

McL-12HB *Hydraulic Power Auger Boring Machine*

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Providing Solutions Since 1921

3"–10" ZIPPER AUGER BORING

The McLaughlin McL-12HB auger boring machine is a versatile and economic solution that can be powered by a mini excavator, backhoe or McL-3000 power pack. Free bore or case bore available.

Precise control

The variable speed valve gives precise control of the auger speed to 120 rpm.

Operating versatility

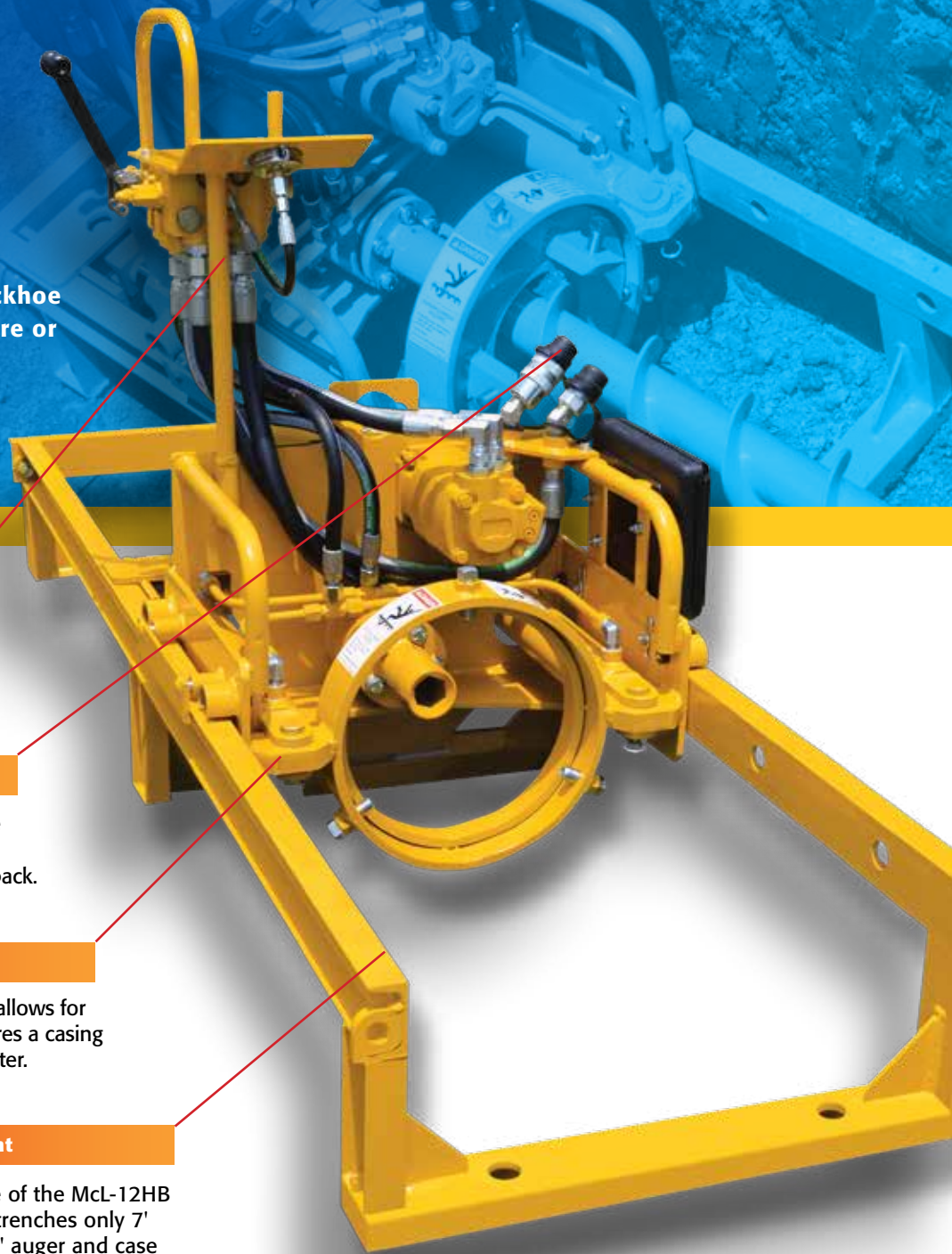
With remote hydraulic hookups, the McL-12HB can be powered with a backhoe, mini excavator or power pack.

Power that delivers

The in-line cylinder design allows for maximum thrust and features a casing pusher for up to 10" diameter.

Compact footprint

The short carriage of the McL-12HB enables setup in trenches only 7' in length with a 4' auger and case bore 10' section with a 13' track.



McL-12HB Hydraulic Power Auger Boring Machine



An innovative concept in horizontal auger boring systems, the McL-12HB hydraulic powered zipper is designed for speed and use in limited easement areas to install small diameter casing or PVC pipe economically.

Specifications	
Auger capacity	3" to 8" (7.6 to 20.3 cm) free bore 4" to 10" (10.2 to 25.4 cm) cased bore
Hydraulic requirements	15 gpm (56.8 L/min) to 25 gpm (94.6 L/min) max. @ 2500 psi (172.4 bar) max.
Auger speed	120 rpm @ 20 gpm (75.7 L/min)
Torque	1030 ft-lb @ 2500 psi (1396.5 Nm @ 172.4 bar)
Thrust	24,500 lb @ 2500 psi (11,113 kg @ 172.4 bar)
Drives available	13/16" Hex (2.1 cm) 1-1/8" Hex (2.9 cm) 1-3/8" Hex (3.5 cm) 1-5/8" Hex (4.1 cm)
Bore centerline	9-1/2" (24.1 cm)
Carriage dimensions (mounted)	26" (66 cm) wide x 46" (116.8 cm) high with remote valve 24" (61 cm) high
Carriage weight (less dog plate)	320 lb (145.2 kg)
Track	7' (2.1 m) track — 85 lb (38.6 kg) 6' (1.8 m) track — 75 lb (34 kg)

Features



- Compact and lightweight design for easy setup with minimal support equipment.
- Dual purpose machine – install free bores 3" to 8" in diameter or auger bore PVC pipe or steel casings 4" to 10" in diameter.
- Twin hydraulic cylinders on bore centerline ensure thrust is delivered in-line with auger carriage providing a full 24,500 lb of thrust at 2500 psi.
- Cam rollers eliminate friction and reduce wear between the carriage and tracks for longer life and improved performance.
- Foot-actuated, spring-loaded dog plate provides a simple and reliable method for quickly securing and retracting dog pins.
- Variable speed hydraulic valve provides up to 120 rpm auger speed @ 20 gpm for controlled boring installation.
- Powerful hydraulic motor generates 1030 ft-lb torque @ 2500 psi for tough boring conditions.

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