  |
| Peak Torque:                  | 11.1 in-lb (1.25 Nm)         | Tariff Code:              | 8483.60.8000                                     |
| Moment of Inertia:            | 0.0009903 lb-in <sup>2</sup> | Number of Screws:         | 2  |
| Country of Origin:            | Ireland                      | Material Specification:   | 7075-T651 Bar                                    |

|           |               |
|-----------|---------------|
| COMPONENT | Slit Coupling |
|-----------|---------------|



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**RSC10-1/4"-4MM-A**  
**Ruland**  
0.250" X 4mm Short Slit Coupling, 0.630"  
(16.0mm) Od, 0.778" (19.8mm) Length,  
Aluminum, Clamp Style

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