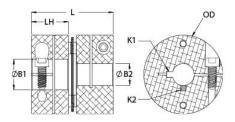




DCSK32-10-10-A

Ruland DCSK32-10-10-A, 5/8" x 5/8" Single Disc Coupling, Aluminum, Clamp Style With Keyway, 2.000" OD, 1.813" Length





Description

Ruland DCSK32-10-10-A is a clamp single disc coupling with 0.6250" x 0.6250" bores, 2.000" OD, 1.813" length, and 3/16" x 3/16" 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. DCSK32-10-10-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 DCSK32-10-10-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. DCSK32-10-10-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

| Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (Ibs)0.463200UPC634529203293Tariff 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 appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Froduct Specifications | | | |
|--|--------------------------------|---|------------------------------|--|
| B1 Max Shaft Penetration 0.874 in B2 Max Shaft Penetration 0.874 in Outer Diameter (OD) 2.000 in Bore Tolerance +0.001 in / -0.000 in Length (L) 1.813 in Hub Width (LH) 0.810 in Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw M5 Screw Material Alloy Steel Hex Wrench Size 4.0 mm Screw Finish Black Oxide Seating Torque 9.5 Nm Number of Screws 2 ea Dynamic Torque Reversing 87.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 175 lb-in Parallel Misalignment 0.00 in Static Torque 350 lb-in Axial Motion 0.012 in Torsional Stiffness 867 lb-in/Deg Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminu Disc Springs: Type 302 St Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8 II, Class 2 and ASTM ISS8 Black Anodize | Bore (B1) | 0.6250 in | Small Bore (B2) | 0.6250 in |
| Outer Diameter (OD) 2.000 in Bore Tolerance +0.001 in / -0.000 in Length (L) 1.813 in Hub Width (LH) 0.810 in Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw M5 Screw Material Alloy Steel Hex Wrench Size 4.0 mm Screw Finish Black Oxide Seating Torque 9.5 Nm Number of Screws 2 ea Dynamic Torque Reversing 87.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 175 lb-in Parallel Misalignment 0.00 in Static Torque 350 lb-in Axial Motion 0.012 in Torsional Stiffness 867 lb-in/Deg Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Full Bearing Support Required? Yes Material Specification Us: Springs: Type 302 St Steel Full Bearing Support Required? Yes Sulfuric Anodized MIL-A-8 Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.463200 UPC 634529203293 | Keyway (K1) | 3/16 in | Keyway (K2) | 3/16 in |
| Length (L) 1.813 in Hub Width (LH) 0.810 in Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw M5 Screw Material Alloy Steel Hex Wrench Size 4.0 mm Screw Finish Black Oxide Seating Torque 9.5 Nm Number of Screws 2 ea Dynamic Torque Reversing 87.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 175 lb-in Parallel Misalignment 0.00 in Static Torque 350 lb-in Axial Motion 0.012 in Torsional Stiffness 867 lb-in/Deg Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW/BT-4C-3/8-86 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminu Disc Springs: Type 302 St Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification II, Class 2 and ASTM B58 Black Anodize Maufacturier Ruland Manufacturing Country of Origin USA Weight (lbs) | B1 Max Shaft Penetration | 0.874 in | B2 Max Shaft Penetration | 0.874 in |
| Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw M5 Screw Material Alloy Steel Hex Wrench Size 4.0 mm Screw Finish Black Oxide Seating Torque 9.5 Nm Number of Screws 2 ea Dynamic Torque Reversing 87.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 175 lb-in Parallel Misalignment 0.00 in Static Torque 350 lb-in Axial Motion 0.012 in Torsional Stiffness 867 lb-in/Deg Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-86 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminu Disc Springs: Type 302 St Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification II, Class 2 and ASTM B58 Black Anodize Maufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.463200 UPC 634529203293 Tariff Code 848 | Outer Diameter (OD) | 2.000 in | Bore Tolerance | +0.001 in / -0.000 in |
| Screw MaterialAlloy SteelHex Wrench Size4.0 mmScrew FinishBlack OxideSeating Torque9.5 NmNumber of Screws2 eaDynamic Torque Reversing87.5 lb-inAngular Misalignment1.0°Dynamic Torque Non-Reversing175 lb-inParallel Misalignment0.00 inStatic Torque350 lb-inAxial Motion0.012 inTorsional Stiffness867 lb-in/DegMoment of Inertia0.2550 lb-in²Maximum Speed10,000 RPMZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 3Performance ratings are for guidance only. The user only class liability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/fail-ure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippri< | Length (L) | 1.813 in | Hub Width (LH) | 0.810 in |
| Screw FinishBlack OxideSeating Torque9.5 NmNumber of Screws2 eaDynamic Torque Reversing87.5 lb-inAngular Misalignment1.0°Dynamic Torque Non-Reversing175 lb-inParallel Misalignment0.00 inStatic Torque350 lb-inAxial Motion0.012 inTorsional Stiffness867 lb-in/DegMoment of Inertia0.2550 lb-in²Maximum Speed10,000 RPMZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slipp | Recommended Shaft Tolerance | +0.0000 in / -0.0005 in | Forged Clamp Screw | M5 |
| Number of Screws2 eaDynamic Torque Reversing87.5 lb-inAngular Misalignment1.0°Dynamic Torque Non-Reversing175 lb-inParallel Misalignment0.00 inStatic Torque350 lb-inAxial Motion0.012 inTorsional Stiffness867 lb-in/DegMoment of Inertia0.2550 lb-in²Maximum Speed10,000 RPMZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 2Torque ratings are at maximum misalignment.Yen apaticular appliNote 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs, cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Screw Material | Alloy Steel | Hex Wrench Size | 4.0 mm |
| Angular Misalignment 1.0° Dynamic Torque Non-Reversing 175 lb-in Parallel Misalignment 0.00 in Static Torque 350 lb-in Axial Motion 0.012 in Torsional Stiffness 867 lb-in/Deg Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-86 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminu Disc Springs: Type 302 St Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8 II, Class 2 and ASTIM B58 Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.463200 UPC 634529203293 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular appli Note 4 Performance ratings are for guidance only. The user douge of the disc springs, crases, especially when the smallest stand | Screw Finish | Black Oxide | Seating Torque | 9.5 Nm |
| Parallel Misalignment0.00 inStatic Torque350 lb-inAxial Motion0.012 inTorsional Stiffness867 lb-in/DegMoment of Inertia0.2550 lb-in²Maximum Speed10,000 RPMZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (Ibs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 1Note 2Torque ratings are at maximum misalignment.Note 3Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs, cases, especially when the smallest standard bores are used or where shafts are undersized, slippar | Number of Screws | 2 ea | Dynamic Torque Reversing | 87.5 lb-in |
| Axial Motion0.012 inTorsional Stiffness867 lb-in/DegMoment of Inertia0.2550 lb-in²Maximum Speed10,000 RPMZero-Backlash?YesBalanced DesignYesTorque WrenchTW;BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Angular Misalignment | 1.0° | Dynamic Torque Non-Reversing | 175 lb-in |
| Moment of Inertia 0.2550 lb-in ² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-86 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Aluminu Disc Springs: Type 302 St Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.463200 UPC 634529203293 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Note 3 Performance ratings are at maximum misalignment. Note 3 Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippartical conditions the hubs are capable of holding up to the rated torque of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slipparts | Parallel Misalignment | 0.00 in | Static Torque | 350 lb-in |
| Zero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Vet 2Note 2Torque ratings are at maximum misalignment.Note 3Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appli normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Axial Motion | 0.012 in | Torsional Stiffness | 867 lb-in/Deg |
| Torque WrenchTW:BT-4C-3/8-86Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Moment of Inertia | 0.2550 lb-in ² | Maximum Speed | 10,000 RPM |
| Full Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Aluminu Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff 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 appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Zero-Backlash? | Yes | Balanced Design | Yes |
| Disc Springs: Type 302 St SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8 II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff 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 appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Torque Wrench | TW:BT-4C-3/8-86 | Recommended Hex Key | Metric Hex Keys |
| II, Class 2 and ASTM B58 Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.463200UPC634529203293Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Torque ratings are at maximum misalignment.Note 2Torque ratings are for guidance only. The user must determine suitability for a particular appliNote 3Performance ratings are for guidance only. The user must determine suitability for a particular appliNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Full Bearing Support Required? | Yes | Material Specification | Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel |
| Weight (lbs)0.463200UPC634529203293Tariff 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 appliNote 4Torque 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 springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | 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 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 appliNote 4Torque 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 springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | 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 appli Note 4 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 springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized, slippadiate of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are undersized of the standard bores are used or where shafts are understandard bores are used or where shafts are | Weight (Ibs) | 0.463200 | UPC | 634529203293 |
| Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular appli Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippadot | Tariff Code | 8483.60.8000 | UNSPC | 31163008 |
| Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular appli Note 4 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 springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Note 1 | Stainless steel hubs are available upon request. | | |
| Note 4Torque 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 springs. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | 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. cases, especially when the smallest standard bores are used or where shafts are undersized, slippa | Note 3 | Performance ratings are for guidance only. The user must determine suitability for a particular application. | | |
| shaft is possible below the rated torque of the disc springs. Keyways are available to provide addition | 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 | WARNING 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 <u>www.P65Warnings.ca.gov</u> . | | |
| Installation Instructions | | | |
| | Align the bores of the DCSK32-10-10-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. (<i>Angular Misialignment:</i> 1.0°, <i>Parallel Misalignment:</i> 0.00 in, <i>Axial Motion:</i> 0.012 in) Fully tighten the M5 screw on the first hub to the recommended seating torque of 9.5 Nm using a 4.0 mm hex torque wrench. Before tightening the screw on the second hub, rotate the coupling by hand to allow it to reach its free length. 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. The shafts may extend into the relieved portion of the bore as long as it does not exceed the shaft penetration length of 0.874 in. | | |