



OD21/33-NL

ØOD

Ruland OD21/33-NL, Oldham Coupling Disk, Nylon, 1.313" (33.3mm) OD, High Dampening





Description

Ruland OD21/33-NL is an oldham coupling disk designed to fit hubs with an OD of 1.313" (33.3mm). It is a component of a three-piece design consisiting of two anodized aluminum or stainless steel hubs press fit onto a center disk. This three-piece design allows for a highly customizable coupling that easily combines clamp or set screw hubs with inch, metric, keyed, and keyless bores. OD21/33-NL is made from nylon for shock absorption and dampening. Oldham couplings can accommodate all forms of misalignment and are especially useful in applications with high parallel misalignment (up to 10% of the coupling OD). They operate with low bearing loads protecting sensitive system components such as bearings and have a balanced design for reduced vibration at speeds up to 6,000 RPM. OD21/33-NL is RoHS3 and REACH compliant.

Product Specifications

Froduct Specifications			
Outer Diameter (OD)	1.313 in (33.3 mm)	Rated Torque	18 in-lb (2.03 Nm)
Static Break Torque	300 in-lb (34.0 Nm)	Angular Misalignment	0.5°
Parallel Misalignment	0.008 in (0.20 mm)	Max Parallel Misalignment	0.131 in (3.33 mm)
Axial Motion	0.006 in (0.15 mm)	Torsional Stiffness	19.2 lb-in/Deg (2.17 Nm/Deg)
Moment of Inertia	0.00342 lb-in ² (1.000 X 10 ⁻⁶ kg-m ²)	Maximum Speed	4,500 RPM
Full Bearing Support Required?	Yes	Zero-Backlash?	Yes
Mechanical Fuse?	Yes	UPC	634529059982
Country of Origin	USA	Material Specification	Nylon 11
Finish Specification	Plain	Manufacturer	Ruland Manufacturing
Temperature	-10°F to 130°F (-23°C to 54°C)	Weight (Ibs)	0.019600
Tariff Code	8483.60.8000	UNSPC	31163015
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Prop 65	is possible below the rated torque of the disks. Keyways are available to provide additional torque capacity the shaft/hub connection when required. Please consult technical support for more assistance. MWARNING This product can expose you to the chemical Tetrafluoroethylene, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to		
	www.P65Warnings.ca.gov.		
Installation Instructions			
	 Align the bores of the 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> 0.5 deg, <i>Parallel</i> <i>Misalignment</i>: 0.008 in (0.20 mm), <i>Axial Motion</i>: 0.006 in (0.15 mm) 		
		ft so the drive tenons are located	
	•		of a hub and center the disk by hand.
		ness of the coupling's axial motion	rating into the groove of the torque
	disk.	and hub into the moting grapus in	the disk until it touches the chim steel
			the disk until it touches the shim stock seating torque using a hex wrench.
			of the drive tenons and the torque di
		ieave a sinali yap between the top	or the drive tenons and the torque di

to allow for axial movement.