

CHALLENGE PRODUCTS



MS-5 MULTI-SPINDLE DRILL





Established 1902

MS-5 DRILL

The MS-5 Multiple Spindle Paper Drill

Up to Five, Repositionable Heads

More Features

- Side Guide Adjustments
- Backgauge Adjustment
- Easy Drill Length Adjustment
- 2" Hollow Drill Bits Available In 13 Sizes
- 2½" Hollow Drill Bits Available In 4 Sizes
- Hollow Drills Also Available With Teflon Coating
- Optional Narrow Heads Available

Standard Equipment

- Three Drill Heads
- Three Drilling Blocks
- Two Backgauge Filler Blocks
- Manual Drill Sharpener
- Chip Disposal Bag

Optional Equipment

- Extra Drill Heads (3 supplied)
- Narrow (1¾" / 35 mm) Drill Heads

Multi-Hole Drilling

The MS-5 drills up to 5 holes in a single stroke, and easily drills a variety of multiple hole patterns. Adjustments and pattern changes are fast; heads quickly and easily slide along a dovetail mounting.

For Your Expanding Needs

The flexibility of the MS-5 allows you to determine the number of drill heads you need. For example, your new MS-5 comes equipped with three heads as standard. You can add two more later, or start out with a full set of five heads. Whatever combination you choose, whatever combination you need, the MS-5 has you covered.

Dependable Drilling Power

A touch of the foot pedal brings the table up to the heads with hydraulic power. The paper is drilled and the table returns automatically to the starting position. The speed of the table on the upstroke is adjustable, giving you the most efficient drilling and production on all types of stocks.

Important Details

Engineered to make your job easier, save you production time, and help cut job costs, the MS-5 provides you with high production 2½" drilling capacity. All adjustments are fast and easy.

Built To Last

The MS-5 is designed and engineered by Challenge, which introduced the first paper drill to the Graphic Arts industry in the early 1930s. Today, the MS-5 builds on this experience with the latest drilling technology. The easily accessible control panel and movable table are designed to reduce operator fatigue and increase job production. The MS-5 is solidly built, and ready to finish your jobs effectively.

Specifications

DRILLING

Number of Drill Heads	2 to 5
Drill Bit Sizes Available: 2" Bits	13 sizes: ⅛" to ½" / 3 - 13 mm
2½" Bits	4 sizes: ¼" to ½" / 3 - 13 mm
Center to Center Maximum	15" / 38 cm
Minimum Distance Between Heads (standard)	1⅞" / 48 mm
(optional narrow heads)	1⅝" / 35 mm
Maximum Drilling Capacity	2½" / 63 mm
Strokes Per Minute (Adjustable)	Up to 18
Backgauge Adjustment	0 to 5" / 0 - 13 cm
Vertical Adjustment of Individual Heads	¼" / 6 mm

DIMENSIONS

Table Size	17¾" x 34" / 45 x 87 cm
Table Height	37" / 94 cm
Overall Height	56" / 142 cm
Floor Space Needed	36" x 36" / 92 x 92 cm
Net Weight (Approximate)	830 lbs / 374 kg
Shipping Weight (Approximate)	910 lbs / 410 kg

ELECTRICAL

Motor: 208/230 Volts/18 Amps, 1 Phase, 60 Hz, AC. Service size 30 Amps.
Pump: ½ H.P. Spindle Motor: 1½ H.P.
Optional Motor: 208/230 Volts/12 Amps, 3 Phase, 50 Hz, A.C. Service size 20 Amps.

This machine must be wired to an individual line through a disconnect box with the proper voltage at the machine.

Challenge reserves the right to make changes to any product or specification without notice and without incurring responsibility to existing units.

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