

Downhole Technologies

ERT Power Sections



Step Change Increase in Power.

Our ERT™ power sections provide more power vs conventional power sections. ERTs are designed to serve the high-flow, high-torque requirements of challenging drilling applications, delivering smoother drilling and higher ROP than conventional power sections of the same length and configuration. ERT stators start out with machined lobes, which are then injected with high performance NOV elastomer. Reducing the amount of elastomer compared to conventional power sections enables higher differential pressure across the power section and results in high torque output. Enhance drilling performance in your next well with an ERT power section.



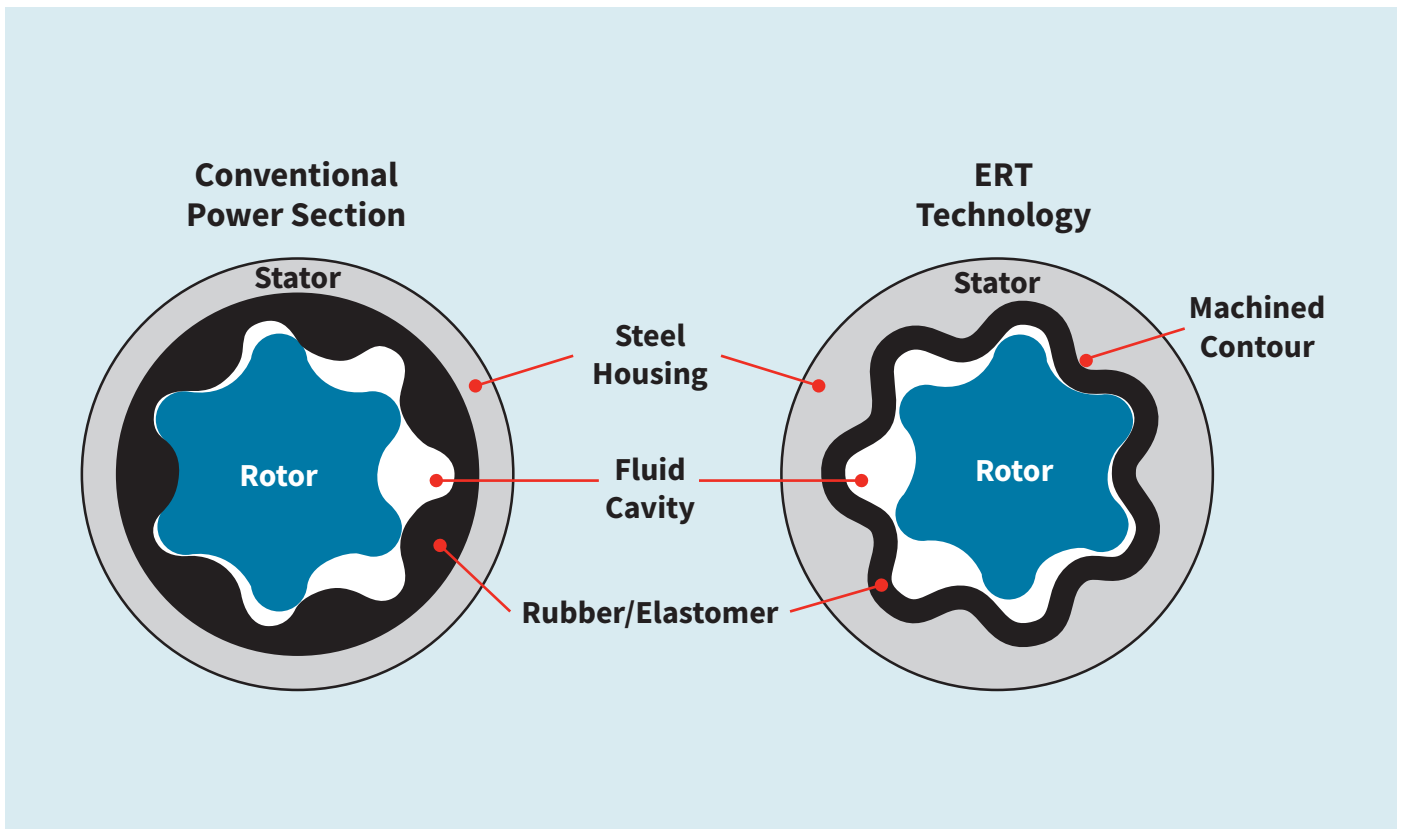
Features

- Elastomer supported by machined steel contour
- Reinforced lobes provide highest torque potential
- Designed for challenging, high temperature applications

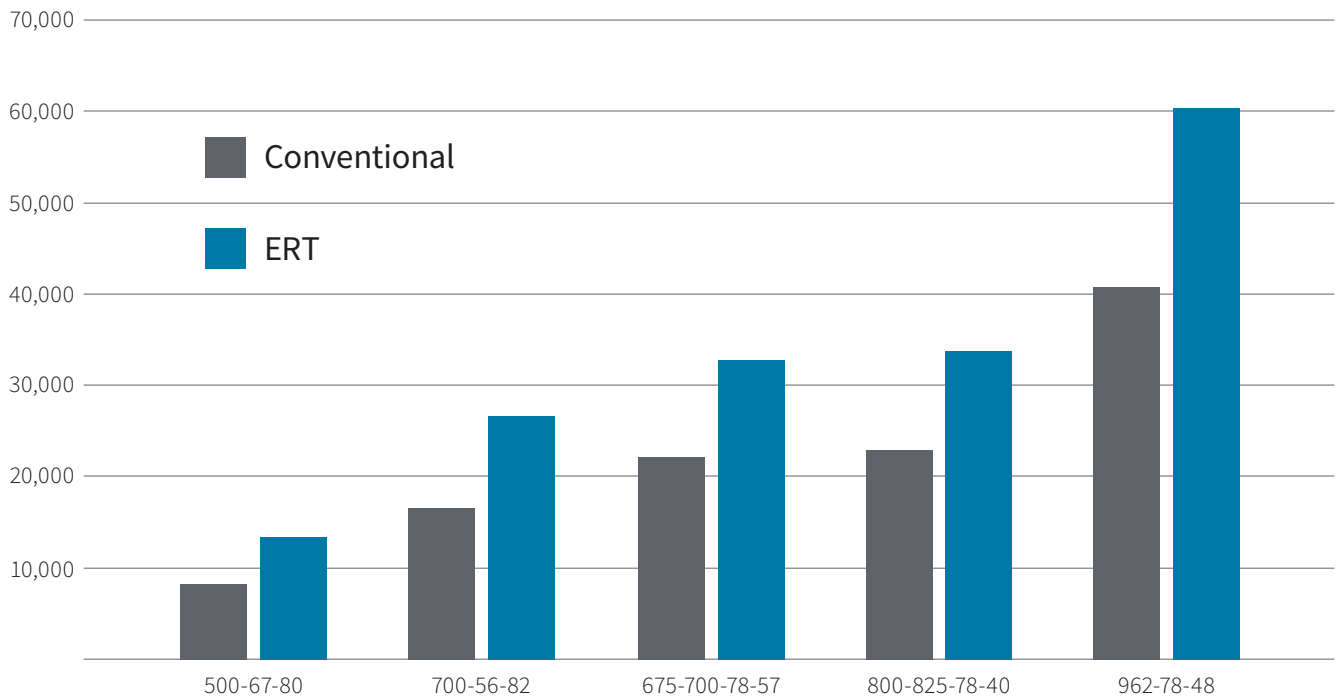
Benefits

- Higher torque from a shorter length power section
- Higher differential pressure capability across the power section
- Smoother drilling – increased bit life
- Increased ROP
- Reduced rubber expansion in hot hole

OD	Config	Flow Range GPM	Rev/Gal	Speed Range RPM	Max Rec Press PSI	Torque @ Max Press ft-lbs	Stall Pressure PSI	Stall Torque ft-lbs
5.00	6:7 8.0	150-350	0.78	117-273	2,140	7,360	3,910	13,460
5.125	5:6 9.5	300-400	0.80	240-320	2,440	8,410	4,470	15,390
5.125	6:7 7.8	150-425	0.61	91-257	2,080	9,280	3,810	16,970
5.50	6:7 7.8	150-425	0.61	91-257	2,080	9,280	3,810	16,970
6.50	7:8 6.7	300-700	0.27	81-189	1,850	18,160	3,390	33,240
6.50	7:8 5.0	300-700	0.27	81-189	1,380	13,770	2,530	25,190
6.75	7:8 5.0	300-700	0.27	81-189	1,380	13,770	2,530	25,190
6.75	7:8 2.9	300-650	0.16	47-102	800	13,470	1,470	24,660
7.00	6:7 7.8	400-750	0.32	128-240	2,080	17,290	3,810	31,640
7.00	7:8 5.7	300-750	0.23	69-172	1,580	17,950	2,890	32,850
7.00	5:6 8.2	450-750	0.40	180-300	2,110	14,520	3,860	26,570
7.25	7:8 7.2	500-800	0.25	125-200	1,990	20,870	3,640	38,190
8.25	7:8 4.0	300-900	0.16	48-144	1,110	18,530	2,010	33,730
8.50	8:9 6.7	450-950	0.17	78-164	1,920	28,570	3,510	52,290



Stall Torque (ft-lbs) - Conventional vs ERT - Step Change Increase



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