

TOUGHER > FASTER > SIMPLER



EX90

NOMINAL TORQUE
106,000 ft-lb, 144 kNm

ACTUAL TORQUE
88,000 ft-lb, 119 kNm

SPIN OFF 85 rpm

LINE PULL 30,000 lb, 133 kN

WEIGHT 90,000 lb, 40 mt

MAX DEPTH 95 ft, 29 m

WATSONUSA.COM

800-927-8486

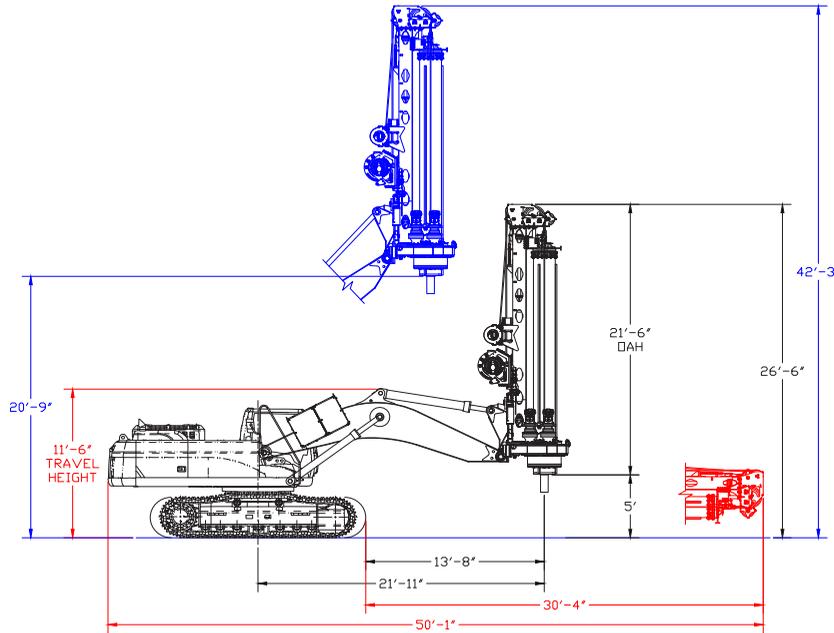


100% WATSON OWNED

DRILL MORE HOLES



EXCADRILL - EX90



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EX-90 Mast Height	16.5 ft	18 ft	21 ft	23 ft	25 ft
Kelly Bars / Max Depth 2-5 Square	53 ft	60 ft	75 ft	85 ft	95 ft
Kelly Bars / Max Depth 2-4 Round	38 ft	44 ft	56 ft	64 ft	72 ft

FASTER MOVES – LARGER HOLES

PERFORMANCE

NOMINAL TORQUE*	106,000 ft-lb	144 kNm
ACTUAL TORQUE*	88,000 ft-lb	119 kNm
SPIN OFF	85 rpm	
KELLY WINCH W/FREEFALL	30,000 lb	133 kN
SERVICE WINCH	12,000 lb	53 kN
CROWD FORCE	25,000 lb	111 kN
SIDE TILT	7° left/right	

CONFIGURATION (as illustrated above)

BASE MACHINE		30 - 40 mt
OPERATING WEIGHT**	90,000 lb	40.8 mt
DRILLING DEPTH **	59 ft	17.9 m
CROWD STROKE	13 ft	3.9 m
KELLY SET 4-BAR SQUARE		

STANDARD OPTIONS

Multiple masts and bar sets available to meet specific drill depth needs, overhead height requirements and transport weight to meet haul trailer and DOT standards
 Quick Disconnect Boom/Counterweight
 Custom Kelly Stubs, Service Winches and Paint Schemes
 Reaction Jack for increased performance on hard rock

DEFINING FEATURES

- Hydraulic Rotary** achieves max torque and max spin off without clutches or gear shifting
- Full Excavator Horsepower** delivered to the tool
- Interchangeable Heavy Duty Kellys**, swap square & round kellys to match drilling conditions
- Large Diameter 24" Rotary** utilizes **Bigger Bars** which means less wear
- Full Top Crowd** drills straighter holes and simplifies bar locking
- Single Layer, Grooved Kelly Winch** drum for max line pull and longer rope life
- Controlled Freefall**, two-speed Kelly winch for faster cycle times
- Optimized Hydraulic Interface** for simpler operation and maintenance

* Nominal Torque (aka Rated Torque) is published by all manufacturers but is actually a theoretical calculation that ignores the 15% - 20% efficiency loss present in all rigs.

** Actual Torque is the usable torque at the tool determined through testing of every Watson rig. This value is not typically shared by manufacturers.

** Drill depths and weight dimensions are dependent on mast height and kelly bar configurations.