

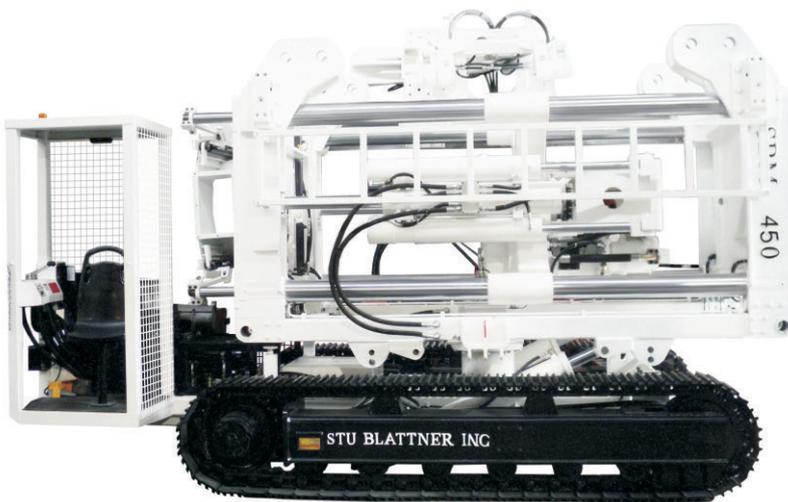
RAISE BORE

MODEL 450

Here is a complete system for drilling long holes and boring raises up to 7 ft (2.1 m) in diameter and up to a maximum of 1,250 ft (380 m) in length. The system includes an Electro-hydraulic Power Pack with integral controls with a remote Control Station plus tools to make up or break out threaded pipe connections.

Variable speed and constant torque of the hydraulic drive enable you to adjust rotary speed to match exactly your drilling conditions.

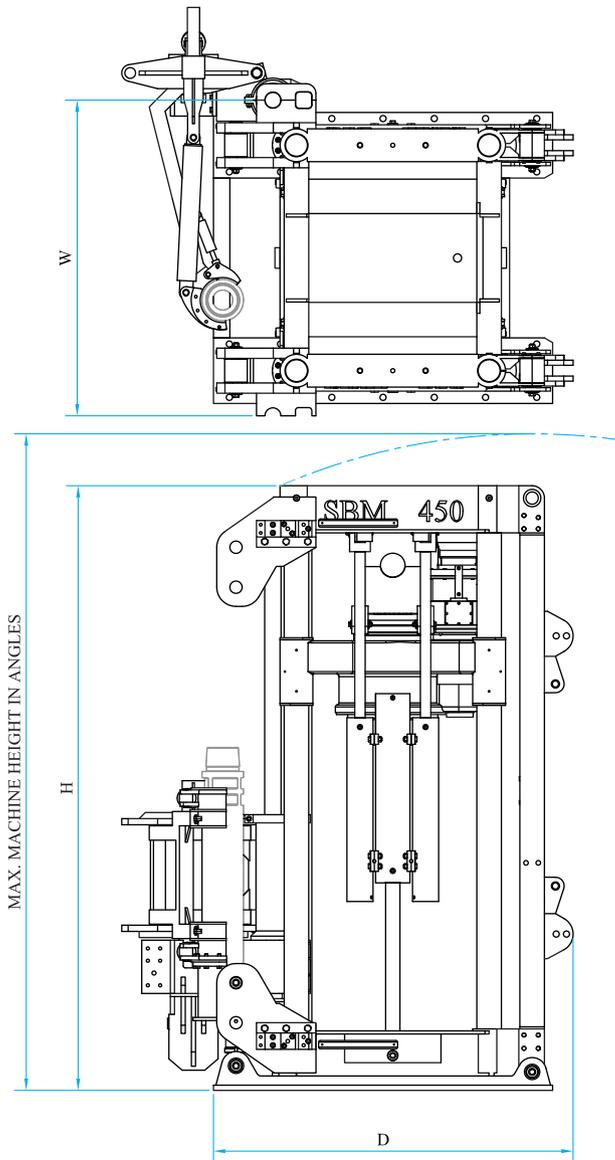
Since the rotary speed shift is hydraulically done it is possible to change from high-speed range during the pilot to low during the reaming.



This machine differs from the other ones, because it can drill Boxholes of 28 inches (0.7 m) in diameter and up to a maximum of 196 ft (60 m) in length. It is put on a crawler which moves it and where it can be rotated 180° manually. After that, 2 cylinders set the machine up. Finally, a chute is installed to protect the machine and deflect the chips.

MODEL SBM 450

PERFORMANCE SPECIFICATIONS



(*) The larger capacities are possible in certain rock conditions.
 (**) At 5,000 psi (35 Mpa).
 (***) Includes Pipe Positioner weight.

	Raise Boring	Boxhole
Nominal Diameter Capacity (*).....	7 ft 2.1 m	28 in 0.7 m
Nominal Length Capacity (*).....	Up to 1,250 ft Up to 380 m	Up to 196 ft Up to 60 m
Total Installed Horsepower.....	200 hp 150 kW	
Reaming Thrust (**).	384,000 lbf 1,700 kN	
Max. Torque.....	60,000 lbf-ft 81 kN-m	
Dip Angle Adjustment.....	45° - 90°	60° - 90°

DIMENSIONAL DATA

Machine Width (W).....	6 ft 5 in 1,960 mm
Machine Height (H).....	12 ft 6 in 3,810 mm
Max. Machine Height in Angles.....	13 ft 6 in 4,120 mm
Machine Depth (D).....	7 ft 4 in 2,240 mm
Weight(***).....	27,000 pounds 12,300 kg
Drill Pipe.....	10 in x 5 ft 254 mm x 1.5 m

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