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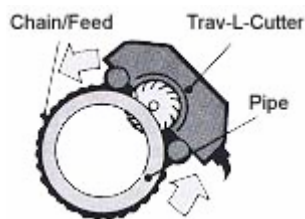
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Trav-L-Cutter Pipe cutting and beveling machine



Trav-L-Cutter is a portable milling machine. It makes cold cuts, and/or bevels at the same time on all pipe sizes from 6" and up, on all pipe schedules and on any material that can be machined. Secured by its own tensioning chain, it crawls around the pipe, cutting and/or beveling at the same time.

Operates Anywhere

With air or hydraulic power, the Trav-L-Cutter will operate on horizontal or vertical pipe, in the field or in the shop. It cuts and bevels in a mud filled ditch or under water, where it has been used in chambers and free diving to depths of 600 feet.



All Pipe Diameters, Including Tanks

Any machineable material such as carbon steel, stainless steel, ductile iron, cast iron and most alloys, in all pipe sizes from 6" to 72" can be cold cut and beveled simultaneously. Even tanks and vessels up to 33 feet in diameter can be precision cut.

Machine Shop Accuracy within .005"

A smooth machined finish with typical tolerances of up to 1/16" closure is normal. The chain feed system provides positive drive under all conditions for accurate, clean cuts while maintaining continuous out of round compensation. Accuracy of up to .005" is maintained by using an accessory Guide Track, available for all pipe diameters.



Use of the track and special Guide Track Wheels allows cutting with machine shop accuracy in zero visibility situations. On all vertical pipe cuts; underwater cuts and for all multiple pass cutting.

Safe, Cold Cutting

The Trav-L-Cutter can be used in explosive conditions, on natural gas, crude, product and fuel lines. It has even been used to cut missile fuel cells.

Fast, Reliable

A standard wall pipe can be cut and beveled with a cutting speed of approximately 1 minute per 1" of pipe diameter. Cutting time varies for heavier walls and harder alloys. Due to its rugged construction, it is not unusual to find machines still operating after 10 or 20 years of severe service.

The Cutting Method

Trav-L-Cutter high-speed milling cutters remove 3/16" of metal while cutting, leaving the pipe end with a machined finish and the physical properties unchanged. This cutting method facilitates section removal in the field. New sections, pre-cut by the same method are easily dropped in place.

Compact Design, Easy Set-up

Lightweight, low profile design needs only 10" to 12" of clearance and set up time is ten minutes or less. Once the adjustable drive chain is pinned together and tensioned around the pipe the machine is ready to operate.

Standard Weld Prep Capability

Any type of weld prep detail can be achieved from a common 300 or 37-1/20 bevel on standard wall carbon steel to multiple-angle J bevels, with counterbore and taper, on extra heavy wall chrome-moly.

Grooved, Mechanical Joint Preparation

The Trav-L-Cutter can simultaneously cut off and groove pipe in one cut. Cutters are available for Victaulic and other grooved coupling systems.

Offshore or Pipe Line Maintenance

The Hydraulic Trav-L-Cutter offers the inherent advantages of a completely sealed and self-lubricating closed loop system. The Model HE is particularly suited to field machining operations under the type of hostile conditions often found in pipe line maintenance and construction such as dirt, sand and water. It is a portable pipe cutting machine that can be used conveniently on offshore drilling rigs, pipe lines and on construction work in rivers and harbors.

Corrosion Resistant

Corrosion from constant exposure to salt water can be minimized with an accessory package that includes extensive use of stainless steel fasteners, special bearings and seals and high zinc coating.



Capacity

6" thru 72" (153 to 1829 mm) pipe, large diameter vessels. All schedules.

Cutter Drive:

Pneumatic: 4 H.P. Governed Air Motor coupled with worm gearbox

Hydraulic:

As above, with hydraulic motor

Cutter Speed:

Pneumatic: 55 R.P.M. Internally adjustable from 35 to 55 R.P.M. for use on alloys that might become work hardened. Hydraulic; Adjustable 0-60 R.P.M.

Feed:

Pneumatic: 3/4 H.P. Air Motor coupled through overload clutch, gearbox and chain reduction to final machine drive sprocket. Hydraulic: 4 H.P. Hydraulic Moto

Feed Method:

Positive, non-slip chain drive

Hydraulic Requirements:

15 gpm @ 1500 psi. (57 l/s @ 106 bar)

Work Speed:

3" of surface feed per minute, maximum (1 Dia. In/Min). i.e. 10" pipe - 10 minutes, 20" pipe - 20 minutes. Reduced feeds required over 1/2" wall and most alloys.

Clearance:

10" to 12" (254 to 305 mm) radial, depending on pipe diameter. 20" axial (508 mm)

Weight:

Operating - 215 lbs. (97.7 kgs)
Shipping (typical): 418 lbs. (190 kg)

Dimensions:

Length: 24" (61 cm)
Width: 20" (51 cm)
Height: 10-3/4" (28 cm)