

Product Brochure For D137

## Industrial 4MT Geared Head Drilling Machine - GHD-45A

Ø40mm Drilling Capacity

Includes Automatic Feed & Tapping



ORDER CODE:	D137
MODEL:	GHD-45A
Drilling Capacity (mm):	Ø40
Thread Tapping Capacity (Metric):	M27
Spindle Taper (MT):	4
Spindle Travel (mm):	180
Throat Depth (mm):	360
Quill Diameter (mm):	70
Column Diameter (mm):	160
Spindle To Table (mm):	600
Spindle To Base (mm):	1200
Table (Type):	Rectangle
Table Size (mm):	450 x 578
T-Slot Size (mm):	14
Automatic Quill Feed (mm/rev):	0.07, 0.15, 0.26, 0.40
Work Light (Includes):	Yes
Coolant System (Includes):	Yes
Spindle Speed Steps (No.):	12
Spindle Speed Range (rpm):	42 ~ 2050
Motor Power (kW / hp):	2.8 / 3.75
Voltage / Amperage (V / amp):	415
Full Height (mm):	2330
Nett Weight (kg):	680



### Features

- Ideal for industrial workshop use
- Geared head drilling machine with 4 morse taper spindle
- Automatic feed range (0.07, 0.15, 0.26, 0.40mm/rev)
- Thread tapping with auto reverse
- 12 drilling speeds from 42-2050rpm
- Digital readout depth gauge mounted on front panel (Includes LR44 battery)
- Chuck guard with micro-switch
- Drill ejector incorporated in machine
- Coolant pump system with flexible hose
- Work light mounted in convenient location
- 40mm drill capacity with 180mm of spindle travel
- Oil sight glass for geared head and feed gearbox
- Modern electrics to European CE standards
- Forward and reverse spindle switch with high and low speeds
- Emergency stop switch and overload protection
- Substantial heavy walled column ensuring greater rigidity
- Adjustable accurate depth setting with auto feed cut out for increased productivity
- T slotted work table and base
- Square work table tilts to ±45° and rotates 360°
- Motorised rise & fall work table
- 42rpm low speed for heavy drilling

### Includes

- Coolant pump system
- Auto feed
- Tapping function
- Safety chuck guard
- Work light
- Digital depth gauge
- Motorised work table positioning

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Specific Features

SPINDLE SPEEDS						
SWITCH POSITION	HANDLE POSITION					
	CE	AE	BE	CD	AD	BD
	42	85	170	340	690	1365
	62	125	250	510	1035	2050

12 Drilling Speeds From 42 2050rpm



Gear Selection Levers

The cutting rating chart for reference

φ	S	↓	↑
n r/min	s mm/r	F KN	D mm
1035	0.05	0.8	8
690	0.07	1.2	12
250	0.10	1.6	16
125	0.15	2.0	20
85	0.20	2.4	24
62	0.25	2.8	28
	0.30	3.2	32
	0.35	3.6	36
	0.40	4.0	40

\* --- mild steel  
--- cast iron

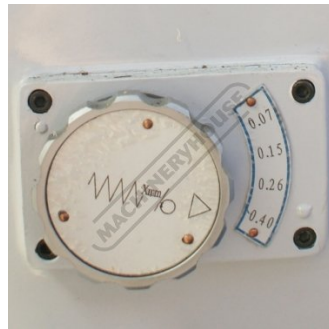
Cutting Chart



Drill Ejector



Head Controls



Automatic Feed Range



Emergency stop Switch and Overload Protection



Front Controls



Chuck Guard with Micro Switch and Coolant Nozzle



Digital Depth Gauge



T Slotted Work Table



Motorised Rise and Fall Work Table



T Slotted Base



Coolant Pump System



Work Light

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**Recommended Accessories**

D1272

Metric 135° Precision HSS Drill Set - 25 Piece



D1282

Imperial 135° Precision HSS Drill Set - 29 Piece



D1285

Metric 135° Precision HSS Drill Set - 51 Piece



D339

4MT Morse Taper Shank Drill Bit



D1171

Metric Industrial HSS Reduced Shank Drill Set



D1181

Imperial Industrial HSS Reduced Shank Drill Set



D117

Metric HSS Reduced Shank Drill Set



C289

Heavy Duty Drill Chuck - Keyed Type



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**C290**

Heavy Duty Drill Chuck - Keyed Type



**C292**

Industrial Drill Chuck - Keyless Type



**C294**

Industrial Drill Chuck - Keyless Type



**D454**

4MT x JT6 Drill Chuck Arbor



**D454A**

4MT x JT3 Drill Chuck Arbor



**D424**

Drill Sleeve - Morse Taper



**C0965**

Clamp Kit 58 piece - Workshop Series



**V141**

Safeway Precision Drill Press Vice



**V142**

Safeway Precision Drill Press Vice



**V143**

Safeway Precision Drill Press Vice



**V138**

Drill Press Vice



**V139**

Drill Press Vice



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**T005B**  
Tapping Chuck - Fixed



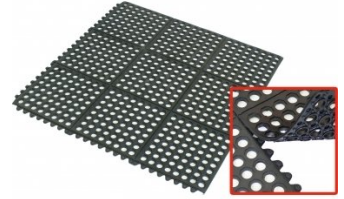
**T005**  
Reversible Tapping Chuck - Adjustable Clutch



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**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



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O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

