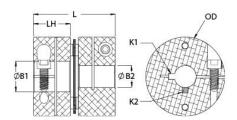




MDCSK25-12-12-A

Ruland MDCSK25-12-12-A, 12mm x 12mm Single Disc Coupling, Aluminum, Clamp Style With Keyway, 25.4mm OD, 26.2mm Length





Description

Ruland MDCSK25-12-12-A is a clamp single disc coupling with 12mm x 12mm bores, 25.4mm OD, 26.2mm length, and 4mm x 4mm 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. MDCSK25-12-12-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 MDCSK25-12-12-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. MDCSK25-12-12-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL. II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.054500 UPC 634529200971 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 at Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	Product Specifications			
B1 Max Shaft Penetration 11.8 mm B2 Max Shaft Penetration 11.8 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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (Ibs) 0.054500 UPC 634529200971 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 a Note 4 Torque ratings are a taximum misalignment. Note 4 Torque reatings are for guidance only. The user must determine suitability for a particular a Note 4 Torque reatings are a taximum misalignment.	Bore (B1)	12 mm	Small Bore (B2)	12 mm
Duter Diameter (OD) 25.4 mm Bore Tolerance +0.03 mm / -0.00 mm / -0.00 mm / -0.00 mm / -0.00 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 Non-Reversing 2.80 Nm Parallel Misalignment 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.458 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 Uisc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (Ibs) 0.054500 UPC 634529200971 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 a Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, s	Keyway (K1)	4 mm	Keyway (K2)	4 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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MILL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 a Note 4 Foreign are used or where shafts are undersized, sepacially when the smallest standard bores are used or where shafts are undersized, sepacially when the smallest standard bores are used or where shafts are undersized, sepacially when the smallest standard bores are used or where shafts are undersized, sepacially when the smallest standard bores are used or where shafts are undersized, sepacial mixed torque of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, sepacially when the smallest standard bores are used or where shafts are undersized, sepacial process of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, sepacial process of the disc sprincases of the disc sprincases of the disc sprincases of the disc sprincases of	B1 Max Shaft Penetration	11.8 mm	B2 Max Shaft Penetration	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 Non-Reversing 2.80 Nm Parallel Misalignment 0.05 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (lbs) 0.054500 UPC 634529200971 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 at Note 4 Torque ratings are for guidance only. The user must determine suitability for a particular as Note 4 Torque ratings are for guidance only. The user must determine suitability for a particular as Note 4 Torque ratings are for guidance only. The user must determine suitability for a particular as Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spin cormal/typical conditions the hubs are capable of holding up to the rated torque of the disc spin cases, especially when the smallest standard bores are used or where shafts are undersized, s	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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL. II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.054500 UPC 634529200971 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are availabl	Length (L)	26.2 mm	Hub Width (LH)	11.8 mm
Screw Finish 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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.054500 UPC 634529200971 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 at Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular at Note 4 Torque ratings are for guidance only. The user must determine suitability for a particular at Note 4 Torque ratings are for guidance only. The user must determine suitability for a particular at Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (lbs) 0.054500 UPC 634529200971 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 at normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	Screw Material	Alloy Steel	Hex Wrench Size	2.5 mm
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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 at the promomal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, s	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 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 at normal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin cases, especially when the smallest standard bores are used or where shafts are undersized, s	Number of Screws	2 ea	Dynamic Torque Reversing	1.40 Nm
Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 at Mote 3 Performance ratings for the couplings are based on the physical limitations/failure point of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, s	Angular Misalignment	1.0°	Dynamic Torque Non-Reversing	2.80 Nm
Moment of Inertia 2.458 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 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL. II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.054500 UPC 634529200971 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 at Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, so	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 Alur Disc Springs: Type 30 SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL II, Class 2 and ASTM Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.054500UPC634529200971Tariff 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 at Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized, standard bores are used or where shafts are undersized.	Axial Motion	0.15 mm	Torsional Stiffness	10.6 Nm/Deg
Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 a Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	Moment of Inertia	2.458 x 10 ⁻⁶ kg-m ²	Maximum Speed	10,000 RPM
Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alur Disc Springs: Type 30 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL. II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 at a pa	Zero-Backlash?	Yes	Balanced Design	Yes
Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL. II, Class 2 and ASTM Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.054500 UPC 634529200971 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 at Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	Torque Wrench	TW:BT-1R-1/4-18.3	Recommended Hex Key	Metric Hex Keys
Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.054500 UPC 634529200971 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 at Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprincases, especially when the smallest standard bores are used or where shafts are undersized, s	Full Bearing Support Required?	Yes	Material Specification	Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel
Weight (lbs) 0.054500 UPC 634529200971 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 at Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	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 at a suitable of the couplings are based on the physical limitations/failure point of the disc spring or the couplings are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	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 at a complete to the couplings are based on the physical limitations/failure point of the disc spin normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, s	Weight (lbs)	0.054500	UPC	634529200971
Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular at the suitable of the couplings are based on the physical limitations/failure point of the disc spont of t	Tariff Code	8483.60.8000	UNSPC	31163008
Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular a Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc sp normal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprir cases, especially when the smallest standard bores are used or where shafts are undersized, s	Note 1	Stainless steel hubs are available upon request.		
Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc sp normal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprir cases, especially when the smallest standard bores are used or where shafts are undersized, s	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 sprir cases, especially when the smallest standard bores are used or where shafts are undersized, s	Note 3	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
shall is possible below the rated torque of the disc springs. Neyways are available to provide ac	Note 4	Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage on the shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional		

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 MDCSK25-12-12-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 11.8 mm.