

D1 AUTO

ADVANCED SEMI-AUTOMATIC DRILLING MACHINE

The **D1 Auto** from Steelmax is an advanced semi-automatic drilling machine that is the ideal solution for efficiently drilling large numbers of holes in plates, girders, and other steel fabrication applications. With a maximum 1-3/8" diameter and 2" depth of cut, the **D1 Auto** covers a wide range of drilling needs in a compact, lightweight machine.

FEATURES:

- 1-3/8" (36 mm) diameter x 2" (51 mm) depth of cut
- Compact, rigid design that weighs just 30 lbs. (13.5 kg)
- Optimal combination of spindle speed and torque produces industry leading cycle times with TCT and HSS cutters
- Safe magnet control systems for excellent performance and operator safety
- Dual rail guide system provides extraordinary stiffness and maintenance free operation
- High efficiency magnetic base provides superior holding power on plate as thin as 1/4" (6mm)
- Integrated cutter guard and large coolant tank



Max Hole Size:
1-3/8" (36 mm)



Depth of cut:
2" (51 mm)



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



Weight:
30 lbs. (13.5kg)



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

Steelmax®

The tools of innovation.

EXCELLENT PERFORMANCE & PRODUCTIVITY

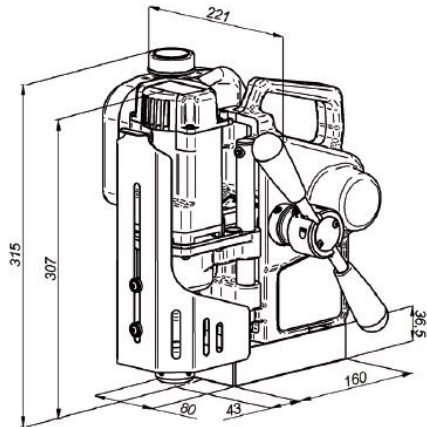
- Max drilling capacity of 1-3/8" (36 mm) diameter with 2" (51 mm) depth of cut
- Auto-feed mechanism is activated by pushing the handles in.
- Feed control system reduces idle run time and enables smooth start of cutting
- Dynamic control systems adjust the feed speed proportionally to the cutting load maximizing cutting performance with both TCT and HSS cutters
- Auto-feed control stops the machine when drilling is complete

SAFETY

- Overload control stops both cutting and feeding motors immediately
- Magnetic Power Adhesion Control (MPAC) prevents drilling when the electromagnetic holding force is not sufficient. This protects both the machine and the operator from work in unsafe conditions

USER-FRIENDLY

- Ultra light weight - only 30 lbs.
- Maintenance free dual rail system
- Uses standard 3/4" Weldon shank cutters
- Large coolant tank



D1 AUTO Technical Specifications

Voltage	1~ 110-120 V, 50-60 Hz, 1~ 220-240 V, 50-60 Hz
Total power	1000 W
Motor power	920 W
Cutter holder	3/4" Weldon (19 mm)
Max milling capacity	1-3/8" (36 mm)
Max depth of cut	2" (51 mm)
Electromagnetic base holding force (surface with the thickness of 1" (25 mm) and roughness $R_a = 1.25$)	9500 N
Electromagnetic base dimensions	3.1" x 6.3" x 1.4" (80 mm x 160 mm x 36.5 mm)
Slide stroke	2-3/4" (70 mm)
Spindle speed under load	350 rpm
Spindle speed without load	580 rpm
Minimum work piece thickness	1/4" (6 mm)
Weight	30 lbs (13.5 kg)

Standard shipping set:

- D1 AUTO
- Metal shipping box
- Handles
- Cooling system bottle
- Chip guard
- Safety strap
- 4 mm hex wrench
- Operator's Manual

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The tools of innovation.

 **American Welding Society**
Supporting Company Member

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



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