



THE SILK DEX BORE DRILLING MACHINE



The Dex Bore drilling machine is a compact, lightweight, portable drill used in many on-site applications. Applications include drilling, boring, stud removal, and spot facing.

FEATURES

- Automatic & manual down feeds
- Detachable base
- Variable spindle speeds
- Digital readout

MACHINE DESCRIPTION

The Dex Boring machine (DB100 and DB200) consists of a drilling head with two speed gearbox assembly and a dovetail slide with automatic feed and manual override.

The machine comes in a standard size with stroke length of 14.4" (366mm) with a total depth of 18" (457mm). Special lengths up to 40" (1016mm) have been built for longer stroke capabilities.

Maximum drilling capacity of 3" (76mm) diameters are standard with the DB100 while the DB200 can drill up to 5" (127mm) diameters, dependant on material. The unit can be used for standard hole drilling, stud removal and spot facing. The rigid slide set up and drilling head have also been used for driving a boring bar.

The DB100 and DB200 are different in the types of drilling heads being used. The DB100 utilizes a National 40 TEP drilling head while the DB200 uses a National 50 head for larger drilling jobs. The drilling heads incorporate a two speed gear selector for variable spindle speeds with drawbar tool holder. The drilling heads and downfeed are driven by hydraulics, pneumatics, or a combination of the two. Electric drives for the down feed is also an available.

This machine like other Silk manufactured goods are conducted in strict conformance to the ISO 9001 quality system.

Specifications

Motors:

Hydraulic – OMP100 / OMM 50 @ 16 GPM.

Pneumatic - IR4800U @ 130 CFM.

Drill Speeds:

Hydraulic Position 1 - 0 to 476 RPM

Hydraulic Position 2 - 0 to 100 RPM

Pneumatic Position 1 - 80 RPM

Pneumatic Position 2 - 108 RPM

Customer specified combinations of hydraulic drilling head and electric or pneumatic slideway feed are available upon request.

Detachable Base Plate:

Allows for multiple mounting arrangements.

Digital Readout:

Gives accurate readings of drilling depth.

Feed Rates:

Hydraulic - 0 to 0.75" / min.

Pneumatic - 0.08" / min. cutting.

Pneumatic - 0.51" / min. free.

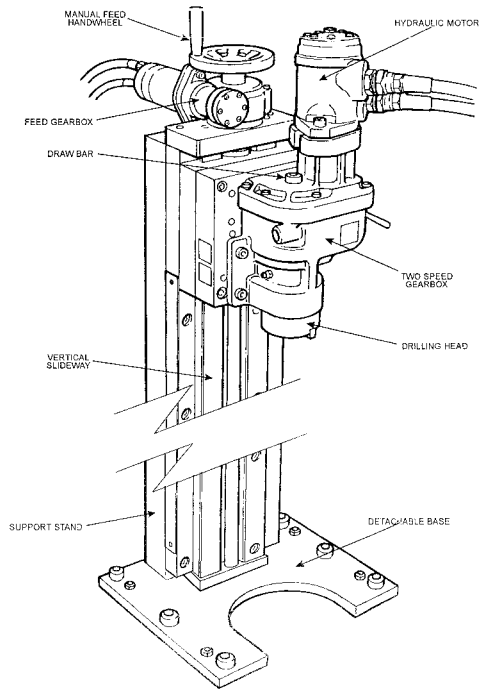


Fig. 1 Silk Stud Drill

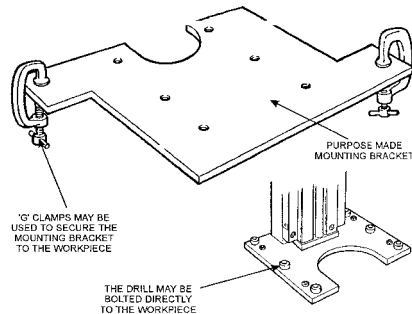


Fig. 3 Mounting the drill on the workpiece

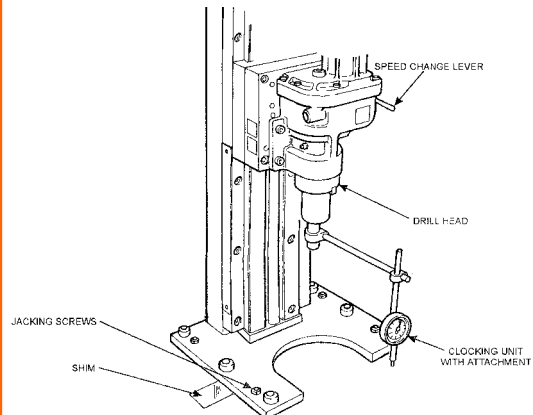


Fig. 4 Setting the drill vertically on the workpiece

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