



DESCRIPTION OF DRILLMATE

PART No. DM 100

Drillmate is best described as a lightweight portable drill press, and with the attachments is suitable for most drilling requirements.

Both air and electric drills can be used - shims are provided to cater for a range of neck sizes. Ensure correct shims are used.

Max. neck size 46.3mm (1 13/16")

Advantages of Drillmate can be categorised into three areas:

Ergonomic:- Reduction of human effort required and in awkward situations direction of force ergonomically desirable.

Safety:- Drillmate reduces the load on the operator, giving full control and reduces the twisting action normally applied to the pelvis.

Productivity:- Due to the even and correct force being applied to drill and reaction force being applied directly behind work piece (i) Maximum efficiency, thus rapid drilling is achieved and (ii) holes are a lot straighter in work piece than is generally achieved by hand.

Drillmate has two attachments which are standard in the kit.

The first attachment is the channel stem which is 100mm. (4") long. This allows the leg of drillmate to fit around the flanges of a channel or I beam, for drilling of the main web area.

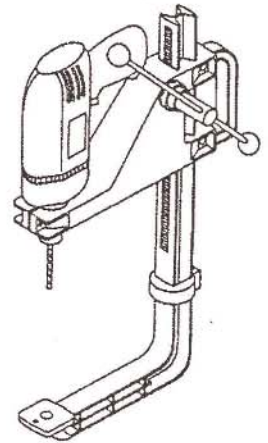
The second attachment is a "Vee" block for drilling of pipes or round material up to 65mm (2½") diameter. A little effort is required to adjust to the slightly different taper of rolled steel joists.

A stop lock collar is provided for depth control for multiple use.

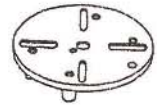
Optional accessories:

(i) **Work plate** - This gives a larger surface for the support of the work piece to be drilled. Slots are provided for a vice to be fitted (drill vice and attachment bolts are not supplied). With the work plate provision is made for mounting to workbench.

(ii) **45° Block** - This block allows the work plate to be tilted to 45° to allow for easy drilling of mitred surfaces, e.g. dowels for mitred timber joints.



DRILL STAND



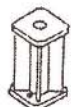
WORK PLATE
(OPTIONAL EXTRA)



VEE BLOCK



45° ADAPTOR
(OPTIONAL EXTRA)

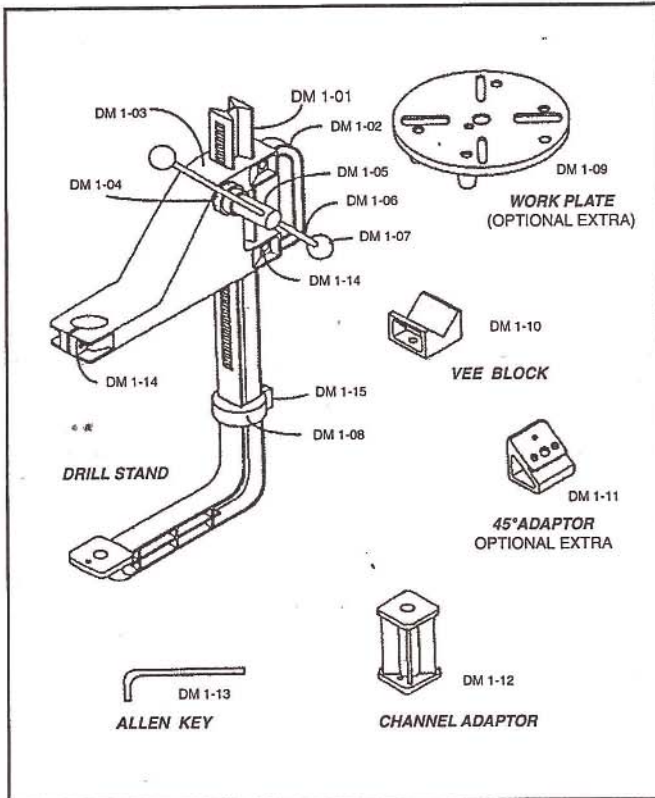


CHANNEL ADAPTOR

REGISTERED DESIGN: AUSTRALIA, BRAZIL, CANADA, CHINA, FRANCE, GERMANY, ITALY, JAPAN, SOUTH KOREA, NETHERLANDS, NEW ZEALAND, PHILLIPINES, SPAIN, SWEDEN, TAIWAN, UNITED KINGDOM, UNITED STATES.

DRILLMATE the **FORCE** behind the **"HOLE"** world

PARTS LIST

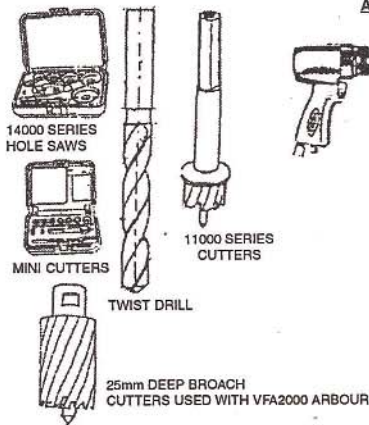


Part No.	Qty.	Description
DM 1-01	1	Main Leg
DM 1-02	1	Drill Carrier
DM 1-02A	1	Air Drill Carrier
DM 1-03	1	Gear
DM 1-04	1	Dial
DM 1-05	1	Spindle
DM 1-06	1	Rod
DM 1-07	2	Knobs
DM 1-08	1	Stop Collar
DM 1-09	1	Work Plate
DM 1-10	1	Vee Block
DM 1-11	1	45° Adaptor
DM 1-12	1	Channel Adaptor
DM 1-13	1	Allen Key 5mm
DM 1-14	3	Bolt & Nut Assy.
DM 1-15	1	Bolt & Nut Assy.
DM 1-16	2	Attachment Bolts
DMSK-100	1	Shim Kit

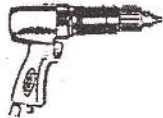
DRILLMATE - ACCESSORY CHART



CUTTERS APPLICABLE



AIR DRILLS

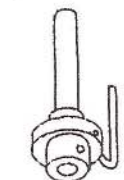


ELECTRIC DRILLS

43.0mm Ø neck required

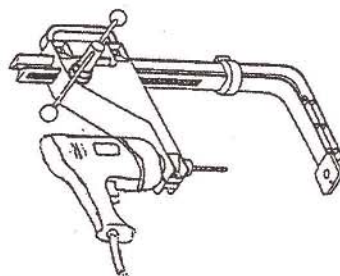


Slow speed, high torque electric drills required when using VFA2000 arbour with broach cutters. eg. Metabo BE622 0-600rpm



VFA2000 ARBOUR

Suits 25mm depth broach cutters
 Slugger, Hougen, Rotabroach, Afra and other Euro cutters.
 Wet chuck supplies cutting fluid to centre of cutter. Use with CVFL2000 Lubricator to ensure ready supply of cutting fluid.
 NOTE: Cutter Manufacturer's pin to be used.



DM100 - ELECTRIC 43.0mm DIA. BORE
DM 100A - AIR 46.3mm DIA. BORE
 Sleeves available to suit most of Air Drill Range.



DM 1-10 Vee Block - allows for drilling of pipes etc.



DM 1-12 Channel Adaptor - 100mm stem to allow Drillmate to extend around channel flanges etc.



DM 1-09 Work Plate - *Optional Extra*, Extra stability for work piece when used as a drill stand.



DM 1-11 45° Adaptor - *Optional Extra*, To tilt work table 45° for drilling mitre joints etc.

DRILLMATE the **FORCE** behind the **"HOLE"** world

INSTRUCTIONS FOR USE

1. Fit drill into drill carrier throat - use shims to suit drill - to ensure drill is firmly clamped into carrier - **DO NOT OVERTIGHTEN** - Max. torque 7.0Nm (62 inlbs).
2. Ensure drill is aligned to centre hole in leg.
3. Ensure stop lock collar is set for hole depth or clear of carrier.
4. Mark centre of hole (sharp centre punch).
5. Align drill bit or cutter to marked hole centre - wind carriage handle until leg is aligned behind hole centre (use vee block or channel stem where necessary).
6. **NOTE: Use left hand** to support drill body & operate trigger, ease back.
Use right hand to operate drillmate carriage lever.
Drill mate generates a 14:1 force ratio to drill bit/cutter.
Easing back on drill body prevents lunging forward when drill bit/cutter breaks through, reducing likelihood of drill bit/cutter breakage.
7. Commence drilling, **AFTER observing ALL SAFETY INSTRUCTIONS.**
MAXIMUM CAPACITIES: Twist drills 8.0 mm (5/16") without pilot hole.
13.0 mm (1/2") with pilot hole.
Thin wall broach cutters 3.1mm /1/8" wall
26.0mm (1")

Ensure drill speed matches drill bit/cutter size and material being drilled. When drilling deep holes ensure drill bit/cutter is cleared regularly and not allowed to become choked.

DRILLMATE is a portable drill press and has the following attachments:

(Two attachment screws stored in side of carriage)

1. Channel Stem Attachment.

Use when drilling main web of channels or I beams.

2. Vee Block Attachment.

Used for drilling round material up to 65mm (2 1/2") diameter.

3. Work Plate Attachment. (OPTIONAL EXTRA)

This can be used to give greater support for general drilling requirements. It can also be used for holding Drillmate to work bench for use as a conventional drill stand. Provision is made for drill vice (not supplied). Ensure workplate is locked in place with screws provided. Screws not supplied to screw plate to bench.

4. 45° Block (OPTIONAL EXTRA)

This attachment is fitted to main leg, then the workplate is fitted to the 45° block. This attachment is ideal for mitre joints. Stop lock collar should be set for this work to ensure hole is not drilled too deep.

N.B. Either Drillmate or the workpiece must be supported before commencing to drill.

Drillmate has ribs provided in bottom part of leg for clamping in vice, this is the only area that should be clamped.

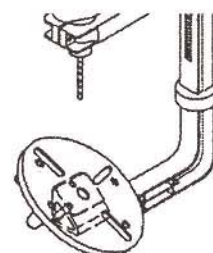
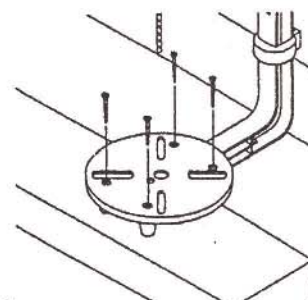
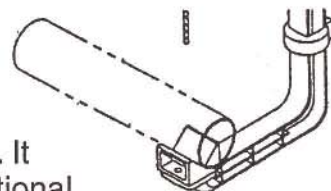
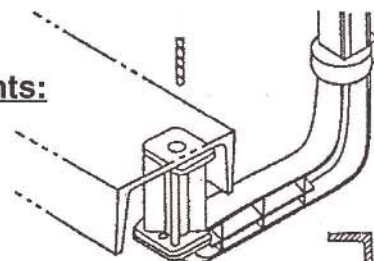
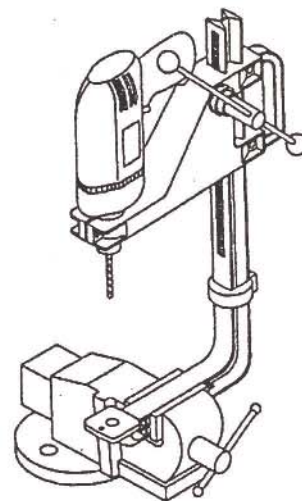
SAFETY INSTRUCTIONS OVERLEAF - THESE MUST BE FOLLOWED



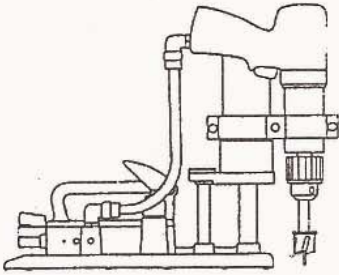
We Have The Product With:

ERGONOMICS, SAFETY & PRODUCTIVITY

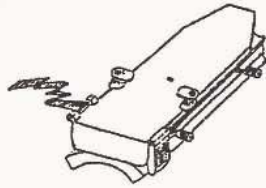
VICE MOUNTED
WITH TABLE
FITTED



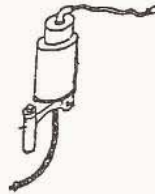
OTHER INNOVATIVE DRILLMATE PRODUCTS



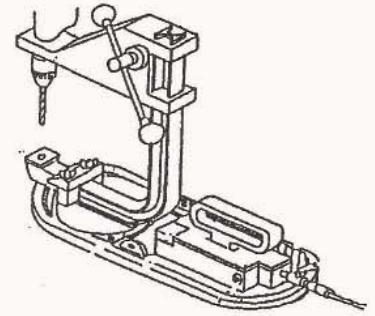
VAC-FORCE 2000



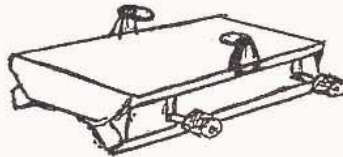
PIPEVAC 2000



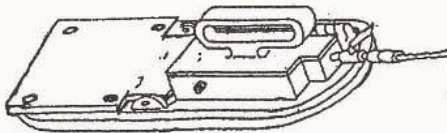
LUBRICATOR



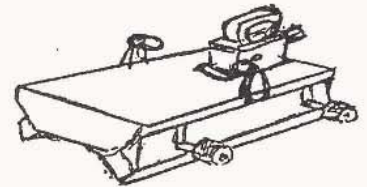
VAC-PAD W/- T/TABLE



CURVED SURFACE ADAPTOR



VAC-PAD W/- STEEL PLATE



VACUUM GENERATING C.S.A.



WARNING !



Read ALL instructions before operating this tool.

ENSURE HIGH FLOW FITTINGS ARE USED FOR ALL AIR SUPPLY COMPONENTS

ALWAYS wear safety goggles when operating or repairing this tool. Use may produce flying objects.

ALWAYS wear hearing protection when operating this tool.



For safety, top performance, and maximum durability of parts operate a pressure no more than 120 p.s.i. (640 kPa), or a manufacturer's maximum recommended pressure.

Use a safety cable when operating at heights.



Repairs should only be carried out by suitably qualified technicians.

Keep hands, loose clothing and long hair away from rotating parts.

Check for excessive speed or vibrations before operating.



Do NOT lubricate tools with inflammable liquids such as kerosine, diesel or jet fuel.

Do NOT carry unit by the hose with air drills or by the chord with electric drills.

Do NOT remove any labels - Replace any damaged labels.



Use only accessories recommended by *DRILLMATE* and / or drill manufacturer.

This tool is **NOT** electrically insulated, **NEVER** use the tool if there is any chance of coming into contact with live electricity (e.g. inside wall cavity).

ALWAYS use air hoses and couplings with a minimum working pressure rating at least 1.5 times the operating pressure. Check hoses and fittings regularly for damage and/ or water when using air tools.

Do NOT disable or bypass any safety devices on any equipment.

ALWAYS turn off or disconnect the air supply (electric power if using electric drills) before installing, removing or adjusting any accessory on this tool, or before performing any maintenance.



BEWARE OF ROTATING MACHINE PARTS

Inspect cutting tool for any obvious defects before use.

Do NOT lock drill in continuous operation mode by trigger lock.



Ensure clean air supply is used, when using air drills.

Use gloves especially when operating air tools.

CAUTION!! When using broach cutters, slug is under spring pressure. **ENSURE** slug ejection will not cause damage or injury to property or person.

PRODUCTS IMPORTED AND DISTRIBUTED NATIONALLY BY:



INDUSTRIAL TOOL & MACHINERY SALES

18 BUSINESS ST, YATALA QLD 4207

T: 07 3287 1114 E: sales@industrialtool.com.au

F: 07 3287 1115 W: www.industrialtool.com.au