

Product Brochure For M646

Opti-Mill Head Attachment - Geared & Tilting Head - BF-16AV

Electronic Variable Speeds & Dovetail Column



OPTIMUM



ORDER CODE:	M646
MODEL:	BF-16AV
Digital Readout:	Optional
Type:	Vertical
Table Size (mm):	~
Column Type:	Dovetail
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	~
Cross Travel (Y-Axis) (mm):	~
Vertical Travel (Z-Axis) (mm):	210
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	~
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):	~
Work Table Load Capacity (kg):	~
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):	67

Description

The BF-16AV mill head attachment is specifically designed to suit the TU-2506V & TU-3008G Optimum bench lathes; converting them into a universal combination lathe/mill when mounted together. In addition this compact setup has the advantage of that it requires less valuable floor space than the two separate conventional machines.

Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to ±90° from vertical
- 3MT spindle taper
- Adjustable dovetail slideway on Z-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
- Adjustable drill length stop
- Metric dial graduations

Note: The lathe rear splash tray is required to be removed to fit Mill Head Attachment

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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



Control Panel with Variable Spindle Speed



Swivel Head Lock



High Low Geared Drive



Dovetail Column



Z-Axis Scale



Z-Axis Hand Wheel



Quill Handle



Quill Lock



Drawbar



Safety Guard

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Recommended Accessories

L689
 Opti-Turn Bench Lathe



L691
 Opti-Turn Bench Lathe



Stand Sold Separately

L690
 Lathe 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



C926
 Collet & Chuck Set - 20 Piece



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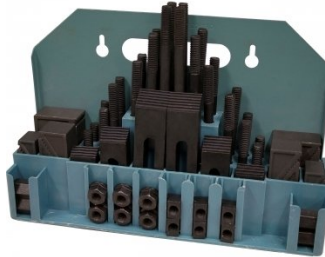
C922B
 Collet & Chuck Set - 8 Piece



C0948
 Mini Clamp Kit 10 piece -
 Workshop Series



C0945
 Clamp Kit 58 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



M3280
 13mm HSS End Mill Long
 Series



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



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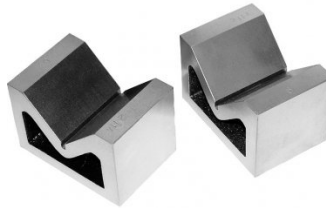
M528
 Face Mill 90° - Positive Rake



L066
 KYOCERA Carbide Inserts - Milling



V004
 Cast Iron Vee Block



R001
 Rotary Table



R0014
 Tilting Rotary Table



P235
 Coolant Pump & Tank



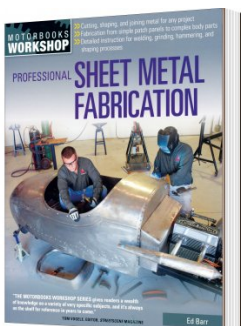
S090A
 Soluble Metal Cutting Fluid - 1 Litre



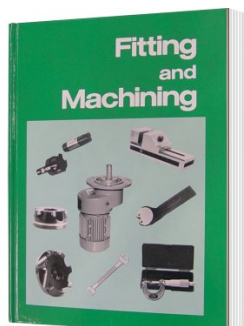
S090
 Soluble Metal Cutting Fluid - 5 Litre



L3455
 Professional Sheet Metal Fabrication Book



L341
 Fitting and Machining Technical Book



L300
 Magnetic Swarf Remover



M9991
 Magnetic Floor Sweeper

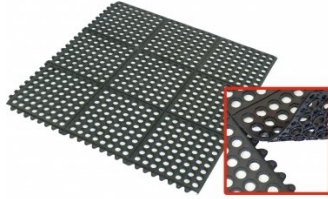


Product Brochure For M646

M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic Absorbent



O043
 Rust & Corrosion Preventive



O042
 General Purpose Lubricant & Corrosion Inhibitor



O040
 Rust & Corrosion Preventive



O044
 Rust & Corrosion Preventive

