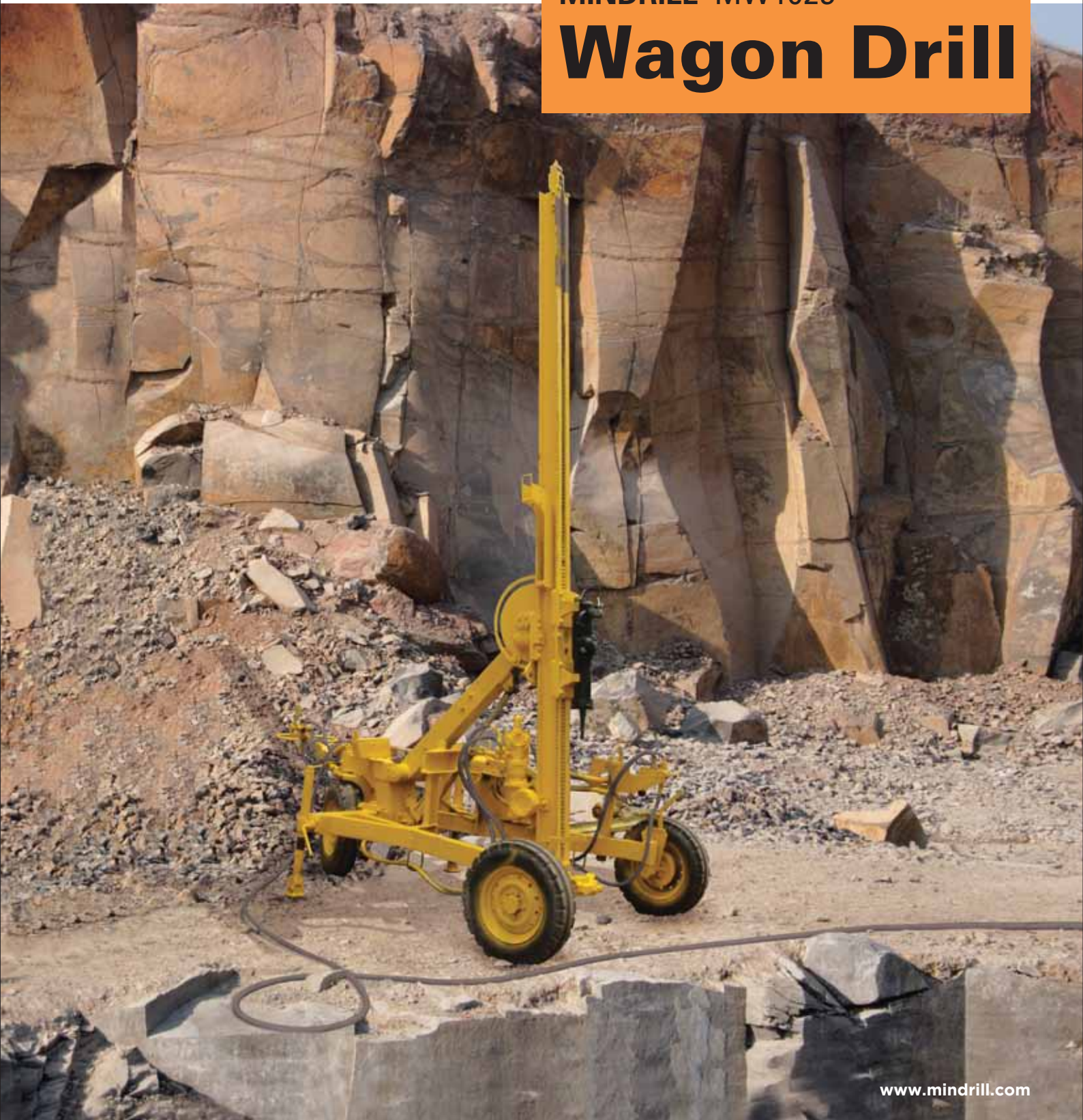


MINDRILL MW1025

Wagon Drill



www.mindrill.com

Two basic versions

MW1025 DTH with ML40

MW1025 TH with MDS120F

RELIABILITY UNPARALLELED POWER UNMATCHED



Profitable operation of Wagon Drill

Down-the-hole version

Equipped with pneumatic DTH hammer ML40 the MW1025 DTH is powerful, high productivity wagon drill.



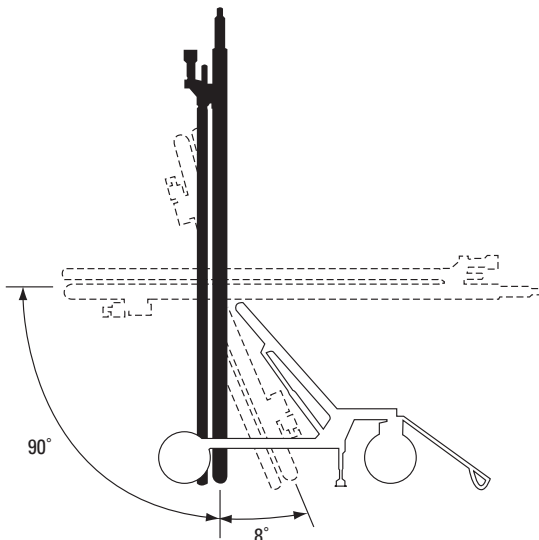
There are two primary benefits: higher penetration rates & lower fuel consumption. Together with a steady & reliable pneumatic rotation unit MDS4, the wagon drill offers a wide selection of drill hole sizes from 105mm to 115mm. The MW1025 DTH is ideal for bench drilling, anchor drilling, grout hole drilling etc.

Top-hammer version

The Top-hammer version of versatile MW1025 TH is equipped with pneumatic rock drills MDS120F which is well known for its simplicity & reliability. It consumes less air & delivers all round performance. Suitable for hole size 48-76mm, Top-hammer version is the first choice for quarrying, trenching & consolidation jobs.

Feed beam with wide range of adjustment

The feed can be tilted downwards from horizontal position over a vertical 98° arc. Horizontal holes can be collared down to 800 mm above ground. It can be swung laterally 15° in both directions. The beam is raised and lowered by a manually-operated hydraulic cylinder.

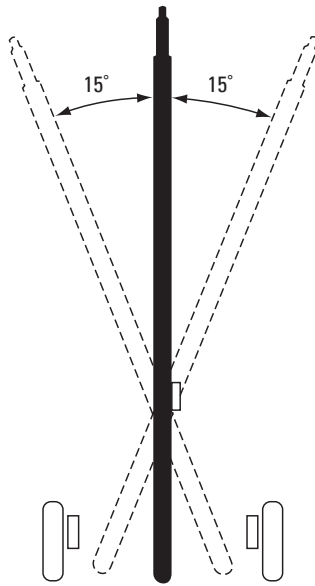


MDS 120F Pneumatic Drifter

High- pressure Air systems

The air system is normally scaled to a working pressure of 150 psig (10.5 kg/cm²). Lubricating valves ensure a uniform and adequate supply of oil of the compressed air. All controls are group together for easy access. MW1025 can equally fitted with a top-hammer drill or with a down the hole drill. The robust chassis make precession drilling, easy even when powerful forces are applied. The picture above shows the MW1025 equipped with a MDS120F pneumatic drifter with rifle bar rotation.

Essential Features



Rugged Chassis

In order to secure good precision with high-powered feed. MW1025 is built on a rugged box frame possessing high torsion strength. The weight is adequate to absorb vertical, downwards directed feed force of 800 kg.

Flexibility

MW1025 can be easily equipped either with ML40 down-the-hole hammers or heavy duty pneumatic drifter MDS120F. The choice of drills permit drilling of 48 to 115 mm diameter holes in as diversified as production drilling in mines & quarries, grouting and anchoring.

With a special shortened mast and equipped with a foam flushing pump the MW1025 is used for production drilling in underground mines.

With chain feed MDS35K 859 which has a retract force of 1200 kg, the MW1025 converts for drilling 115 mm holes up to 90 meters depth.



Rigid setup

When in operation MW1025 is positioned on the ground end of the feed beam and on a jack at each rear corner of the chassis. The weight of the wagon and the satiable three-point setup guarantee accurate collaring and high precision drilling.

Easy Portability

The wagon drill is delivered with traction motor and hence no manual effort is required for shifting and repositioning from hole to hole. While transporting the traction motor can be disengage by a clutch. The centre of gravity being low, the risk of tilting is reduced when the drill is moved over uneven ground.



Technical Specifications

General

Model	MW1025 (DTH)		MW1025 (TH)	
	Metric	Imperial	Metric	Imperial
Version	Down The Hole		Top Hammer	
Rock Drill	ML40		MDS120 F	
Weight (approx.)	1350 kg	2976 lb	1270 kg	2800 lb
Drill Bit Dia	105 -115 mm	4 1/8" - 4 17/32"	48 -76 mm	1 57/64" - 3"

MDS120F Drifter

	Metric	Imperial
Weight	70 Kg	152 lb
Length	780mm	31"
Working pressure, max.	6 bar	87 psi
Impact power, max.	7.2 kW	
Piston Dia	120mm	4.72"
Stroke Length	65mm	2.56"
Impact	2100 blows/min	
Adapter Type	R32, R38, T38	
Hole Diameter	48 - 89 mm	1 57/64" - 3 1/2"
Air Consumption	167 l/s	354 cfm .
Rotation speed	0 - 180 rpm	

ML40 DTH Hammer

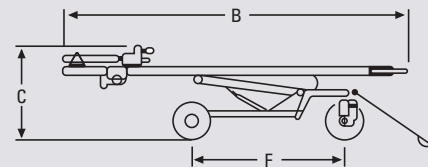
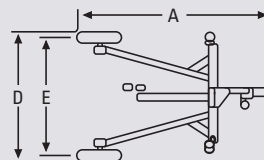
	Metric	Imperial
Weight	32 Kg	71.5 lb
Piston Weight	8 Kg	17.5 lb
Working pressure	6 - 30 bar	87 - 435 psi
Impact	1354 - 2357 blows/min	
Hole Diameter	105 -115 mm	4 1/8" - 4 17/32"
Air Pressure	73 - 417 l/s	154 - 884 cfm

Chain Feed

Chain Feed	MDS35K 167		MDS35K 257-01		MDS35K 859-01	
	Metric	Imperial	Metric	Imperial	Metric	Imperial
Feed Length	3740 mm	147 1/4"	3810 mm	150"	3810 mm	150"
Total Length	5430 mm	214"	5430 mm	214"	5430 mm	214"
Feed Retract Force	800 kg	1764 lb	800 kg	1764 lb	1250 kg	2756 lb
Recommended Extension Drill Tubes/Rod	32x3050 mm or 38x3050 mm	1 17/64" X 120 5/64" or 1 1/2" X 120 5/64"	76x3000 mm	3" X 118 7/64"	76x3000 mm	3" X 118 7/64"

Dimensions

Sl.	Metric	Imperial
A	3000 mm	118 7/64"
B	5430 mm	214"
C	1560 mm	61 13/32"
D	2100 mm	82 43/64"
E	1925 mm	75 25/32"
F	3000 mm	118 7/64"



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