



BB 1250 Portable Boring Bar

30 mm (1.18") Diameter Boring Bar

Mactech's portable BB1250 Boring Bar Bore Repair System is both powerful and versatile

The compact size and easy set-up make this one of the most efficient bore repair systems on the market.

A powerful variable speed motor can cut through the toughest materials.

The spherical fixture mounting system makes installation and centring easy and accurate.

The 30mm Boring Bar makes your bore repairs quick and easy, all done on- site to save the time and expense of shop repair



Key Features

- 30mm diameter Boring Bar
- Variable Speed
- Electric Drive
- 40mm to 150mm bores
- Bi-directional Electrical Variable Feed
- Uses 10mm tooling
- Intermediate Bearing Support Included
- Balanced weight distribution along length of the bar





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Specifications

Drive Unit Specification 110v supply
 Measured rotation of bar with 2 speed Eibenstock motor
 40 rpm slow but when boring 70 dia used 80 rpm
 Mactech gearbox ratio is 30t worm with 4 start pinion 7.5:1
 Motor revs 80 x 7.5 = 600 rpm
 300rpm lowest to 800rpm highest

Feed Unit Specification 110v Supply
 Uses a 20mm diameter x 5mm lead ballscrew

Feed Output Speed Variable from 1 rev/min to 20 rev / min
 Provides Feed Rate of 5mm/min to 1000mm/min

Measured Feed Rates

Fast potentiometer setting 10	88mm/min
Cutting potentiometer setting 3	22mm/min
Slow cutting potentiometer setting 2.5	17mm/min

Drive Specification

Gearbox Ratio	100:1	
Ballscrew Lead	5mm	
@Potentiometer 2.5	17/5 = 3.4 revs feedscrew	3.4 x 100 = 340 motor rpm
@ Potentiometer 10	88/5 = 17.6 revs feedscrew	17.6 x 100 = 1760 motor rpm

Bar Information

Travel	250mm (10 inches)
Tool Holders	10mm up to 150mm bores
Boring Bar	30mm Diameter

