

McL-54/60 Turbo Charged Diesel Auger

McLAUGHLIN®

Providing Solutions Since 1921

CASED AUGER BORING 16" – 60"

McLaughlin auger boring machines are equipped to handle the tough jobs, the every-single-day jobs – and our 54/60 is built for the toughest jobs of all.

Auto thrust control

Three hydraulic rams with auto thrust control and infinitely adjustable speed provide 475 tons of forward thrust.

High-torque safety

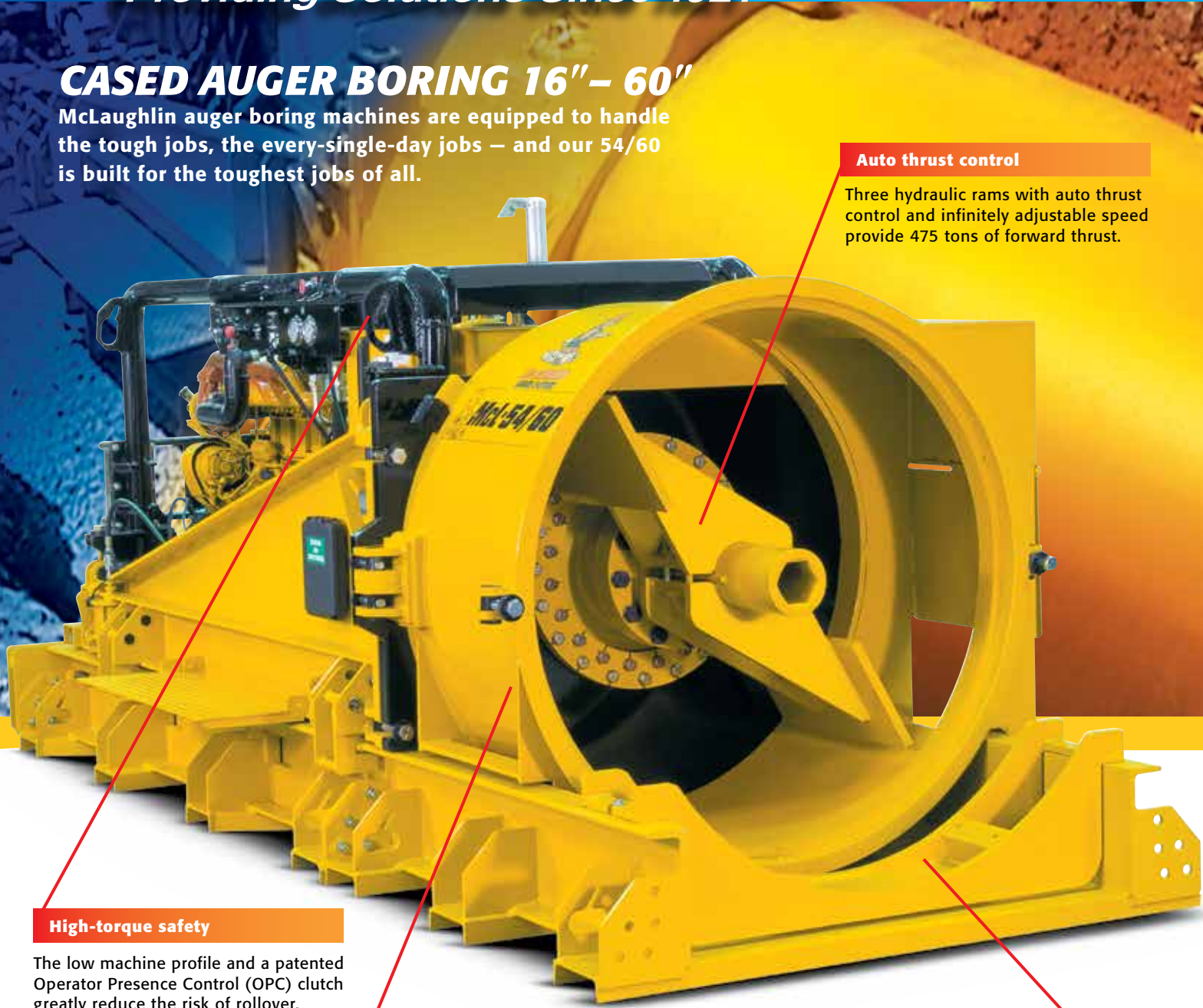
The low machine profile and a patented Operator Presence Control (OPC) clutch greatly reduce the risk of rollover, which is critical for high-torque auger machines.

Power that delivers

The McL-54/60 is the largest and most powerful auger in our line, delivering 950,000 lb of forward thrust and 200,000 ft/lb of peak torque in all types of soils.

Easier positioning

The split design of the hydraulics and the powertrain allow for easier and faster positioning in tight spaces.



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The McLaughlin 54/60 auger boring machine has the power to deliver time and time again on the most challenging boring projects.

Specifications	
Boring range	16" to 60" (41 cm to 152 cm) cased bore
Engine	Air-cooled, in-line 6-cylinder diesel, turbo charged; 12 VDC electric system; 174 hp Gross Int. (ISO) (129 kW) @ 2300 RPM; and 168 hp Gross Cont. (ISO) (125 kW) @ 2300 RPM
Transmission	5 forward speeds, 1 reverse
Clutch	Hydraulic clutch with OPC
Final drive	Planetary reduction, 4" (10 cm) hex chuck
Auger torque	200,000 ft/lb peak (271,164 Nm) in 1st gear
Forward thrust	950,000 lb (4228 kN) max. @ 5000 psi (345 bar) with infinitely adjustable thrust speed
Dog plate	Hydraulically activated with dog pin indicators and fast feed
Hydraulic parameters	5000 psi (345 bar) max. system; Pressure comp. pump with load sense; 48 gpm (182 lpm) @ 2500 RPM; Hydraulic tank capacity 58 gallon (219 L); and Oil level sight gauge and temp. cleanout ports
Hydraulic filtration	Suction strainer – 100 mesh in-tank return filter – 12 micron replaceable element
Fuel tank	15 gal (57 L) capacity with sight gauge
Machine	74" (188 cm)W x 12'6" (3.8 m)L x 64" (163 cm)H
Centerline	32.5" (83 cm)
Jacking station	7180 lb (3257 kg)
Carriage	7560 lb (3429 kg)
Casing pusher	1360 lb (617 kg)
Track	66" (168 cm)W x 9' (274 cm)L x 14.5" (37 cm)H – 1500 lb (680 kg)
Track extension	5' (152 cm) – 950 lb (431 kg)
Push plate	420 lb (191 kg)

Features



- Split design reduces weight when moving in and out of trenches. The quick-couple system for both hydraulics and powertrain provides quick and easy assembly.
- The jacking station is one continuous rigid member and the front plate is welded to the side rails for increased strength.
- The powertrain includes an air-cooled, 6-cylinder diesel engine, eliminating the need for a radiator in the bore pit.
- Long-stroke triple cylinders and an auto hydraulic dog plate help increase efficiency and speed.
- The OPC hydraulic clutch reduces spinback and risk of machine rollovers.
- A heavy-duty gusseted track keeps tracks straight.
- The low machine profile adds stability and reduces bore pit depth.
- An extra large hydraulic reservoir reduces heat and increases component life.
- Three hydraulic rams with auto thrust control and infinitely adjustable speed deliver 475 tons of forward thrust.

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