

# ULTRA LOW PROFILE MAG DRILL FROM STEELMAX®

## D1 Low Profile

### VERY LOW PROFILE ELECTRIC DRILL FOR RESTRICTED SPACE

The **D1 Low Profile** is an ultra-low-profile mag drill, that fits in the tightest of work spaces. It is a perfect solution for any applications in confined spaces, where typical mag drills are too large. A powerful motor and strong, electromagnetic base enable drilling of holes up to 1-3/8" (36 mm) diameter to a depth of up to 1-3/16" (30 mm).

The **D1 Low Profile** Mag Drill accepts both TCT and HSS cutters as well as twist drill bits with a standard 3/4" Weldon shank.



#### FEATURES

- Ultra low profile mag drill – only 7" tall – with electromagnetic base
- Light weight – only 21 lbs (9.5 kg)
- 1-3/8" (36 mm) diameter x 1-3/16" (30 mm) depth of cut maximums with annular cutters
- Accepts Weldon Shank twist drill bits up to 3/4" diameter
- Over 1-1/2" stroke (39 mm)
- Integrated swarf guard
- Convenient lifting handle for easy transportation

#### STANDARD SET INCLUDES:

- Drilling machine
- Plastic case
- Handle
- Handle adapter
- Pilot pin
- Safety strap
- 4 mm hex wrench
- Operator's Manual



The D1 Low Profile fits in the tightest spots



Core drill:  
max 1-3/8"  
(36 mm)



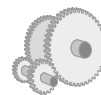
Twist drill:  
max 1/2" (12 mm)  
with Weldon Shank  
3/4" (19mm)



Depth of cut:  
up to 1-3/16"  
(30 mm)



Stroke:  
1-1/2"  
(39 mm)



Speed:  
370 rpm



Motor Power:  
920 W



Weight:  
21 lbs  
(9.5 kg)

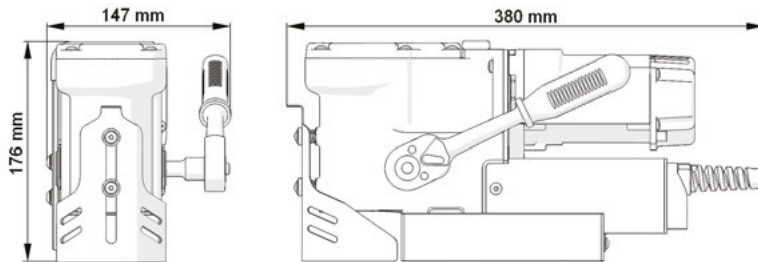
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## D1 Low Profile Technical Specifications

Voltage	115V or 230V 50-60Hz
Motor Power	920W
Power Consumption	1000W
Motor Speed (Under Load)	350 RPM
Tool Holder	3/4" Weldon Shank
Minimum Material Thickness	1/4" (6 mm)
Maximum Hole Size - Annular Cutter	1-3/8" (36 mm)
Maximum Hole Size - Twist Bit	1/2" (12 mm)
Maximum Countersink	1-9/16" (40 mm)
Stroke	1-1/2" (39 mm)
Maximum Depth of Cut	1-3/16" (30 mm) with TCT Cutters 13/16" (20 mm) with HSS Cutters*
Magnetic Clamping Force	2,000 lbs (8900 N)
Magnetic Base Dimensions	3-9/16" x 7-1/16" x 1-1/2" (90 x 180 x 38.5 mm)
Machine Height	7" (175 mm)
Machine Weight	21 lbs (9.5 Kg)
Part Number	115V: <b>SM-DI LP</b> 230V: <b>SM-DI LP-230</b>

\* Up to 1" (25 mm) when used with an optional long quill assembly (SM-ZSP-0521-04-00-00-0)

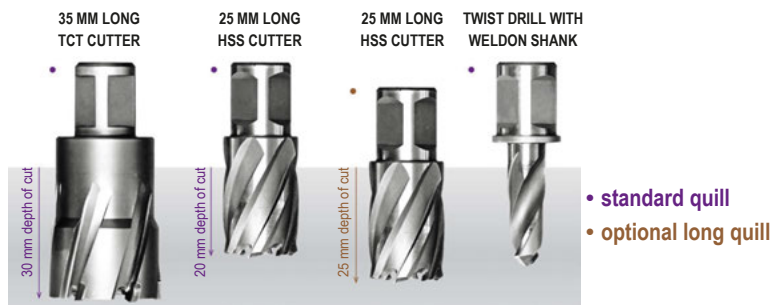


### Optional Accessories:

- SM-ZSP-0521-04-00-00-0  
Long quill assembly
- SM-PJM-000003  
Coolant bottle with nozzle



### Hole making with various tools:



Compact design for height restricted areas.  
Detachable feed lever can be fixed from either side



Max milling capacity up 1-3/8" (36 mm)



Easily work out of position



Lifting handle for easy transportation



Handy plastic case

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For ordering and customer service, or to request detailed product information or demonstration videos, contact:

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