



INNOVATIVE CASING & COMPLETION TECHNOLOGY **FIRST TIME... TO TARGET DEPTH**

www.deepcasingtools.com



GAME CHANGING
RAPID DRILL-THRU
CASING RUNNING SYSTEM

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TURBOCASERTM
EXPRESS



RAPID DRILL-THRU TURBINE POWERED CASING AND LINER REAMING SYSTEM

The Turbocaser™ Express is a drillable reaming system that enables casings and intermediate liners to be landed at target depth first time.

With the new ability to ream while running in, the casing can be run sooner while the hole is in best condition, eliminating wiper trips and open hole exposure.

Placed at the end of the string, Turbocaser™ Express down-hole turbine provides high speed rotation of a reamer shoe, independent of casing string rotation. The Turbocaser™ Express is used re-establish open hole conditions by removing debris, ledges, filter cake or other obstructions to ensure the string reaches target depth.

The casing is cemented in the normal manner. The Turbocaser™ Express is designed for very rapid drill out. Drill out time of the Turbocaser™ Express motor and system is under 15 minutes and a dedicated drill out is not required.

Turbocaser™ Express technology has been used to run full strings and liners to depth in difficult wells where conventional techniques have not been successful. Landing casing at the planned depth, with less risk and greater predictability, is the foundation of well integrity.

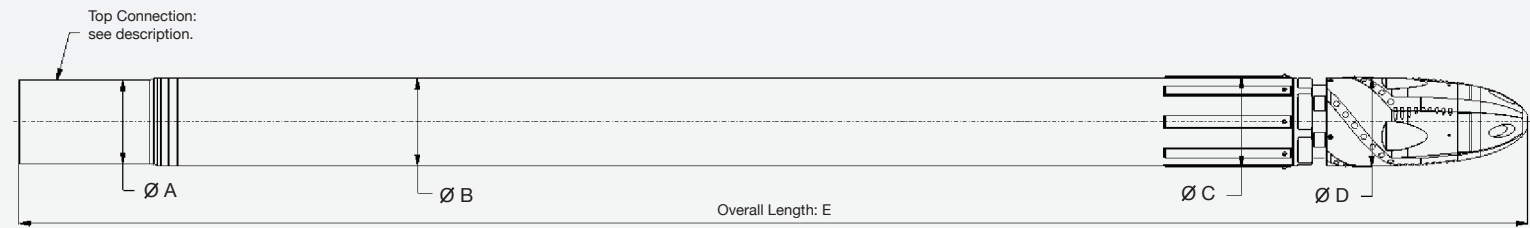
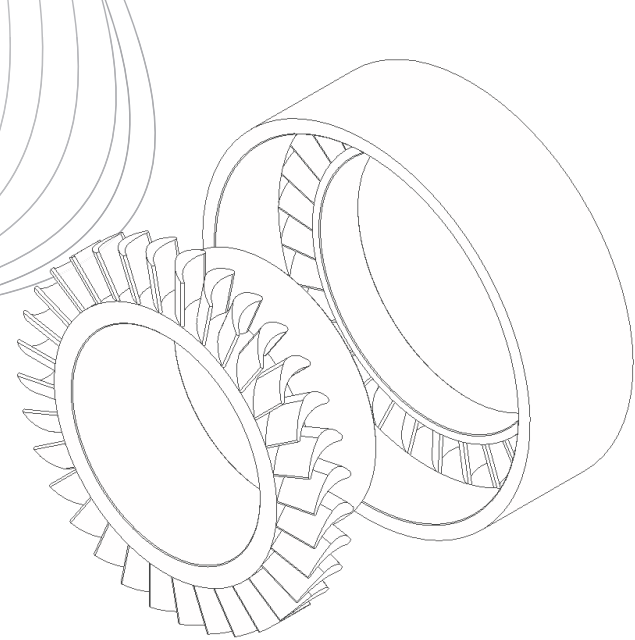
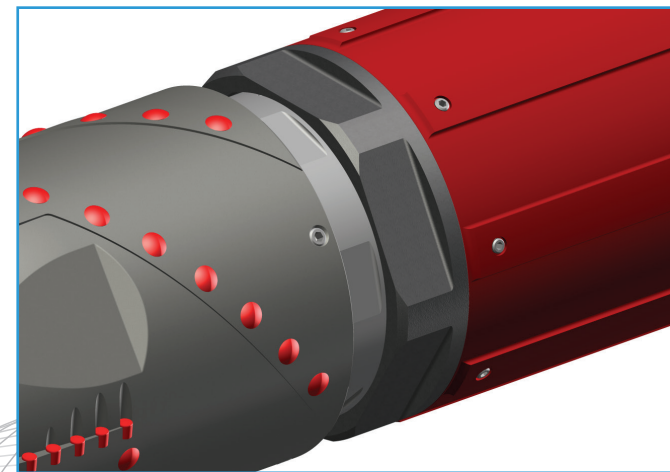
ELIMINATES WIPER TRIPS

LANDS CASINGS AND LINERS ON DEPTH

NO STRING ROTATION NECESSARY

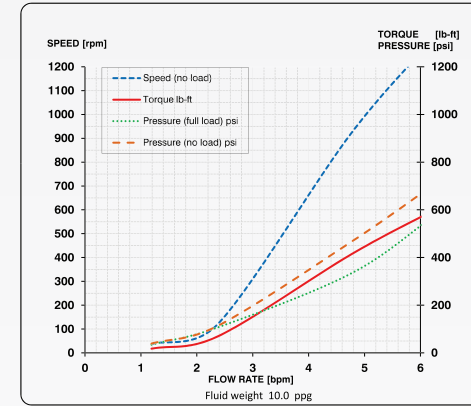
DRILL THRU AND DRILL AHEAD

LOW FLOW RATE



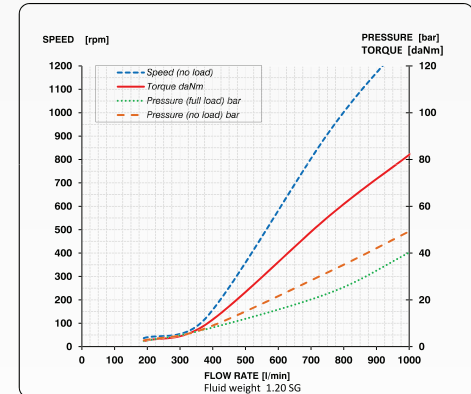
7.0" TURBOCASER™ EXPRESS

Imperial



* other options available

Metric



* other options available

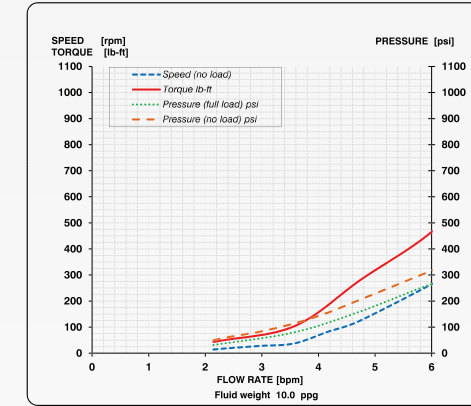
Standard Specification

	Imperial	Metric
Top Body OD A	7.717"	196.00mm
Body OD B	7.987"	202.86mm
Stabilizer OD C	8.219"	208.76mm
Reamer Bit * OD D	8.250"	209.55mm
Overall Length E	12.808ft	3.90m
Tool Weight	666lb	302kg
Top Connection *	7" VAM TOP HT #26	7" VAM TOP HT #26
Max DLS	14.0 deg/ 100ft 8.5 OH	14.0 deg/ 30m 215.9 OH
Drift	6.159"	156.44mm

*Client specified

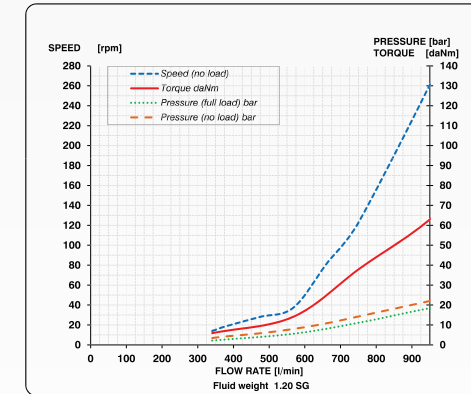
7 5/8" TURBOCASER™ EXPRESS

Imperial



* other options available

Metric



* other options available

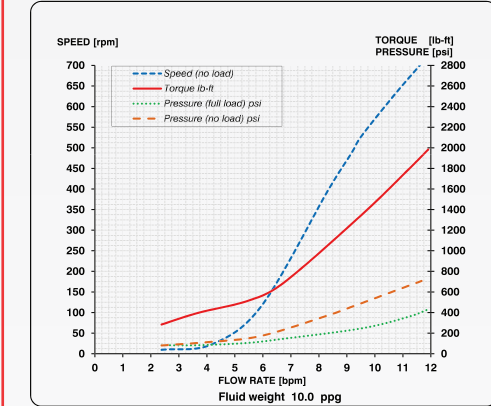
Standard Specification

	Imperial	Metric
Top Body OD A	8.904"	226.15mm
Body OD B	8.941"	227.10mm
Stabilizer OD C	9.594"	243.68mm
Reamer Bit * OD D	9.625"	244.48mm
Overall Length E	16.460ft	5.02m
Tool Weight	1,151lb	522kg
Top Connection *	7.625" VAM TOP #29.7	7.625" VAM TOP #29.7
Max DLS	12.0 deg/ 100ft 9 7/8 OH	12.0 deg/ 30m 250.8 OH
Drift	6.783"	172.30mm

*Client specified

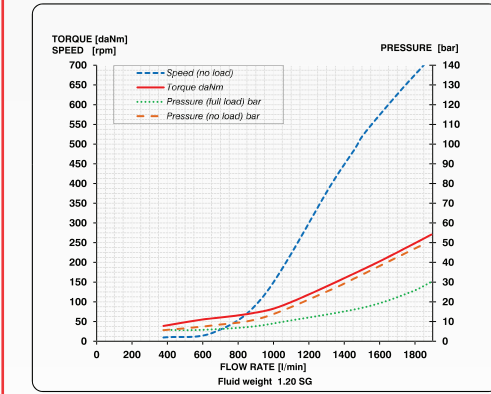
9 5/8" TURBOCASER™ EXPRESS

Imperial



* other options available

Metric



* other options available

Standard Specification

	Imperial	Metric
Top Body OD A	10.396"	264.05mm
Body OD B	11.181"	284.00mm
Stabilizer OD C	11.929"	303.00mm
Reamer Bit * OD D	12.000"	304.80mm
Overall Length E	12.810ft	3.91m
Tool Weight	1,372lb	622kg
Top Connection *	9.625" VAM TOP #47	9.625" VAM TOP #47
Max DLS	26.0 deg/ 100ft 12.5 OH	26.0 deg/ 30m 317.5 OH
Drift	8.559"	217.40mm

*Client specified

