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. Contact your authorized Challenge products dealer today for more information.

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 & four head options for European applications)
• 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
• Set-up changes are quick & simple

OPTIONAL EQUIPMENT

• Additional drill heads
• 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.