

TOUGHER > FASTER > SIMPLER



EX20

NOMINAL TORQUE
24,000 ft-lb, 32.5 kNm
ACTUAL TORQUE
21,000 ft-lb, 28.4 kNm

LINE PULL 12,000 lb, 53 kN
WEIGHT 39,220 lb, 17.8 mt
MAX DEPTH 66 ft, 20 m

WATSONUSA.COM
800-927-8486



100% WATSON OWNED

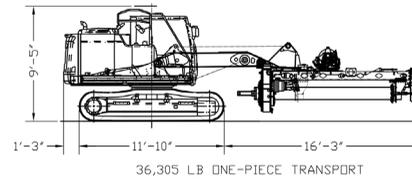
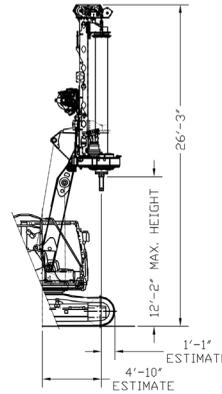
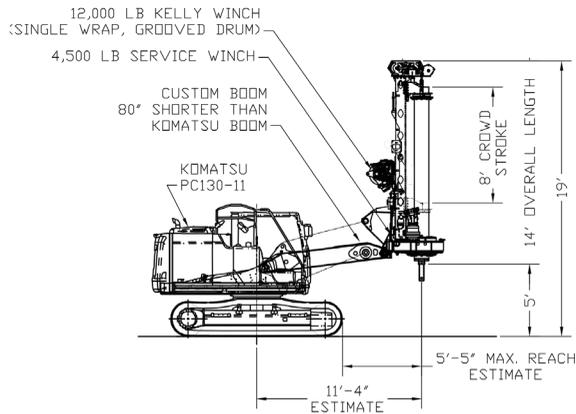
DRILL MORE HOLES



EXCADRILL - EX20



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EX-20 Mast Height	10 ft	12 ft	14 ft	16 ft	18 ft
Kelly Bars / Max Depth 2-5 Square	26 ft	36 ft	46 ft	54 ft	66 ft
Kelly Bars / Max Depth 2-5 Round	22 ft	32 ft	42 ft	50 ft	62 ft

FASTER MOVES – LARGER HOLES

PERFORMANCE

NOMINAL TORQUE*	24,000 ft-lb	32.5 kNm
ACTUAL TORQUE*	21,000 ft-lb	29 kNm
SPIN OFF	100 rpm	
KELLY WINCH W/FREEFALL	12,000 lb	53.4 kN
SERVICE WINCH	4,500 ft-lb	20 kN
CROWD FORCE	15,000 lb	66.7 kN
SIDE TILT	7° left/right	

CONFIGURATION (as illustrated above)

BASE MACHINE		12-15 mt
OPERATING WEIGHT**	39,220 lb	17.7 mt
DRILLING DEPTH **	46 ft	14 m
CROWD STROKE	4' - 12' ft	1.2'-3.7' m
KELLY SET 5-BAR SQUARE		

DEFINING FEATURES

- Single Drive Rotary with shiftless operation from 21,000 ft-lb to 100 rpm
- Full Excavator Horsepower delivered to the tool
- Large Diameter Rotary and bigger bars means less wear
- Full Top Crowd drills straighter holes and simplifies bar locking
- Single Layer, Grooved Kelly Winch Drum for maximum linepull and longer rope life
- Controlled Freefall, two-speed kelly winch for faster cycle times
- Optimized Hydraulic Interface for simpler operation and maintenance

STANDARD OPTIONS

- Five mast heights from 10' to 20' (14' shown above)
- Up to 5-element Kelly bar for depths to 66 ft (20 m)
- Round locking or square friction kellys
- Service Winch - 4,500 lb

* 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.