

# MS-5 MULTIPLE-SPINDLE DRILL



ASSURANCE YOU  
MADE THE RIGHT DECISION

# MS-5 MULTIPLE-SPINDLE DRILL

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



## FEATURES AND BENEFITS

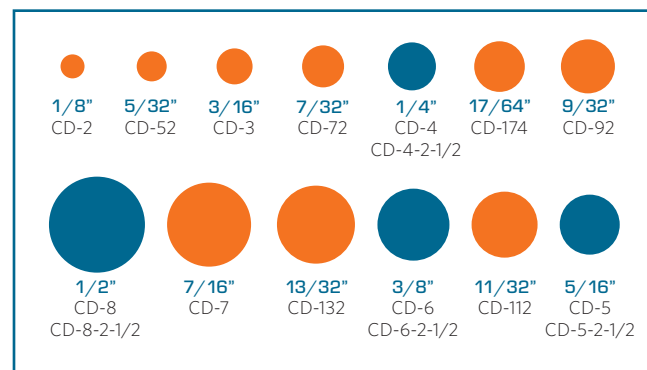
- Side guide adjustment
- Backgauge adjustment
- Easy drill length adjustment
- 2" / 5.1 cm hollow drill bits available in 13 sizes
- 2-1/2" / 6.4 cm hollow drill bits available in 4 sizes
- Hollow drill bits also available with teflon coating
- Optional narrow heads available, (Necessary when drilling most medical forms)
- Cast iron and steel construction
- Three drill heads and drilling blocks standard
- Two backgauge filler blocks
- Manual drill sharpener
- Chip disposal bag
- Hydraulic power, foot pedal activated
- Automatic table return
- Up to 5 holes in a single stroke
- Adjustments and pattern changes are fast

## OPTIONAL EQUIPMENT

- Additional drill heads (3 supplied)
- Narrow (1 -3/8"/35mm) drill heads center -to- center

## SPECIFICATIONS

- Number of Drill Heads: 2 to 5
- Drill Bit Sizes Available:
  - 2" Bits - 13 sizes: 1/8" to 1/2" / 3-13 mm
  - 2-1/2" Bits - 4 sizes: 1/4" to 1/2" / 6.4-13 mm
- Center to Center Maximum: 15" / 38 cm
- Minimum Distance Between Heads
  - Standard: 1-7/8" / 48 mm
  - Optional Narrow Heads: 1-3/8" / 35 mm
- Maximum Drilling Capacity: 2-1/2" / 63 mm
- Strokes Per Minute (Adjustable): Up to 18
- Backgauge Adjustment: 0 to 5" / 0-13 cm
- Vertical Adjustment of Individual Heads: 1/4" / 6 mm
- Table Size: 17-3/4" 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): 1100 lbs / 499 kg



Holes are shown actual size; Blue indicates sizes available in 2-1/2" length.

## ELECTRICAL

- Motor: 208/230 Volts / 18 Amps, 1 Phase, 60 Hz, AC. Service size 30 Amps
- Pump: 1/2 HP
- Spindle Motor: 1-1/2 HP
- Optional Motor: 208/230 Volts / 12 Amps, 3 Phase, 50 Hz, AC, Service size 20 Amps.

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



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

ADV060/0209/1000/GPC