

RE/FLEX Technologies

RE|FLEX Premium Drilling Motors by InFocus are a major advancement in PDM technology. Metal-to-Metal power sections are rated to temperatures greater than 300 °C (572 °F), so they are not susceptible to extreme temperature and most mud-related issues seen with traditional PDM's.



The RE|FLEX Premium bearing section is a proprietary design, developed to convert extreme loading parameters into efficient drilling action.

The RE|FLEX Premium motor features proprietary fatigue-resistant connections not only for best-in-class torque capacity, but intended to maximize resistance to bending stress.

Internal components are optimized for cyclic fatigue-loading (bending stress) which is another common failure mechanism seen in the form of twist-offs.

The unique, simplified design of the RE|FLEX Premium bearing section is built with the highest quality materials and patent-pending processes to ensure reliable operating life for years to come.

SPECIFICATIONS - Drilling Applications

RE FLEX Motor	Configuration	Overall Length	Fixed Bend Hsg. Options 0-3 deg.	Nominal Diameter	Top Connection	Bottom Connection	Well Size	Maximum Weight On Bit	Flow Rate	No Load Bit Speed (RPM)	Maximum Differential Pressure	Full Load Torque	Power
5 in 127 mm **	9:10 3.2 AMP	180 in 4572 mm	56 in 1422 mm	5.15 in 131 mm	NC 38 (3 1/2 IF) BOX	3 1/2 API REG. BOX	6 - 7 7/8 in 152 - 200 mm	75000 lbf 33360 daN	150 - 350 GPM 567 - 1324 LPM	84 - 200	1850 psi 12755 kPa	7035 ft-lb 9535 Nm	268 HP 200 kW
6 3/4 in 171 mm	7:8 2.4 AMP	197 in 5000 mm	75.6 in 1920 mm	6.75 in 171 mm	NC 50 (4 1/2 IF) BOX	4 1/2 REG. BOX	7 7/8 - 8 1/2 in 200 - 216 mm	144000 lbf 64055 daN	300-600 GPM 1140-2271 LPM	55-160	864 psi 5957 kPa	6400 ft-lb 8813 Nm	42 HP 31 kW
7 in 178 mm	7:8 2.4 AMP	204 in 5182 mm	53.5 in 1359 mm	7.15 in 182 mm	NC 50 (4 1/2 IF) BOX	4 1/2 REG. BOX	8 1/2 - 12-1/4 in 216 - 311 mm	320000 lbf 142336 daN	300-600 GPM 1140-2271 LPM	53-107	660 psi 10906 kPa	8044 ft-lb 10906 Nm	154 HP 115 kW
7 in 178 mm **	7:8 7.7 AMP	294 in 7465 mm	53.5 in 1359 mm	7.15 in 182 mm	NC 50 (4 1/2 IF) BOX	4 1/2 REG. BOX	8 1/2 - 12-1/4 in 216 - 311 mm	290000 lbf 128998 daN	300-900 GPM 1140-3407 LPM	55-250	4000 psi 27580 kPa	30000 ft-lb 40675 Nm	283 HP 211 kW
7 in 178 mm	6:7 8.4 Hard Rubber	389 in 9870 mm	49.5 in 1257 mm	7.15 in 182 mm	NC 50 (4 1/2 IF) BOX	4 1/2 REG. BOX	8 1/2 - 12-1/4 in 216 - 311 mm	320000 lbf 142336 daN	350-750 GPM 1325-2839 LPM	110-230	1980 psi 13650 kPa	16550 ft-lb 22440 Nm	725 HP 540 kW

The AMP All Metal Power section is rated to 572°F (300°C). Compatible with oil-based muds, acids, solvents, and high chloride content fluids.

* Available Upon Request

Operational specifications are for reference only. Actual tool performance may vary depending on a variety of downhole conditions. Performance data is subject to change without notice.

** In development.

** Conventional Power Sections are available for all RE|FLEX Premium Drilling Motors.*

Fixed Bend or Straight Housing options available.
Optional Slick or Bladed Housing.



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