

## Product Brochure For D181A

# Pedestal Mill Drill - Geared & Tilting Head - DMF-42

Table Travel: (X) - 370mm (Y) - 175mm (Z) - 780mm

31.5mm Drilling Capacity



ORDER CODE:	D181A
MODEL:	DMF-42
Digital Readout:	Optional
Type:	Vertical
Table Size (mm):	585 x 190
Column Type:	Ø115mm
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	370
Cross Travel (Y-Axis) (mm):	175
Vertical Travel (Z-Axis) (mm):	780
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	780
Spindle to Base:	1300
Spindle Travel / Diameter (mm):	120 / 75
Throat Depth (max.) (mm):	250
Tilting Head (Left ~ Right):	±90°
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
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):	6 (95 - 1600)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	1.1 / 1.5
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	350

## Features

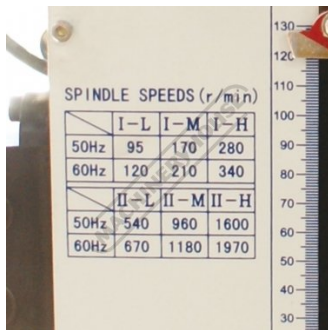
- Ideal for home or light industrial workshop use
- Geared head drill & mill machine with 3 morse taper spindle
- 6 drilling speeds from 95-1600rpm
- Micro down feed adjustment
- Mill head tilts to ±90°
- Milling table travels 370 x 175mm
- Swivel safety drilling chuck guard
- Emergency stop switch and overload protection
- Adjustable accurate depth setting for increased productivity
- Rack and pinion wind-up table
- Rack and pinion wind-up drill head
- Thick walled column ensuring greater rigidity
- Concertina slide way cover on y axis
- Adjustable gibs on table
- 14mm T slotted work table and base
- 1.1kW 240V motor
- Includes drawbar for milling

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**Includes**

- Milling cutter
- 16mm keyed drill chuck and arbor
- Chuck key to suit
- Drill drift tool to remove drill chuck or taper shank drills
- Safety cutter guard

**Specific Features**



SPINDLE SPEEDS (r/min)

	I-L	I-M	I-H
50Hz	95	170	280
60Hz	120	210	340
	II-L	II-M	II-H
50Hz	540	960	1600
60Hz	670	1180	1970

6 Drilling Speeds from 95 1600rpm



Gear Selection Levers



Swivel Safety Drilling Chuck Guard



Adjustable Accurate Depth Setting For Increased Productivity



Front Controls



Quill Handle



Rack and Pinion Wind Up Drill Head



Swivel Head



Rack and Pinion Wind Up Table



T Slotted Work Table



Drawbar for Milling



Table Cross Travel Handle

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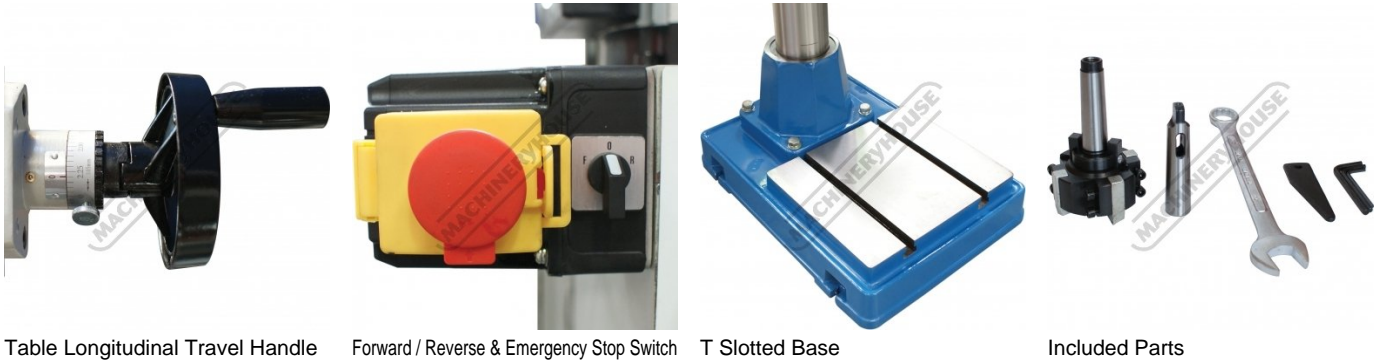


Table Longitudinal Travel Handle

Forward / Reverse & Emergency Stop Switch

T Slotted Base

Included Parts

**Recommended Accessories**

D695

3-Axis Optimum Digital Readout Counter - 1µm

D694

1500mm Optimum Magnetic Digital Readout Scale

M230

Power Feed Unit

M240

Transformer



D322

3MT Morse Taper Shank Drill Bit

K150

Mill-Drill Accessory Package Deal - Imperial Cutters

K151

Mill-Drill Accessory Package Deal - Metric Cutters

C0965

Clamp Kit 58 piece - Workshop Series



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**C922B**  
Collet & Chuck Set - 8 Piece



**C926**  
Collet & Chuck Set - 20 Piece



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



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



**D1171**  
Metric Industrial HSS Reduced Shank Drill Set



**D1181**  
Imperial Industrial HSS Reduced Shank Drill Set



**D117**  
Metric HSS Reduced Shank Drill Set



**D4433**  
3MT x JT3 Drill Chuck Arbor - 1/2" BSW Threaded Shank



**D4436**  
3MT x JT6 Drill Chuck Arbor - 1/2" BSW Threaded Shank



**C289**  
Heavy Duty Drill Chuck - Keyed Type



**C290**  
Heavy Duty Drill Chuck - Keyed Type



**C292**  
Industrial Drill Chuck - Keyless Type



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**C294**  
Industrial Drill Chuck - Keyless Type



**T004B**  
Tapping Chuck - Fixed



**L300**  
Magnetic Swarf Remover



**S090A**  
Soluble Metal Cutting Fluid - 1 Litre



**S090**  
Soluble Metal Cutting Fluid - 5 Litre



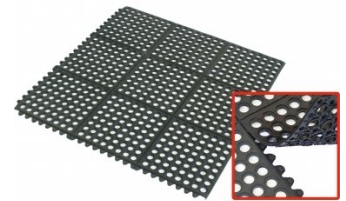
**M9991**  
Magnetic Floor Sweeper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O043**  
Rust & Corrosion Preventive



**O042**  
General Purpose Lubricant & Corrosion Inhibitor



**O044**  
Rust & Corrosion Preventive

