

THE D3xs PORTABLE MAGNETIC DRILL

3x3 VARIABLE-SPEED DRILL WITH SWIVEL BASE

The **D3xs** is a multifunction machine with Morse Taper No. 3. It is designed for cutting holes up to 3" (76 mm) diameter or drilling holes up to 1-1/4" (32 mm) diameter. It comes standard with a swivel base for easy alignment of your pilot with the hole's center location. It is equipped with a motor overload protection system and variable speed adjustment which works in two speed ranges. In addition, it has a state of the art Electronic Speed Stabilization System (ESSS), responsible for stabilizing the motor's speed under varying loads on the spindle. Its precision and durability are significantly increased as its gearbox housing and slide are made as one piece.

Unique semi-automatic gib backlash adjustment (patent pending) enables simple, fast and correct adjustments without any expert knowledge or experience. Replaceable spline at the end of the armature shaft eliminates laborious and expensive armature maintenance. Compact design allows to drill very close to vertical surface.

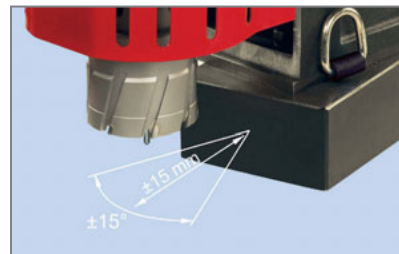
The **D3xs** is equipped with a Magnetic Field Shape Control (MFSC) system which provides maximum holding power on thin material. A Magnetic Power Adhesion Control (MPAC) module detects an adequate adhesive force of electromagnetic base for safe operation.

FEATURES

- 3" (76 mm) diameter x 3" (76 mm) depth of cut
- Motor soft start
- Continuous speed adjustment
- Overload protection
- Swivel base
- Electronic Speed Stabilization System (ESSS)
- Safe magnet™ circuitry recognizes magnetic holding power
- Semi-automatic gib backlash adjustment
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)
- **NEW! D3XRS** model with *reverse* feature now available

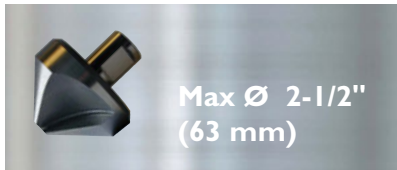
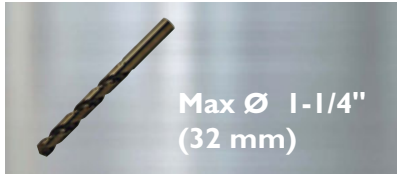
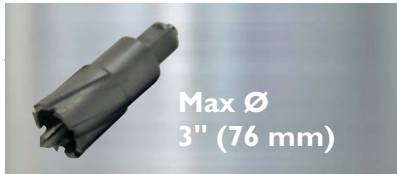


Swivel base is standard on all **D3xs**
Swivel base: $\pm 15^\circ$, $\pm 9/16"$ (15 mm)



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Standard shipping set:

- Magnetic base drilling machine
- Metal box
- MT3 Arbor with 3/4" (19 mm) Weldon Bore – with cooling ring
- Swarf shield/Cutter guard
- Coolant bottle assembly
- Safety chain
- Set of tools with wedge
- Instruction manual
- Standard shipping weight – 86 lbs 5 oz (40 kg)

Attention:

Standard shipping set of **D3xs** includes MT3 Arbor with 3/4" (19 mm) Weldon Bore that accepts cutters up to 2-5/16" (60 mm) diameter.

Optional MT3 Arbor with 1-1/4" (32 mm) Weldon Bore for cutters of larger diameters available.

Please refer to optional tapping accessories. See brochure in this section.

D3xs Technical Specifications		
Spindle	MT3	
Tool holder	3/4" (19 mm) Weldon	
Milling cutter (Core drill) Ø	max 3" (76 mm)	
Twist drill Ø	max 1-1/4" (32 mm)	
Countersinking Ø	max 2-1/2" (63 mm)	
Max tap size	M24 (special tapping attachment required)	
Stroke	8-7/8" (225 mm)	
Max depth of cut	3" (76 mm)	
Voltage	115V/60Hz or 230V/50Hz	
Power consumption [W]	1800	
Motor power	1650W 2.2 HP	
Speeds [rpm]	80/160 and 210/420	
Overload protection	yes	
ESSS (Electronic Speed Stabilization System)	yes	
Continuous speed adjustment	yes	
MFSC (Magnetic Field Shape Control)	yes	
Magnet – on 1" (25 mm) plate	Dead lift	Drill point breakaway
	4383 lbs (1987 kg)	1779 lbs (806 kg)
Magnet base dimensions	4-5/16" x 8-11/16" x 2-3/16" (110 x 220 x 56 mm)	
MPAC (Magnetic Power Adhesion Control)	yes	
Swivel base	+ 15°; + 9/16" (15 mm)	
Minimum workpiece thickness	3/8" (10 mm)	
Semi-automatic gib backlash adjustment	yes	
Weight	58 lbs 6 oz (27 kg)	
Part numbers	SM-D3xs (115 Volt/60Hz) SM-D3xs-230 (230 Volt/50Hz) SM-D3xrs (115 Volt/60Hz) SM-D3xrs-230 (230 Volt/50Hz)	

All information is subject to change without notice.



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112 Inverness Circle E, Ste F, Englewood, CO 80112

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

