

T1660

MECHANICAL DRIVE
CHAIN TRENCHER

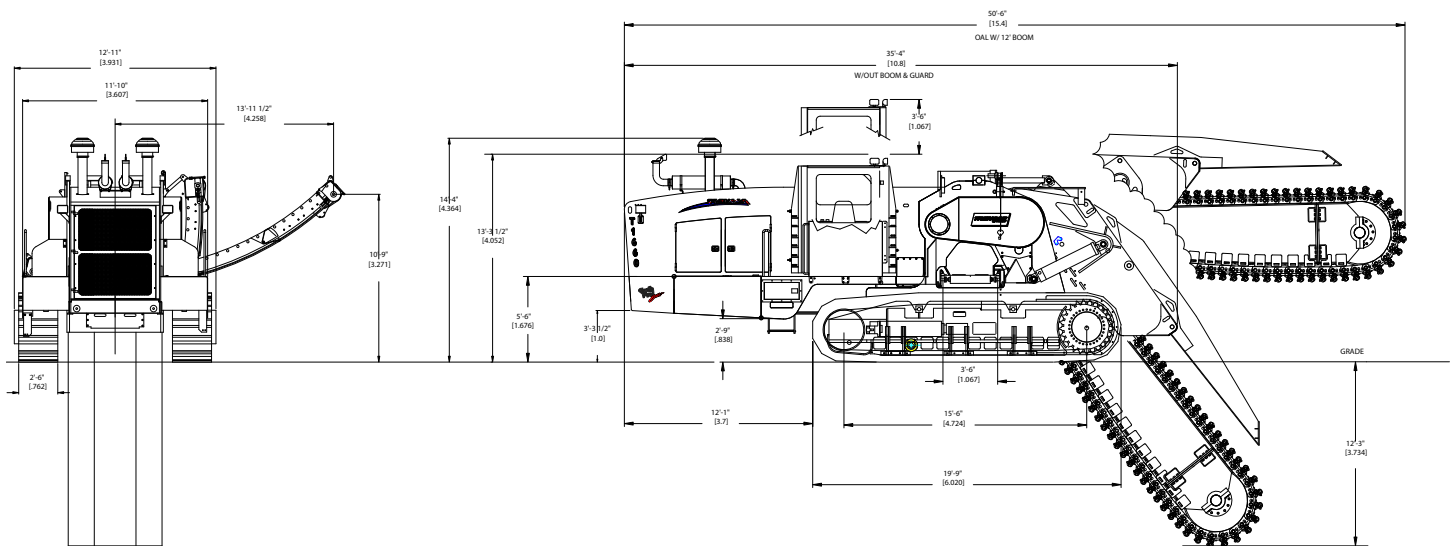
TRENCOR

by ASTEC



BREAKTHROUGH SOLUTIONS

T1660 Mechanical Drive Chain Trencher



ENGINE

- Caterpillar® C27 Acert turbocharged diesel, Tier 2 Stage IIA emissions
- 801 hp (597 Kw) @ 2100 RPM
- 2697 ft-lbs (3657 N-m) @ 1400 RPM
- Fuel rate consumption: 39 gal. (148 L)/hour at full horsepower
- 24-volt DC electrical system
- Cooling system — up to 125 F ambient (52 C)
- Heavy-duty 2-stage air cleaner
- Muffler
- Tachometer

FUEL CAPACITY

Dual tanks506 gal. (1,915 L)
 Operation 13 hours at full horsepower

HYDRAULIC SYSTEM

Capacity330 gal. (1,250 L)
 Crawler driveClosed loop piston pumps
 Conveyor driveClosed loop piston pumps
 Accessory.....Open loop

TRACK DRIVE

Infinitely variable hydrostatic/mechanical
 Speed 1 mph (1.6 kph)
 Track control..... Independent proportional electric over hydraulic
 Load controlMicrocontroller with bypass
 Crawlers Cat 245 9-pitch components
 Grouser.....36-inch (914 mm) wide, low-profile double grousers

OPERATOR STATION

Fully enclosed, air conditioned, heated, and pressurized cab
 Elevation42 in. (1067 mm)

DIGGING ASSEMBLY

Heavy-duty mechanical chain drive. Power shift electronic controlled transmission with four trenching speeds and reverse.
 Tailwheel: 48-in. (1219 mm) diameter **forged** (not welded plate) ring
 Trench depth
6-, 8-, 10-, & 12-ft (1829-, 2439, 3050-, & 3658-mm) primaries
2-, 4-, 6-, & 8-ft (610-, 1219-, 1829-, & 2438-mm) extensions
 Trench width
 Double D-8 on 12-in (305 mm) centers 28 to 38 in (711 to 965 mm)
 Double D-8 on 16-in (406 mm) centers 32 to 42 in (813 to 1067 mm)
 Double D-8 on 20-in (508 mm) centers 36 to 46 in (914 to 1168 mm)
 Double D-8 on 24-in (610 mm) centers 40 to 60 in (1016 to 1524 mm)
 Triple D-8 on 16-in (406 mm) centers 48 to 60 in (1220 to 1524 mm)
 Triple D-8 on 20-in (508 mm) centers 56 to 60 in (1422 to 1524 mm)

CONVEYOR

Arc type conveyor with hydraulic shift
 Belt width42 in. (1,067 mm)
 Belt speed.....0 to 820 fpm (250 mpm)

ADDITIONAL STANDARD ITEMS

- Bottom tail wheel transition wear plates
- Personnel guard
- Noise abatement equipment
- Work lights (2 fore/2 aft)

OPTIONAL EQUIPMENT

- Automatic laser control for grade
- Automatic laser control for steering
- Hydraulic fold up crumb shoe
- Auxiliary truck loading conveyor
- Roadminer attachment
- Berm scrapers
- Tail wheel weights
- Manual lube kit
- Cold weather package
- CE Package

APPROXIMATE WEIGHT AND DIMENSIONS

Weight215,000 - 250,000 lbs. (97,522 - 113,400 kg)
 Width 12 ft. 10 in. (3.91 m)
 Height 14 ft. 4 in. (4.37 m)
 Length [with 12 ft (3.6 m) boom] 50 ft. 6 in. (15.39 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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