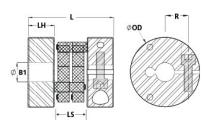




MCPRD75-32-A

Ruland MCPRD75-32-A, Controlflex Coupling Hub, Aluminum, Clamp Style, 75.0mm OD, 73.0mm Length





Description

Ruland MCPRD75-32-A is a Controlflex coupling hub with a 32mm bore, 75.0mm OD, and 73.0mm length. It is a component in a four-piece design consisting of two aluminum hubs mounted by pins to two acetal inserts creating a lightweight low inertia coupling capable of speeds up to 7,500 RPM. This four-piece design allows for a highly customizable coupling that easily combines clamp hubs with inch, metric, keyed, and keyless bores. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. Controlflex couplings have a balanced design for reduced vibrations at high speeds, can accommodate all forms of misalignment, and are an excellent fit for encoders, tachometers, and light duty stepper servo positioning applications. MCPRD75-32-A is RoHS3 and REACH compliant.

Product Specifications

Hub Width (LH) 18.0 mm Length (L) 2.874 in (73. Space Between Hubs (LS) 1.456 in (37.0 mm) Forged Clamp Screw M8 Screw Material Alloy Steel Hex Wrench Size 6.0 mm Screw Finish Black Oxide Seating Torque 24.0 Nm Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a proper shaft/hub connection when required. Please consult technical support for more assist Prop 65 ▲WARNING This product can expose you to chemicals including Ethylene Thiourea	i roddot opcomodiiono			
Hub Width (LH) 18.0 mm Length (L) 2.874 in (73. Space Between Hubs (LS) 1.456 in (37.0 mm) Forged Clamp Screw M8 Screw Material Alloy Steel Hex Wrench Size 6.0 mm Screw Finish Black Oxide Seating Torque 24.0 Nm Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 848.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a proper account of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Bore (B1)	32 mm	B1 Max Shaft Penetration	18.0 mm
Space Between Hubs (LS) 1.456 in (37.0 mm) Forged Clamp Screw M8 Screw Material Alloy Steel Hex Wrench Size 6.0 mm Screw Finish Black Oxide Seating Torque 24.0 Nm Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (lbs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a proper to the sepecially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Outer Diameter (OD)	2.953 in (75.0 mm)	Bore Tolerance	+0.09 mm / +0.03 mm
Screw Material Alloy Steel Hex Wrench Size 6.0 mm Screw Finish Black Oxide Seating Torque 24.0 Nm Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a promote of the couplings are based on the physical limitations/failure point of the company to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Hub Width (LH)	18.0 mm	Length (L)	2.874 in (73.0 mm)
Screw Finish Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a promal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Space Between Hubs (LS)	1.456 in (37.0 mm)	Forged Clamp Screw	M8
Screw Location (R) 25 mm Number of Screws 1 ea Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a promain of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Screw Material	Alloy Steel	Hex Wrench Size	6.0 mm
Rated Torque 30 Nm Angular Misalignment 1.0° Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (lbs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a promote 3 Torque ratings for the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Screw Finish	Black Oxide	Seating Torque	24.0 Nm
Peak Torque 40 Nm Torsional Stiffness 21.00 Nm/D Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Ves Balanced Design Yes Weight (lbs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Finish Specification Clear Anodized Tariff Code Sa45292254 Country of Origin Germany Tariff Code S483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a promote of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Screw Location (R)	25 mm	Number of Screws	1 ea
Axial Motion 1.50 mm Parallel Misalignment 2.0 mm Maximum Speed 7,500 RPM Recommended Inserts CPFRG48/7 Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (lbs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a parallel Maximum Special Imitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Rated Torque	30 Nm	Angular Misalignment	1.0°
Maximum Speed7,500 RPMRecommended InsertsCPFRG48/7Full Bearing Support Required?YesZero-Backlash?YesBalanced DesignYesWeight (Ibs)0.430900Temperature-22°F to 175°F (-30°C to 80°C)Material Specification6082 AluminFinishClear AnodizedFinish SpecificationClear AnodizedManufacturerSchmidt KupplungUPC6345292254Country of OriginGermanyTariff Code8483.60.800UNSPC31163022Note 1Stainless steel hubs are available upon request.Note 2Performance ratings are for guidance only. The user must determine suitability for a proper to the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assistProp 65▲WARNING This product can expose you to chemicals including Ethylene Thiourea	Peak Torque	40 Nm	Torsional Stiffness	21.00 Nm/Deg
Full Bearing Support Required? Yes Zero-Backlash? Yes Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a post of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Axial Motion	1.50 mm	Parallel Misalignment	2.0 mm
Balanced Design Yes Weight (Ibs) 0.430900 Temperature -22°F to 175°F (-30°C to 80°C) Material Specification 6082 Alumin Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a proper of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 WARNING This product can expose you to chemicals including Ethylene Thiourea	Maximum Speed	7,500 RPM	Recommended Inserts	CPFRG48/75-AT
Temperature -22°F to 175°F (-30°C to 80°C) Material Specification Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a part of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 ■WARNING This product can expose you to chemicals including Ethylene Thiourea	Full Bearing Support Required?	Yes	Zero-Backlash?	Yes
Finish Clear Anodized Finish Specification Clear Anodized Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a part of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65	Balanced Design	Yes	Weight (lbs)	0.430900
Manufacturer Schmidt Kupplung UPC 6345292254 Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a part of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 ★WARNING This product can expose you to chemicals including Ethylene Thiourea	Temperature	-22°F to 175°F (-30°C to 80°C)	Material Specification	6082 Aluminum Bar
Country of Origin Germany Tariff Code 8483.60.800 UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Performance ratings are for guidance only. The user must determine suitability for a part of the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 WARNING This product can expose you to chemicals including Ethylene Thiourea	Finish	Clear Anodized	Finish Specification	Clear Anodized
UNSPC 31163022 Note 1 Stainless steel hubs are available upon request. Performance ratings are for guidance only. The user must determine suitability for a part of the standard bores are used on the physical limitations/failure point of the specially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist ▶ Prop 65 ■ WARNING This product can expose you to chemicals including Ethylene Thiourea	Manufacturer	Schmidt Kupplung	UPC	634529225493
Note 1 Stainless steel hubs are available upon request. Note 2 Performance ratings are for guidance only. The user must determine suitability for a part of the sum of the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 WARNING This product can expose you to chemicals including Ethylene Thiourea	Country of Origin	Germany	Tariff Code	8483.60.8000
Note 2 Performance ratings are for guidance only. The user must determine suitability for a part of the suitability for a part	UNSPC	31163022		
Note 3 Torque ratings for the couplings are based on the physical limitations/failure point of the normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 WARNING This product can expose you to chemicals including Ethylene Thiourea	Note 1	Stainless steel hubs are available upon request.		
normal/typical conditions the hubs are capable of holding up to the rated torque of the especially when the smallest standard bores are used or where shafts are undersized is possible below the rated torque. Keyways are available to provide additional torque shaft/hub connection when required. Please consult technical support for more assist Prop 65 WARNING This product can expose you to chemicals including Ethylene Thiourea	Note 2	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
	Note 3	Torque ratings for the couplings are based on the physical limitations/failure point of the inserts. Under normal/typical conditions the hubs are capable of holding up to the rated torque of the inserts. 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. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more assistance.		
known to the State of Camornia to cause cancer, and Ethylene Thiourea known to the	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		

Installation Instructions

1. Align the bores of the MCPRD75-32-A controlflex coupling hub on the shafts that are to be joined with the drive pins facing each other and determine if the misalignment parameters are within the limits of the coupling. (*Angular Misialignment:* 1.0°, *Parallel Misalignment:* 2.0 mm, *Axial Motion:* 1.5 mm)

cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

- 2. Rotate the hubs on the shaft so the drive pins are 90° from each other.
- 3. Place the first hub at the end of the shaft. Tighten the clamp screw to 24.0 Nm using a 6.0 mm hex torque wrench.
- 4. Place an insert(s) with the standoffs facing the hub over the pins of the hub that was just installed.
- 5. Align the drive pins on the second hub to match the holes in the insert(s).
- 6. Verify that the space between hubs is 1.456 in, 37.0 mm.
- 7. Tighten the clamp screw on the second hub to the recommended seating torque of 24.0 Nm using a 6.0 mm hex torque wrench.