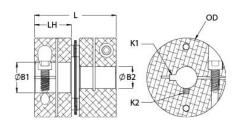




MDCSK25-10-8-A

Ruland MDCSK25-10-8-A, 10mm x 8mm Single Disc Coupling, Aluminum, Clamp Style With Keyway, 25.4mm OD, 26.2mm Length





Description

Ruland MDCSK25-10-8-A is a clamp single disc coupling with 10mm x 8mm bores, 25.4mm OD, 26.2mm length, and 3mm x 2mm keyways. It is zero-backlash and has a balanced design for reduced vibration at high speeds. The single disc design is comprised of two anodized aluminum hubs and two sets of thin stainless steel disc springs which can accommodate angular misalignment and axial motion, however does not allow for any parallel misalignment. MDCSK25-10-8-A is lightweight and has low inertia making it well suited for applications with speeds up to 10,000 RPM. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. Ruland manufactures MDCSK25-10-8-A to be torisionally rigid and an excellent fit for precise positioning stepper servo applications commonly found in semiconductor, solar, printing, machine tool, and test and measurement systems. It is machined from solid bar stock that is sourced exclusively from North American mills and RoHS3 and REACH compliant. MDCSK25-10-8-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes

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Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment.	r roduct opecifications								
BI Max Shaft Penetration Outer Diameter (OD) 25.4 mm Bore Tolerance +0.03 mm / -0.00 mm Length (L) 26.2 mm Hub Width (LH) 11.8 mm Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10°6 kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW-BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Waterial Specification Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. In s cases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Bore (B1)	10 mm	Small Bore (B2)	8 mm					
Outer Diameter (OD) 25.4 mm Bore Tolerance +0.03 mm / -0.00 mm Length (L) 26.2 mm Hub Width (LH) 11.8 mm Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10 ⁻⁶ kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize <	Keyway (K1)	3 mm	Keyway (K2)	2 mm					
Length (L) 26.2 mm Hub Width (LH) 11.8 mm Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10 ⁻⁶ kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of where shafts are undersized, slippage	B1 Max Shaft Penetration	12.7 mm	B2 Max Shaft Penetration	12.7 mm					
Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10° kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are for guidance only. The user must determine suitability for a particular application Note 4 Forgue ratings for the couplings are based on the physical limitations/failure point of the disc springs. I unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. I unormal/typical conditions the hubs are used or where shafts are undersized, slippage	Outer Diameter (OD)	25.4 mm	Bore Tolerance	+0.03 mm / -0.00 mm					
Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10 ⁻⁶ kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Usics Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC	Length (L)	26.2 mm	Hub Width (LH)	11.8 mm					
Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10°6 kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. In s cases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm	Forged Clamp Screw	M3					
Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10 ⁻⁶ kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 roque of the disc springs. U scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Screw Material	Alloy Steel	Hex Wrench Size	2.5 mm					
Angular Misalignment 1.0° Dynamic Torque Non-Reversing 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10 ⁻⁶ kg-m ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular applicatic Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Screw Finish	Black Oxide	Seating Torque	2.1 Nm					
Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10°6 kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring	Number of Screws	2 ea	Dynamic Torque Reversing	1.40 Nm					
Axial Motion O.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.546 x 10-6 kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) O.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application or manuflytypical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Angular Misalignment	1.0°	Dynamic Torque Non-Reversing	2.80 Nm					
Moment of Inertia 2.546 x 10 ⁻⁶ kg-m ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In s cases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Parallel Misalignment	0.00 mm	Static Torque	5.6 Nm					
Zero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-1R-1/4-18.3Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.062100UPC634529200872Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Torque ratings are at maximum misalignment.Note 3Performance ratings are for guidance only. The user must determine suitability for a particular application.Note 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. In sommal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In sommal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In sommal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In sommal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In sommal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In sommal/typical conditions the smallest standard bores are used or where shafts are undersized, slippage	Axial Motion	0.15 mm	Torsional Stiffness	10.6 Nm/Deg					
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Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum B Disc Springs: Type 302 Stainle Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8625 II, Class 2 and ASTM B580 Ty Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the disc springs. Use and the physical limitations/failure point of the disc springs. Use and the physical limitations/failure point of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Zero-Backlash?	Yes	Balanced Design	Yes					
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Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application Note 4 Torque ratings are based on the physical limitations/failure point of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Full Bearing Support Required?	Yes	Material Specification	Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel					
Weight (lbs) 0.062100 UPC 634529200872 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Temperature	-40°F to 200°F (-40°C to 93°C)	Finish Specification	Sulfuric Anodized MIL-A-8625 Type II, Class 2 and ASTM B580 Type B Black Anodize					
Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Manufacturer	Ruland Manufacturing	Country of Origin	USA					
Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the disc springs. Under the couplings are based on the physical limitations/failure point of the disc springs. Under a capable of holding up to the rated torque of the disc springs. In second or where shafts are undersized, slippage	Weight (lbs)	0.062100	UPC	634529200872					
Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Unormal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Tariff Code	8483.60.8000	UNSPC	31163008					
Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application of the 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Use normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In scases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Note 1	Stainless steel hubs are available	ess steel hubs are available upon request.						
Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. U normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In s cases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Note 2	Torque ratings are at maximum misalignment.							
normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In s cases, especially when the smallest standard bores are used or where shafts are undersized, slippage	Note 3	Performance ratings are for guidance only. The user must determine suitability for a particular application.							
	Note 4	normal/typical conditions the hubs cases, especially when the smalles	are capable of holding up to the rated st standard bores are used or where	d torque of the disc springs. In some shafts are undersized, slippage on the					

torque capacity in the shaft/hub connection when required. Please consult technical support for more assistance.

Prop 65

MARNING This product can expose you to chemicals including Ethylene Thiourea and Nickel (metallic), known to the State of California to cause cancer, and Ethylene Thiourea known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Installation Instructions

- Align the bores of the MDCSK25-10-8-A single disc coupling on the shafts that are to be joined and determine if the misalignment parameters are within the limits of the coupling. (*Angular Misialignment*: 1.0°, *Parallel Misalignment*: 0.00 mm, *Axial Motion*: 0.15 mm)
- 2. Fully tighten the M3 screw on the first hub to the recommended seating torque of 2.1 Nm using a 2.5 mm hex torque wrench.
- 3. Before tightening the screw on the second hub, rotate the coupling by hand to allow it to reach its free length.
- 4. Tighten the screw 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 12.7 mm.