

Product Brochure For M649

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

Table Travel: (X) - 220mm (Y) - 160mm (Z) - 210mm
 Electronic Variable Speeds & Dovetail Column

Ex GST **Inc GST**
\$1,290.00 **\$1,419.00**



OPTIMUM



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
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

Description

Excellent quality mini mill drill machine designed for the model engineer

Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to ±90° 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

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Includes

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

Specific Features



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

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Rear Slide Cover



Dovetail Column



Work Table



Table Limit Stop



Table Longitudinal Dial

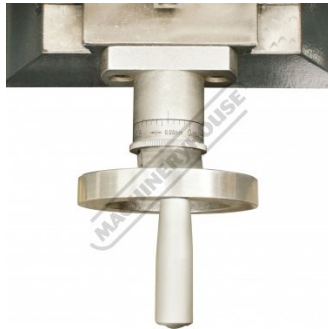


Table Cross Feed Dial



Toolbox



Includes Bracket Kit for Optional Readout



Shown on Optional Stand M651

Recommended Accessories

M651
 Mill Drill Stand



D695
 3-Axis Optimum Digital Readout Counter - 1µm



D694
 1500mm Optimum Magnetic Digital Readout Scale



D697
 Optimum Magnetic Digital Readout Reader Head



T773
 Industrial Mobile Tooling Cabinet Workstation



C922B
 Collet & Chuck Set - 8 Piece



C926
 Collet & Chuck Set - 20 Piece



C0945
 Clamp Kit 58 piece - Workshop Series

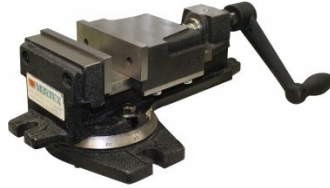


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C0948
 Mini Clamp Kit 10 piece -
 Workshop Series



V104
 Vertex K-Type Milling Vice



M3301
 Metric HSS Slot Drill & End Mill
 Set - 10 Piece



M3321
 Imperial HSS Slot Drill & End
 Mill Set - 10 Piece



M182
 Precision Boring Head Kit



M192
 Boring Head Shank



M180
 Boring Bar Set - 9 piece



M250
 Parallel Set - 8 Piece



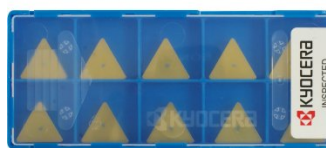
M530
 Universal Milling Kit - 4 Piece



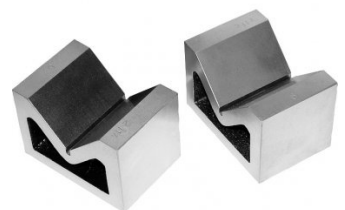
M528
 Face Mill 90° - Positive Rake



L066
 KYOCERA Carbide Inserts -
 Milling



V004
 Cast Iron Vee Block



Product Brochure For M649

R001
Rotary Table



R005
Vertex Rotary Table



R0014
Tilting Rotary Table



P235
Coolant Pump & Tank



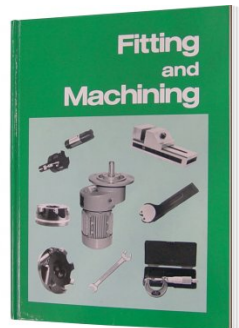
S090A
Soluble Metal Cutting Fluid - 1
Litre



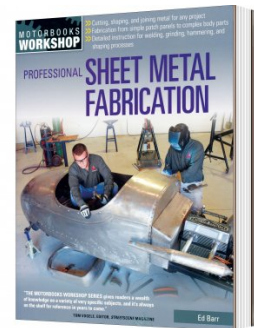
S090
Soluble Metal Cutting Fluid - 5
Litre



L341
Fitting and Machining Technical
Book



L3455
Professional Sheet Metal
Fabrication Book



L300
Magnetic Swarf Remover



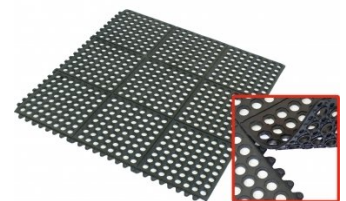
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



Product Brochure For M649

O000

SpillFix Universal Organic Absorbent



O000A

Natural Zeolite Absorbent



O043

Rust & Corrosion Preventive - Penetrant & Lubrication



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive - Penetrant & Lubrication



O044

Rust & Corrosion Preventive - Penetrant & Lubrication

