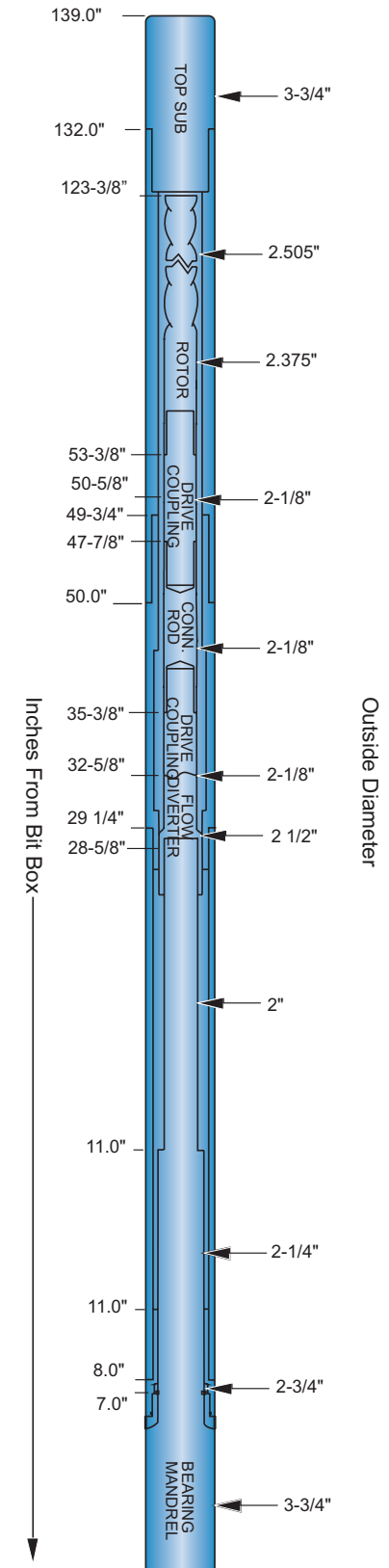
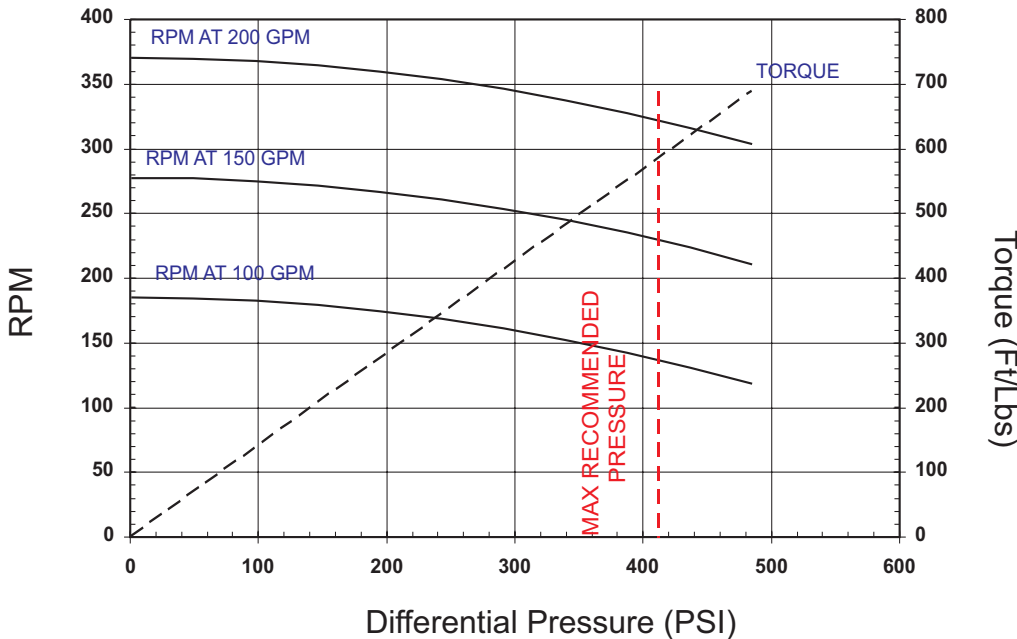


Terra Torque 3³/₄" (7:8) Short Radius Mud Motor

Specifications

OD:	3-3/4"
Length:	11' 7" (low speed) 7:8 3.5 Stages
Connections:	2-7/8" API reg. box up (top sub) 2-7/8" API reg. box down
Max Flow Rate:	200 GPM
Speed Range:	185 - 370 RPM at 100 PSI diff. press.
Rot/Gal	1.85
Max Crush Weight for Brg. Pack:	10,000 lbs.
Max Bit Pressure Drop:	500 PSI
Optimum Bit Pressure Drop:	100-450 PSI for continuous use
Max Motor Pressure Differential:	410 PSI (see chart)
Optimum Motor Pressure Differential:	100 - 250 PSI for continuous use
Max Operating Motor Torque:	600 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	32" for fixed bend

3-3/4" Mud Motor 7:8 3.5 Stages



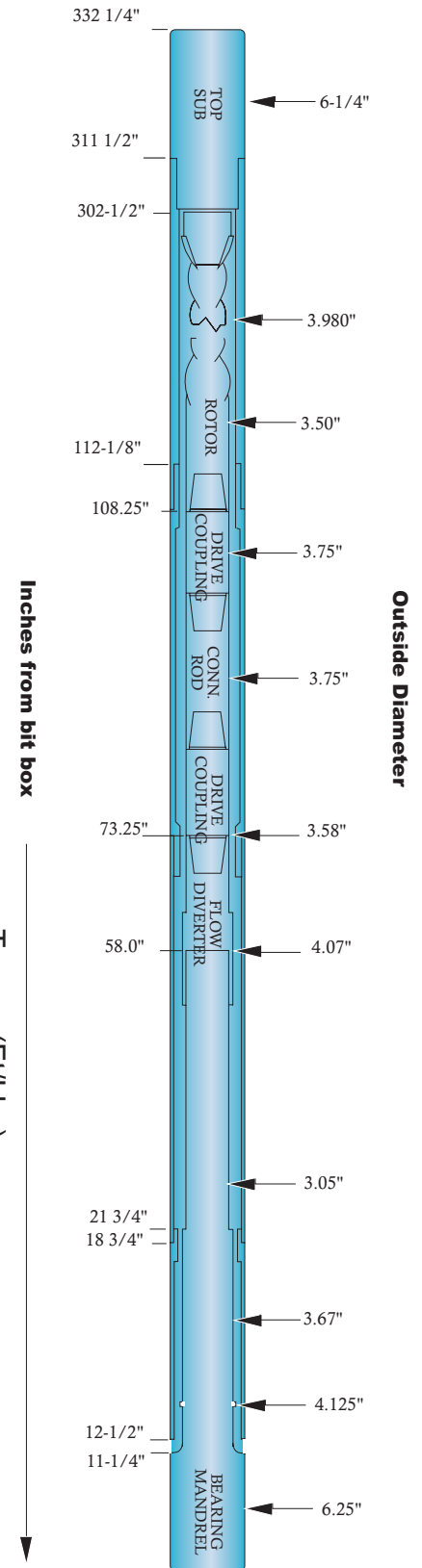
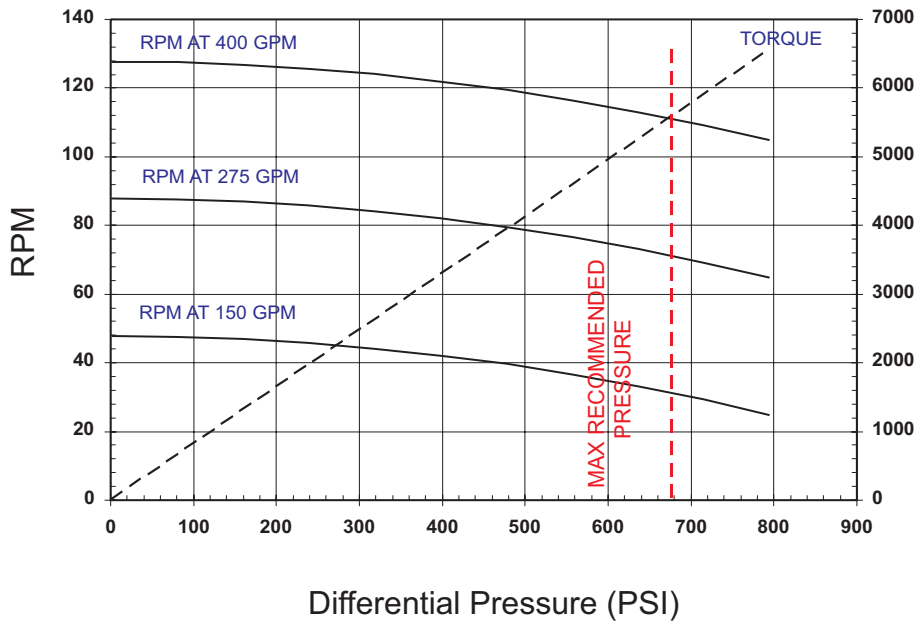
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TITAN 6 1/4" (7:8) Extended Mud Motor

Specifications

OD:	6-1/4"
Length:	27' 8" (low. speed) 7:8
	4.8 stages
Connections:	4-1/2" XH box up (top sub)
	4-1/2" API reg. box down
Max Flow Rate:	400 GPM
Speed Range:	45-130 RPM at 100 PSI diff. press.
Rot/Gal	0.32
Max Crush Weight for Brg. Pack:	50,000 lbs.
Max Bit Pressure Drop:	1000 PSI
Optimum Bit Pressure Drop:	100-750 PSI for continuous use
Max Motor Pressure Differential:	670 PSI (see chart)
Optimum Motor Pressure Differential:	100-400 PSI for continuous use
Max Operating Motor Torque:	5500 ft-lbs (see chart for more information)
Max Sand Content:	.2%
Bit to Bend:	.82" for fixed bend

6-1/4" Mud Motor 7:8 4.8 Stages

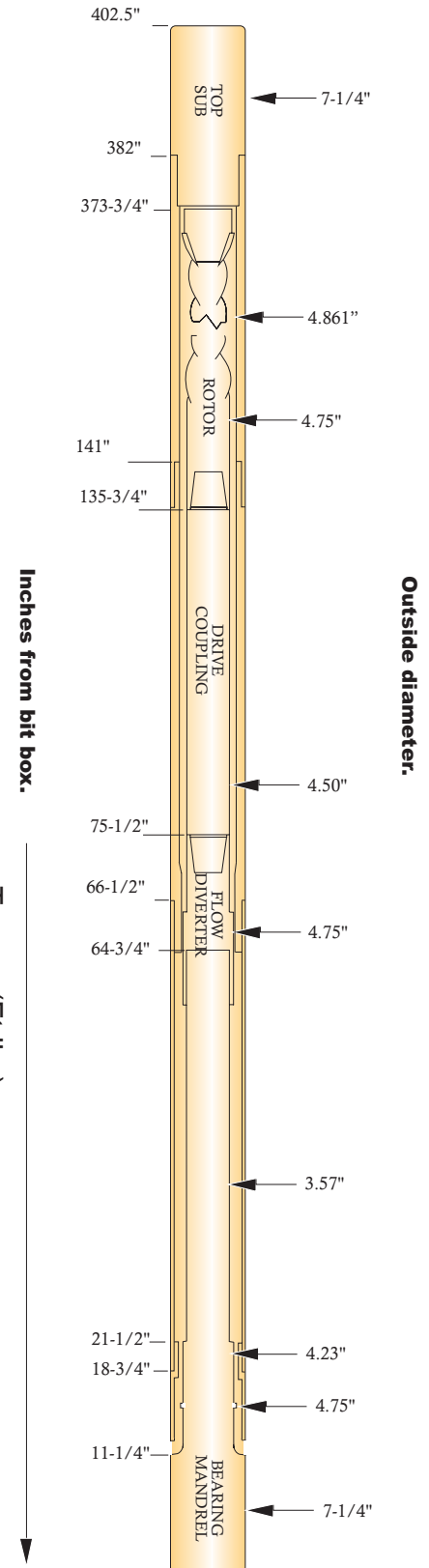
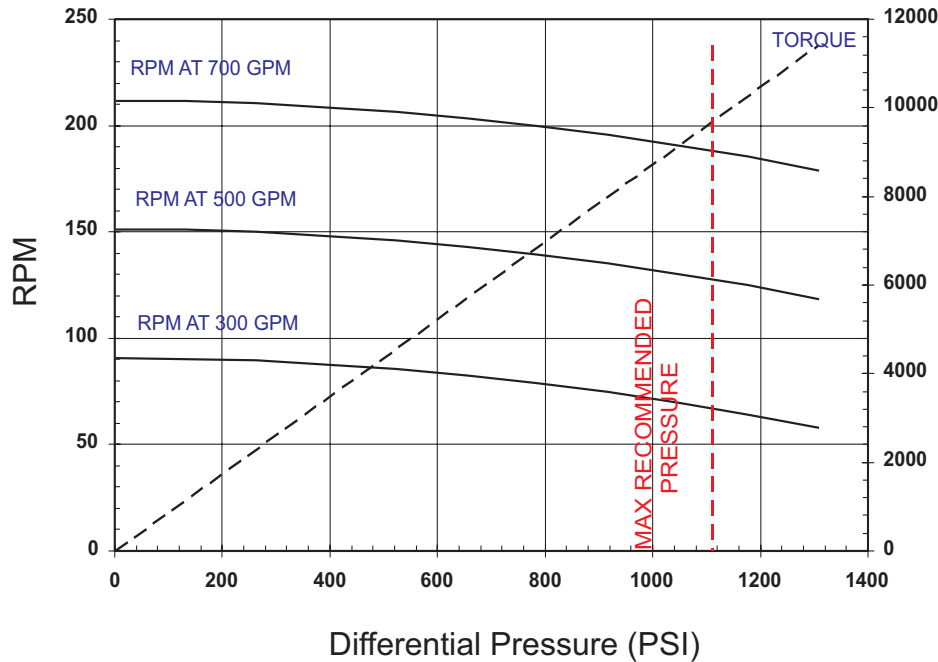


TITAN 7 1/4" (7:8) Mud Motor (SE) Super Extended

Specifications

OD:	7-1/4"
Length:	33' 6" (low. speed) 7:8
	7.7 stages
Connections:	4-1/2" XH box up (top sub)
	4-1/2" API reg. box down
Max Flow Rate:	700 GPM
Speed Range:	90-220 RPM at 100 PSI diff. press.
Rot/Gal	0.30
Max Crush Weight for Brg. Pack:	60,000 lbs.
Max Bit Pressure Drop:	1000 PSI
Optimum Bit Pressure Drop:	100-750 PSI for continuous use
Max Motor Pressure Differential:	1100 PSI (see chart)
Optimum Motor Pressure Differential:	100-600 PSI for continuous use
Max Operating Motor Torque:	10500 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	.66 1/2" for fixed bend

7-1/4" Mud Motor 7:8 7.7 Stages

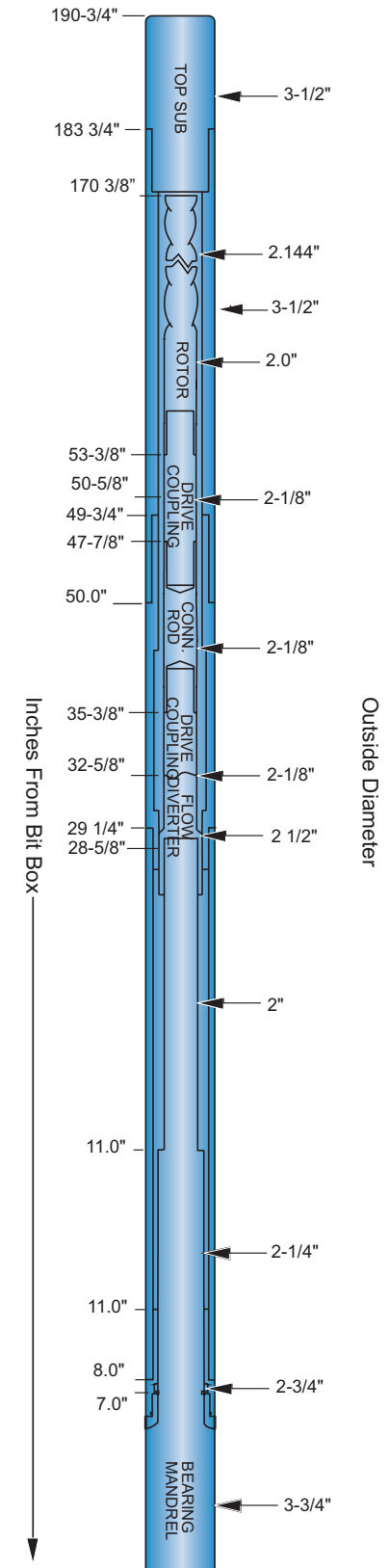
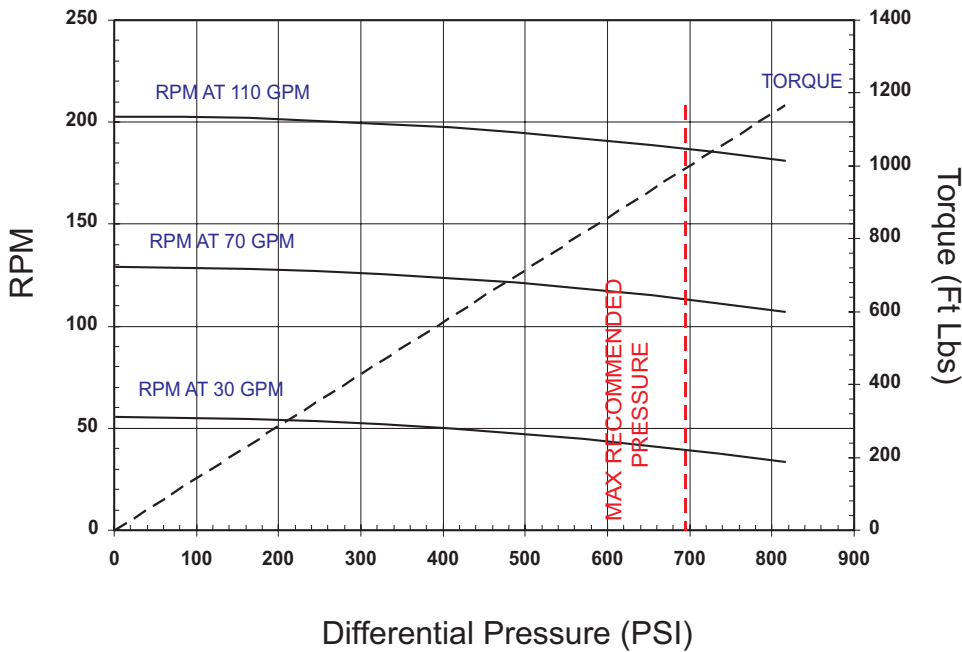


Terra Torque 3³/₄" x 3 1/2" (7:8) Extended Mud Motor

Specifications

OD:	3-3/4" x 3 1/2" Hybrid
Length:	15' 11" (low speed) 7:8 4.3 Stages
Connections:	2-7/8" API reg. box up (top sub) 2-7/8" API reg. box down
Max Flow Rate:	110 GPM
Speed Range:	55 - 205 RPM at 100 PSI diff. press.
Rot/Gal	1.86
Max Crush Weight for Brg. Pack:	10,000 lbs.
Max Bit Pressure Drop:	500 PSI
Optimum Bit Pressure Drop:	100-450 PSI for continuous use
Max Motor Pressure Differential:	690 PSI (see chart)
Optimum Motor Pressure Differential:	100-400 PSI for continuous use
Max Operating Motor Torque:	1000 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	32" for fixed bend

3-3/4" x 3 1/2" Mud Motor 7:8 4.3 Stages

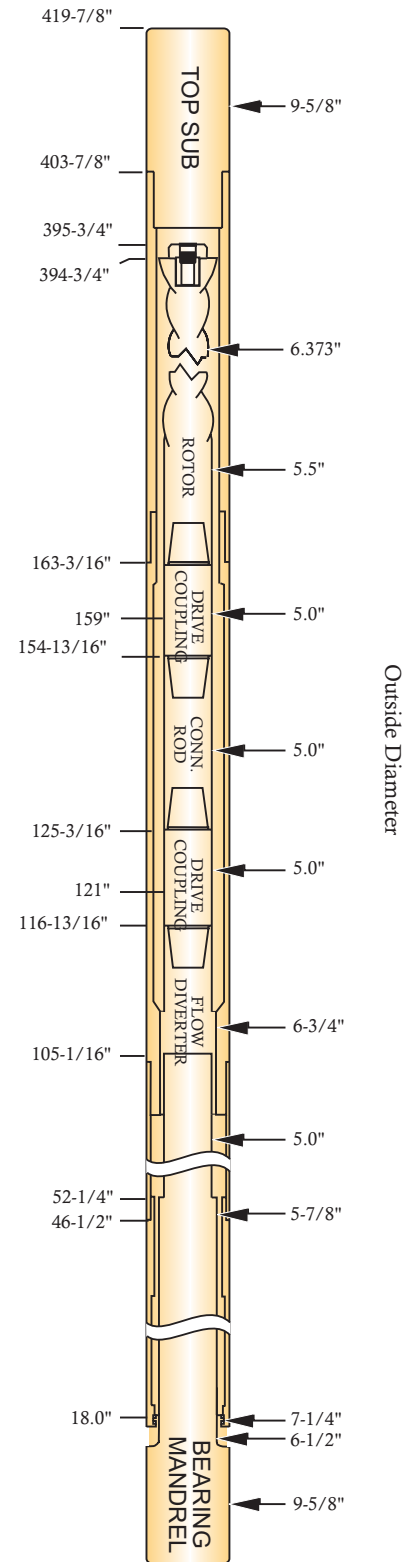
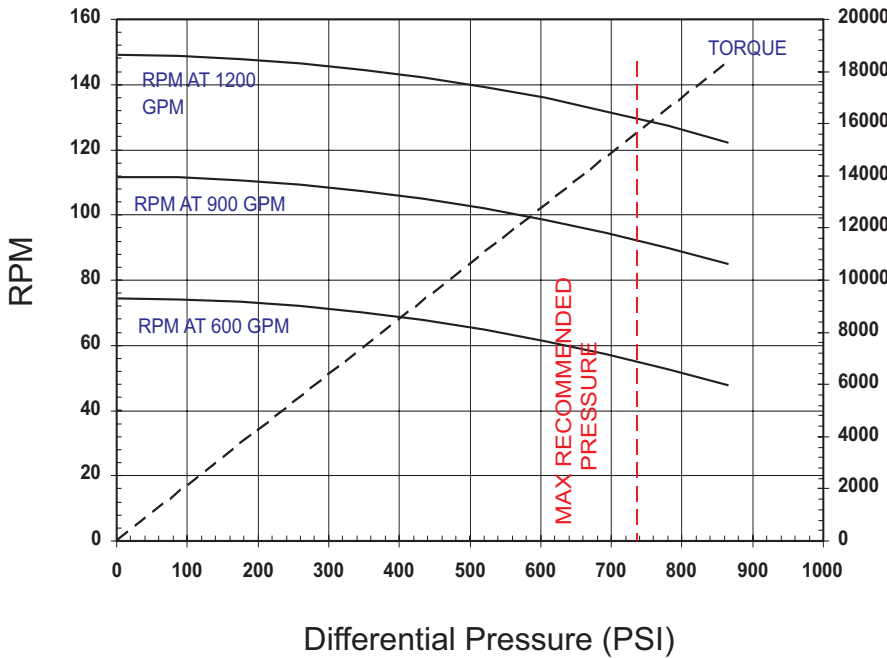


Terra Torque 9⁵/₈" (7:8) Mud Motor (SE) Super Extended

Specifications

OD:	9-5/8"
Length:	35' (low speed) 7:8
	5.7 stages
Connections:	6-5/8" API or
	7-5/8" API reg. box up (top sub)
	6-5/8" API or 7-5/8" API reg. box down
Max Flow Rate:	1200 GPM
Speed Range:	75 - 150 RPM at 200 PSI diff. press.
Rot/Gal	0.12
Max Crush Weight for Brg. Pack:	100,000 lbs.
Max Bit Pressure Drop:	1000 PSI
Optimum Bit Pressure Drop:	100-800 PSI for continuous use
Max Motor Pressure Differential:	740 PSI (see chart)
Optimum Motor Pressure Differential:	100-500 PSI for continuous use
Max Operating Motor Torque:	15,700 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	119" for fixed bend

9-5/8" Mud Motor 7:8 5.7 Stages

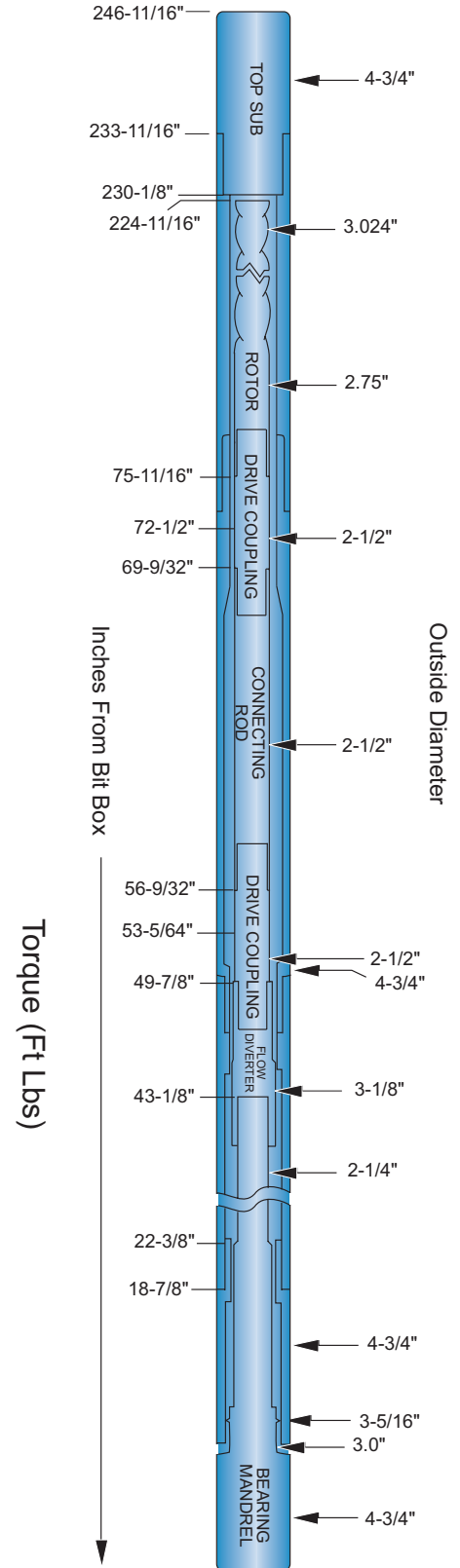
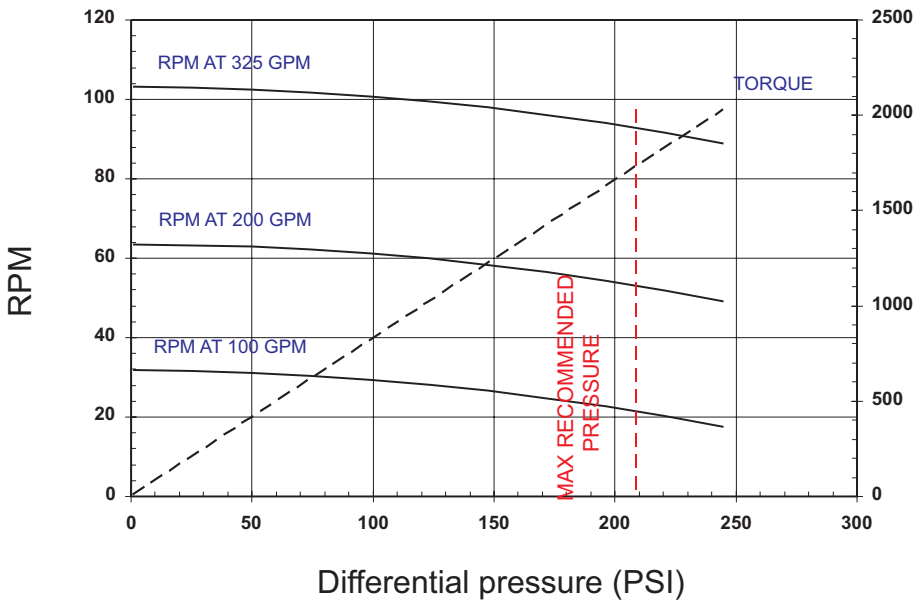


Terra Torque 4³/₄" (7:8) Mud Motor

Specifications

OD:	4-3/4"
Length:	20' 7" (low speed) 7:8 2.0 stages
Connections:	3-1/2" API reg. or 3-1/2" IF box up 3-1/2" API reg. box down (bit box)
Max Flow Rate:	325 GPM
Speed Range:	32 - 104 RPM at 100 PSI diff. press.
Rot/Gal	0.32
Max Crush Weight for Brg. Pack:	25,000 lbs.
Max Bit Pressure Drop:	750 PSI
Optimum Bit Pressure Drop:	100-600 PSI for continuous use
Max Motor Pressure Differential:	220 PSI (see chart)
Optimum Motor Pressure Differential:	100 - 175 PSI for continuous use
Max Operating Motor Torque:	1825 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	57" for fixed bend 65" for adj. bend housing

4-3/4" Mud Motor 7:8 2.0 Stages



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Terra Torque 6 1/2" (7:8) Air Motor (SE) Super Extended

Specifications

OD:	6-1/2"
Length:	29' 8.5" (low speed) 7:8 3.3 stages
Connections:	4-1/2" API reg. or 4-1/2" XH box up (top sub) 4-1/2" API or 6-5/8" API reg. box down
Max Flow Rate	2989 CFM
Speed Range:	56 - 112 RPM at 150 PSI diff. press.
Rot/CFM	0.37
Max Crush Weight for Brg. Pack:	50,000 lbs.
Max Bit Pressure Drop:	1000 PSI
Optimum Bit Pressure Drop:	100-750 PSI for continuous use
Max Motor Pressure Differential:	545 PSI (see chart)
Optimum Motor Pressure Differential:	100-300 PSI for continuous use
Max Operating Motor Torque:	10,400 ft-lbs (see chart for more information)
Max Sand Content:	2%
Bit to Bend:	72" for fixed bend 88" for adj. bend housing

