

OPTIMUM BF-16VOPTIMUM®**Mini Opti-Mill Drill - Geared & Tilting Head****Table Travel: (X) - 220mm (Y) - 160mm (Z) - 210mm**

OPTIMUM Mini Opti-Mill Drill - Geared & Tilting Head BF-16V



Tilting Head



Left View



Front View



Control Panel



Safety Guard



Quill Feed Handle



High Low Gearbox Drive



Vertical Height Scale



Z-Axis Adjustment Dial



Quill Lock



Tilting Head Lock



Drawbar



Rear Slide Cover



Dovetail Column



Work Table



Table Limit Stop

OPTIMUM Mini Opti-Mill Drill - Geared & Tilting Head BF-16V



Table Longitudinal Dial



Table Cross Feed Dial



Toolbox



Shown on Optional Stand
M651

Description

Excellent quality mini mill drill machine designed for the model engineer

Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to $\pm 90^\circ$ from vertical
- 3MT spindle taper
- Adjustable dovetail slideways on all 3 axis
- Heavy duty cast iron body and base for better stability
- 2-speed gearbox (high/low) drive system to maximise torque
- IP54 with low-voltage release switch
- Scale collars for all axis are adjustable
- 400 x 120mm cast iron work table with T-slots
- Adjustable table and drill length stops
- Metric dial graduations on X & Y Axis
- Rear slideway cover and slide clamps on all axis

Includes

- 3MT x JT6 drill chuck arbor
- Safety cutter guard
- Bracket kit for optional digital readout
- 1/2" x 12tpi whitworth drawbar

Specifications

ORDER CODE	M649
MODEL	BF-16V
Digital Readout	Optional
Type	Vertical
Table Size (mm)	400 x 120
Column Type	Dovetail
Spindle Taper - Vertical	3MT
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	220

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Cross Travel (Y-Axis) (mm)	160
Vertical Travel (Z-Axis) (mm)	210
Type of Slides	Dovetail
Ram Travel (mm)	~
Spindle to Table (mm)	270
Spindle to Base	~
Spindle Travel / Diameter (mm)	50 / 60
Throat Depth (max.) (mm)	170
Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	16
End Milling Capacity (mm)	20
Face Milling Capacity (mm)	63
Power Feed - Quill (mm/rev)	~
Power Feed - Longitudinal (X-Axis) (mm/min)	~
Power Feed - Cross (Y-Axis) (mm/min)	~
Power Feed - Vertical (Z-Axis) (mm/min)	~
Table T-Slot Size (inch / mm)	10
Work Table Load Capacity (kg)	25
Spindle Speeds Vertical (No./ rpm)	Variable (100 - 3000)
Spindle Speeds Horizontal (No./ rpm)	~
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	0.5 / 0.66
Motor Power - Horizontal Spindle (kW / hp)	~
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	78