

D3XRS PORTABLE MAGNETIC DRILL

3x3 VARIABLE-SPEED, REVERSIBLE DRILL WITH SWIVEL BASE

The **D3XRS** is a heavy-duty, multi-function magnetic drilling machine with Morse Taper No. 3 attachment system. Its powerful 1,650 Watt motor, two-speed gear box and variable speed control are designed for drilling holes up to 3" (76 mm) diameter through 3" thick material. With an optional drill chuck, the **D3XRS** can drill holes up to 1-1/4" (32 mm) in diameter using solid twist drill bits. The reversing feature of the **D3XRS** enables it to tap 3/4" diameter through-holes without a separate tapping attachment. With a separate Morse Taper No. 3 tapping head, the **D3XRS** can also tap blind holes up to 3/4" in diameter.

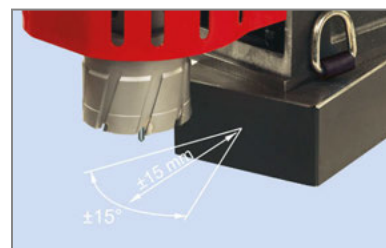
The **D3XRS** uses an integrated swivel base for easy alignment of your pilot pin with the desired center location of your hole. It is also equipped with motor overload protection for additional safety and long motor life. In addition, the **D3XRS** uses a state of the art Electronic Speed Stabilization System (ESSS) to stabilize motor speed under varying spindle load conditions. Its precision and durability are significantly increased as its gearbox housing and slide are manufactured as a single piece.

A unique, semi-automatic gib adjustment system (patent pending) enables simple, fast and precise adjustments without expert knowledge or experience. The replaceable spline on the end of the armature shaft eliminates laborious and expensive armature maintenance.

The **D3XRS** is equipped with our proprietary Magnetic Field Shape Control (MFSC) system which provides maximum holding power on thin material (minimum 3/8" thickness), a Magnetic Power Adhesion Control (MPAC) module which insures adequate magnetic adhesion for safe operation and our Safe Magnet™ technology which recognizes magnetic holding power and will not allow the drill to function in unsafe conditions.

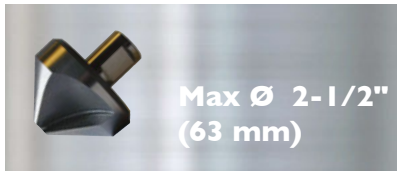
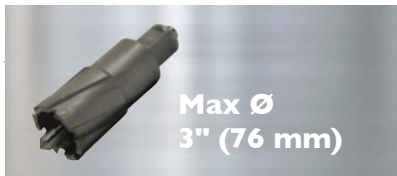
FEATURES

- 3" (76 mm) diameter x 3" (76 mm) depth of cut
- Soft start electronics for long motor life
- Continuous speed adjustment with two-speed gearbox
- Motor 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)



Swivel base is standard on all **D3XRS**
Swivel base: $\pm 15^\circ$, $\pm 9/16$ " (15 mm)

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Standard shipping set:

- Magnetic base drilling machine
- Metal shipping 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 **D3XRS** includes MT3 Arbor with 3/4" (19 mm) Weldon Bore that accepts cutters up to 2-3/8" (60 mm) diameter.

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

D3XRS 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 | 1650 W 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 | |
| | Dead lift | Drill point breakaway |
| Magnet – on 1" (25 mm) plate | 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-D3XRS (115 Volt/60Hz) SM-D3XRS-230 (230 Volt/50Hz) | |

Optional Accessories:

| | |
|-------------------------------|--|
| SM-DC-MT3-13 | Morse Taper #3, 1/2" drill chuck |
| SM-DC-MT3-20 | Morse Taper #3, 3/4" drill chuck |
| SM-UCW-0191-00-00-00-0 | Morse Taper #3, arbor for 1-1/4" shank cutters |

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

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