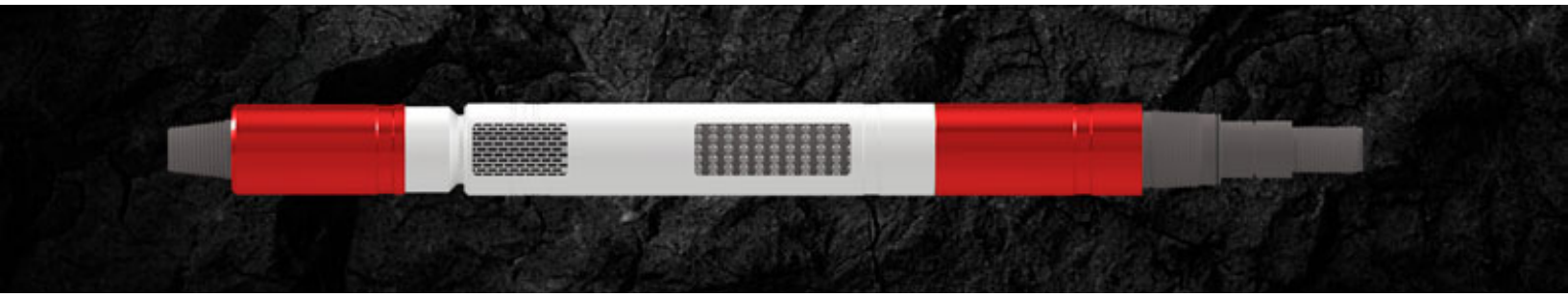
WZL M42 “MATADOR”

RSS Optimized Mud Lubricated Motor

OPTIMIZED FOR ROTARY STEERABLE SYSTEMS

The M42 “Matador” is the latest innovation from our long line of proven high-torque mud lubricated motors. With an optimized fluid bypass and standard pin-down mandrel and straight housing, the M42 gives RSS drillers unmatched performance.



FEATURES & BENEFITS

Asset protection

To protect you from the potential loss of expensive RSS assets, we’ve reinforced this motor with cold-rolled threads, incredibly tough components and more tungsten carbide than we’ve ever packed into a motor. We have also added an integral catch mechanism to help you out of worst-case jams.

Optimal fluid bypass

With the WZL Matador, you get optimized fluid bypass for the duration of your run. By maintaining a consistent rate of fluid, the RSS achieves expected pad force and predictable, high-performance directional control that leads to higher effective ROP and a better wellbore.

Fit-for-purpose performance

Equipped with a straight housing and pin-down mandrel, the Matador offers a plug-and-play RSS integration that delivers efficient, controlled drilling while meeting your specifications for precise, high-performance, long-distance runs.

The M42 can also be configured to run without RSS to give conventional directional drillers enhanced performance and exceptional reliability.

CARBIDE ARMOURED FLOW RESTRICTORS

COLD-ROLLED ROUND THREAD

STRAIGHT HOUSING

PIN-DOWN MANDREL

OPTIMIZED 5.25” BEARING ASSEMBLY

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SPECIFICATIONS – IMPERIAL

			OPERATING CAPACITY				STATIC CAPACITY		
Nominal BA OD (in)	Hole size (in)	Standard 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)	Body overpull (lb)
5 ¼	6 ⅛ – 7 ⅞	3 ½ Reg	74,000	74,000	10,000	450	230,000	155,000	424,000
7 ¼	8 ½ – 9 ⅞	4 ½ Reg	95,100	95,100	21,000	850	487,500	131,500	659,000

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		
Nominal BA OD (mm)	Hole size (mm)	Standard 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)	Body overpull (daN)
133	155 – 200	3 ½ Reg	33,000	33,000	13,600	1,700	102,300	68,900	189,000
184	216 – 251	4 ½ Reg	42,300	42,300	28,470	3,220	216,300	58,500	293,000

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