

T1860

MECHANICAL DRIVE
CHAIN TRENCHER

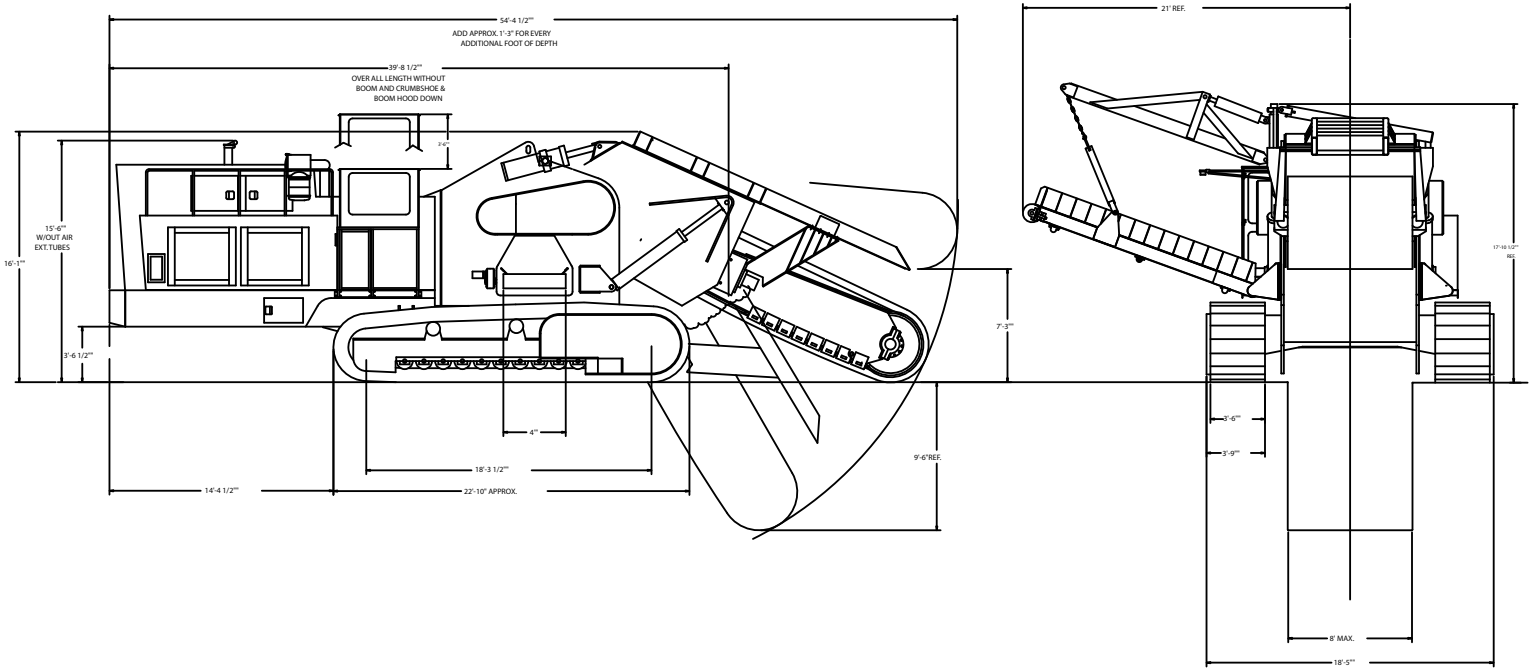
TRENGOR

by ASTEC



BREAKTHROUGH SOLUTIONS

T1860 Mechanical Drive Chain Trencher



ENGINE

- Caterpillar® 3512 diesel, 1200 hp (895 Kw) @ 1,800 RPM, powers the digging chain.
 - Caterpillar® C9 diesel, 350 hp (261 Kw) @ 2,100 RPM, is used for all other functions.
- Both engines:
- Tier 2 Stage IIA emissions
 - 24-volt DC electrical system
 - Cooling system — up to 120 F ambient (49 C)
 - Heavy-duty 2-stage air cleaner
 - Muffler

FUEL CAPACITY

Dual tanks 820 gal. (3,100 L)
 Operation 11 hours at full horsepower

HYDRAULIC SYSTEM

Capacity 345 gal. (1,305 L)
 Crawler drive Closed loop piston pumps
 Conveyor drive Closed loop piston pumps
 Accessory Open loop

TRACK DRIVE

Infinitely variable hydrostatic/mechanical consisting of a two-speed hydraulic motor driving a planetary gearbox and single-stage roller chain
 Speed 0 to .75 mph (1.2 kph)
 Track control Independent proportional electric over hydraulic
 Load control Microcontroller with bypass
 Crawlers Extra heavy-duty Caterpillar components mounted on special heavy-duty long frames.
 Grouser Minimum 36-inch (914.4 mm) wide, low-profile double grousers

OPERATOR STATION

Fully enclosed, air conditioned, heated, and pressurized cab
 Elevation 42 in. (1,066.8 mm)

DIGGING ASSEMBLY

Heavy-duty mechanical chain drive. Power shift transmission with integral three-element torque converter. Four trenching speeds and reverse.
 Trench depth 10 to 35 ft. (3.1 to 10.7 m)
 Trench width 36 to 96 in. (914.4 to 2,438.4 mm)
 Width and depth maximums are subject to approval.

CONVEYOR

Arc type conveyor with hydraulic shift
 Belt width 48 in. (1,219.2 mm)
 Belt speed 0 to 900 fpm (274 mpm)

ADDITIONAL STANDARD ITEMS

- Floating wear plates
- Laser interface
- Work lights (2 fore/2 aft)
- Personnel guard

OPTIONAL EQUIPMENT

- Top rollers on boom
- Cold weather package
- Hydraulic fold-up crumber
- Berm scrapers
- Air compressor and lube equipment
- Roadminer attachment
- Various types and widths of track pads
- Additional hoist capacity
- Automatic laser control for grade
- Additional boom weight

APPROXIMATE WEIGHT AND DIMENSIONS

Weight 400,000 - 450,000 lbs. (180,000 - 200,000 kg)
 Width 18 ft. 5 in. (5.61 m)
 Height 16 ft. 1 in. (4.90 m)
 Length [with 12 ft (3.6 m) boom] 54 ft. 4.5 in. (16.57 m)

IMPORTANT: Astec Underground reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for world-wide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Astec dealer/distributor will be able to give you details of the products and their specifications available in your area.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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