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Product Brochure For K8744

# HM-52G Geared Head Turret Milling Machine - Includes Tooling Package - QLD Schools / TAFE

(X) 600mm (Y) 220mm (Z) 340mm

QLD Contract Item No. 16.3



| | |
|---|---|
| ORDER CODE: | K8744 |
| NSW DOE Item No.: | ~ |
| QLD DOE Item No.: | 16.3 |
| MODEL: | Schools / TAFE HM-52G |
| Digital Readout: | Optional |
| Drilling Capacity (mm): | 38 |
| End Milling Capacity (mm): | 32 |
| Face Milling Capacity (mm): | 80 |
| Spindle Taper: | NT30 |
| Quill Travel / Diameter (mm): | 125 / 90 |
| Spindle to Table (mm): | 375 |
| Type of Slides: | Dovetail |
| Spindle to Column (mm): | 640 |
| Table Size (mm): | 1000 x 240 |
| T-Slot (mm): | 14 |
| Longitudinal Travel (X-Axis) (mm): | 600 |
| Cross Travel (Y-Axis) (mm): | 220 |
| Vertical Travel (Z-Axis) (mm): | 340 |
| Work Table Load Capacity (kg): | 175 |
| Swivel Head (Left - Right): | ±90º |
| Quill Feed Rate/Rev (mm/rev): | Manual |
| Spindle Speeds (Vertical) (No. / rpm): | 8 (115-1750rpm) |
| Spindle Speeds (Horizontal) (No. / rpm): | 9 (60-1350rpm) |
| Motor Power (Vertical) (kW / hp): | 1.5 / 2 |
| Motor Power (Horizontal) (kW / hp): | 1.5 / 2 |
| Motor Voltage (V / amp): | 415 |
| Nett Weight (kg): | 1050 |

## Description

We for many years have been working in close consultation with the education departments to ensure the most suitable equipment is provided to our schools and TAFE, not only does it comply with the departments stringent safety requirements but is built to last the distance. That's why we consider our company to be a specialist when it comes to supplying quality Wood Work and Metal Working Machinery for Public or Private Schools, TAFE Colleges and Trade Training Centres in all states of Australia.

A well-built entry level geared head, turret milling, vertical and horizontal, drilling machine with a powerful continuous-load 1.5 kw motor, intended for trade use. The work table is precision made with adjustable dovetail guides and is recognised for its 600mm X axis by 220mm Y axis travel. There is a three armed handle on the side for drilling also incorporating a fine feed control hand wheel on the front for milling. Two levers mounted on right side of milling head enables quick change off the geared spindle speeds.

Other features include taper roller bearing support for the spindle, easy-to-read drilling depth stop, low voltage work light, 6 piece metric collet chuck set, coolant system, 150mm machine vice, drill chuck, 2 & 3 morse taper adaptors. The combination of generous sized vertical support and rugged cast iron construction throughout reduces vibration and guarantees accurate and chatter-free operation.

## Features

- Swivel table & two arbors for the Horizontal spindle
- Geared head for vertical spindle speeds
- Tilting head ±90º left to right.
- 340mm horizontally sliding and rotating ram
- NT30 Horizontal and vertical spindles that are hardened and ground
- Precision-ground dovetail slide-ways and table
- Precision milling table incorporating machined T slots
- Rear concertina slide-way cover
- Forward and reverse on/off switch
- Fine hand wheel operated quill feed
- Swarf & splash tray
- Spindle lock for quill
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Vertical dial graduations on hand wheel @ 0.05mm

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- All slides utilise dovetail construction for maximum rigidity

- * Note: X & Y travels maybe reduced due to digital readout scales and safety stops
- * Note: Optional Y & Z power feeds require additional parts & fitting (not included)

## Includes

- Swarf Tray
- Coolant system
- Halogen lamp
- 2 & 3MT adaptors
- 150mm Machine Vice (V106)
- 75mm Face Mill Cutter (M512)
- NT30 x 27mm Face Mill Arbor (M542)
- Pkt of 10 Milling Inserts (L066)
- NT30 x 6 Piece Collet Chuck Set (C9245)
- 6-20mm Metric End Mill & Slot Drill Set (M330)
- 10mm T Slot Cutter (M3280)
- 12mm T Slot Cutter (M3281)
- 14mm Clamp Kit (C096)
- 16mm Keyless Drill Chuck (C294)
- NT30 Drill Chuck Arbor (D451)
- 128mm- BS-1 Dividing Head (D002)
- 150mm 3 Jaw Lathe Chuck (C203)

## Specific Features



Geared Head Spindle Speed Selectors

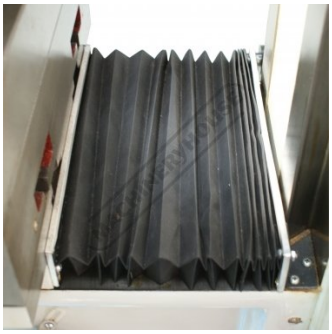

Horizontal Spindle



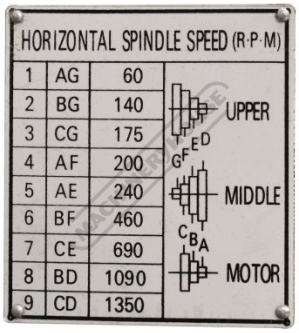
Spindle Speed Chart


Tilting Head Scale


Adjustable Swivel and Sliding Ram


Concertina Slide Way Cover


Swivel Table and Feed Limit Switches



Horizontal Speed Spindle Chart

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Vertical Spindle Switch


Knee Feed Handle


Horizontal Spindle Support


Halogen Light



Horizontal Spindle Switch


Coolant Pump


Accessories Included, Metric Collet Chuck, Drill Chuck and Arbor, Morse Taper Adaptors

## Recommended Accessories

M229
Power Feed Unit



V106
Vertex K-Type Milling Vice



C0965
Clamp Kit 58 piece - Workshop Series



M540
Face Mill Arbor



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# Product Brochure For K8744

M530
Universal Milling Kit - 3 Piece with INSERTS



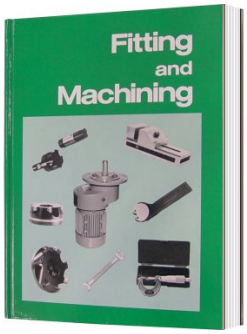
M333
Metric HSS Slot Drill & End Mill Set - 12 Piece



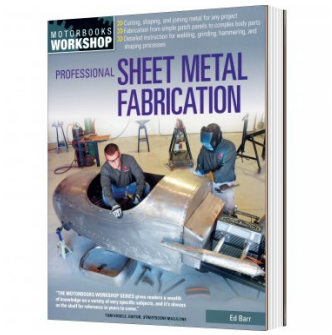
M335
Imperial HSS Slot Drill & End Mill Set - 12 Piece



L341
Fitting and Machining Technical Book




L3455
Professional Sheet Metal Fabrication Book




R004
Vertex Super Indexing Head



R006
Vertex Rotary Table



M242
Angle Plate - Precision Ground



M243
Angle Plate - Precision Ground



M182
Precision Boring Head Kit



M183
Precision Boring Head Kit



M184
Precision Boring Head



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# Product Brochure For K8744

M193
Boring Head Shank



M197
Boring Head Shank



M250
Parallel Set - 8 Piece



M252
Parallel Set - 18 Piece



M180
Boring Bar Set - 9 piece



M181
Boring Bar Set - 12 piece



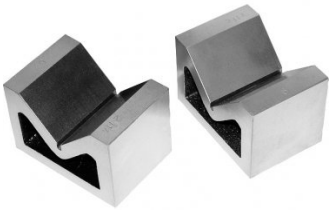
V010
Alloy Steel Vee Block



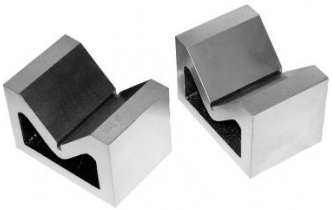
V003
Cast Iron Vee Block



V004
Cast Iron Vee Block



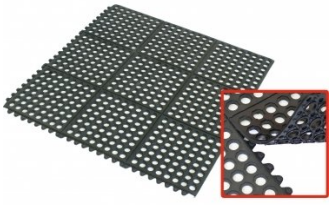
V006
Cast Iron Vee Block



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



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# Product Brochure For K8744

S090A
Soluble Metal Cutting Fluid - 1 Litre




S090
Soluble Metal Cutting Fluid - 5 Litre




S076
Cutting Tool Lubricant Fluid - 500ml




S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g




S075
Cutting Tool Lubricant Paste - 200g




S074
Cutting Tool Lubricant Paste - 500g




O000
SpillFix Universal Organic Absorbent




O043
Rust & Corrosion Preventive




O042
General Purpose Lubricant & Corrosion Inhibitor




O040
Rust & Corrosion Preventive




O044
Rust & Corrosion Preventive

