



Chester Machine Tools



2017 Catalogue

Chester offer a range of drilling machines from small Hobby bench drills through to Radial Drilling Machines. From the very beginning of the company Chester have always ensured that the machines are built to high standards. All machines are made from cast iron and quality checked throughout production.

To provide you, the user with the optimum machine Chester have a good understanding of machine tools and their environment, which is based upon 20 years of experience in the machine tool industry of distributing and installing machine tools all over the UK and Overseas.

Drilling





FEATURES

- Two Speed Motor
- Auto Tool Release
- 2 Speed Powerfeed
- Suitable for Drilling and Tapping

STANDARD ACCESSORIES

- Drill Chuck and Arbor
- Drill Chuck Guard
- Oil Gun
- Toolbox
- Manual and Parts List

SPECIFICATIONS

Model	PR60E
Max Drilling Diameter (Steel)	40mm
Max Tapping Diameter (Steel)	M20
Max Milling Cutter Diameter	45mm
Throat	350mm
Max Distance Spindle Nose to Table	770mm
Max Distance Spindle Nose to Base	1210mm
Spindle Travel	180mm
Spindle Taper	MT4
Spindle Speed Range	50-1450rpm
Number of Spindle Speeds	18
Nos of Feeds	4
Feed Rates/Range	0.1-0.2mm/r
Max Travel of Worktable	350mm
Table Swivel	±45¼
Table Work Area	560x560mm
Base Work Area	730x500mm
Number of T-Slots Table	3
Size of T-Slots Table	18mm
Number of T-Slots Base	2
Size of T Slots Base	18mm
Diameter of Column	150mm
Power of Spindle Motor	1.5kw(2.01hp)
Power of Elevation Motor	0.25kw(0.34hp)
Coolant Pump Motor	0.75kw(10.05hp)
Coolant Pump Flow	6L/min
Dimensions(LxWxH)	2270x690x1100mm
Net Weight	465Kg



SPECIFICATIONS

Model	GN25	GN25E
Max Drilling Diameter -Steel/ Iron	28/25mm	25/20mm
Max Tapping Diameter -Steel/ Iron	22/18mm	20/16mm
Spindle Taper	MT3	MT3
Worktable Size	380x380mm	350x300mm
Dimensions Of Base	535x360mm	350x280mm
Spindle Travel	130mm	100mm
Spindle Center To Column	250mm	203mm
Spindle Nose To Worktable	825mm	900mm
Distance Spindle Nose To Base	1220mm	1200mm
Column Diameter	98mm	98mm
Spindle Speeds Range	75-3200rpm(12 steps)	127-2380rpm(16speeds)
Motor	1.1kw	1kw
Net Weight	210kg	220kg
Packing Size	2100x400x680mm	535x820x1700mm

STANDARD ACCESSORIES

- Drill Chuck and Arbor
- Spindle Guard, Made of Poly Carbonate, 4mm thick and covering spindle on 3 sides
- Work Lamp 24V Aluminium Type
- Coolant System (GN25 only)
- Reducing Sleeves
- Drill Drifts
- Tool Box
- Manual and Complete Parts List

BD/FD SERIES

Chester Drilling Machine



SPECIFICATIONS

Model	BD25G	FD25G
Drilling Diameter in Iron	35mm	35mm
Drilling Diameter in Steel	25mm	25mm
Main Motor Power	0.75kw(1hp)	0.75kw(1hp)
Spindle Taper	MT3	MT3
Spindle Speeds	100-2900rpm	100-2900rpm
Number of Speeds	8	8
Spindle Quill Travel	140mm	140mm
Head Travel	455mm	240mm
Surface of Table		310x275mm
'T' Slot Size	14mm	14mm
Distance between 'T'Slot Centres	188mm	158mm
Distance Spindle to Table(max)	N/a	600mm
Throat (spindle centre to column)	225mm	225mm
Distance Spindle to Base Plate (max)	470mm	1075mm
BasePlate Size	300x305mm	300x315mm
Overall Dimensions(LxWxH)	580x470x1000mm	640x470x1670mm
Net Weight	170kg	290kg
Power Supply	415v 50Hz	415v 50Hz

FEATURES

- Fully Geared Head with Two Speed Motor for High Torque
- Head Rotates 360° to enable drilling in any position
- Auto Tool Ejector releases tooling quickly
- Cast Iron Column ensures stability in drilling
- Table Tilts 45° of centre allowing angled drilling
- Table Rotates 360°
- Vertical Movement of Head via Worm Gears
- Optional Power Feed Quill

STANDARD ACCESSORIES

- Drill Chuck and Arbor
- Manual and Parts List
- Morse Taper Sleeves
- Foundation Bolts

These drills are superbly finished with precision ground tables and column. All models are supplied with drill chuck guards and No Volt Release safety switchgear. Ideal for the general workshop, each machine is easy to use with simple robust controls capable of withstanding continuous use.

PRO 20/25 SERIES

Chester Drilling Machines



SPECIFICATIONS

Model	PRO20	PRO25
Max Drilling Capacity	25mm	32mm
Max Spindle Stroke	93mm	130mm
Spindle Distance to Column	230mm	230mm
Spindle Taper	MT2	MT3
Number of Spindle Speeds	9	9
Speed Range	160-1820rpm	160-1880rpm
Working Table Size	270x300mm	340x380mm
Base Size	245x245mm	300x325mm
Column Diameter	85mm	102mm
Max Distance Spindle to Table	425mm	700mm
Min Distance Spindle to Table	25mm	110mm
Max Distance Spindle to Base	610mm	1175mm
Min Distance Spindle to Base	510mm	1045mm
Motor	0.75kw(1hp)	1.12kw(1.5hp)
Power	415v	240v or 415v
Weight	108kg	190kg
Dimensions(hxwxwd)	1050x680x360mm	1680x435x840mm

STANDARD ACCESSORIES

- Drill Chuck and Arbor
- Drill Chuck Guard
- Coolant System (PRO25 only)
- Manual and Parts List
- Foot Switch (PRO25 only)

Chester PRO Series Drilling machines have been designed with a thick walled column and head for stability and reliability. Each machine is fitted with a Foot Safety Switch(PRO25 only), Interlocked Belt Guard and Interlocked Spindle Guard.

FEATURES

- Fully Integrated Coolant System (PRO25 only)
- Safety Foot Switch (PRO25 only)
- Large Column Diameter Providing Excellent Stability
- Quill Depth Stop for Accurate Repeat Work
- Smooth Running Aluminium Pulleys

PRO-VS SERIES

Chester Drilling Machines

PRO17 -25VS

PRO18 -25VS



Cast Aluminium Quill Depth Bracket



Variable Speed Change Lever



PRO25-17VS Belt Drive System



PRO25-18VS Belt Drive System



Variable Speed Change Lever

Foot Switch

STANDARD ACCESSORIES

- Keyless Drill Chuck and Arbor
- Chuck Guard
- N.V.R. Switchgear
- Manual and Parts List

FEATURES

- Variable Speed
- Built in Lamp
- Heavy Duty Cast Iron Construction
- Simple To Operate

SPECIFICATION

Model	PRO17 -25VS	PRO18 -25VS
Drilling Capacity	25mm	25mm
Spindle Taper	MT3	MT3
Diameter of Quill	50mm	70mm
Chuck Capacity	16mm	16mm
Quill Travel	80mm	120mm
Max: Distance Spindle to Table	780mm	745mm
Distance Spindle to Column	222mm	225mm
Size of Table	345X345mm	405x320mm
Size of Base	520x320mm	550x370mm
Column Diameter	80mm	95mm
Motor	1.1kw(1.47hp)	1.5kw(2hp)
Power Supply	240 /415volt	415volt
Overall Dimensions (WxDxH)	800x450x1700mm	900x500x1800mm
Net Weight	100kg	350kg
Range of Speeds	280-2500rpm	85-1900rpm
Stock Code	DRI-PRO25-17VS	DRI-PRO25-18VS

OPTIONAL ACCESSORIES





STANDARD ACCESSORIES

- Drill Chuck
- Drill Chuck Guard
- Manual & Parts List



D13 & D13R Belt Drive System D32 Belt Drive System

SPECIFICATION

Drill	D13	D13R	D16	D19	D20	D32
Throat	104mm	125mm	165mm	178mm	178mm	254mm
Drilling Capacity	13mm	13mm	16mm	20mm	20mm	32mm
Chuck Size	1-13mm	1-13mm	3-16mm	3-16mm	3-16mm	3-16mm
Spindle Travel	50mm	60mm	80mm	80mm	80mm	115mm
Spindle Distance to Base	350mm	535mm	620mm	600mm	1250mm	1250mm
Spindle Distance to Table	210mm	415mm	450mm	410mm	800mm	650mm
Table Size (mm)	165x160mm	190x195mm	300 mm dia	290 x 290mm	285x285mm	420x470mm
Spindle Taper	B16	MT2	MT2	MT2	MT2	MT4
Column Diameter	48mm	60mm	70mm	80mm	70mm	90mm
Number of Spindle Speeds	5	5	12	12	12	12
Range of Spindle Speeds (rpm)	600-2500rpm	460-2890rpm	210-2580rpm	120-2580rpm	120-2580rpm	150-2700rpm
Overall Height	585mm	80mm	990mm	1000mm	1630mm	1710mm
Base Size (mm)	280x175mm	200x330mm	230x400mm	430 x 270mm	460x275	450x570mm
Voltage	240v	240v	240v	240v	240v	240/415v
Motor	0.25kw(0.34hp)	0.37kw(0.50hp)	0.55kw(0.74hp)	0.65kw(0.87hp)	0.65kw(0.87hp)	1.5kw(2.01hp)
Net Weight	17kg	29kg	42kg	86kg	70kg	148kg
Stock Code	DRI-D13	DRI-D13R	DRI-D16	DRI-D19	DRI-D20	DRI-D32

OPTIONAL ACCESSORIES



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Drilling Machines

