

## We have the right Rotary Encoder for you!

Joral Devices manufactures a wide range of rotary encoders.

- Shell Diameters of 30mm, 40mm, 50mm and 58mm
- Shaft Diameters of 6mm, 10mm, 3/8"
- Shaft Surfaces with flats, slots, hex, pin holes, and round
- Connections for plugs, pig-tails, military-style, Deutsch
- Resolutions ranging for 25 to 2048 ppr



- Rugged Duty Encoder
- Completely Sealed Electronics
- Operates Under Extreme Conditions
- Versatile Outputs
- Easy to Use
- Superior Design
- Utilizes Joral AMS Technology

**Our wheels are always turning.**  
We are constantly working and searching and thinking about new and better ways to get the job done. We strive to make our products the best they can be. Our innovations and advances in technology keep us moving forward in today's fast paced world.



(Encoder being tested under Dry Ice)

**Call 262-951-6725 to discuss your application.**

**JORAL**  
DEVICES

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# At Joral our wheels are always turning



# Joral Rugged Duty Encoders

## Rotary Encoders – High and Low Resolution

Joral Devices rotary encoders are designed to meet the demanding needs of the mobile hydraulics industry. The 'state-of-the-art' high resolution models provide up to 2048 ppr quadrature output (13 bit) while our low resolution products provide up to 256 ppr quadrature (10 bit). All our rotary encoders are built Joral Devices Tough!

- Solid machined aluminum body
- Dual ball bearings
- Completely sealed electronics
- Only one moving part: The Shaft
- Wide operating voltage range 6 to 36 VDC
- Surface-mount technology
- Passed MIL-STD 202



## The Hockey Puck Encoder

WOW! This encoder is incredible. Our Hockey Puck encoder opens up a new approach to position measurement with difficult mechanical mountings or for applications that see extended wear over time. This encoder does not directly contact the shaft or item being measured, but mounts in reasonable proximity to a magnet attached to the rotating device.

- Exact alignment or distance with the encoder center is not critical
- No coupling required
- High or low resolutions
- Wide operating voltage range, wide variety of outputs
- Patented technology



## The Wireless Encoder

Our wireless encoder utilizes the latest in FCC approved wireless RF technology. The encoder sends position, speed or calculated information to the remote computer or controller.

- Ideal where wires are not available or too expensive
- Microprocessor based
- No FCC site license required
- Rugged-duty design
- Completely sealed



## Upcoming Encoder Products: Through-Shaft Encoder

– this encoder has a hole through the center to slip over your shaft to provide speed, position, or other information. It comes in standard SAE mounting face-plate sizes.

**CAN Bus Encoder** – this encoder provides CAN Bus interface for connecting to your device network. It provides relative or absolute position and computed information such as speed, acceleration, zero-speed, and more.

## All our Encoders are:

- Heavy Duty construction
- LED indicators for easy installation and troubleshooting
- One year warranty
- Quadrature, step and direction, analog, communications or wireless capability
- Customizations available for size, function, labeling, color, connections to fit your requirements and save you time and money