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|-------------------------------|--------------------------------------------------|---------------------------|---------------------|
| O.D. (D):                     | 2.000 in (50.8 mm)                               | Number of Screws:         | 2 ea                |
| Brand:                        | Ruland                                           | Conflict Minerals:        | Compliant           |
| Note:                         | Stainless steel hubs are available upon request. | Length (L):               | 2.519 in (64.0 mm)  |
| Balanced Design:              | Yes                                              | Keyway (K2):              | 4 mm                |
| Seating Torque:               | 9.5 Nm                                           | Material:                 | Aluminum            |
| Hex Wrench Size:              | 4.0 mm                                           | Bore (B1):                | 18 mm               |
| Maximum Speed:                | 10000 RPM                                        | Bore (B2):                | 12 mm               |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)                   | Keyway:                   | Yes                 |
| Country of Origin:            | USA                                              | Keyway (K1):              | 6 mm                |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm                            | B1 Max Shaft Penetration: | 30.3 mm             |
| UNSPC:                        | 31163008                                         | RoHS3:                    | Compliant           |
| Tariff Code:                  | 8483.60.8000                                     | B2 Max Shaft Penetration: | 30.3 mm             |
| Static Torque:                | 39.6 Nm                                          | Bore Tolerance:           | +0.03 mm / -0.00 mm |
| Dynamic Torque Non-Reversing: | 19.80 Nm                                         | Screw Material:           | Alloy Steel         |
| Dynamic Torque Reversing:     | 9.90 Nm                                          | Screw Finish:             | Black Oxide         |
| Torsional Stiffness:          | 67.2 Nm/Deg                                      | Forged Clamp Screw:       | M5                  |
| Angular Misalignment:         | 2.0 deg                                          | ISO 9001:2015:            | Certified           |
| Parallel Misalignment:        | 0.30 mm                                          | REACH:                    | Compliant           |
| Axial Motion:                 | 0.64 mm                                          | Recommended Hex Key:      | Metric Hex Keys     |

|           |                        |
|-----------|------------------------|
| COMPONENT | Disc Coupling - Double |
|-----------|------------------------|



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**MDCDK51-18-12-A**  
**Ruland**  
18mm X 12mm Bores, 50.8mm Od, 64.0mm  
Length, 6mm X 4mm Keyways, Clamp  
Double Disc Coupling, Anodized  
Aluminum Hubs, Stainless Steel Disc  
Springs, And A Center Spacer

|        |
|--------|
| UNIT   |
| Metric |
| SHEET  |