

HAFCO-METALMASTER HM-32



Mill Drill - Belt Drive

Table Travel: (X) - 540mm (Y) - 190mm (Z) - 410mm



HAFCO-METALMASTER Mill Drill - Belt Drive HM-32



Right View



Front View



Left View



Rear View



Side View Head Fully Raised



Side View Head Fully Lowered



Top of Belt Guard



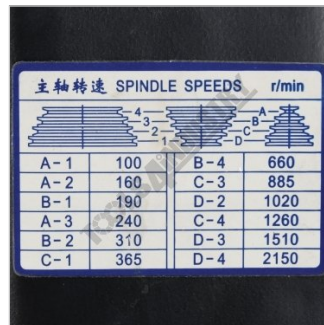
Pulley Guard Opens at Any Head Height



B Section Belt Drive System



Safety Micro Switch on Belt Guard



Spindle Speed Chart



Drawbar Access



Locking Nuts for Head and Motor Tension Lock



Quill Handle



Fine Feed Quill Handwheel and Quill Lock Lever



Quill Spring Return

HAFCO-METALMASTER Mill Drill - Belt Drive HM-32



75mm Quill Diameter



Quill Depth Scale



Safety Chuck Guard



Forward and Reverse Switch and Emergency Stop Button



On Off Switch



Rack and Pinion Wind Up Head



Rear Slide Cover



Worktable



Adjustable Table Length Stops



Table Locks on Both Axis



Table Cross Feed Handle



Table Longitudinal Handle



Fold In Handles



Included Accessories



Shown with Optional Stand M135A

HAFCO-METALMASTER Mill Drill - Belt Drive HM-32**Description**

This is a rugged and well made machine with good capacities and plenty of power, a good choice for a serious home engineer.

The belt driven head provides a useful range of 12 speeds, 100-2150rpm and is quiet in operation, the head can be re-positioned on the column with the aid of a handle driven rack and pinion drive.

The table has T slots to allow the work to be directly mounting to table, or in a milling vice, with two large diameter control hand wheels with metric calibrations for the longitudinal axis.

The fine down feed control can be locked firmly in position when milling and the mill also features an easy-to-read depth stop.

Optional power feed provides smooth variable speed drive to longitudinal travel

Features

- Quiet B section belt drive system
- Milling head rotates 360° on column
- Extra large 820 x 240mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Forward and reverse on/off switch with emergency stop
- 3MT spindle with 75mm diameter quill
- Adjustable table and drill length stops
- Rack and pinion wind-up head
- Rear slide-way cover and slide clamps on all axis
- Spindle lock for quill
- Table locks on both axis
- Metric dial graduations @ 0.05mm for X & Y axis
- Optional power feed fits straight on the table

Includes

- Drill chuck
- 3MT arbor
- 3MT-2MT drill sleeve
- Face cutter & arbor
- 3" tilting vice
- Safety cutter guard
- 1/2" x 12tpi whitworth drawbar

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Specifications

ORDER CODE	M121
MODEL	HM-32
Digital Readout	Optional
Type	Vertical
Table Size (mm)	820 x 240
Column Type	Ø115mm
Spindle Taper - Vertical	3MT
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	540
Cross Travel (Y-Axis) (mm)	190
Vertical Travel (Z-Axis) (mm)	410
Type of Slides	Dovetail
Ram Travel (mm)	~
Spindle to Table (mm)	455
Spindle to Base	~
Spindle Travel / Diameter (mm)	130 / 75
Throat Depth (max.) (mm)	202
Tilting Head (Left ~ Right)	Fixed
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	31.5
End Milling Capacity (mm)	22
Face Milling Capacity (mm)	80
Power Feed - Quill (mm/rev)	~
Power Feed - Longitudinal (X-Axis) (mm/min)	Optional
Power Feed - Cross (Y-Axis) (mm/min)	~
Power Feed - Vertical (Z-Axis) (mm/min)	~
Table T-Slot Size (inch / mm)	14
Work Table Load Capacity (kg)	55
Spindle Speeds Vertical (No./ rpm)	12 (100 - 2150)
Spindle Speeds Horizontal (No./ rpm)	~
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	1.5 / 2
Motor Power - Horizontal Spindle (kW / hp)	~
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	295