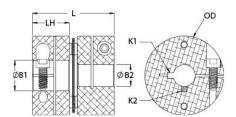




# MDCSK25-7-7-A

Ruland MDCSK25-7-7-A, 7mm x 7mm Single Disc Coupling, Aluminum, Clamp Style With Keyway, 25.4mm OD, 26.2mm Length





## **Description**

Ruland MDCSK25-7-7-A is a clamp single disc coupling with 7mm x 7mm bores, 25.4mm OD, 26.2mm length, and 2mm 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. MDCSK25-7-7-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 MDCSK25-7-7-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. MDCSK25-7-7-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

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Keyway (K1)         2 mm         Keyway (K2)         2 mm           B1 Max Shaft Penetration         12.7 mm         B2 Max Shaft Penetration         12.7 mm           Outer Diameter (OD)         25.4 mm         Bore Tolerance         +0.03 mm / -0.00 mm           Length (L)         26.2 mm         Hub Width (LH)         11.85 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 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         2.575 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?	i roddot opoomodiiono					
Date   Date	Bore (B1)	7 mm	Small Bore (B2)	7 mm		
Outer Diameter (OD)       25.4 mm       Bore Tolerance       +0.03 mm / -0.00 mm         Length (L)       26.2 mm       Hub Width (LH)       11.85 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       2.575 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 Bar, Disc Springs: Type 302 Stainless Steel         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	Keyway (K1)	2 mm	Keyway (K2)	2 mm		
Length (L)   26.2 mm	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 2.575 x 10 <sup>-6</sup> 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 Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (lbs) 0.065700 UPC 634529210536  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. 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	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 Non-Reversing 2.80 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.575 x 10 6 kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TWBT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.065700 UPC 634529210536 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 2 Torque 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. 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 th shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional	Length (L)	26.2 mm	Hub Width (LH)	11.85 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  2.575 x 10 <sup>-6</sup> 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  Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (Ibs)  0.065700  UPC  634529210536  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. Under normal/hypical 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. Expose of the shaft is possible below the rated torque of the disc springs. Is provide additional	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 2.575 x 10 <sup>-6</sup> 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 Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.065700 UPC 634529210536 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. 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	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 2.575 x 10 <sup>-6</sup> kg-m <sup>2</sup> 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 Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (lbs) 0.065700 UPC 634529210536 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. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some cases, sepecially when the smallest standard bores are used or where shafts are undersized, slippage on th shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional	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 2.575 x 10 <sup>-6</sup> 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 Siteel  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  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (Ibs) 0.065700 UPC 634529210536 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 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	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 2.575 x 10 <sup>-6</sup> kg-m <sup>2</sup> 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 Usc Springs: Type 302 Stainless Steel  Temperature  -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MilL-A-8625 Type II, Class 2 and ASTM B580 Type B Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.065700 UPC 634529210536 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 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	Angular Misalignment	1.0°	Dynamic Torque Non-Reversing	2.80 Nm		
Moment of Inertia       2.575 x 10 <sup>-6</sup> 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 Bar, Disc Springs: Type 302 Stainless Steel         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         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.065700       UPC       634529210536         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 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	Parallel Misalignment	0.00 mm	Static Torque	5.6 Nm		
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 Bar, Disc Springs: Type 302 Stainless Steel         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         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.065700       UPC       634529210536         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 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	Axial Motion		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 Finish Specification 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 Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.065700 UPC 634529210536 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. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Under 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	Moment of Inertia	2.575 x 10 <sup>-6</sup> kg-m <sup>2</sup>	Maximum Speed	10,000 RPM		
Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel  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  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (lbs) 0.065700 UPC 634529210536  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. 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	Zero-Backlash?	Yes	Balanced Design	Yes		
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  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.065700  UPC  634529210536  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. 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 Wrench	TW:BT-1R-1/4-18.3	Recommended Hex Key	Metric Hex Keys		
Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.065700 UPC 634529210536 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. 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	Full Bearing Support Required?	Yes	Material Specification	Disc Springs: Type 302 Stainless		
Weight (lbs)  0.065700  UPC 634529210536  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. 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	Temperature	-40°F to 200°F (-40°C to 93°C)	Finish Specification	II, Class 2 and ASTM B580 Type B		
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. 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	Manufacturer	Ruland Manufacturing	Country of Origin	USA		
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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. 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	Note 1	Stainless steel hubs are available upon request.				
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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	Note 3	Performance ratings are for guidance only. The user must determine suitability for a particular application.				
	Note 4	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				

#### 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 <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.

#### **Installation Instructions**

- Align the bores of the MDCSK25-7-7-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.