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” (19 mm)
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)

Steelmax
The tools of innovation.
## D1 Low Profile Technical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>115V or 230V 50-60Hz</td>
</tr>
<tr>
<td>Motor Power</td>
<td>920W</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1000W</td>
</tr>
<tr>
<td>Motor Speed (Under Load)</td>
<td>350 RPM</td>
</tr>
<tr>
<td>Tool Holder</td>
<td>3/4&quot; Weldon Shank</td>
</tr>
<tr>
<td>Minimum Material Thickness</td>
<td>1/4&quot; (6 mm)</td>
</tr>
<tr>
<td>Maximum Hole Size - Annular Cutter</td>
<td>1-3/8&quot; (36 mm)</td>
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<tr>
<td>Maximum Hole Size - Twist Bit</td>
<td>1/2&quot; (12 mm)</td>
</tr>
<tr>
<td>Maximum Countersink</td>
<td>1-9/16&quot; (40 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>1-1/2&quot; (39 mm)</td>
</tr>
<tr>
<td>Maximum Depth of Cut</td>
<td>1-3/16&quot; (30 mm) with TCT Cutters</td>
</tr>
<tr>
<td>Magnetic Clamping Force</td>
<td>2,000 lbs (8900 N)</td>
</tr>
<tr>
<td>Magnetic Base Dimensions</td>
<td>3-9/16&quot; x 7-1/16&quot; x 1-1/2&quot; (90 x 180 x 38.5 mm)</td>
</tr>
<tr>
<td>Machine Height</td>
<td>7&quot; (175 mm)</td>
</tr>
<tr>
<td>Machine Weight</td>
<td>21 lbs (9.5 Kg)</td>
</tr>
<tr>
<td>Part Number</td>
<td>115V: SM-D1 LP</td>
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<tr>
<td></td>
<td>230V: SM-D1 LP-230</td>
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</tbody>
</table>

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

### Optional Accessories:

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

### Hole making with various tools:

- 35 MM LONG TCT CUTTER
- 25 MM LONG HSS CUTTER
- 25 MM LONG HSS CUTTER
- TWIST DRILL WITH WELDON SHANK

- standard quill
- optional long quill

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

877-833-5629  STEELMAX.COM  sales@Steelmax.com  Fax: 303-690-9172

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