

STEELMAX® DRILL CAPACITIES AT A GLANCE

DRILL FEATURES & SPECIFICATIONS

Steelmax
The tools of innovation.



MODEL	D1		D2X		D3XS		D4X	
Spindle	–		MT2		MT3		MT4	
Tool holder	3/4" (19 mm) Weldon		3/4" (19 mm) Weldon		3/4" (19 mm) Weldon		3/4" (19 mm) Weldon	
Milling cutter (Core drill) Ø	max 1-3/8" (36 mm)		max 2" (51 mm)		max 3" (76 mm)		max 4-5/16" (111 mm)	
Twist drill Ø	–		max 7/8" (23 mm)		max 1-1/4" (32 mm)		max 1-7/8" (47 mm)	
Countersinking Ø	1-9/16" max (40 mm)		max 2" (51 mm)		max 2-1/2" (63 mm)		max 2-1/2" (63 mm)	
Max tap size	–		–		M24 (special tapping attachment required)		M30 (special tapping attachment required)	
Stroke	2-3/4" (70 mm)		6" (153 mm)		8-7/8" (225 mm)		9-1/16" (230 mm)	
Max depth of cut	2" (51 mm)		2" (51 mm)		3" (76 mm)		3" (76 mm)	
Voltage	115V/60Hz		115V/60Hz		115V/60Hz		115V/60Hz	
	230V/50Hz		230V/50Hz		230V/50Hz		230V/50Hz	
Power consumption [W]	1000		1300		1800		1800	
Motor power [W]	920		1260		1650		1650	
Speed [rpm]	350		200 or 400		80/160 and 210/420		85/135 and 160/250	
Overload protection	yes – 115V/60Hz no – 230V/50Hz		–		yes		yes LED light	
ESSS (Electronic Speed Stabilization System)	–		–		yes		–	
MPAC (Magnetic Power Adhesion Control)	yes		yes		yes		yes	
Continuous speed adjustment	–		–		yes		–	
MFSC (Magnetic Field Shape Control)	yes		yes		yes		yes	
Magnetic Clamping Force [N] (25 mm, Ra=1.25 mm)	9500		12000		19500		22000	
ESB (Energy Saving Base)	yes		yes		–		–	
Magnet – on 1" (25 mm) plate	Dead lift	Drill point breakaway	Dead lift	Drill point breakaway	Dead lift	Drill point breakaway	Dead lift	Drill point breakaway
	2135 lbs (968 kg)	859 lbs (389 kg)	2697 lbs (1223 kg)	1074 lbs (487 kg)	4383 lbs (1987 kg)	1779 lbs (806 kg)	4945 lbs (2242 kg)	1945 lbs (882 kg)
Magnet base dimensions	3-1/8 x 6-5/16 x 1-7/16" (80 x 160 x 36.5 mm)		3-9/16" x 7-1/16" x 1-7/8" (90 x 180 x 48 mm)		4-5/16" x 8-11/16" x 2-3/16" (110 x 220 x 56 mm)		4-3/4" x 9-7/16" x 2-1/2" (120 x 240 x 63 mm)	
Swivel base	–		–		+ 15°; + 9/16" (15 mm)		–	
Minimum workpiece thickness	1/4" (6 mm)		5/16" (8 mm)		3/8" (10 mm)		3/8" (10 mm)	
Semi-automatic gib backlash adjustment	–		yes		yes		yes	
Tapping accessories available	no		no		yes		yes	
Weight	22 lbs (10 kg)		35 lbs 5 oz (16.5 kg)		58 lbs 6 oz (27 kg)		66 lbs 3 oz (31 kg)	
Part number	SM-D1 (115V/60Hz) SM-D1-230 (230V/50Hz)		SM-D2X (115V/60Hz) SM-D2X-230 (230V/50Hz)		SM-D3XS (115V/60Hz) SM-D3XS-230 (230V/50Hz)		SM-D4X (115V/60Hz) SM-D4X-230 (230V/50Hz)	

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