

ON TARGET Steering System **McLAUGHLIN**®

Providing Solutions Since 1921

360° ON TARGET STEERING

Up until now, auger boring contractors were limited to a steering head that offered only horizontal or grade direction changes during the bore.

The ON TARGET system allows contractors to also control the direction of the bore in a lateral movement, providing more accuracy for difficult on-grade bores ranging from 16 to 60 inches in diameter.

Easier to control

The cutting path – grade and lateral movement – of the steering head is controlled by hydraulic actuated flaps that open and close to keep the head on the intended path.

More productive

Installs on-grade/on-line casings in one pass compared to the multiple passes required with pilot tube guided boring.

Cost-effective

Completes longer on-grade bores compared to other methods, at a reduced cost, while helping contractors complete more bores in a time-efficient manner.

Accurate

A built-in vertical alignment sensor provides continuous monitoring of grade, while twin line projection halogen lights enclosed in the steering head offer the ability to check and maintain line throughout the bore.



ON TARGET Steering System

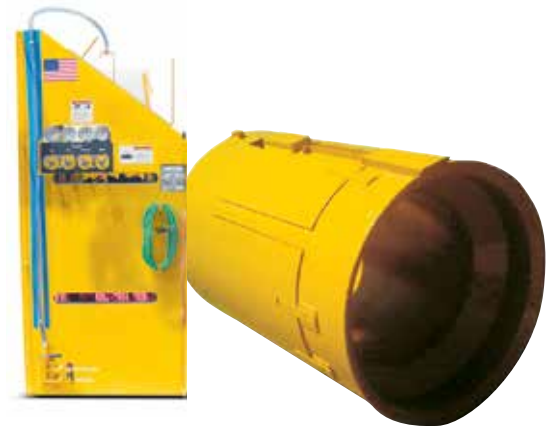


The ON TARGET system is designed to work with any auger boring system ranging from 16 to 60 inches in diameter.

Control Specifications

Weight	2800 lb (1270 kg)
Width	32" (81.3 cm)
Length	95" (241.3 cm)
Height	78" (198.1 cm)
Hose length	400' (121.9 m)
Hydraulic pressure	6500 psi (448 bar)
Water pump	½ hp (.37 kW)
Water capacity	50 gal (189.2 L)
Battery	12 volt for alignment lights
Power source required	120 volt

Features



- The self-contained control station controls the movement of the steering head and includes charged grade indicator. Control station also maintains all hydraulic, water and electrical lines.
- The simple design does not require the use of special technicians.
- Features a hard-faced cutting edge for extended life.
- Contains a tapered band for improved cutting efficiency.
- An optional integrated sonde housing is available.
- The flaps carry the first piece of casing to minimize pipe drag.

Steering Head Diameter

Weight

16" (40.6 cm)	1200 lb (544 kg)*
24" (60 cm)	2100 lb (953 kg)
30" (76.2 cm)	4200 lb (1905 kg)
36" (91.4 cm)	5150 lb (2336 kg)
42" (106.7 cm)	6200 lb (2812 kg)*
48" (121.9 cm)	7000 lb (3175 kg)*

* Estimated weight.

The ON TARGET steering system features a 50-gallon water tank and 6500 psi hydraulic pump to provide easy maintenance of all hydraulic, water and electrical lines.



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