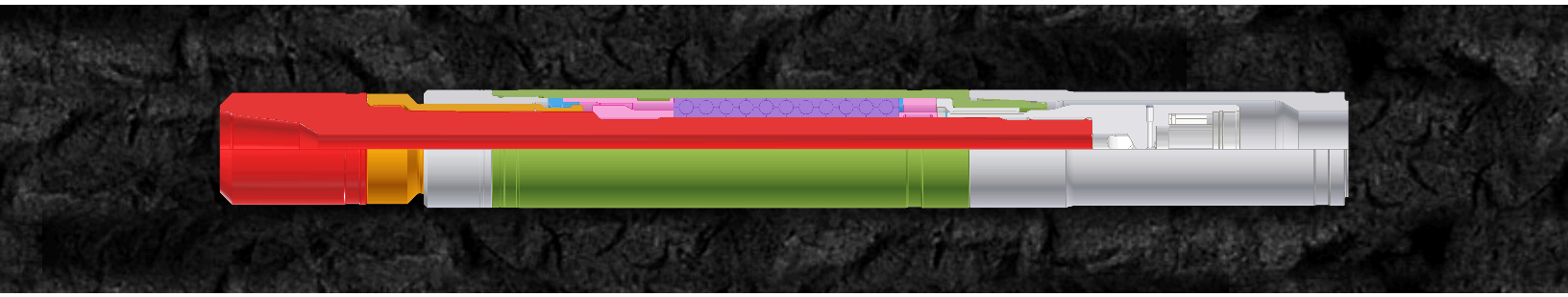
WZL INDUSTRIES

WZL M41

Next-Gen Mud Lubricated Motor

ALWAYS STRIVING FOR MORE.

The WZL M41 is our next generation mud lubricated motor, available today. A redesigned bearing section delivers a 25% increase in WOB capacity and a 30% reduction in side load on the lower restrictor bearings, with a lengthened bit-to-bend on both fixed bend and adjustable configurations.



FEATURES & BENEFITS

More WOB capacity
A longer thrust stack and a 3-part bearing stack compression system give the M41 a 25% increase in WOB capacity, so you can put more weight on bit with confidence.

Less bearing wear
Mandrel flex relief and a lengthened bit-to-bend on both fixed bend and adjustable configurations cut side load on the lower restrictor bearings by 30%.

DESIGN HIGHLIGHTS

- Longer thrust stack
- Split ring mandrel catch
- Longer tong space
- 3-part bearing stack compression
- 30° round thread
- Lengthened bit-to-bend
- Mandrel flex relief
- New spacers and crush ring system
- Hybrid flex driveline option

SPECIFICATIONS – IMPERIAL

						OPERATING CAPACITY		STATIC CAPACITY			
BA OD (in)	Power OD (in)	Bit box to adj. bend (in)	Bit box to fixed bend (in)	Hole size (in)	Bit box thread (API)	WOB (lb)	Max bit overpull (lb)	WOB to re-run (lb)	Bit overpull to re-run (lb)	Body overpull* (lb)	Adj. make-up torque (ft-lb)
5 ¼	5.25	62	51	6 ⅛ – 7 ⅞	3 ½ Reg	74,000	74,000	230,000	155,000	424,000	18,000
7 ¼	6.75	72	59	8 ½ – 9 ⅞	4 ½ Reg	95,100	95,100	487,500	131,500	539,000	35,000
	7.00	72	59	8 ½ – 9 ⅞	4 ½ Reg	95,100	95,100	487,500	131,500	659,000	
	7.25	72	59	8 ½ – 9 ⅞	4 ½ Reg	95,100	95,100	487,500	131,500	659,000	

*Body overpull referenced to stator OD.

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

SPECIFICATIONS – METRIC

						OPERATING CAPACITY		STATIC CAPACITY			
BA OD (mm)	Power OD (mm)	Bit box to adj. bend (m)	Bit box to fixed bend (m)	Hole size (mm)	Bit box thread (API)	WOB (daN)	Max bit overpull (daN)	WOB to re-run (daN)	Bit overpull to re-run (daN)	Body overpull* (daN)	Adj. make-up torque (N·m)
133	133	1.57	1.30	155 – 200	3 ½ Reg	32,900	32,900	102,300	68,900	189,000	24,400
184	171	1.83	1.50	216 – 251	4 ½ Reg	42,300	42,300	216,900	58,500	240,000	47,500
	178	1.83	1.50	216 – 251	4 ½ Reg	42,300	42,300	216,900	58,500	293,000	
	184	1.83	1.50	216 – 251	4 ½ Reg	42,300	42,300	216,900	58,500	293,000	

*Body overpull referenced to stator OD.

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

DIMENSIONS – IMPERIAL

BA OD (in)	Across pad (in)	Bit box to stabilizer (in)	Bottom end assembly (in)	Rotor retainer top sub (in)	Rotor retainer + top sub (in)	Pin down connection	Top connection	Float bore	Weight† (lb)
5 ¼	5.56	25	86	31	54	NC38 (3 ½ IF), XT39	NC38 (3 ½ IF), XT39, NC40	2F-3R, 3F, 4R	650
7 ¼	7.60	30	116	31	61	NC50 (5 XH, 4 ½ IF)	NC50 (5 XH, 4 ½ IF), NC46 (4 IF, 4 ½ XH)	4R	2,500

†Bearing assembly weight only. Add power section weight; see power section specifications for stator length, weight and motor performance.

Max motor bend angle is 2.38° when using the WZL Hybrid Flex driveline. Additional connections and float bore options are available; contact your WZL representative.

DIMENSIONS – METRIC

BA OD (mm)	Across pad (mm)	Bit box to stabilizer (m)	Bottom end assembly (m)	Rotor retainer top sub (m)	Rotor retainer + top sub (m)	Pin down connection	Top connection	Float bore	Weight† (kg)
133	141	0.64	2.18	0.79	1.37	NC38 (3 ½ IF), XT39	NC38 (3 ½ IF), XT39, NC40	2F-3R, 3F, 4R	295
184	193	0.76	2.95	0.79	1.55	NC50 (5 XH, 4 ½ IF)	NC50 (5 XH, 4 ½ IF), NC46 (4 IF, 4 ½ XH)	4R	1,130

†Bearing assembly weight only. Add power section weight; see power section specifications for stator length, weight and motor performance.

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