

# CORDLESS MAGNETIC DRILLING MACHINE

## D1 CORDLESS

### BATTERY OPERATED, COMPACT, MAGNETIC DRILL

The Steelmax D1 CDL is a battery powered, compact magnetic drilling machine designed to drill holes with a diameter of 1-7/16" (36 mm) using annular cutters. The D1 CDL is also capable of drilling holes with a diameter of 1/2" (12 mm) with a twist drill bits and has a 2" (50 mm) maximum depth of cut. This magnetic drill has a maintenance free guide rail system that minimizes run-out, maintains accuracy, and reduces cutter breakage. This innovative magnetic drill additionally features an LED monitoring system that produces signals in green and red to communicate the current condition of the drill and give safety information to the operator.

#### FEATURES

- Overload protection
- Tilt Sensor - stops motor if the machine breaks away from the surface during operation
- Maintenance free rail guide system for long life, minimal run-out and extreme accuracy
- LED monitoring system
- Energy Saving Base (ESB) uses only 50% of power when motor is not running
- Compact & Lightweight only 25.5 lbs
- Through spindle coolant system with removable coolant bottle



#### Battery Pack Control System

Battery  
Charger



Charging time  
~ 30 min (4.0 Ah)  
~ 41 min (5.5 Ah)  
~ 74 min (10.0 Ah)



Battery 4.0 Ah



Battery 5.5 Ah



Battery 10.0 Ah



Max Hole Size:  
1-7/16" (36 mm)



Depth of cut:  
2" (51 mm)



Stroke:  
2-3/4" (70 mm)



Weight:  
25.5 lbs. (13.5kg)



Minimum work piece  
thickness: 1/4" (6mm)

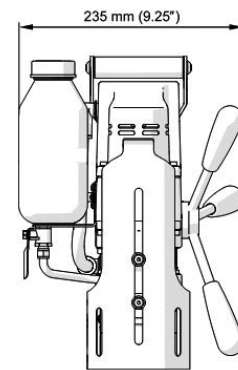
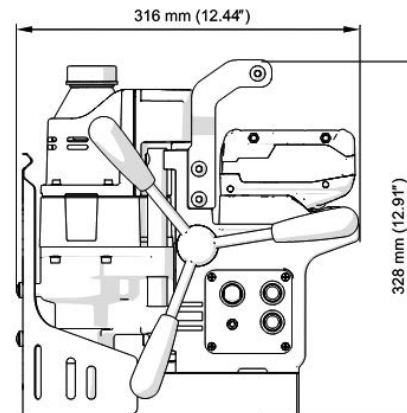
**Steelmax**

The tools of innovation.

# CORDLESS MAGNETIC DRILL FROM STEELMAX®

| D1 CDL Magnetic Drill Technical Specifications   |   |
|--|---|
| Motor Speed (under load)   | 260 rpm   |
| Power  | 450 W   |
| Voltage  | 18 VDC  |
| Max Hole Capacity - Annular Cutter   | 1/2" (12mm)                                     |
| Annular Cutter Capacity (TCT/HSS)  | 1-3/8" (36mm)                                   |
| Magnetic Base Dimensions   | 3-1/8 × 6-1/3 × 1-1/2 (")<br>80 × 160 × 38 (mm) |
| Stroke   | 2-3/4" (70 mm)                                  |
| Max Depth of Cut   | 2" (50 mm)                                      |
| Magnetic clamping force (surface with the thickness of 1" (25 mm) and roughness Ra = 1.25) | 1909 lbs<br>8500 N                              |
| Min. work piece thickness  | 1/4" (6 mm)                                     |
| Weight (with 5.5 Ah Battery)   | 25.5 lbs (11.5 kg)                              |
| Tool Holder  | 3/4" (19 mm) Weldon                             |
| Part Number  | SM-D1-CDL                                       |

## DIMENSIONS



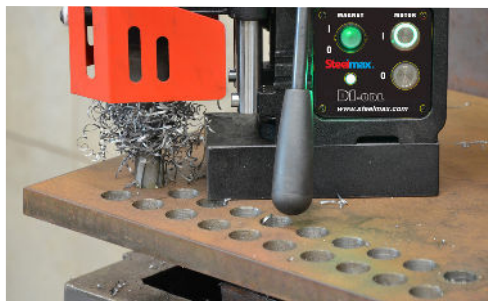
## Ships with:

- Cordless drilling machine
- Plastic case
- (2) Batteries 5.5 Ah
- Battery Charger
- Safety Strap
- Coolant Bottle
- Set of Tools

| Optional Accessories   |                             |
|------------------------|-----------------------------|
| Part Number            | Description                 |
| SM-LDW-0738-24-00-30-0 | Replacement Battery Charger |
| SM-AKM-0738-10-00-01-0 | 4.0 Ah CAS Battery          |
| SM-AKM-0738-10-00-03-0 | 5.5 Ah CAS Battery          |
| SM-AKM-0738-10-00-02-0 | 10.0 Ah CAS Battery         |



Ideally suited for out of position work and applications in the field where power is limited



Capable of 20 holes of 7/8" (22mm) in 3/4" (20mm) thick plate when using 10.0Ah Battery pack



Ergonomic Carry Handle for Maximal Portability to the Workpiece

# Steelmax®