

'TWIST' DRILL GRINDER

CAPACITY

- Sharpens 1/8" to 2 1/2" diameter drills.
1/8" to 3" calibration available.

VERSATILITY

- Sharpens 2, 3, or 4 flute drills with variable included angles of 90°, 100°, 110°, 118°, 130°, and 140°.

PRECISION

- For accurately centered and free cutting drills in seconds.

SIMPLICITY

- NO chucks, NO collets, and NO wrenches to bother with when sharpening different diameter drills. The same drill holding unit handles all drills from 1/8" to 2 1/2" in diameter.



MODEL
DV

McDONOUGH MANUFACTURING COMPANY
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STERLING
BY McDONOUGH

UNMATCHED CAPACITY

The STERLING Drill Grinder is the only grinder capable of sharpening drills from 1/8" to 2 1/2" in diameter. It will accommodate any standard catalog drill within this size range without the hassle of using chucks, collets or wrenches.

STANDARD EQUIPMENT

- Flexible work light permanently mounted
- Diamond wheel dresser with mounted diamond
- 45°, 50°, 55°, 59°, 65°, and 70° drill stops
- 6" straight cup wheel, 70 grit, aluminum oxide (46 and 60 grit also available)
- Micrometer Head for accurate control of drill infeed
- 3/4 H.P., 3450 RPM, 115-volt, single phase, 60 cycle, NEMA C flange mount, totally enclosed fan-cooled, ball bearing motor

OPTIONAL EQUIPMENT

- Mist Coolant System improves grinding accuracy and finish
- Silicon Carbide (60 and 120 grit) Grinding Wheels
- 3" drill diameter calibration
- 220/440-volt 3-phase motor and tropicalized motors (1-phase standard)

INSTRUCTIONS FOR RE-CALIBRATION OF CLEARANCE DIAL

- Take a properly-ground 1" drill. Adjust the scale to 1" and, without the spindle motor running, move the drill holder until the drill point contacts the wheel face.
- Adjust the dial hand wheel until the drill can be swung through the entire grinding arc while maintaining contact with the wheel face.
- When this has been accomplished, loosen the jam nut on the circular rack (#DB12D) and turn the circular rack using a screw driver in the slot provided until the dial pointer is in the proper position at the 1" mark. Tighten the jam nut.

If this process has been done correctly, the machine is now in proper calibration.

EXTRA VERSATILITY

The STERLING Drill Grinder will sharpen 2, 3, and 4-flute drills with 90° to 140° included angles.

**SHARPEN DRILLS
FROM 1/8" TO 2 1/2"
IN DIAMETER**



**WILL SHARPEN
2, 3, & 4
FLUTE DRILLS
90° TO 140°
INCLUDED
ANGLES**

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