WZL THRU TUBING MOTORS

Oil Sealed and Mud Lubricated Bearing Assemblies

BUILT FOR COIL TUBING DRILLING AND WORKOVER

Reliably complete coil tubing drilling and workover operations with our thru tubing motor. Small diameters, high flow rates and solid, robust connections make our S29 and S39 motors ideal for your thru tubing needs.

S39 OIL SEALED



S29 MUD LUBE



FEATURES & BENEFITS

- Innovative, fit-for-purpose design built on trusted WZL technology
- Available with mud lubricated (S29) or oil sealed (S39) bearing assemblies
- Thrust and radial bearing technology custom designed for thru tubing applications
- Large internal mandrel and robust connections allow for high torque and performance
- Thru tubing optimized driveline shortens overall length of motor
- S29: Tough, high-performance design with optional adjustable bend housing and optional full-flex, hybrid flex or straight drivelines for directional applications
- S39: Bearing packs sealed from drilling fluid and guarded against debris
- S39: Ported-piston housing balances pressure drops and increases reliability
  - Optional jetted or sealed ports further control bypass or eliminate it altogether

LARGE INTERNAL MANDREL AND ROBUST CONNECTIONS ALLOW FOR HIGH TORQUE AND MAXIMUM PERFORMANCE

OPTIONS INCLUDE FULL FLEX, HYBRID FLEX AND STRAIGHT DRIVELINES, AND ALL-METAL POWER SECTIONS

INCREASED THRU BORE AND JETTED PISTON HOUSING PORTS PROVIDE FULL FLUID CONTROL

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SPECIFICATIONS – IMPERIAL

				OPERATING CAPACITY				STATIC CAPACITY				
Series reference	Nominal OD (in)	Hole size (in)	Bit box thread (API)	WOB (lb)	Max bit overpull (lb)	Torque (ft-lb)	Flow rate (gpm)	WOB to re-run (lb)	Bit overpull to re-run (lb)	Absolute body overpull (lb)	Torque (ft-lb)	Adjustable makeup torque (ft-lb)
S39 Oil Sealed	2 ⅞	3.50 – 4.50	2 ⅜ PAC	11,500	11,500	1,100	180	40,900	40,900	106,000	1,800	1,500
	3 ⅛	3.75 – 4.50	2 ⅜ Reg	16,000	16,000	1,400	180	61,500	46,000	127,000	1,800	4,500
S29 Mud Lube	2 ⅞	3.50 – 4.50	2 ⅜ PAC	15,200	15,200	1,100	180	59,000	42,000	106,000	2,200	2,500
	3 ⅛	3.75 – 4.50	2 ⅜ Reg	16,000	16,000	1,400	180	61,500	46,000	134,000	2,200	4,500

Specifications are based on as-new condition and are subject to change without notice. Motor assemblies are available in a multitude of speeds and configurations.

SPECIFICATIONS – METRIC

				OPERATING CAPACITY				STATIC CAPACITY				
Series reference	Nominal OD (mm)	Hole size (mm)	Bit box thread (API)	WOB (daN)	Max bit overpull (daN)	Torque (N·m)	Flow rate (lpm)	WOB to re-run (daN)	Bit overpull to re-run (daN)	Absolute body overpull (daN)	Torque (N·m)	Adjustable makeup torque (N·m)
S39 Oil Sealed	73	89 – 114	2 ⅜ PAC	5,100	5,100	1,500	700	18,200	18,200	47,000	2,400	2,000
	79	95 – 114	2 ⅜ Reg	7,100	7,100	1,910	700	27,400	20,500	56,000	2,400	6,100
S29 Mud Lube	73	89 – 114	2 ⅜ PAC	6,800	6,800	1,500	700	26,200	18,700	47,000	2,940	3,400
	79	95 – 114	2 ⅜ Reg	7,100	7,100	1,910	700	27,400	20,500	60,000	2,940	6,100

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CONTACT US FOR PRICING AND FURTHER DETAILS: wzlindustries.com/contact/