



# OIL & GAS INDUSTRY

## Oilfield Encoders that Deliver Improved Uptime

Industries with hazardous applications such as oil & gas require encoders that meet very specific industry standards. Dynapar encoders offer to oilfield equipment manufacturers and end users improved equipment uptime and U.S., Canadian, ATEX and IECEx certifications for an overall improved solution. Dynapar encoders are used on drilling rigs, motors, cranes, propulsion systems, and completion and production equipment.



*hollow-shaft* EN42



*shafted* AX71



### Harsh Duty Optical Encoder

- High current 24vdc line driver for long cable runs
- Encapsulated Electronics with Increased Safety Interface for ATEX, IECEx and NEC505 Zone 1 Use
- Innovative Design Eliminates Need for I.S. Barriers
- Industry leading -50 to 100°C Temperature Range
- **Applications:** Drilling Motors

### Harsh Duty Optical Absolute Encoder

- Up to 17 bits of Singleturn, 12 bits of True Multiturn Absolute Positioning
- ATEX, IECEx and NEC505 Zone 1 Certification for Explosion Proof Requirements
- Stainless Steel or Aluminum Housing
- Multiple Communication Options
- **Applications:** Block Position, Pipe Handling, Iron Roughnecks, Coiled Tubing Units



*hollow-shaft* HSD37/ISD37



*shafted* HD25 & Hazardous Series HD25

### Harsh Duty Optical Encoder

- Unbreakable Code Disc up to 5000 PPR
- ATEX, US/CA and IECEx (pending) for Hazardous Duty Applications
- Single or Dual Isolated Outputs
- Hard Anodized Aluminum, Stainless Steel Housing
- IP67 Enclosure Rating
- -40°C to 100°C Temperature Range
- **Applications:** Top Drives, Block Position & Motors

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- IP67 Enclosure Rating
- -40°C to 100°C Temperature Range
- Single or Dual Isolated Outputs
- ATEX, US/CA and IECEx (pending) for Hazardous Duty Applications
- **Applications:** Top Drives, Logging, Blending, Power Tongs and Coiled Tubing Units



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View Dynapar's Encoder and Resolver product portfolio at [www.dynapar.com](http://www.dynapar.com)