SERIES RR25

Dynapar[™] brand

Heavy Duty Rate Indicator

Key Features

- Ball Bearing-less, Hub-Shaft Design with Clamping Collar and Tether
- Encapsulated Electronics Ideal For Wet and Dirty Conditions
- Corrosion Resistant Construction Resists NPK, Diesel Fuel, Gasoline Acetone and Toluene
- Magnetic Sensor Uses Proven Hall-IC Technology





SPECIFICATIONS

STANDARD OPERATING CHARACTERISTICS

Code: Incremental, Magnetic Pulses per Revolution: 180, 360 or 512 PPR Format: Single Channel Symmetry: 180° ± 90°

ELECTRICAL

Input Voltage: 5-28VDC (up to 32VDC overvoltage protection) Current Draw: 50mA Maximum (not including output load) Output: HD7 Push-Pull Differential Line Driver: 100mA sink or source 7273 Open Collector: 40mA Frequency Response: 5kHz Maximum Noise Immunity: Tested to EN61326-1 Electrical Immunity: Reverse polarity and short circuit protected Termination: Cable, Radial Exit with Connector

ELECTRICAL CONNECTIONS

E	Encoder Function	Pin	Wire Color
	VCC	A	RED
	СОМ	В	BLK
	SIC	C	WHT

MECHANICAL Hub Shaft Bore Diameter: 1" or 1-1/8" Hub Shaft Bore Tolerance: Nominal +.0005"/+.0015" Starting Torque: 7 oz-in Maximum Shaft Fixing: Stainless Steel Split Clamp Shaft Speed: 500 RPM Maximum Mating Shaft Length: 1" Minimum Mating Shaft Length: 1" Minimum Mating Shaft Runout: .005" TIR Maximum Mating Shaft Endplay: ±.025" Maximum Housing Material: PBT Thermoplastic Resin Hub Shaft Material: Stainless Steel Weight: 1.6 lbs

ENVIRONMENTAL

Operating Temperature: -20°C to +85°C Storage Temperature: -40°C to +85°C Vibration: 10G, 5-2000 Hz Shock: 50G, 6ms duration Humidity: Up to 98% (non-condensing) Enclosure Rating (electronic components): IP66/IP67

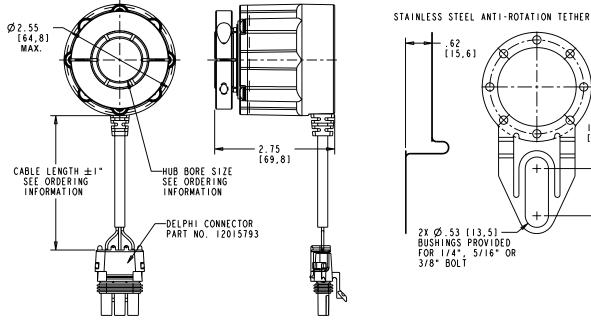


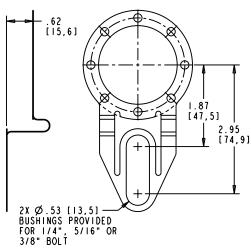
Ordering Information

To order, complete the model number with code numbers from the table below:

Code 1: Model	Code 2: PPR	Code 3: Hub Bore	Code 4: Output	Code 5: Termination	
RR25					
Ordering Information					
RR25 2.5" Rate Indicator	0180 0360 0512	H 1" J 1-1/8" K 3/8" x 0.9"L male shaft extension	0 HD7 type Push-Pull1 7273 Open Collector	 A 18" Radial Cable w/ 3-pin Delphi connector C 36" Radial Cable w/ 3-pin Delphi connector D 60" Radial Cable w/ 3-pin Delphi connector 	

DIMENSIONS inch [mm] TOLERANCES: ± .02 [0,5]





Worldwide Brands: NorthStar™ • Dynapar™ • Hengstler™ • Harowe™



Customer Service: Tel.: +1.800.873.8731 Fax: +1.847.662.4150 custserv@dynapar.com **Technical Support**

Tel.: +1.800.234.8731 Fax: +1.847.662.4150 northstar.techsupport@dynapar.com

European Sales Representitive

Hengstler GmbH Uhlandstrasse 49, 78554 Aldingen Germany www.hengstler.com

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