



DITCH WITCH MT12

MICROTRENCHER





⚠ DANGER

⚠ DANGER
MOVING PARTS
KEEP AWAY FROM
MOVING PARTS TO
PREVENT INJURY

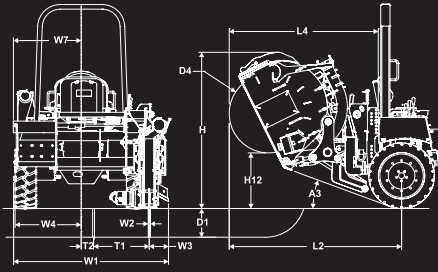


RULE WITH AN IRON FIST.

DITCH WITCH MT12 MicroTrencher

Throughout the world, demand is increasing for faster broadband communications, necessitating an increase in the installation of high-speed fiber-optic cable for commercial and residential use. Many fiber-deployment contractors prefer underground installation to reduce the risk of cable damage due to the elements (e.g., ice storms and high winds). With its ability to install fiber in congested urban areas with unbeatable efficiency, the Ditch Witch® MT12 MicroTrencher offers underground contractors a highly cost-effective solution.





SPECIFICATIONS

DIMENSIONS	U.S.	METRIC
Trench Depth	6.5 - 12.5 in	165 - 318 mm
Blade Diameter	34 in	864 mm
Attachment Height	68 in	1.73 m



THE DITCH WITCH MICROTRENCHING SYSTEM

The MT12 MicroTrencher is part of a complete microtrenching system offered by the Ditch Witch organization, which includes:

- A specially configured Ditch Witch RT45 or RT55 base unit trencher.
- A choice of four saw blades, each specially designed and manufactured by the Ditch Witch organization to cut precise, narrow trenches in asphalt.
- A specially configured FX60 vacuum excavation system equipped with a cyclonic separator—an advanced filtration system designed to handle the dry, dusty spoils produced by microtrenching.

With its unique saw blades, the MT12 cleanly slices through asphalt to create the ideal trench for fiber-optic cable installation—from 0.75 inches (19 mm) to 1.25 inches (32 mm) wide, and up to 12 inches (305 mm) deep—in one quick, efficient pass.

When utilizing the FX60 vacuum excavator, which can be positioned either in front of the trencher or to the rear, the Ditch Witch microtrenching system removes spoils as they are created by the saw blade, which reduces cleanup time and

labor expense. The MT12 can also be equipped with onboard chutes that deposit spoils along the side of the trench, for easy cleanup.

The narrow, shallow trench created by the MT12 enables contractors to install fiber above existing utilities, so there is minimal disruption of surrounding infrastructure, which saves time and money.

The trenching depth of the MT12 is mechanically adjustable—from 6 inches (152 mm) to 12 inches (305 mm) in one-inch increments. This feature helps the operator maintain a consistent depth for the entire length of the trench. The MT12 MicroTrencher can also be manually tilted 6 degrees to the right or left, which helps the operator maintain a true vertical trench on uneven surfaces.

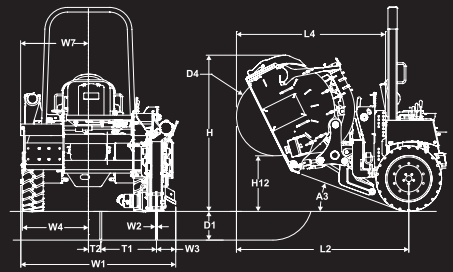
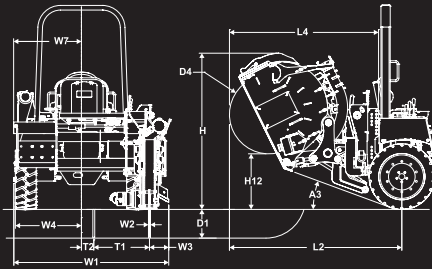
Often it is necessary to cut a trench right next to and parallel to curbs and gutters, which is why the MT12 saw is designed to hydraulically traverse 24 inches (610 mm) from the center of the machine to the right.

DITCH WITCH MT12 MicroTrencher



KEY FEATURES

- MT12 is part of a complete microtrenching system, the components of which are all designed and manufactured by the Ditch Witch organization to work together with unbeatable efficiency.
- Choice of four specially designed and manufactured saw blades—with widths of 0.75 inches (19 mm), 0.95 inches (24 mm), and 1.25 inches (32 mm)—that can quickly and cleanly create an asphalt trench in one pass, reducing labor expense.
- Each blade can be easily changed in the field with standard hand tools, reducing downtime.
- Three blades feature conical bits that can be replaced in the field, a design that extends the life of the blade and reduces maintenance expense; a fourth blade features welded shark teeth.
- Trenching depth is mechanically adjustable—from 6 inches (152 mm) to 12 inches (305 mm) in one-inch increments—to help maintain a consistent depth for the entire length of the trench.
- The MT12 MicroTrencher can be manually tilted 6 degrees to the right or left, which helps the operator maintain a true vertical trench on uneven surfaces.
- MT12 saw is designed to hydraulically traverse 24 inches (610 mm) from the center of the machine to the right, for trenching next to curbs and gutters.
- Versatile MT12 may also be used for other roadway applications, including:
 - Cutting expansion joints
 - Utility repair, e.g., sawing square sections of roadway prior to excavation
 - Maintenance, e.g., trimming the rugged edges of new layers of asphalt to make a clean shoulder



SPECIFICATIONS

MT12 ON RT45

MT12 ON RT55

DIMENSIONS

A3	ANGLE OF DEPARTURE	19°
D1	TRENCH DEPTH, 1-IN (25.4 MM) INCREMENTS	6.5 IN - 12.5 IN
D4	BLADE DIAMETER	34 IN
H	ATTACHMENT HEIGHT, TRANSPORT	68 IN
H12	GROUND CLEARANCE AT WHEEL	24 IN
L2	TRANSPORT LENGTH, FROM CL OF REAR AXLE	75 IN
L4	TRANSPORT LENGTH, FROM FRONT OF ATTACHMENT	64 IN
T1	SAW OFFSET DISTANCE	24 IN
T2	CL SAW TO CL UNIT (MINIMUM OFFSET)	5.3 IN
W1	WORKING WIDTH, MAX.	67 IN
W2	TRENCH WIDTH	0.75 IN - 1.25 IN
W3	SPOILS CHUTE EXTENSION (SAME BOTH SIDES)	8.5 IN
W4	CL UNIT TO OUTSIDE LEFT TIRE	28.5 IN
W7	CL UNIT TO END OF TRAVERSE FRAME	29.2 IN

DIMENSIONS NOT SHOWN

WORKING LENGTH, FROM CL OF REAR AXLE	81 IN
TRANSPORT WIDTH	60.5 IN
SAW TILT ADJUSTMENT	+/- 6°
ATTACHMENT WEIGHT (INCLUDES MOUNT KIT)	1400 LB
APPROXIMATE MINIMUM SAWING RADIUS, OFFSET TO RIGHT*	35 FT
SAW MOTOR DISPLACEMENT	40.55 IN ³
BLADE SPEED, VARIABLE	0-160 RPM
NUMBER OF CUTTING TEETH ON SAW BLADE (0.75", 0.95", 1.25" WIDTH)	24, 32, 32
CUTTING BIT TYPES**	
ROTATING	SELF-SHARPENING FULL CAP CONICAL BIT WITH PIN RETAINER
FIXED	SHARKTOOTH CARBIDE-TIPPED BITS (0.75" WIDTH ONLY)

VIBRATIONAL LEVEL WHEN SAW IS OPERATING

DURING NORMAL OPERATION, VIBRATION TRANSMITTED TO THE OPERATOR'S: HAND/ARM FEET/SEAT	18.5 FT/SEC ² 2 FT/SEC ²
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U.S. WITH 28 X 9 SOLID TIRES

METRIC	
165 MM - 318 MM	
864 MM	
1.73 M	
610 MM	
1.91 M	
1.63 M	
610 MM	
135 MM	
1.7 M	
19 MM - 32 MM	
216 MM	
724 MM	
742 MM	

U.S. WITH 31 X 10 SOLID TIRES

METRIC	
165 MM - 318 MM	
864 MM	
1.73 M	
610 MM	
1.98 M	
1.65 M	
610 MM	
178 MM	
1.88 M	
19 MM - 32 MM	
216 MM	
800 MM	
704 MM	

2.06 M	
1.54 M	
636 KG	
10.7 M	
664 MM ³	

2.13 M	
1.72 M	
673 KG	
10.7 M	
664 MM ³	

5.6 M/SEC ² 0.62 M/SEC ²	
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5.2 M/SEC ² 0.32 M/SEC ²	
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