

Chester Machine Tools

catalogue 2009



The success and growth of Chester UK has been built upon customer satisfaction. Since the company first started Michael O'Hare has promoted the philosophy of quality customer service within the company.

Chester products are distributed throughout the world by dealers, distributors and local agents who provide the customer with excellent support.

The company's product range is sold under the brand names of Chester, Chester Manufacturing, Brierley and SMS. Chester draw their expertise in machine tools from both being a manufacturer and supplier. Chesters manufacturing plant uses the latest CAD design software and CNC production machines to ensure and maintain accuracy and build quality.

Chester Showroom

At Chester we have a showroom which is open to everyone from Monday to Friday. Here one of Chester experienced sales engineers can show you a wide range of machines on display and discuss all your machine tool requirements.



New Midlands Showroom



Chester UK Ltd, Unit 4 Plant Lane, Burntwood, Cannock, Staffordshire, Midlands. WS7 3JQ.



Internationally Renowned For Unsurpassed Dedication, Reliability and Superior Quality

Servicing The Industry Worldwide

Education

For a number of years Chester have been supplying Schools, Colleges, Universities, Industry and Government Training Establishments both here in the UK and overseas. The Education advisory staff at Chester can liaise with the instructors to put forward a proposal to fulfil the varied requirements of teaching personnel.

Spare Parts

Supply of spare parts is an important part of the company and at Chester we carry a wide range of spares for all of our machines. Each machine is supplied with a full instruction manual and parts listing.

Machine Accessories

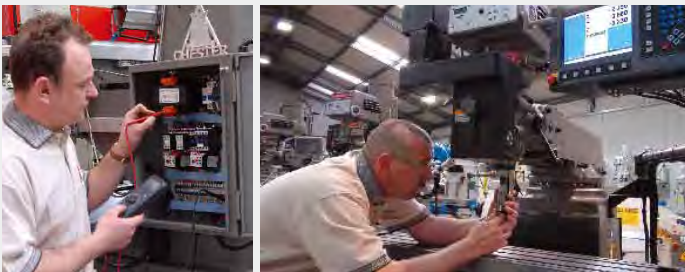
Chester understands the importance of the customers needs to not only purchase the machine tool, but also the accessories required to fully maximise the machines potential. Taking this into account Chester offer a full and comprehensive range of tooling for all their machines.

Export

Chester is not only one of the leading suppliers of machine tools in the UK, but also has a growing export division. Built on quality, service and competitively priced products the Chester brand is emerging as one of the worlds leading suppliers of machine tools and accessories.

Machine Preparation

All machines are pre-delivery inspected by Chester qualified engineers. Installation and commissioning packages can be offered at an optional cost.



- All Guarding on machines have been removed for clarity
- Full installation service is available for all machines
- All products are CE marked

c o n t e n t s



Brierley Machines 3-20



Lathes 21-53



Milling Machines 54-87



Boring Machines 88-91



Shaping Machines 92



Drilling Machines 93-103



Sawing Machines 104-116



Fabrication Equipment 117-130



Workshop Equipment 131-138



Toolholding 139-149



Workholding 150-162



Metrology 163-170



Cutting Tools 171-180



Hand Tools 181



Electrical 182,183



Machine Accessories 184-189



Literature 190,191



Woodworking 192-210

BRIERLEY GRINDERS

Versatile & precise....

Brierley are recognised throughout the world as the leader in drill grinding machines.

The machines embody principles that the company first developed 30 years ago, and which are to this day still accepted as the standard. Others have tried to imitate over the years but none have succeeded.

Brierley machines still reign supreme, not only in the UK but in every major industrial country. To date ten's of thousands of Brierley drill grinders have been sold, the majority into engineering industries, but also to companies engaged in working plastics and other non-metallic materials.

Brierley have always maintained a programme of proactive development. Designs have been kept abreast of user requirements and the range of machines has been gradually increased. Recently Surface Grinders, Tool and Cutter Grinders and Bench Grinders have been added to the range.

Drilling has itself progressed to levels of high sophistication and technological status. The 'basic' geometry of the original drill points has been supplemented by other types of points, each intended for performing specific duties with the utmost efficiency. Some individual companies have developed special forms of drill points for their own particular requirements.

The Brierley range of Drill Grinders offer different capacities and capabilities, but without exception they all possess this unique versatility. "Perfect drill points of any type, each produced complete at one setting".

This, combined with simplicity of setting and operation, superb design and quality of manufacture, are the hall-marks of Brierley machines. And all backed up by a user support organization providing services ranging from technical advice to spares and maintenance, to ensure that every user obtains maximum efficiency from whichever model he has chosen. Producing perfect, profit-making drill points every time.

Surface Grinding is a precise engineering skill that requires the highest quality of machines to produce constantly accurate work. Brierley surface grinders are designed to meet these criteria with all machines manufactured from aged high grade castings. All surfaces are hand scrapped to provide a superior working finish that will give the customer longevity in quality of work.





ZB32 CUTTER GRINDER

The ZB-32A offers an easy way to achieve drill point accuracy.
The one machine which grinds conventional and many specialized drill points.
Set up in a few seconds.

All specifications, dimensions and design characteristics are subject to change without notice.

FEATURES

- Optional Air bearing has a hard chromed spindle for long life, standard 5C collets.
- The tooth rest finger is easily adjustable by turning a knurled knob on either end of the tooth rest bracket.
- “Clearance angle collar” marks angular setting easy-swivels universally for radial relief sharpening.
- Optional Air bearing fixture is precision honed and capable of grinding to tight tolerances.
- Tools sharpened on an air bearing fixture cut smoother, the spindle floats on friction “fingersensitive” control for sharpening end mills as small as 2mm, sharpens all over-periphery, end teeth, notches, flute faces.
- Air bearing fixture is easily mounted to ZB-32A grinder.
- Cutting tool capacity-Ø42mm shank, 250mm flute length.

MODEL	ZB-32A
Drill Size	Ø1.5~Ø32mm
(Straight or Taper Shank)	
Point Angle	40°~180°
Clearance Angle	0°~18°
Workhead Tilting Angle	0°~20°
Brake Motor	½ hp
Grinding Wheels	Ø180x20xØ31.75mm
Dish Wheels	Ø165x21xØ31.75mm
Net Weight	120kgs
Dimensions	820x790x740mm



GRIND EXAMPLES



- Straight Flute And Spiral Flute Taps Can Be Chamfer Ground (3_iB4_iB5_iB6_iB7 And 8 Flute)



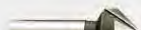
- Step Drill, Made From Ordinary Twist Drill, With Radially Reliably Relieved Pilot



- Point Grinding And Web Thinning With One Time Set Up



- Multi-step Spade Drill, Made From Ground Stock, With Pre-machined Faces And Steps, All Diameters With Lands And Relief Ground



- Counter Sink And Counter Bore Drills (1,3 Flute)



- Core Drills And Reamers Can Be Chamfer Ground



- Split Point Self-centering And Breaks Up Chips For Deep Hole Drilling



- End Mill End Relief 2_iB3_iB4 and 6 Flutes End Mill With Primary And Secondary Relief And Gash Grinding



- 2_iB3_iB4 Flute Counter Bore Drills



- Four-facet Point

STANDARD ACCESSORIES

- 6 Jaw Self-Centering Chuck
- Grinding Wheel (recessed one side)
- “Dish” Grinding Wheel for Point Thinning
- Grinding Wheel Flange and Balancing Weights
- Two Grinding Wheel Diamond Dressers (one side dresser and one straight)
- No 1,2,3,4 Morse Taper Sleeve
- Cam No.4 for Point Angle (40° -180°)
- Cam No.6 for Step Drill
- Cam No.8 for 4 Flute Taps or Reamers Core Drill
- A.C. Brake Motor for Safety & Fast Drills Interchange
- Service/Instruction Manual
- Work Light
- Stand

OPTIONAL



The radial relief attachment is especially designed for quick and accurate grinding of body reliefs of end mills as well as cutters and drills.

OPTIONAL ACCESSORIES

- Flood Coolant System. (Increases wheel life and prevents burning of drill.)
- Diamond Wheels for Carbide Drills.
- C.B.N. Wheels (one side chamfer) for Point Grinding & Point Splitting.
- Wheel Balancer & Arbor
- Cam for Sheet Metal Point Drills
- Extra Grinding Wheel Flange for Cup Wheel.
- Cup Grinding Wheel
- Cam for Left Hand Drills
- Cam for Sheet Metal Point Drills
- Radial Relief Attachment



ZB50/80 CUTTER GRINDER

Affordable, accurate & versatile

Simple to operate. Unskilled operators can quickly learn to produce perfect drill points. Set up and grinding is fast and the web can be thinned in a few seconds.

Accurate. Rugged construction and precision components ensure accuracy and repeatability over many years. Heavy duty compound slides and one-piece cast iron base increase rigidity and minimise vibration. The workhead incorporates precision needle roller and thrust bearings, while the main chuck spindle utilises a rotalin bearing giving less than 0.005 mm deflection. The six-jaw chuck accurately centres the drill to ensure each cutting lip is equally ground for both length and angle to develop a precision point.

Versatile. A wide range of points can be ground: Right-hand and left-hand drills with point angles between 40° and 180°, standard, centre drills, carbide drills, step and subland drills, taps and reamers. Also a number of NC self-centre points can be ground, including split, four-facet and spiral. Cutting lips can also be corrected.

SPECIFICATION

MODEL	ZB-50N (DUAL CAM)	ZB80
Drill Size	(Ø2.5mm-Ø51mm) straight or taper shank (1,2,3,4,5,6 flute)	Ø4mm-Ø80mm(1,2,3,4,5,6 flute)
Point Angles	40°-180°	40°-180°
Clearance angle	0°-18°	0°-18°
Motor	½ hp single or 3 phase totally enclosed fan cooled	1 ½ hp
Grinding Wheels	Main wheel 7" x 1 ¼" x 1 ¼" (180mm x 32mm x 31.75mm)	Main wheel(180mm x 50mm x 31.75mm)
	Point thinning dish wheel 6 5/8"x7/8"x1 1/4"	Point thinning dish wheel (165mm x 21mm x 31.75mm)
Grinding the End of End Mills	2,3,4,6,12 flute	2,3,4,6,12 flute
Net Weight	300 kgs	380 kgs
Dimensions	970mm x 910mm x 1600mm	1090mm x 1120mm x 1650mm



Core drills, or taps and reamers etc, of 2,3,4 and 6 flutes can be taper point-ground.

Radial relief attachment. (options)

With this device, a flank can be formed over the cylindrical margin of the smaller diameter section of standard twist drill. Also for sharpening end mills.



Grinding Counter-Sink drills (1,3,5 flute)

Grinding Conventional point drill



The shoulder of a stepped drills may be ground

On these machines; Grinding the end of end mills, cutters is Standard Equipment



Grinding The smaller-diameter section, of step drills

STANDARD ACCESSORIES

- 6 Jaw Self-Centering Chuck.
- Grinding Wheel (recessed one side)
- "Dish" Grinding Wheel for Point Thinning.
- Grinding Wheel Flange and Balancing Weight.
- Two Grinding Wheel Diamond Dressers (one angle dresser and one straight).
- No. 1,2,3,4 Morse Taper Sleeve for ZB-50N
- No. 2,3,4,5,6 M.T Sleeve for ZB-80N
- Cam No.4 for Point Angle (40°-180°)
- Cam No.6 for Step Drill
- Cam No.8 for 4 Flute Taps or Reamers
- A.C. Motor.
- Tools for General use.
- Service/Instruction Manual.
- Work Light (12 Volts)

OPTIONAL ACCESSORIES

- Flood Coolant System. (Increases wheel life and prevents burning of drill)
- Silicon Carbide and Diamond Wheels for Carbide Drills.
- Radial Relief Attachment. Relieves Radius of Pilot to Produce Lands. Also for Sharpening End Mills
- Wheel Balancer & Arbor
- Auto Feed Mechanism (pre-setting feeding quantity)
- Powered Workhead for Automatic Rotation & Cam Action (R.P.M 0-58 stepless)
 - Cam for Sheet metal Point Drills
 - Cam for 1 Flute Grinding
 - Cam for 3 Flute Grinding
 - Cam for 5 Flute Grinding
 - Cam for 6 Flute Grinding
- Extra Grinding Wheel Flange for Cup Wheel
- Cup Grinding Wheel
- Cam for Left Hand Drills
- Cam for Spiral Point Drills

SELF-CENTERING POINT Extends drill life improves hole quality reduces thrust



ZB160 CUTTER GRINDER



FEATURES

The Universal Tool & Cutter Grinder Model ZB-160U is versatile in operation without requiring special skills. All milling cutters, endmills, shell endmills, staggered tooth cutters, rough endmills, step drills and taps can be ground. The Model ZB-160U is designed to fabricate and sharpen HSS and carbide tools in small and medium quantities.

In one chucking operation, the machine can perform the grinding of the rake angle of the flute, clearance angle on the periphery and the end of the tool. A few seconds set up time for helix angle.

Due to the backlash free operation, spiral toothed, solid carbide or carbide tipped milling cutters can be ground with high accuracy thus far only achieved by CNC grinders.

The heavy duty compound slides and one piece cast-iron base provide extra rigidity and minimize vibration.



When grinding with the support finger, the control roller is lifted and the work spindle is free in both axial and radial directions.



Scale for radial relief



Rotary grinding head built into the machine base. Minimal travel required for the grinding process. Pivot point directly over the centre of rotary table. The grinding head can be easily set up for grinding the flutes, periphery, front rakes, cutting angles and relief angles.



SPECIFICATION

Tool Diameter	Ø2-Ø200mm
Spiral Length with Workhead Spindle	160mm
Longitudinal Travel of Workhead	280mm
Cross Travel of Workhead	130mm
Rapid Cross move with Hand Lever	18mm
Vertical Movement of Wheel Head	230mm
Tilting Angle of Wheel Head	±0°30'
Workhead Spindle	ISO40
Spiral Flute & Axial Relief Grinding	
Infinitely Variable, Left & Right Hand	
Helix Angle	0°~90°
Grinding Wheel Diameter	Max. 150mm Grinding wheel Bore 31.75mm
Grinding Motor	0.75Kw
Grinding Wheel Direction	Clockwise or anti-clockwise
Grinding Spindle Speeds	6300, 3800, 2600 R.P.M.
Net Weight	540 kgs
Dimensions	1480mm x 1120mm x 1640mm



Taper grinding arrange



Grinding the flute rake angle



Rapid cross movement with hand lever.



Grinding the clearance angles on the face

STANDARD EQUIPMENT

- Taper Grinding Attachment
- One Grinding Wheel Hub
- One Indexing Plate 24 Divisions
- One Finger Support
- One Set of Operating Tools
- One Operating Instruction Manual



Fast and easy spiral set up variable from 0°~90° left or right hand



METEOR DRILL GRINDERS



13 X



26X

FEATURES

Easy to operate, Unskilled workers can learn to sharpen the drills quickly.
 Economical price, grinding fast and high accuracy.
 Diamond grinding wheel. Low maintenance, good grinding result.
 Motor is electronic and powerful, frequency stably, extra motor life.

SPECIFICATIONS

13X

Drill Size	Dia.3 ~ Dia.13mm
Point Angle	118° ~ 135°
Power Supply	Single phase 110v AC 220v
Motor	¼ hp 180w
R.P.M. of motor	5,300rpm
Diamond Grinding Wheel	CBN#200
Weight	N/W:9.5kgs, G/W: 10kgs
Packing dimensions	L x W x H: 31 x 17 x 19cm

STANDARD ACCESSORIES

Collet: Dia.3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm Collet holder set Hexagon wrench 4mm

26X

Drill Size	12 ~ 26mm
Point Angle	100° ~ 135°
Power Supply	Single phase 220v
Motor	¼ hp 180w
R.P.M. of Motor	5300rpm
Diamond Grinding Wheel	CBN #200
Weight	N/W: 23kgs, G/W: 24kgs
Packing Dimensions	L 46 x W 24 x H 22cm

STANDARD ACCESSORIES

Collet: 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26
Collet holder set / Hexagon wrench 4mm

FEATURES

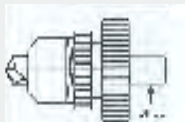
Easy to operate, Unskilled workers can learn to sharpen the drills quickly.
 Economical price, grinding fast and high accuracy.
 Diamond grinding wheel. Low maintenance, good grinding result.
 Motor is electronic and powerful, frequency stably, extra motor life.

DRILL GRINDING PROCEDURE

A. HOW TO HOLD A DRILL BIT IN COLLET AND HOLDER



Collet must be assembled into the clamping nut at a 45° angle.



Holder Unit



1. Insert the drill into the collet
2. Put the clamping nut into the clamping holder

B. HOW TO SET THE HOLDER UNIT AT THE CHECKING STOCK



1. Find the drill diameter
2. Set the indicator of scale number is same as drill diameter.
3. Put the holder unit into the checking stock. The slot of clamping unit will match into the pin of checking stock.
4. Turn holder unit to right.
5. Push the drill to touch the checking stock and turn the drill to right. Then tighten the clamping nut to the drill.

NOTE: Make sure that the web blade of drill is parallel with the slot of clamping holder.

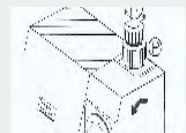
6. After having taken out the holder unit

C. HOW TO GRIND THE WEB OF DRILL



1. Turn on the power
2. Put the holder unit into the (W) grinder stock. The slot match with the pin and let the drill reach the diamond wheel carefully.
3. Grind the drill by moving left and right to sharpen until the grinding noise disappears.
4. Take the holder unit to the other side to grind the other side web, blade. Grind the drill as in No.3.

D. HOW TO GRIND THE CENTER POINT OF DRILL



1. Turn on the power.
2. Put the holder unit into the (P) grinder stock and match the slot with the pin.
3. Move the left and right way to sharpen.
4. Turn 180° of holder unit to grinding the other sides with the same way.

NOTE: under Ø3 drill not need to grind the center point.

E. HOW TO CHANGE THE DIAMOND WHEEL

1. Take out the diamond wheel cover.
2. Turn out the screw on the centre of diamond wheel



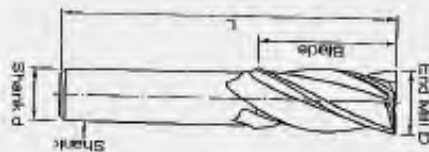
NEPTUNE END MILL GRINDER



STANDARD ACCESSORIES OPTIONAL ACCESSORIES

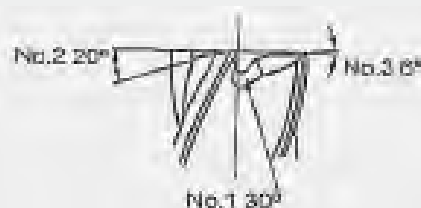
- Diamond grinding wheel:
SDC 300 for 4-6mm
SDC 300 for 8-13mm
- Holder unit
square type for 2 & 4 flute end mills
Hex type for 3 flute end mills
- ER collets
4,5,6,7,8,9,10,11,12,13mm
- Wrench

- Diamond grinding wheel:
CBN 300 for 4-6mm
CBN 300 for 8-13mm



SPECIFICATION

Capacity	4-6mm
Motor power	450W
Wheel speed	6000rpm
Power supply	240V single phase
Slot angle	30 degrees
Radial angle	20 degrees
Grinding angles	30 degrees, 20 degrees, 6 degrees
Weigh	17Kg
Packing size	320x260x300mm





CUTTERMASTER TOOL & CUTTER GRINDER

This machine can grind:-
drills, end mills, slot drills, ball end mills, turning tools, side surface cutters, taps, reamers, and lathe tool inserts.

SPECIFICATION

Model	TC2
Air Bearing Stroke	250mm
Swing over Table	245mm
Cutting Tool Capacity	50mm Shank, 225mm O.D. 250mm Length
Table Feed Graduations	0.02mm
'T' Slot Size	12mm
Swivel Adjustment of Table	15°
Longitudinal Travel	150mm
Cross Travel- Wheel Table	75mm
Max Motor Assembly Travel across Table	150mm
Maximum Wheel Size	125 x 50 x 31.75mm (cup)
Tilt Adjustment of Wheelhead	+30° -5°
Speed of Wheel	3450rpm
Motor	1/3hp
Weight	106kgs
Dimensions(LxWxH)	535 x 500 x 535mm



STANDARD ACCESSORIES

- Stand
- 4,6,10,12,16mm 5C Collets
- Toolbit Grinding Attachment
- MT3 Centre
- Tooth Rest
- Adjusting Tools
- Cup Grinding Wheel
- Manual and Parts List
- Halogen Lamp

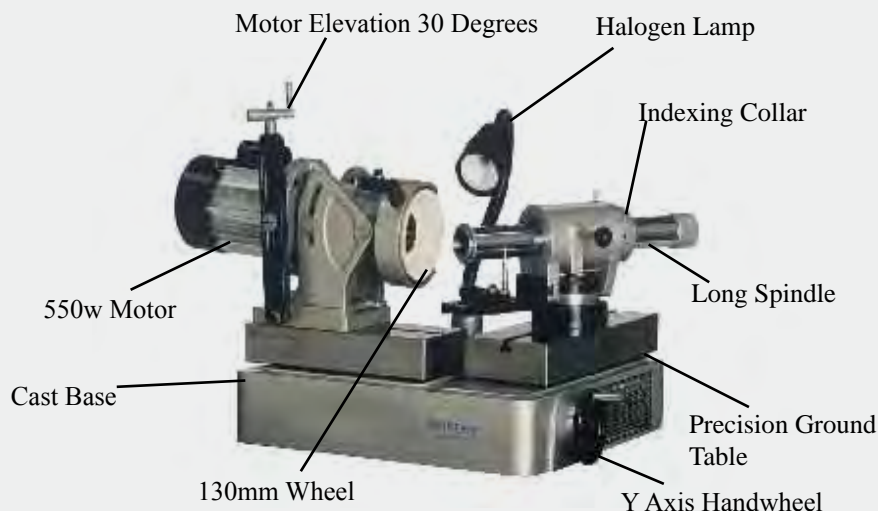
OPTIONAL ACCESSORIES

- Diamond Wheel 100mm
- Drill Grinding Attachment
- Diamond Dresser
- 5c Collet Attachment
- 5c Collets
- Grinding Wheel 150mm
- Saw Blade Grinding Attachment
- Radius Attachment

FEATURES

- Precision Ground Cast Iron Tables
- Air Bearing Spindle rotates 360°
- Spindle accepts Standard 5C Collets
- Built in Halogen Lamp
- Tapered Grinding
- Zero Setting Dials
- Forwards Reverse Switchgear

A superbly engineered Tool and Cutter Grinder, the Cuttermaster is able to grind drills, end mills, slot drills, ball end mills, turning tools, side surface cutters, taps, reamers and lathe tool inserts. To provide the accuracy expected of a machine of this type the spindle has an air bearing fitted as standard. Its motor assembly has the facility to tilt giving positive and negative cutting angles. Grinding the side and face of end mills can be performed in one operation without removing the cutter saving operator setup time, and the machine is supplied with a clearance chart for end mill cutters from 3/16" - 3". The base of machine is made from precision ground cast iron providing a rigid structure from which the grinding can function correctly and turn out repeated high quality work.



UNI-TOOL GRINDER

FEATURES

Designed for Grinding:- milling cutters, tool bits, drills, end mills, taps, slot drills, side & face cutters and circular saw blades



SPECIFICATION

Distance Between Centres	405mm
Swing Over Table	215mm
Swivel Adjustment Table	15°
Longitudinal Travel	450mm
Cross Travel	150mm
Vertical Adjustment	150mm
Swivel Adjustment of Wheel	360°
Swivel Adjustment of Headstock	360°
Tilt of Headstock (above/below)	30°
Diameter of Wheel	130mm
Speed of Wheel	3000rpm
Motor	3000rpm
Weight	220Kgs
Dimensions (LxWxH)	864x765x1295mm

OPTIONAL ACCESSORIES STANDARD ACCESSORIES

- | | |
|--|---|
| <ul style="list-style-type: none"> • Diamond Wheel 100mm • Drill Grind att (3-18mm) • 5c Collet Fixture • 5c Collet • Diamond Dresser • Disc Wheel 150mm • Drill & Tap Grinding Fixture • Radius Attachment • Work Light • Plain Tooth Rest • Universal Tooth Rest • Sensitive Work Rest • 4" 3-Jaw Chuck • Indexing Discs | <ul style="list-style-type: none"> • Cup Wheel, • Tool Bit Grinding Attachement • Coolant • 3MT Centre • Cutter Arbor • Face Mill Holder • Tooth Rest • Adjusting Tool • Instruction Manual & Parts List |
|--|---|



Universal Grinding Attachment 3-32mm



Radius Attachment



Saw Blade Grinding Attachment



Tool & Work Holder



Air Bearing Fixture



Drill & Tap Grinding Fixture



Tailstocks

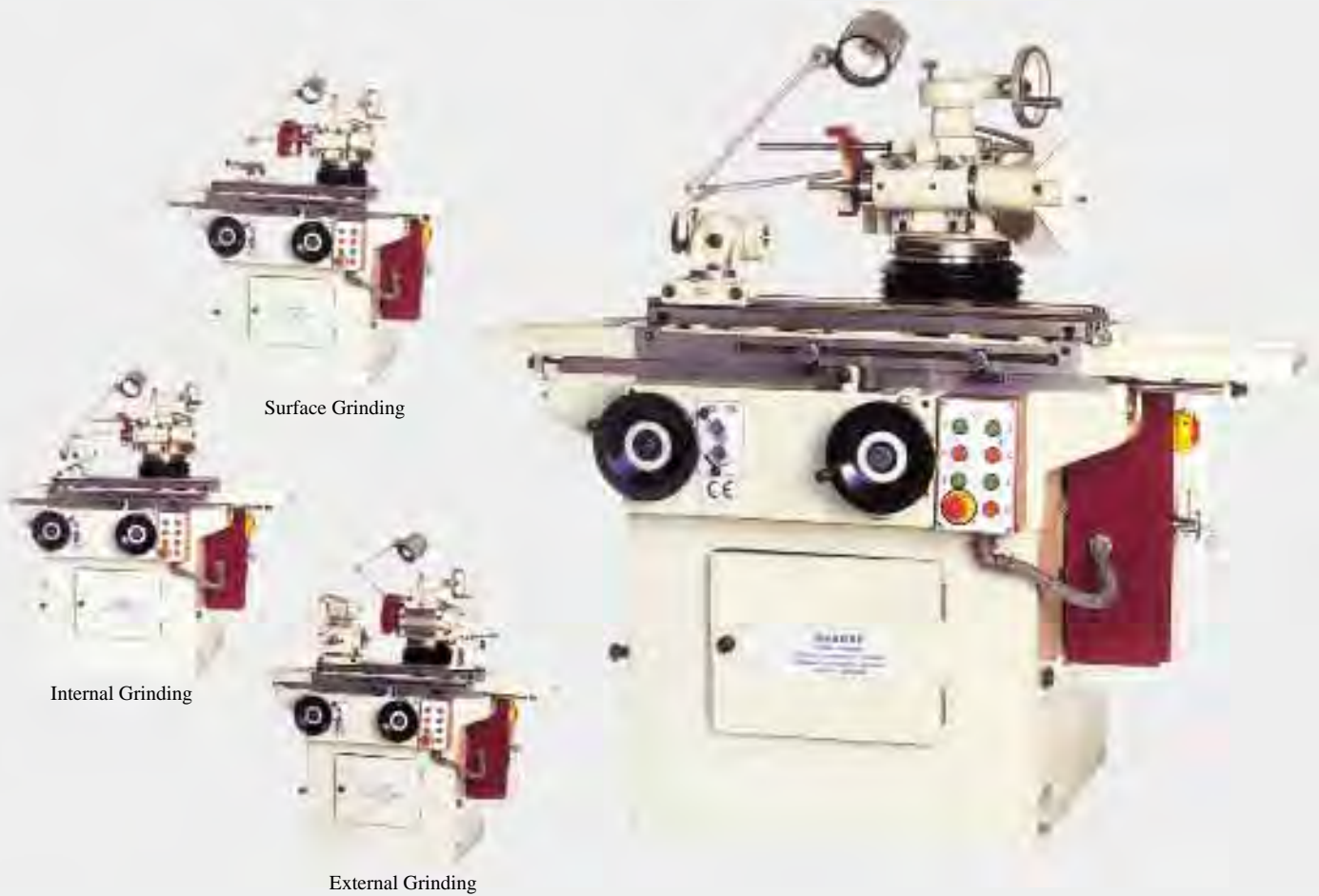


Universal Tooth Attachment



Sensitive Head ISO50 with 24 Index

UNIVERSAL GRINDERS



SPECIFICATIONS

MODEL	CG200	CG250
Max: Swing over Table	200mm	250mm
Max: Workpiece Length	500mm	500mm
External grinding Sizes	5.50mm dia x 400	5.50mm dia x 400
Internal Grinding Sizes	10.50x75mm	10.50x75mm
Surface Grinding	125 x 300mm	125 x 300mm
Max: Weight of Work	10kgs	10 kgs
Workhead Spindle Speeds	110,200,300rpm	60,90,120,175,235,345rpm
Workhead Swivel	±90°	±90°
Max: Travel of Wheelhead	200mm	250mm
Wheelhead Feed Vertical/ Cross	0.01/0.005mm	0.01/0.005mm
Wheelhead Speed	2500rpm	2500rpm
Wheel Swivel	±90°	±90°
Internal Spindle Speed	13500rpm	13500rpm
Size of Grinding Wheel - Ext	200x20x75mm	250x20x75mm
Size of Grinding Wheel – Int	10x10x3mm	10x10x3mm
Longitudinal Travel(Manual)	500mm	500mm
Longitudinal Travel(Hydraulic)	400mm	400mm
Table Traverse Speed	7m/min	7m/min
Table Swivel	+45/-30°	+45/-30°
Total Motor Rating	2.9kw	2.9kw
Dimensions(LxWxH)	1526 x 1133 x 1173mm	1526 x 1133 x 1173mm
Weight	1285kgs	1285kgs

FEATURES

- Hydraulic Feed
- Tool Sharpening
- Internal Grinding
- External Grinding
- Surface Grinding
- Heavy Duty Construction

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- External Grinding Wheels
- Internal Grinding Wheelhead
- Spindle Extension
- Universal Vice
- 3-Jaw Chuck
- Centre
- Half Centre
- Left & Right Tailstock
- 5 Drive Dogs
- Wheel Dresser
- Wheel Balancer
- Wheel Balancing Stand
- Wheel Guards
- Auto Central Lube
- Manual and Parts List

OPTIONAL ACCESSORIES

- Dust Collection System
- Digital Readout on Table
- Universal Wheel Dresser
- Drill Grinding Attachment
- Magnetic Chuck
- Dust Extractor
- Parallel Arbors
16,22,27,32,40mm
- Taper Arbors
16,22,27,32,40mm

KGS 150 SURFACE GRINDER



FEATURES

- One Shot Lubrication
- Ball Bearing Slides
- Heavy Duty Cast Construction
- Superior Quality Motor
- Surface Roughness Ra0.2um

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- Grinding Wheel
- Wheel Guard
- Splash Guard
- Manual and Parts list
- Permanent Magnetic Chuck

OPTIONAL ACCESSORIES

- Digital Readout
- Dust Suction Coolant System
- Magnetic Paper Filter

SPECIFICATIONS

Model	KGS150	KGS200
Working Surface of Table	150 x 450mm	160 x 460mm
Max: Table Travel	483mm	495mm
Max Cross Travel	178mm	220mm
Distance between Table & Spindle Centre	361mm	530mm
Max Table Load	100kgs	123kgs
Nos of 'T' Slots	1	1
Size of 'T' Slots	14mm	14mm
Crossfeed Handwheel – 1 grad	0.01mm	0.02mm
Crossfeed Handwheel – 1 rev	2.5mm	5mm
Grinding Wheel	180 x 13 x 31.75mm	200 x 25 x 31.75mm
Spindle Speed 50Hz	2850rpm	2850rpm
Spindle Speed 60Hz	3420rpm	3420rpm
Vertical handwheel – 1 grad	0.005mm	0.01mm
Vertical Handwheel – 1 rev	1.25mm	2mm
Spindle Motor	1.1Kw	1.5kw
Dust Collection Motor	0.55Kw	0.55Kw
Coolant Motor	90w	90w
Floor Space	1900 x 1300mm	1900 x 1900mm
Overall Dimensions	1140 x 1060 x 1900mm	1120 x 1480 x 2090mm
Net Weight	560kgs	1100kgs



KGS 818 H/AH/AHD SURFACE GRINDER



BRIERLEY



SPECIFICATIONS

Model	KGS818	KGS818 A	KGS818 AH	KGS818 AHD
Working Surface of Table	200 x 460mm	200 x 460mm	200 x 460mm	200 x 460mm
Max: Grinding Dimension	200 x 480mm	200 x 480mm	200 x 480mm	200 x 480mm
Max: Table Travel	510mm	510mm	510mm	510mm
Max Cross Travel	225mm	225mm	225mm	225mm
Distance between Table & Spindle Centre	530mm	530mm	530mm	530mm
Max Table Load	150kgs	150kgs	150kgs	150kgs
Table Speed	N/A	5-25m/min	5-25m/min	5-25m/min
Nos of 'T' Slots	1	1	1	1
Size of 'T' Slots	14mm	14mm	14mm	14mm
Crossfeed Handwheel – 1 grad	0.02mm	0.02mm	0.02mm	0.02mm
Crossfeed Handwheel – 1 rev	5mm	5mm	5mm	5mm
Automatic Crossfeed of Saddle	n/a	n/a	0-8.5mm	0-8.5mm
Grinding Wheel	200 x 25 x 31.75mm	200 x 25 x 31.75mm	200 x 25 x 31.75mm	200 x 25 x 31.75mm
Spindle Speed 50Hz	2850rpm	2850rpm	2850rpm	2850rpm
Spindle Speed 60Hz	3420rpm	3420rpm	3420rpm	3420rpm
Vertical handwheel – 1 grad	0.01	0.01	0.01	0.01
Vertical Handwheel – 1 rev	2mm	2mm	2mm	2mm
Power Head increment	n/a	n/a	n/a	0.002-0.02mm
Spindle Motor	1.5kw	1.5kw	1.5kw	1.5kw
Vertical Motor	n/a	n/a	n/a	1.5kw
Hydraulic Motor	n/a	1.5kw	1.5kw	1.5kw
Dust Collection Motor	550w	550w	550w	550w
Coolant Motor	90w	90w	90w	90w
CrossFeed Motor	n/a	n/a	60w	60w
Floor Space	2500 x 1900mm	2500 x 1900mm	2500 x 1900mm	2500 x 1900mm
Overall Dimensions	2000 x 1480 x 2090mm	2000 x 1480 x 2090mm	2000 x 1480 x 2090mm	2000 x 1480 x 2090mm
Net Weight	1200kgs	1231kgs	1280kgs	1320kgs

A=AUTOMATIC H=HYDRAULIC R=RAPID D=DOWNFEED

FEATURES

- Heavy Duty Casting
- Direct Drive Spindle
- Auto Lube
- High Capacity Table Load
- Easy to Operate

STANDARD ACCESSORIES

- Splash Guard
- Wheel Guard
- Electro Magnetic Chuck
- De- Magnetiser
- Coolant System
- Halogen Lamp
- Manual and Parts List

OPTIONAL ACCESSORIES

- Dust Suction System
- Paper Filter System
- Magnetic Filter System
- Overhead Wheel Dresser
- Radius Angle Dresser
- Wheel Balance Arbor
- Wheel Balance Base
- Digital Readout

KGS 1020 AHD SURFACE GRINDER



FEATURES

- Heavy Duty Casting
- Direct Drive Spindle
- Auto Lube
- High Capacity Table Load
- Easy to Operate

STANDARD ACCESSORIES

- Splash Guard
- Wheel Guard
- Electro Magnetic Chuck
- De- Magnetiser
- Coolant System
- Halogen Lamp
- Manual and Parts List

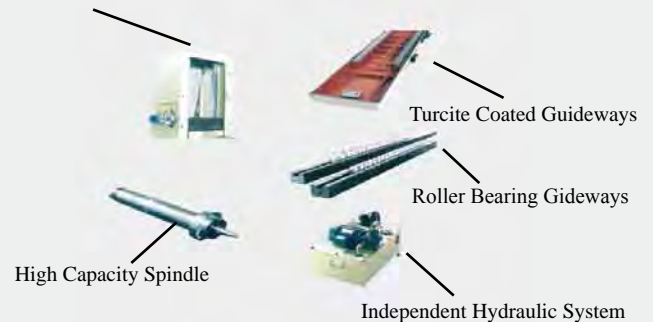
SPECIFICATIONS

Model	KGS1020	KGS1020AH/AHD
Working Surface of Table	250 x 510mm	250 x 510mm
Max. Table Travel	620mm	575mm
Max Cross Travel	280mm	280mm
Distance between Table & Spindle Centre	535mm	530mm
Max Table Load	123kgs	300kgs
Table Speed	Manual	5-25m/min
Nos of 'T' Slots	1	1
Size of 'T' Slots	14mm	14mm
Crossfeed Handwheel – 1 grad	0.02mm	0.02mm
Crossfeed Handwheel – 1 rev	5mm	5mm
Automatic Crossfeed of Saddle	-	0.5-12mm
Power Cross Feed 50Hz	-	790mm
Power Cross Feed 60Hz	-	950mm
Grinding Wheel	200 x 25 x 31.75mm	200 x 25 x 31.75mm
Spindle Speed 50Hz	2850rpm	2850rpm
Spindle Speed 60Hz	3420rpm	3420rpm
Vertical handwheel – 1 grad	0.01	0.01
Vertical Handwheel – 1 rev	2mm	2mm
Auto Down Feed Elevation	-	-0.002-0.02mm(AHD)
Power Head increment	-	-
Spindle Motor	2.2kw	2.2kw
Vertical Motor	-	-
Hydraulic Motor	-	1.5kw
Dust Collection Motor	550w	500w
Coolant Motor	90w	90w
CrossFeed Motor	-	60w
Floor Space	1900 x 2300mm	1900 x 2300mm
Overall Dimensions	1654 x 1670 x 2140mm	1650 x 2020 x 2140mm
Net Weight	1480kgs	1655kgs

OPTIONAL ACCESSORIES

- Dust Suction System
- Magnetic Chucks
- De-Magnetiser
- Paper Filter System
- Magnetic Filter System
- Overhead Wheel Dresser
- Radius Angle Dresser
- Wheel Balance Arbor
- Wheel Balance Base

'H' Type Column Guideway



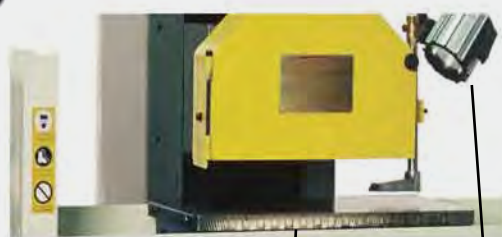
A=AUTOMATIC H=HYDRAULIC R=RAPID D=DOWNFEED

KGS 1224 SURFACE GRINDER



FEATURES

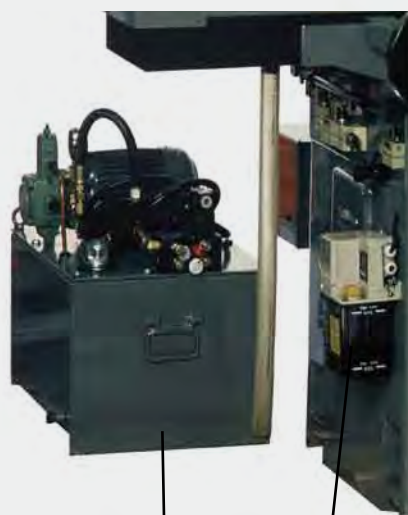
- Heavy Duty Casting
- Direct Drive Spindle
- Auto Lube
- High Capacity Table Load
- Easy to Operate



Magnetic Chuck Halogen Lamp

SPECIFICATIONS

Model	KGS 1224 AH/AHR/AHD
Working Surface of Table	300 x 600mm
Max. Table Travel	660mm
Max Cross Travel	370mm
Distance between Table & Spindle Centre	540mm
Max Table Load	420kgs
Table Speed	5.25m/min
Nos of 'T' Slots	1
Size of 'T' Slots	14mm
Crossfeed Handwheel – 1 grad	0.02mm
Crossfeed Handwheel – 1 rev	5mm
Automatic Crossfeed of Saddle	0.5-12mm
Power Cross Feed 50Hz	790mm/min
Power Cross Feed 60Hz	950mm/min
Grinding Wheel	355 x 40 x 127mm
Spindle Speed 50Hz	1450rpm
Spindle Speed 60Hz	1740rpm
Vertical handwheel – 1 grad	0.01/0.01/0.001mm
Vertical Handwheel – 1 rev	2/2/0.5mm
Auto Down Feed Elevation	0.005-0.025mm(AHD)
Power Head increment	380mm(AHR)230mm(AHD)
Spindle Motor	4Kw
Vertical Motor	0.90Kw(AHR)0.90Kw(AHD)
Hydraulic Motor	1.5Kw
Dust Collection Motor	550w
Coolant Motor	90w
CrossFeed Motor	90w
Floor Space	2600 x 2500mm
Overall Dimensions	2090 x 1940 x 2210mm
Net Weight	1850/1810/1910kgs



Hydraulic System Auto Lubrication System



Control Panel

STANDARD ACCESSORIES

- Splash Guard
- Wheel Guard
- Electro Magnetic Chuck
- De- Magnetiser
- Coolant System
- Halogen Lamp
- Manual and Parts List

OPTIONAL ACCESSORIES

- Dust Suction System
- Paper Filter System
- Magnetic Filter System
- Overhead Wheel Dresser
- Radius Angle Dresser
- Wheel Balance Arbor
- Wheel Balance Base
- Digital Readout

1632/1640 SURFACE GRINDER



SPECIFICATIONS

Model	KGS1632AH/AHR/AHD	KGS1640AH/AHR/AHD
Working Surface of Table	400 x 800mm	400 x 1000mm
Max: Table Travel	920mm	1120mm
Max Cross Travel	450mm	450mm
Distance between Table & Spindle Centre	580mm	580mm
Max Table Load	700kgs	700kgs
Table Speed	5-25m/min	5-25mm/min
Nos of 'T' Slots	3	3
Size of 'T' Slots	14mm	14mm
Crossfeed Handwheel – 1 grad	0.02mm	0.02mm
Crossfeed Handwheel – 1 rev	5mm	5mm
Automatic Crossfeed of Saddle	0.5-12mm	0.5-12mm
Power Cross Feed 50Hz	790mm/min	790mm/min
Power Cross Feed 60Hz	950mm/min	950mm/min
Grinding Wheel	355 x 40 x 127mm	355 x 40 x 127mm
Spindle Speed 50Hz	1450rpm	1450rpm
Spindle Speed 60Hz	1740rpm	1740rpm
Vertical handwheel – 1 grad	0.01/0.01/0.001mm	0.01/0.01/0.001mm
Vertical Handwheel – 1 rev	2/2/0.5mm	2/2/0.5mm
Auto Down Feed Elevation	0.005-0.025mm(AHD)	0.005-0.025mm(AHD)
Power Head increment	380(AHR)230(AHD)	380(AHR)230(AHD)
Spindle Motor	5.5Kw	5.5Kw
Vertical Motor	90w(AHR & AHD)	90w(AHR & AHD)
Hydraulic Motor	2.2Kw	2.2Kw
Dust Collection Motor	550w	550w
Coolant Motor	90w	90w
CrossFeed Motor	90w	90w
Floor Space	3600 x 2600mm	3600 x 2600mm
Overall Dimensions	2775 x 2255 x 2210mm	2990 x 2225 x 2210mm
Net Weight		

FEATURES

- Heavy Duty Casting
- Direct Drive Spindle
- Auto Lube
- High Capacity Table Load
- Easy to Operate

STANDARD ACCESSORIES

- Splash Guard
- Wheel Guard
- Electro Magnetic Chuck
- De- Magnetiser
- Coolant System
- Halogen Lamp
- Manual and Parts List

OPTIONAL ACCESSORIES

- Dust Suction System
- Paper Filter System
- Magnetic Filter System
- Overhead Wheel Dresser
- Radius Angle Dresser
- Wheel Balance Arbor
- Wheel Balance Base
- Digital Readout

A=AUTOMATIC H=HYDRAULIC R=RAPID D=DOWNFEED

KGS500 SERIES SURFACE GRINDERS



SPECIFICATIONS

Model	KGS 510AH/AHD	KGS 515AH/AHD	KGS 615AH/AHD	KGS 620AH/AHD
Working Surface of Table	1000x500mm	1500x500mm	1500x600mm	2000x600mm
Max. Table Travel	1140mm	1600mm	1600mm	2230mm
Max Cross Travel	540mm	570mm	660mm	660mm
Distance between Table & Spindle Centre	590mm	590mm	600mm	600mm
Max Table Load	700kgs	700kgs	800kgs	1500kgs
Table Speed	5-25m/min	5-25mm/min	5-25mm/min	7-25mm/min
Nos of "T" Slots	3	3	3	3
Size of "T" Slots	16mm	16mm	16mm	16mm
Crossfeed Handwheel – 1 grad	0.02mm	0.02mm	0.02mm	0.02mm
Crossfeed Handwheel – 1 rev	5mm	5mm	5mm	5mm
Automatic Crossfeed of Saddle	0.5-12mm	0.5-12mm	0.5-12mm	0.5-12mm
Power Cross Feed 50Hz	1250mm/min	1250mm/min	1250mm/min	1250mm/min
Power Cross Feed 60Hz	1500mm/min	1500mm/min	1500mm/min	1500mm/min
Grinding Wheel	355x38x127mm	355x38x127mm	355x38x127mm	355x38x127mm
Spindle Speed 50Hz	1450rpm	1450rpm	1450rpm	1450rpm
Spindle Speed 60Hz	1740rpm	1740rpm	1740rpm	1740rpm
Vertical handwheel – 1 grad	0.002mm	0.002mm	0.002mm	0.002mm
Vertical Handwheel – 1 rev	0.5mm	0.5mm	0.5mm	0.5mm
Auto Down Feed Elevation	0.005-0.04mm(AHD)	0.005-0.04mm(AHD)	0.005-0.04mm(AHD)	0.005-0.04mm(AHD)
Power Head increment	230mm/min	230mm/min	230mm/min	230mm/min
Spindle Motor	5.5Kw	5.5Kw	7.5Kw	7.5Kw
Vertical Motor	370w	370w	370w	370w
Hydraulic Motor	2.2Kw	2.2Kw	5.5Kw	5.5Kw
Dust Collection Motor	550w	550w	550w	550w
Coolant Motor	90w	90w	90w	90w
CrossFeed Motor	370w	370w	370w	370w
Floor Space	4445x2100mm	5810x2445mm	5810x2445mm	
Overall Dimensions	2400x4445x2100mm	4000x2260x250mm		6200x2700mm
Net Weight	5000kgs	6000kgs	6250kgs	8500kgs
Gross Weight	6000kgs	7000kgs	7250kgs	9700kgs

A=AUTOMATIC H=HYDRAULIC R=RAPID D=DOWNFEED

FEATURES

- Heavy Duty Casting
- Direct Drive Spindle
- Auto Lube
- High Capacity Table Load
- Easy to Operate

STANDARD ACCESSORIES

- Splash Guard
- Wheel Guard
- Electro Magnetic Chuck
- De- Magnetiser
- Coolant System
- Halogen Lamp
- Manual and Parts List

OPTIONAL ACCESSORIES

- Dust Suction System
- Paper Filter System
- Magnetic Filter System
- Overhead Wheel Dresser
- Radius Angle Dresser
- Wheel Balance Arbor
- Wheel Balance Base
- Digital Readout

UNIVERSAL CYLINDRICAL GRINDERS



SPECIFICATIONS

Model	UG20	UG32	UG50
Distance between centers	500,700mm	500,750,1000,1500,2000,3000mm	1500,2000,3000mm
Center height	135mm	180mm	270mm
Dia.Ground(O.D)	5-200mm	8-320mm	25-500mm
Dia.Ground(I.D)	25-100mm	30-100mm	30-200mm
Max.length ground(O.D)	500,750mm	500,750,1000,1500,2000,3000mm	1500,2000,3000mm
Max.length ground(I.D)	100mm	125mm	320mm
Max.weight of work piece	100kg	150kg	1000kg
Swiveling angle	+90°	+90°	+90°
Center taper(MT)	4MT	4MT	4MT
Spindle speed	50HZ:25-380r/min	50HZ:25-220r/min	50HZ:20-224r/min
Wheel spindle speed	1670rpm	1670rpm	1330/665rpm
Wheelhead rapid travel	50mm	50mm	100mm
Max.travel	205mm	246mm	370mm
Swiveling angle	±30°	±30°	-30°
Hand feed per.rev	rough:2mm,fine:0.5mm	rough:2mm,fine:0.5mm	rough:4mm,fine:0.5mm
Hand feed per gra.	rough:0.01mm,fine:0.0025mm	rough:0.01mm,fine:0.0025mm	rough:0.002mm,fine:0.0025mm
Wheel size Max.dimension of wheel(OD*W*ID)	400*50*203mm	400*50*203mm	500*75*305mm
Wheel peripheral velocity	35m/s	35m/s	35/17.5m/s
Spindle speed	10000r/min	10000r/min	7000r/min
Wheel size	max:35*25*10mm, min:17*20*6mm	max:50*25*13mm, min:17*20*6mm	max:175*32*32mm, min:30*25*10mm
Hand feed per.rev	6mm	6mm	5mm
Max.swiveling angle(clockwise)	3°	3°(500,750,1000,1500),2°(2000,3000)	3°(1500)2°(2000,3000)
Max.swiveling angle(anticlockwise)	9°(750),8°(500)	9°(500),8°(750),7°(1000),6°(1500),5°(2000),3°(3000)	6°(1500),5°(2000),3°(3000)
Longitudinal traverse speed of table	0.1-4m/min	0.1-4m/min	0.1-3m/min
	4MT	4MT	6MT
Quill travel	30mm	30mm	70mm
Wheelhead motor power	4kw	5.5kw	5/7.5kw
Internal grinding	1.1kw	1.1kw	1.5kw
Workhead motor power	0.75kw	1.5kw	4kw



BENCH GRINDERS



SG8



TG10 + STAND + DUST COLLECTOR



TG8

FEATURES

- High Quality Castings
- Sealed Bearings
- Balanced Motor
- Dust Extraction Facility
- NVR Switchgear
- Rigid Toolrests

STANDARD ACCESSORIES

- Eye Guards
- Grinding Wheels
- Manual and Parts List

OPTIONAL ACCESSORIES

- Gravity Dust Extractor
- Powered Dust Extractor Inc Stand
- Different Grade Wheels
- Stand
- Water Trough

Model	SG-6/110	SG-6/240	SG-8/110	SG-8/240	TG-8/415	TG-10/415	SG-10/240	TG-12/415
Wheel Size	150x25x20mm	150x25x20mm	200x25x20mm	200x25x20mm	200x25x20mm	250x39x25.4mm	250x38x25.4mm	300x50x20mm
Motor Power	1/3hp/0.15Kw	1/3hp/0.15Kw	3/4hp/0.3Kw	3/4hp/0.3Kw	3/4hp/0.3Kw	1hp/0.75Kw	1hp/0.75Kw	2hp/1.5Kw
Power Supply	110v	240v	110v	240v	415v	415v	240v	415v
Wheel Speed	2850rpm	2850rpm	2850rpm	2850rpm	2850rpm	2850rpm	2850rpm	1420rpm
Guard Thickness	2mm	2mm	2.5mm	2.5mm	2.5mm	4mm	4mm	4mm
Distance between Wheels	305mm	305mm	390mm	390mm	390mm	470mm	470mm	570mm
Dimensions(LxWxH)	370 x 215 x 220mm	370 x 215 x 220mm	470 x 265 x 300mm	470 x 265 x 300mm	470 x 265 x 300mm	580 x 350 x 350mm	580 x 350 x 350mm	740 x 490 x 395mm
Net Weight	11.5kgs	11.5kgs	19.5kgs	19.5kgs	19.5kgs	47kgs	47kgs	82kgs

BENCH POLISHERS

Model	SP-7/240	TP-7/415	TP-9/415
Mop Size	175x25x20mm	175x25x20mm	225x24x20mm
Motor Power	3/4hp 0.55kw	3/4hp 0.55kw	1hp 0.75kw
Power Supply	240v	415v	415v
Wheel Speed	2850rpm	2850rpm	2850rpm
Guard Thickness	2.5mm	2.5mm	2.5mm
Distance between Wheels	390mm	390mm	390mm
Dimensions(LxWxH)	470x265x300mm	470x265x300mm	470x265x300mm
Net Weight	19.5kgs	19.5kgs	47kgs



TP-9 +STAND

FEATURES

- Balanced Motors
- Dust Extraction Facility
- NVR Switchgear

STANDARD ACCESSORIES

- Polishing Mops
- Eye Shields
- Manual and Parts List

OPTIONAL ACCESSORIES

- Stand
- Stand with Powered Dust

BELT LINISHERS



FEATURES

- Dust Extraction Facility
- Rubberized Belt Drive
- Rigid Tool Rests
- Large Grinding Surfaces
- Easy Belt Changing

STANDARD ACCESSORIES

- Belt
- Manual and Parts Lists
- Eye Shields
- Model TB100/415 comes with Stand
- NVR Switchgear

OPTIONAL ACCESSORIES

- Stand
- Powered Dust Extractor with Stand
- Gravity Dust Extractor
- Different Grit belts

Model	TG-100/415	SG-50/240	TB100/415	SB100/240
Wheel Size	200X25X20mm	150X25X20mm	n/a	n/a
Belt Size	100x1000mm	100x1000mm	1500x1000mm	1220x1000mm
Motor Power	0.7hp 0.55kw	0.4hp 0.2kw	2hp 1.5kw	1hp 0.75kw
Power Supply	415v	240v	415v	240v
Wheel Speed	2850rpm	2850rpm	n/a	n/a
Belt Speed	15m/sec	15m/sec	19m/sec	19m/sec
Flat Grinding Surface	100x250mm	50x250mm	320x105mm	320x105m
Guard Thickness	2.5mm	2.5mm	2.5mm	2.5mm
Dimensions(LxWxH)	510x265x630mm	395x215x590mm	820x480x1100mm	650x380x260mm
Net Weight	28kgs	16.5kgs	47kgs	27kgs



GRINDING ACCESSORIES

MAGNETIC CHUCKS



FEATURES

- Magnetic Force 18KGF
- High Precision Working Surface
- Easy Switching

Model	Size	Chucking Size				Pole Gap P	Chuck Mounting Face G	E	F	Switch Type	Height	Weight
		A	B	C	D							
VG-510	125X250mm	125mm	250mm	206mm	20mm	8(2+6)mm	125mm	262mm	15mm	Hex Socket	50mm	12kgs
VG-612	150x300mm	150mm	300mm	256mm	20mm	8(2+6)mm	150mm	318mm	15mm	Hex Socket	50mm	18kgs
VG-618	150x450mm	150mm	450mm	406mm	20mm	8(2+6)mm	150mm	468mm	15mm	Hex Socket	50mm	27kgs
VG-816	200x400mm	200mm	400mm	356mm	20mm	8(2+6)mm	200mm	418mm	15mm	Hex Socket	50mm	31kgs
VG-1020	250x500mm	250mm	500mm	500mm	20mm	8(2+6)mm	250mm	518mm	15mm	Hex Socket	50mm	48kgs

RADIUS ANGLE DRESSER



Max Wheel Diameter	11"
Concave Cadius with Standard Diamonds	0-21/4"
Concave Cadius with RTA-Tail Diamonds	0-21/4"
Concave Cadius	0-4"
Tangent Travel in either Direction	1.950"
Centre Line	3.4"

FEATURES

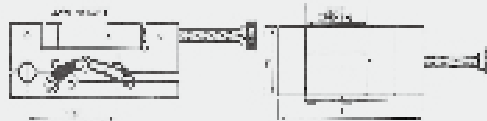
- .6 minute reading
- 5/2" long x 6 1/2" high
- Dual purpose dial for drum & angle movement
- Stop for Convex and Concave Radius
- Comes with Setting Gage for Diamond Tool

GRINDING WHEELS DISH AND CUPTYPE



Brierley are able to supply a wide range of Grinding Wheels to suit all their range of grinders. Please refer to manual for sizes and shapes of wheels when ordering.

SINE VICE



Stock Code	Material	Length	Width	Jaw Opening	Jaw Height	Angle	Harden	Net Weight
VER-SVD-200	SK2	155mm	48mm	60mm	25mm	0-46o	HRC56o-58o	5kgs
VER-SVD-250	SK2	176mm	63mm	70mm	30mm	0-46o	HRC56o-58o	8kgs
VER-SVD-300	SK2	180mm	75mm	85mm	30mm	0-46o	HRC56o-58o	12kgs

TOOLMAKERS VICE



Stock Code	A	B	C	D	E	F	G	H	I	J	Net Weight
VER-VC-20	135mm	48mm	42mm	20mm	22mm	23mm	62mm	40mm	M6	5x7mm	2kgs
VER-VC-25	160mm	70mm	62mm	30mm	32mm	33mm	80mm	45mm	M6	8x7mm	3kgs
VER-VC-30	175mm	73mm	65mm	32mm	33mm	35mm	95mm	45mm	M6	8x7mm	4kgs

Chester have one of the largest and wide ranging selection of lathes available on the market. These range from small 3” swing Hobby machines right through to 3 metre swing Oil Country Lathes. 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.



CHESTER LATHES



COBRA LATHE AND MILL



COBRA LATHE

SPECIFICATION MILL

Drilling Capacity	10mm
End Mill Capacity	10mm
Face Mill Capacity	20mm
Spindle Stroke	30mm
Throat	140mm
Table Working Surface	50x145mm
Longitudinal Travel	180mm
Cross Travel	90mm
Max. Distance Spindle to Table	220mm
No. of Spindle Speeds	Variable
Range of Speeds	100 - 2000rpm
Spindle Taper	MT2
Motor	150w
Supply	240v
Weight (Nw/Gw)	47/60kgs
Dimensions (LxWxH)	540x250x200mm

SPECIFICATION LATHE

Centre Height	70mm
Maximum Swing	140mm
Distance Between Centres	250mm
Width of Bed	70mm
Longitudinal Travel	200mm
Spindle Bore	9mm
Spindle Taper	MT2
Number of Speeds	Variable
Range of Speeds	100 - 2000rpm
Metric Threads - Metric machine	0.5-1.25mm
Imperial Threads - Imperial machine	16-24TPI
Tailstock Taper	MT1
Tailstock Quill Travel	25mm
Crossslide Travel	60mm
Motor	150w
Weight - Lathe only	35kgs
Dimensions (LxWxH)	540x380x680mm
Stock Code - Lathe only Metric	LAT-COB-M
Stock Code - Lathe only Imperial	LAT-COB-I
Price ex vat	£295.64
Price inc vat	£339.99
Weight - Combination Machine	65kgs net weight
Stock Code -Combination Machine	LAT-COB-3IN1
Price ex vat - Combination Machine	£469.56
Price inc vat - Combination Machine	£539.99

STANDARD ACCESSORIES

- 80mm 3-Jaw Chuck
- 2-Way Toolpost
- MT1 Steel Centre
- Change Gears
- Splash Guard (Lathe only)
- 1-10mm Drill Chuck & Arbor (millhead only)
- Variable Speed
- Spanners
- Allen Keys
- 10mm Draw bar (millhead only)
- Manual and Parts List

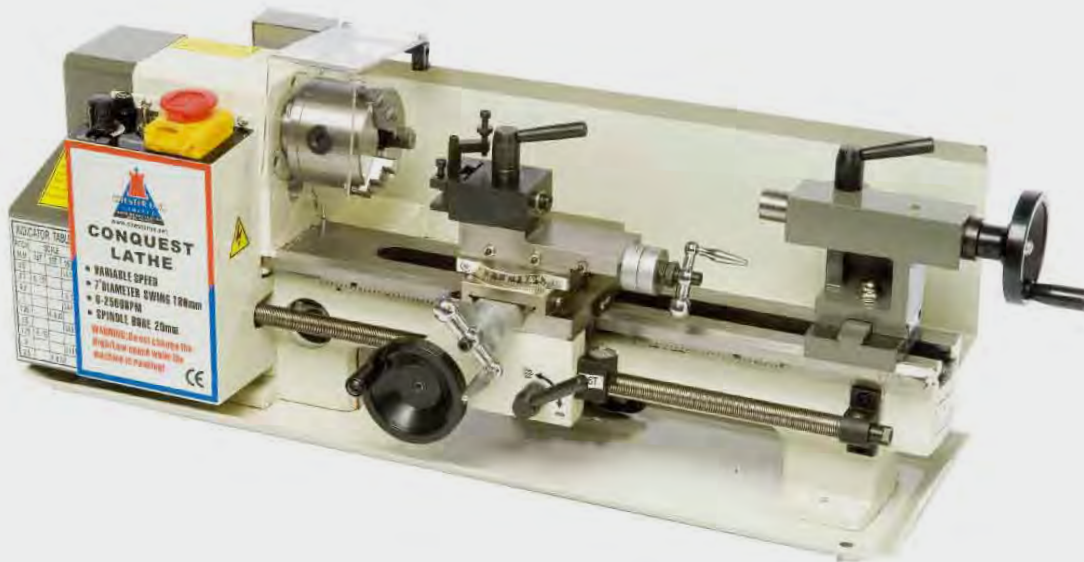
STANDARD FEATURES

- Variable Speed
- Leadscrew Metric or Imperial
- Thread Cutting
- Longitudinal Power Feed
- Cast Iron Bed

OPTIONAL ACCESSORIES

1  Travelling Steady	2  Fixed Steady	3  Face Plate	4  80mm 4-Jaw Chuck	5  Live Centre MT2	6  Compound Slide	7  Back Plate 80mm	8  1/4" Indexable Lathe Tools
9  Quick Change Toolpost & 3 Holders	10  Coolant System	11  Wood Rest and Centre	12  Flexi-arm Lamp	13  1-10mm Drill Chuck and MT2 Arbor	14  Vertical slide		

CONQUEST LATHE



STANDARD ACCESSORIES

- 80mm 3-Jaw Chuck with Internal and External Jaws
- Quick Change Toolpost
- MT2 Steel Centre
- Set of Change Gears Met or Imp
- Rear Splash Guard
- Oil Tray
- Built in Variable Speed System
- Set of 5 Lathe Tools
- Allen keys
- Spanner 12-14mm
- Manual & Parts List
- Chuck Guard

STANDARD FEATURES

- Variable Speed
- Cast Iron Construction
- Easily Portable
- Metric or Imperial Thread Cutting
- Can be Installed and Cutting Metal Within 5 Minutes

SPECIFICATION

Centre Height	90mm
Swing over Bed	180mm
Swing over Cross Slide	100mm
Distance between Centres	325mm
Width of 'V' Bed	85mm
Longitudinal Travel	280mm
Spindle Bore	19mm
Spindle Taper	MT3
Spindle Speeds	Variable
Speed Range (High)	100-2500 rpm
Speed Range (Low)	0-1100rpm
Metric Threads	0.5-2.5mm
Imperial Threads	12-52 TPI
Crosslide Travel	68mm
Tailstock Quill Travel	60mm
Compound Slide Travel	70mm
Tailstock Taper	MT2
Motor	400W
Power Supply	240V
Net Weight	38kgs
Dimensions	770x254x300mm
Stock Code - Metric	LAT-CONQ-M
Stock code -Imperial	LAT-CONQ-I
Price ex vat	£399.99
Price inc vat	£459.99



Conquest Lathe with Standard Thread Cutting Gears and Quick Change Toolpost Holders

OPTIONAL ACCESSORIES

1  Travelling Steady	2  Fixed Steady	3  Face Plate	4  80mm 4-Jaw Chuck	5  Live Centre MT2	6  Leadscrew Conversion Kit	7  Back Plate 80mm	8  3/8" Indexable Lathe Tools
9  Quick Change Toolpost & 3 Holders	10  Coolant System	11  Wood Rest and Centre	12  Flexi-arm Lamp	13  1-10mm Drill Chuck and MT2 Arbor	14  Vertical slide		

CONQUEST LATHE SUPER



SPECIFICATION

Centre Height	90mm
Swing over Bed	180mm
Swing over Crossslide	100mm
Distance between Centres	325mm
Width of 'V' Bed	85mm
Longitudinal Travel	280mm
Spindle Bore	19mm
Spindle Taper	MT3
Spindle Speeds	Variable
Speed Range (High)	100-2500rpm
Speed Range (Low)	0-1100rpm
Metric Threads	0.5-2.5mm
Imperial Threads	12-52TPI
Crossslide Travel	68mm
Tailstock Quill Travel	60mm
Compound Slide Travel	70mm
Motor	400w
Power Supply	240v
Net Weight	38kgs
Dimensions	770x254x300mm
Stock Code - Metric	LAT-CONQ-DRO-M
Stock Code - Imperial	LAT-CONQ-DRO-I
Price ex-vat	£460.86
Price inc vat	£529.99



Digital Readout on Crossslide and Topslide



Digital Speed Readout

FEATURES

- Digital Spindle Speed Readout
- Digital Calibration on Crossslide and Topslide
- Offset Tailstock
- Cast Iron Construction
- Metric or Imperial Thread Cutting
- Variable Spindle Speed

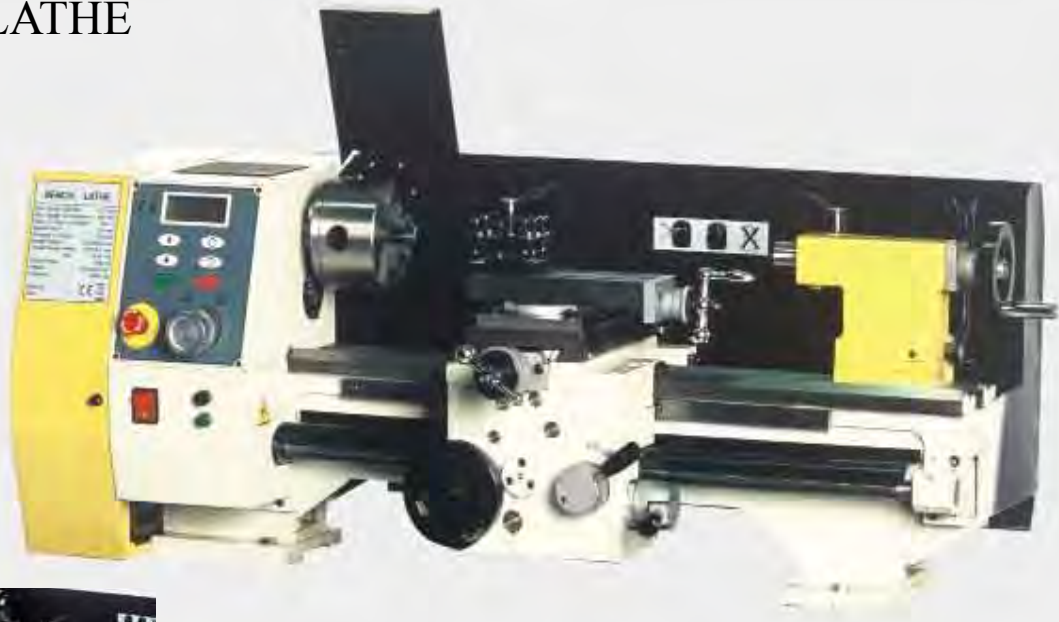
STANDARD ACCESSORIES

- 80mm 3-Jaw Chuck
- 4- Way Toolpost
- MT2 Steel Centre
- Set of Change Gears
- Splash Guard
- Oil Tray
- Lathe Tools
- Allen Keys
- Spanner
- Variable Speed System
- Dial Thread Indicator
- Manual and Parts List

OPTIONAL ACCESSORIES

1  Travelling Steady	2  Fixed Steady	3  Face Plate	4  80mm 4-Jaw Chuck	5  Live Centre MT2	6  Leadscrew Conversion Kit	7  Back Plate 80mm	8  3/8" Indexable Lathe Tools
9  Quick Change Toolpost & 3 Holders	10  Coolant System	11  Wood Rest and Centre	12  Flexi-arm Lamp	13  1-10mm Drill Chuck and MT2 Arbor	14  Vertical slide		

COMET LATHE



'T' Slotted Crossslide

Powered Crossfeed

Variable Speed

'T' Slotted Topslide

Vee Bedway

Digital Speed Display



3-Jaw Chuck 100mm

SPECIFICATION

Centre Height	105mm
Max. Swing	210mm
Distance between Centres	450mm
Spindle Bore	20mm
Spindle Taper	MT3
Spindle Speeds	100 - 2000 rpm
Range of Metric Threads	0.25 - 3mm
Range of Imperial Threads	8-24 TPI
Longitudinal Feed Rate (min)	0.07mm/r
Crossslide Feed Rate (min)	0.2mm/r
Tailstock Taper	MT2
Topslide Travel	70mm
Crossslide Travel	100mm
Tailstock Travel	40mm
Motor	1.5hp
Power	240volt
Dimensions	1000x550x400mm
Net Weight	94kgs
Stock Code	LAT-COM-VS
Price ex vat	£929.57
Price inc vat	£1069.00

STANDARD ACCESSORIES

- 3-Jaw Chuck 100mm
- Quick Change Toolpost
- 2 Square Toolpost Holders
- 4-Way Toolpost
- Rear Splash Guard
- Lathe Tools
- MT3 & MT2 Steel Centres
- Manual & Parts List
- Interlocked Chuck Guard
- Change Gears

FEATURES

- Powered Crossfeed
- Left hand Thread Cutting
- 'T' Slotted Crossslide
- 'T' Slotted Topslide
- Digital Speed Display
- Vee Bedway
- Wide Speed Range
- Adjustable Slideways
- Cast Iron Construction
- Hardened and Ground Bedways

OPTIONAL ACCESSORIES

1  Live Centre	2  38" Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  Measuring Tool Set	5  Hobby Coolant System	6  Vertical Slide	7  Flexi Arm Lamp	8  1-10mm Drill Chuck and Arbor
9  Machine Stand							



920 LATHE

There has never been a better time to get into metal working – or a better price on a professional quality Chester metalworking lathe. The Chester 920 is precision crafted for superior accuracy and long-lasting dependability. You won't find a better combination of price and performance on a full-featured 9" x 20" lathe anywhere.



SPECIFICATION

Swing over Bed	240mm
Swing over Cross Slide	135mm
Distance Between Centres	500mm
Hole Through Spindle	19mm
Spindle Mount	M39x4mm
Spindle Taper	MT3
Number of Spindle Speeds	6
Range of Spindle Speeds (RPM)	100-1800
Number of Inch Threads	27
Range of Inch Threads	8 –56 TPI
Number of Metric Threads	11
Range of Metric Threads	0.5-3mm
Max. Tool Size	10mm
Compound Slide Travel	50mm
Cross Slide Travel	110mm
Carriage Travel	470mm
Tailstock Spindle Travel	40mm
Taper in Tailstock Spindle	MT2
Width of Bed	120mm
Overall Dimensions	1040x540x380mm
Main Motor	¾hp 240v
Weight – Net	100kgs
Weight – Gross	125kgs
Stock Code - Metric	LAT-920-M
Stock Code - imperial	LAT-920-I
Price ex vat	£608.69
Price inc vat	£699.99

STANDARD ACCESSORIES

- 100mm Jaw Chuck with Two sets of Jaws
- Lathe Tool Set
- 125mm 4 Jaw Chuck with Reversible Jaws
- Fixed Steady
- Travelling Steady
- MT2 Dead Centre
- MT3 Dead Centre
- 4-Way Toolpost
- 7½" Face Plate
- Rear Splash Guard
- Machine Tray
- Toolbox & Tool Kit

FEATURES

- Tapered Roller Bearing Headstock
- Hardened and Ground Bedways
- Cast Iron Bed
- Thread Cutting Gearbox
- Tee Slotted Cross Slide
- Double 'Vee' Bedways
- Thread Cutting Dial
- Offset Tailstock

OPTIONAL ACCESSORIES

1  Live Centre	2  3/8" Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  Measuring Tool Set	5  Hobby Coolant System	6  Vertical Slide	7  Flexi Arm Lamp	8  1-10mm Drill Chuck and Arbor
9  Machine Stand							

DB7VS LATHE



“ High Quality Precision Lathe, combining compact conventional lathe design”

• Shown with optional stand

SPECIFICATION

Distance between Centers	300mm
Swing over Bed	180mm
Swing over Cross Slide	120mm
Width of Bed	100mm
Taper of Spindle Bore	MT3
Spindle Bore	21mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50~2500rpm
Range of Longitudinal Feeds	0.08-0.16mm/r
Range of Inch Threads	10-44T.P.I
Range of Metric Threads	0.5-3mm
Top Slide Travel	50mm
Crossslide Travel	75mm
Tailstock Quill Travel	60mm
Taper of Tailstock Quill	MT2
Motor	700w
Packing Size (LxWxH)	780x480x420mm
Net Weight	55Kgs
Stock Code - Metric	LAT-DB7VS-M
Stock Code - Imperial	LAT-DB7VS-I
Price ex vat	£625.22
Price inc vat	£719.00

STANDARD ACCESSORIES FEATURES

- 3 & 4-Jaw Chucks
- Fixed & Travelling Steadies
- Faceplate
- Machine Tray
- Rear Splash Guard
- Lathe Tool Set
- Interlocked Lathe Chuck Guard
- Manual & Parts List
- Change Gears
- Digital Spindle Speed Readout
- Hardened and Ground Vee Bedways
- Offset Tailstock
- Variable Spindle Speed
- Metric & Imperial Thread Cutting
- Longitudinal Power Feed
- Cast Iron Construction

OPTIONAL ACCESSORIES

1  Live Centre	2  3/8" Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  Measuring Tool Set	5  Hobby Coolant System	6  Vertical Slide	7  Flexi Arm Lamp	8  1-10mm Drill Chuck and Arbor
9  Machine Stand							

DB8VS LATHE



• Shown with optional stand



SPECIFICATION

Distance between Centres	400mm
Swing over Bed	210mm
Swing over Crossslide	110mm
Width of Bed	135mm
Taper of Spindle Bore	MT3
Spindle Bore	21mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50~2000rpm
Range of Longitudinal Feeds	0.10-0.20mm/r
Range of Inch Threads	10-44T.P.I
Range of Metric Threads	0.4-3mm
Top Slide Travel	50mm
Crossslide Travel	110mm
Tailstock Quill Travel	70mm
Taper of Tailstock Quill	MT2
Motor	750w
Packing Size (LxWxH)	1050x560x570mm
Net Weight	110kgs
Stock Code - Metric	LAT-DB8VS-M
Stock Code - imperial	LAT-DB8VS-I
Price ex vat	£843.43
Price inc vat	£969.95

FEATURES

- Digital Spindle Speed Readout
- Hardened and Ground Vee Bedways
- Offset Tailstock
- Variable Spindle Speed
- Metric & Imperial Thread Cutting
- Longitudinal Power Feed
- Cast Iron Construction

STANDARD ACCESSORIES

- 100mm 3-Jaw Chuck
- 100mm 4-Jaw Chuck
- Fixed & Travelling Steadies
- Faceplate
- Machine Tray
- Rear Splash Guard
- Lathe Tool Set
- Interlocked Lathe Chuck Guard
- Chip Guard
- Manual & Parts List
- MT3 & MT2 Steel Centre
- Change Gears

OPTIONAL ACCESSORIES

1  Live Centre	2  38° Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  Measuring Tool Set	5  Hobby Coolant System	6  Vertical Slide	7  Flexi Arm Lamp	8  1-10mm Drill Chuck and Arbor
9  Machine Stand							

DB10GVS LATHE



• Shown with optional stand



• Variable Speed and Digital Speed Readout

FEATURES

- Digital Spindle Speed Readout
- 'T' Slotted Crossslide
- Hardened and Ground Vee Bedways
- Offset Tailstock
- Variable Spindle Speed
- Metric & Imperial Thread Cutting
- Longitudinal Power Feed
- Cast Iron Construction


STANDARD ACCESSORIES

- 125mm 3-Jaw Chuck
- 125mm 4-Jaw Chuck
- Fixed & Travelling Steadies
- Faceplate
- Machine Tray
- Rear Splash Guard
- Lathe Tool Set
- Chip Guard
- Manual & Parts List
- Change Gears

SPECIFICATION

Distance between Centres	550mm
Swing over Bed	250mm
Swing over Crossslide	145mm
Width of Bed	135mm
Taper of Spindle Bore	MT4
Spindle Bore	26mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50-2500rpm
Range of Longitudinal Feeds	0.07-0.20mm/r
Range of Inch Threads	8-56T.P.I
Range of Metric Threads	0.2-3.5mm
Top Slide Travel	50mm
Crossslide Travel	115mm
Tailstock Quill Travel	70mm
Taper of Tailstock Quill	MT2
Motor	1200w
Packing Size (LxWxH)	1150x1350x570mm
Net Weight	120kgs
Stock Code - Metric	LAT-DB10GVS-M
Stock Code - imperial	LAT-DB10GVS-I
Price ex vat	£1042.61
Price inc vat	£1199.00

OPTIONAL ACCESSORIES

1  Live Centre	2  3/8" Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  130mm 4-Jaw Self Centring Chuck	5  4-Jaw Back Plate	6  Hobby Coolant System	7  Vertical Slide	8  Flexi Arm Lamp
9  1-13mm Drill Chuck and Arbor	10  Machine Stand						

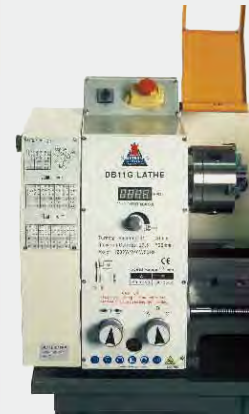
DB11GVS LATHE



• Shown with optional stand



'T' Slotted Crossslide



Digital Speed Readout

STANDARD ACCESSORIES

- 125mm 3-Jaw Chuck
- 125mm 4-Jaw Chuck
- Fixed & Travelling Steadies
- Faceplate
- Machine Tray
- Rear Splash Guard
- Lathe Tool Set
- Interlocked Lathe Chuck Guard
- Chip Guard
- Manual & Parts List
- MT3 & MT2 Steel Centres

FEATURES

- Digital Spindle Speed Readout
- 'T' Slotted Crossslide
- Hardened and Ground Vee Bedways
- Offset Tailstock
- Variable Spindle Speed
- Metric & Imperial Thread Cutting
- Longitudinal Power Feed
- Cast Iron Construction
- Change Gears

SPECIFICATION

Distance between Centres	700mm
Swing over Bed	280mm
Swing over Crossslide	145mm
Width of Bed	135mm
Taper of Spindle Bore	MT4
Spindle Bore	26mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	125~2500rpm
Range of Longitudinal Feeds	0.07-0.20mm/r
Range of Inch Threads	8-56T.P.I
Range of Metric Threads	0.2-3.5mm
Top Slide Travel	50mm
Crossslide Travel	115mm
Tailstock Quill Travel	70mm
Taper of Tailstock Quill	MT2
Motor	1200w
Packing Size (LxWxH)	1390x700x630mm
Net Weight	180kgs
Stock Code - Metric	LAT-DB11GVS-M
Stock Code - imperial	LAT-DB11GVS-I
Price ex vat	£1277.39
Price inc vat	£1469.00

OPTIONAL ACCESSORIES

1  Live Centre	2  38" Lathe Tools	3  Quick Change Toolpost + 5 Holders	4  130mm 4-Jaw Self Centring Chuck	5  4-Jaw Back Plate
6  Hobby Coolant System	7  Vertical Slide	8  Flexi Arm Lamp	9  1-13mm Drill Chuck and Arbor	10  Machine Stand

MODEL B SUPER MULTIFUNCTION MACHINE



The 'Original' Chester Multi-Purpose Machine is capable of turning, milling, drilling and thread cutting. Built from cast iron and with a large 16" capacity swing the Multi-Purpose Machine is the answer to a Model Engineer's needs!



• Shown with optional stand



Model B as Lathe



Inside Model B Belt Cabinet

SPECIFICATION

Centre Height	210mm
Maximum Swing	420mm
Swing over Cross Slide	130mm
Distance between Centres	520mm
Width of Bed	139mm
Longitudinal Travel	470mm
Spindle Bore	20mm
Spindle Taper	MT3
Number of Speeds for Lathe	7
Number of Speeds for Milling	14
Range of Speeds for Lathe	160-1360 rpm
Range of Speeds for Milling	117-1300 rpm
Metric Threads	0.2-3mm
Imperial Threads	8-120tpi
Tailstock Taper	MT3
Tailstock Quill Travel	80mm
Compound Slide Travel	80mm
Crossslide Travel	185mm
Headstock Bearings	Taper Roller
Maximum Swivel of Compound Slide	360 degrees
Longitudinal Leadscrew Pitch	4mm Acme Thread
Crossslide Leadscrew Pitch	3mm
Milling Table Size	300x150mm
Chuck Mounting	Plain Back Type
Drive	7/16" 'V' Belt
Motor	3/4 hp
Power Supply	240volt
Net Weight	155kgs
Dimensions (LxWxH)	930x690x1090mm
Stock Code	LAT-MODB
Price ex vat	£865.22
Price inc vat	£995.00

FEATURES

- Large Swing 420mm/16"
- All Tapers MT3
- Cast Iron Construction
- Taper Bearing Headstock
- Compact Space Saving Design

STANDARD ACCESSORIES

- 3-Jaw Self Centring Chuck with Internal & External jaws
- 2 x MT3 Steel Centres
- 1-13mm Drill Chuck & Arbor
- Drawbar for Milling Head
- Dual Purpose Compound Slide/Machine Vice
- Change Gears
- Set of 5 Carbide Lathe Tools
- Allen Keys
- Spanners
- Built in NVR Switchgear
- 4 Position Indexing Toolpost
- Lathe Chuck & Drill Chuck Guards
- Manual & Parts List

OPTIONAL ACCESSORIES

1 Economy Live Centre MT3	2 Travelling Steady	3 Fixed Steady	4 125mm 4 Jaw Independent Chuck	5 Quick Change Toolpost & 5 Holders	6 Stand c/w Tray	7 Machine Tray	8 125mm 4 Jaw Back Plate
9 Vertical Slide	10 "200mm FacePlate"/> 8"/>"200mm FacePlate	11 Coolant System	12 Mounting Block				



CENTURION 3 IN 1 MACHINE

The ultimate in combination machines the Centurion has the capacity to cover all the requirements of the home engineer. Taper roller bearings on both mill and lathe spindles, along with conventional belt and pulley drive systems provide for longevity and accuracy. Large 28mm spindle bore and a 420mm diameter lathe capability are features of this machine.



• Shown with optional stand

SPECIFICATION

Centre Height	210mm
Swing over Bed	420mm
Swing over Crossslide	270mm
Distance between Centres	500mm
Width of Bed	139mm
Longitudinal Travel	790mm
Spindle Bore	28mm
Spindle Taper	MT4
Number of Spindle Speeds	7
Range of Speeds - Lathe	160-1360rpm
Metric Threads steps	0.2-6mm in 22 steps
Imperial Threads	4-120 t.p.i. in 38 steps
Automatic Feeds	0.05-0.35 in 12 steps
Tailstock Taper	MT3
Tailstock Quill Travel	80mm
Compound Slide Travel	80mm
Crossslide Travel	200mm
Millhead Spindle Taper	MT3
Millhead Quill Travel	110mm
Distance between Spindle and Table	306mm
Millhead Spindle Speeds	16
Range of Speeds - Mill	120-3000rpm
Milling Table Size	475 x 160mm
'T' Slot Size	12mm
Drilling Capacity	25mm
End Mill Capacity	28mm
Fly Cutter Capacity	80mm
Lathe Motor	3/4 hp
Milling Power	3/4 hp
Power Supply	240volt
Net Weight	250kgs
Dimensions (LxWxH)	1570 x 480 x 955mm
Max Distance Spindle to Column	285mm
Stock Code	LAT-CENT
Price ex vat	£1155.65
Price inc vat	£1329.00

STANDARD ACCESSORIES

- 125mm 3-Jaw Chuck
- 1-13mm Drill Chuck
- MT3 Drill Chuck Arbor
- MT4 & MT3 Steel Centres
- Manual & Parts List
- Milling Drawbar
- 4-Way Toolpost
- Combined Vice /Compound Slide
- Change Gears
- Lathe & Drill Chuck Guards
- 10mm Lathe Tools

FEATURES

- Powered Crossfeed
- Separate Motor for Lathe and Mill
- Large Milling Table
- Leadscrew Guard
- 28mm Spindle Bore
- Heavy Duty Cast Iron Construction
- Capacitor Start Motors for High Torque Starting

OPTIONAL ACCESSORIES

1  Economy Live Centre MT3	2  Travelling Steady	3  Fixed Steady	4  125mm 4 Jaw Independent Chuck	5  Quick Change Toolpost & 5 Holders	6  Stand c/w Tray	7  Machine Tray	8  125mm 4 Jaw Back Plate
9  Vertical Slide	10 "200mm FacePlate" data-bbox="205 885 285 945"/> 8"/>"200mm FacePlate	11  Coolant System	12  Mounting Block				

CENTURION 3 IN 1 LONG BED

STANDARD ACCESSORIES

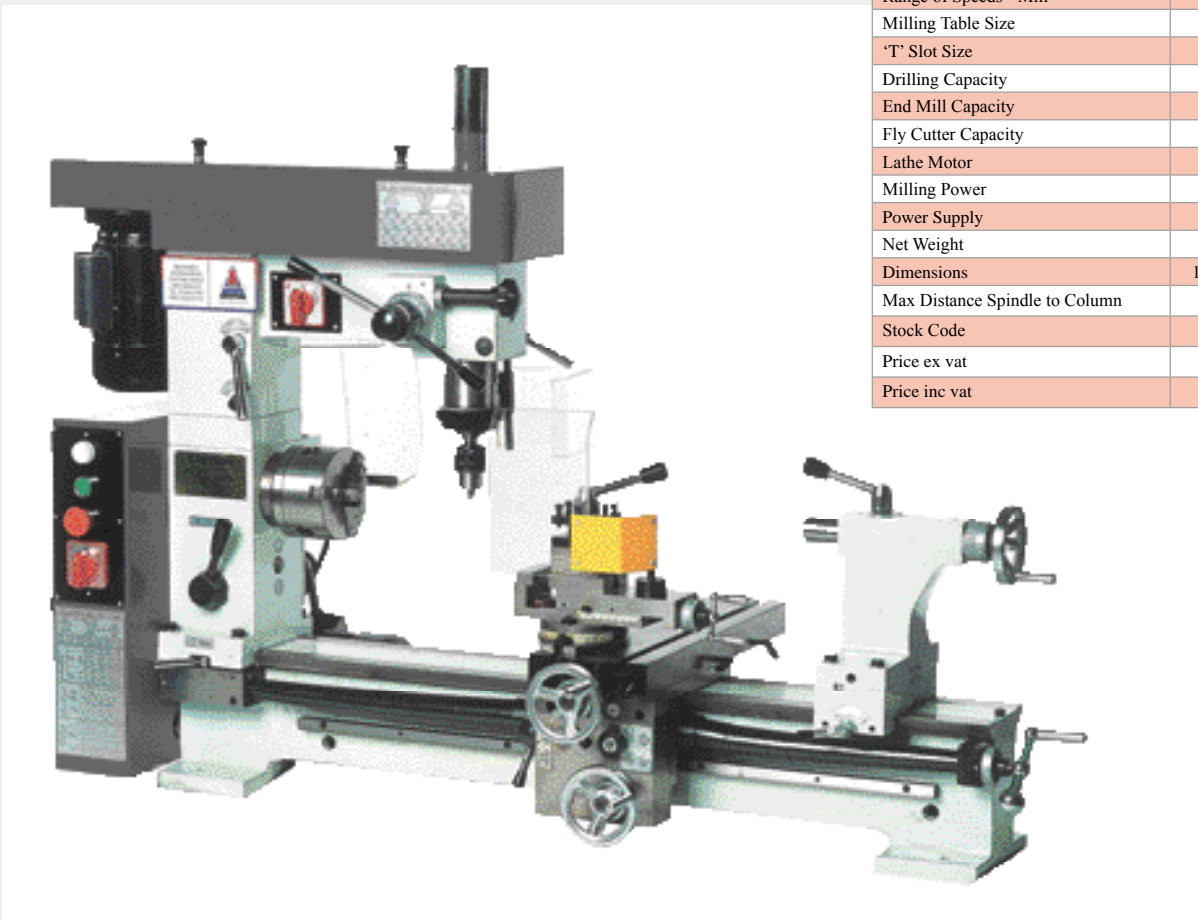
- 125mm 3-Jaw Chuck
- 1-13mm Drill Chuck
- MT3 Drill Chuck Arbor
- MT4 & MT3 Steel Centres
- 10mm Lathe Tools
- Manual & Parts List
- Milling Drawbar
- 4-Way Toolpost
- Combined Vice /Compound Slide
- Lathe & Drill Chuck Guards
- Change Gears

FEATURES

- Powered Crossfeed
- Separate Motor for Lathe and Mill
- Large Milling Table
- Leadscrew Guard
- 28mm Spindle Bore
- Heavy Duty Cast Iron Construction
- Capacitor Start Motors for High Torque Starting

SPECIFICATION

Centre Height	210mm
Swing over Bed	420mm
Swing over Crossslide	270mm
Distance between Centres	800mm
Width of Bed	139mm
Longitudinal Travel	790mm
Spindle Bore	28mm
Spindle Taper	MT4
Number of Spindle Speeds	7
Range of Speeds - Lathe	160-1360rpm
Metric Threads steps	0.2-6mm in 22 steps
Imperial Threads	4-120 t.p.i. in 38 steps
Automatic Feeds	0.05-0.35 in 12 steps
Tailstock Taper	MT3
Tailstock Quill Travel	80mm
Compound Slide Travel	80mm
Crossslide Travel	200mm
Millhead Spindle Taper	MT3
Millhead Quill Travel	110mm
Distance between Spindle and Table	306mm
Millhead Spindle Speeds	16
Range of Speeds - Mill	120-3000rpm
Milling Table Size	475 x 160mm
'T' Slot Size	12mm
Drilling Capacity	25mm
End Mill Capacity	28mm
Fly Cutter Capacity	80mm
Lathe Motor	3/4 hp
Milling Power	3/4 hp
Power Supply	240volt
Net Weight	300kgs
Dimensions	1570 x 480 x 955mm
Max Distance Spindle to Column	285mm
Stock Code	LAT-CEN800
Price ex vat	£1216.52
Price inc vat	£1399.00



<p>1</p> <p>Economy Live Centre MT3</p>	<p>2</p> <p>Travelling Steady</p>	<p>3</p> <p>Fixed Steady</p>	<p>4</p> <p>125mm 4 Jaw Independent Chuck</p>	<p>5</p> <p>Quick Change Toolpost & 5 Holders</p>	<p>6</p> <p>Stand c/w Tray</p>	<p>7</p> <p>Machine Tray</p>	<p>8</p> <p>125mm 4 Jaw Back Plate</p>
<p>9</p> <p>Vertical Slide</p>	<p>10</p> <p>8"/200mm FacePlate</p>	<p>11</p> <p>Coolant System</p>	<p>12</p> <p>Mounting Block</p>				

CRAFTSMAN LATHE

Includes 2 Axis Digital Read Out



SPECIFICATION

Centre Height	150mm
Swing over Bed	300mm
Swing over Cross Slide	200mm
Swing in Gap	450mm
Distance between Centres	570mm
Width of Bed	190mm
Travel of Carriage	440mm
Spindle Bore	36mm
Spindle Taper	MT5
Spindle Speeds	50-1200 rpm
Number of Speeds	12
Cross Slide Travel	150mm
Compound Slide Travel	100mm
Maximum Tool Size	16mm
Metric Threads	0.25 to 7.5
Imperial Threads	4 to 112 TPI
Feed Range	0.12 - 0.42mm/rev
Tailstock Quill Travel	120mm
Tailstock Taper	MT3
Motor	1.5hp
Power Supply	240volt
Weight with Stand	390kgs
Dimensions (LxWxH)	1370x740x680mm
Stock Code	LAT-CRAF
Price ex vat	£1607.83
Price inc vat	£1849.00

STANDARD ACCESSORIES

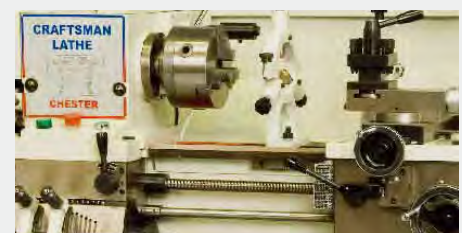
- 3-Jaw Self Centering Chuck 160mm
- Independent 4-Jaw Chuck
- Machine Stand
- Fixed Steady
- Travelling Steady
- 4 Way Toolpost
- 2 x MT3 Steel Centres
- Centre Sleeve MT5-MT3
- Face Plate
- Thread Cutting Dial
- Manual & Parts List
- Rear Splash Guard

FEATURES

- Engineered from High Grade Castings
- Gap Bed
- Independent Feed and Leadscrew
- Cuts Left and Right Hand Threads
- Bedways Hardened and Ground
- Low Voltage Motor Controls
- Carriage Mounted Spindle Control
- Metric/Imperial Dial Graduations
- Back Gear Drive
- Powered Cross Feed
- 'T' Slotted Crossslide

OPTIONAL ACCESSORIES

1  Live centre MT3	2  Backplate 160mm	3  5/8" Indexable Lathe Tools	4  Quick Change Toolpost + 5 Holders	5  Coolant System
6  Soft Jaws for 160mm 3-Jaw Chuck	7  Flexiarm Lamp	8  Drill Chuck & Arbor 1-13mm	9  Vertical Slide	



CRUSADER LATHE

Includes 2 Axis Digital Readout



An exceptional geared head metal lathe. The Chester Crusader offers 810mm between centres and maximum swing of 430mm in the gap. Improved, now with 18 speeds.

SPECIFICATION

Centre Height	150mm
Maximum Swing	300mm
Swing over Cross Slide	178mm
Swing in Gap	430mm
Length of Gap	220mm
Distance between Centres	810mm
Longitudinal Travel	
Longitudinal Travel with Guard	
Width of Bed	185mm
Spindle Bore	38mm
Spindle Taper	MT5
Spindle Nose	Camlock D1-4
Tailstock Quill Travel	100mm
Tailstock Taper	MT3
Cross Slide Travel	160mm
Compound Slide Travel	85mm
Saddle Travel	600mm (with leadscrew guard)
Number of Speeds	18
Range of Speeds	65-1810rpm
Metric Threads	0.4 - 7mm in 26 Steps
Imperial Threads	4-56 TPI in 34 Steps
Saddle Feed Range	0.052 – 1.392mm/rev, in 32 Steps
Cross Feed Range	0.014 – 0.386mm/rev, in 32 Steps
Max. Tool Size	16mm
Motor	1.5 hp
Power	240volt
Net Weight	450kgs
Dimensions (LxWxH)	1780x650x1160mm
Stock Code	LAT-CRUS
Price ex vat	£2564.35
Price inc vat	£2949.00

STANDARD ACCESSORIES

- 3-Jaw Chuck
- 4-Jaw Chuck
- Face Plate
- Fixed Steady
- Travelling Steady
- Splash Guard
- Machine Stand
- Leadscrew Guard
- MT5 – MT3 Sleeve
- Quick Change Toolpost
- Toolholders
- 2 x Steel Centres MT3
- Manual & Parts List
- Machine Lamp
- Foot Switch
- Coolant System.

FEATURES

- D1-4 Camlock Spindle
- Hardened & Ground Bedways
- Independent Leadscrew and Feed Rod
- Gap Bed
- Taper Roller Bearings
- Cast Iron Bed



OPTIONAL ACCESSORIES

1  Live centre MT3	2  Backplate 160mm	3  58° Indexable Lathe Tools
4  Soft Jaws for 160mm 3-Jaw Chuck	5  Drill Chuck & Arbor 1-13mm	6  Vertical Slide

CUBLATHE

Includes 2 Axis Digital Readout



FEATURES

- Hardened and Ground Bedways
- Gap Bed
- Inch-Metric Dials
- Independent Leadscrew and Feed Rod
- Foot Operated Spindle Brake
- Bed Stop

STANDARD ACCESSORIES

- 3-Jaw Chuck 150mm
- 4-Jaw Chuck 200mm
- Face Plate 290mm
- Accuracy Report
- Drive Plate
- Live Centre
- Fixed Steady
- Travelling Steady
- Built in Coolant System
- Low Volt Halogen Work Light
- Rear Splash Guard
- Interlocked Chuck Guard
- Leadscrew Guard
- Manual & Parts List

OPTIONAL ACCESSORIES



SPECIFICATION

Model	620	630
Swing over Bed	300mm	300mm
Swing over Cross Slide	180mm	180mm
Gap Length	182mm	182mm
Distance between Centres	500mm	750mm
Centre Height	150mm	150mm
Motor	1½ hp 240v/415v	1½ hp 240v/415v
Spindle Bore	38mm	38mm
Spindle Nose – Camlock	D1-5	D1-5
Speed range (9)	60-2000 rpm	60-2000 rpm
Imperial Pitches	4 -72 TPI	4 -72 TPI
Metric Pitches	0.25-9.0mm	0.25-9.0mm
Longitudinal Feed	0.03-0.423mm	0.03-0.423mm
Cross Slide Travel	160mm	160mm
Top Slide Travel	82mm	82mm
Tail Stock Quill Diameter	38mm	38mm
Tail Stock Quill Travel	75mm	75mm
Tail Stock Quill Taper	MT3	MT3
Length	1400mm	1650mm
Width	680mm	680mm
Height	1200mm	1200mm
Weight	480kgs	500kgs
Swing in Gap	430mm	430mm
Spindle Taper	MT5	MT5
Stock Code -240volt	LAT-CUB-001	LAT-CUB-002
Stock Code - 415volt	LAT-CUB-003	LAT-CUB-004
Price ex vat	£2765.11	£2834.00
Price inc vat	£3249.00	£3330.00

Delivery by Quotation

COVENTRY LATHE

Includes 2 Axis Digital Readout



FEATURES

- Hardened & Ground Bedways
- Camlock Spindle Mount
- Large Spindle Bore
- Footbrake
- Precision Taper Roller Bearings
- Double 'Vee' Bedway
- Removable Swarf Tray

SPECIFICATION

Model	500	750	1000
Swing over Bed	330mm	330mm	330mm
Swing over Crossslide	198mm	198mm	198mm
Swing in Gap	476mm	476mm	476mm
Centre Height	166mm	166mm	166mm
Length of Gap	200mm	200mm	200mm
Distance between Centres	500mm	750mm	1000mm
Bed Width	187mm	187mm	187mm
Bed Height	290mm	290mm	290mm
Motor	1.5kw	1.5kw	1.5kw
Power	240volt	240volt	240volt
Spindle Bore	38mm	38mm	38mm
Spindle Mount	D1-4 Camlock	D1-4 Camlock	D1-4 Camlock
Spindle Speed	70-2000rpm	70-2000rpm	70-2000rpm
Cross Slide Travel	180mm	180mm	180mm
Leadscrew Diameter	22mm	22mm	22mm
Feedrod Diameter	19mm	19mm	19mm
Max: Tool Size	16mm	16mm	16mm
Imperial Threads	3 - 80tpi	3 - 80tpi	3 - 80tpi
Metric Threads	0.45-10mm	0.45-10mm	0.45-10mm
Diametral Pitch Thread	7-160 D.P.	7-160 D.P.	7-160 D.P.
Module Thread	0.25 - 5 M.P.	0.25 - 5 M.P.	0.25 - 5 M.P.
Longitudinal Feed	0.067-1.019 mm/r	0.067-1.019 mm/r	0.067-1.019 mm/r
Cross Feed	0.018-0.275mm/r	0.018-0.275mm/r	0.018-0.275mm/r
Tailstock Taper	MT3	MT3	MT3
Tailstock Quill Diameter	32mm	32mm	32mm
Net Weight	400kgs	450kgs	495kgs
Overall Size	1350x750x1230mm	1600x750x1230mm	1800x750x1230mm
Tailstock Travel	100mm	100mm	100mm
Top Slide Travel	68mm	68mm	68mm
Stock Code -240volt	LAT-COV-001	LAT-COV-003	LAT-COV-005
Stock Code - 415volt	LAT-COV-002	LAT-COV-004	LAT-COV-006
Price ex vat	£2376.62	£2673.00	£3085.00
Price inc vat	£2789.00	£3140.77	£3624.88

Delivery by Quotation

STANDARD ACCESSORIES

- MT3 Steel Centres
- 3-Jaw Chuck.
- Tool Box
- 4-Way Toolpost
- MT5 - MT3 Centre Sleeve
- Manual & Parts List
- Coolant System
- Interlocked Chuck Guard
- Fixed Steady
- Travelling Steady
- Foot Brake
- Face Plate
- 4-Jaw Chuck

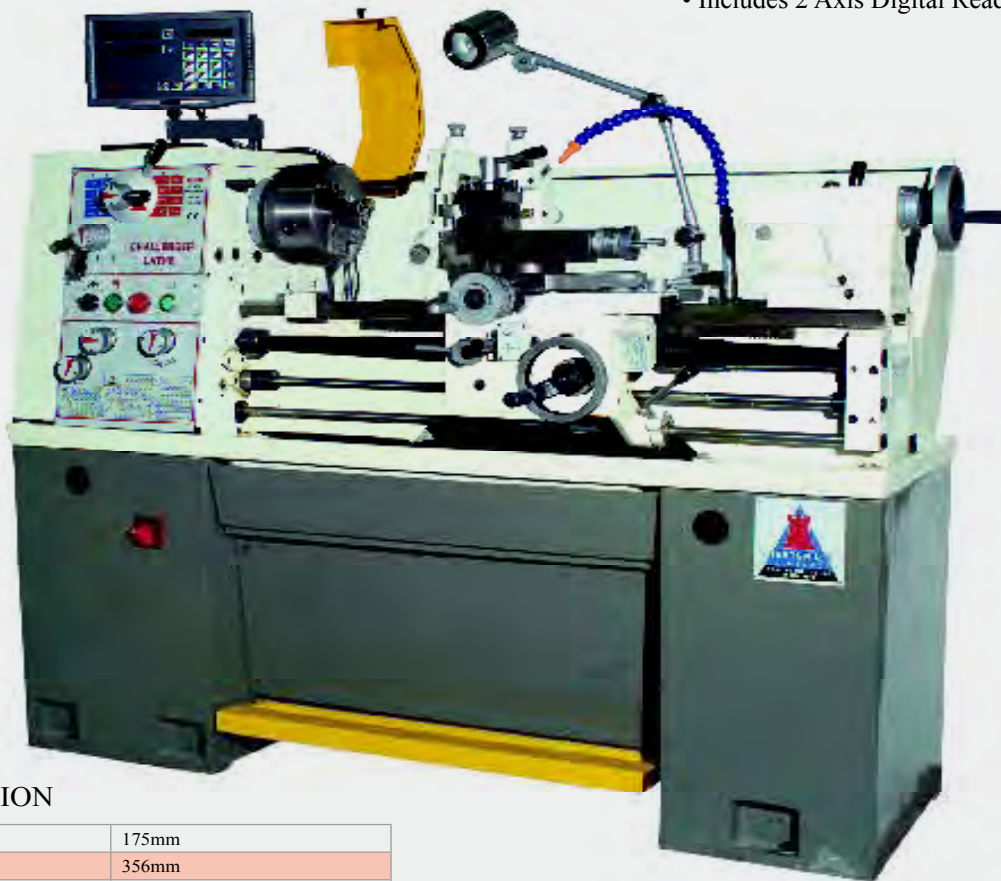
OPTIONAL ACCESSORIES

1  Live centre MT3	2  Vertical Slide	3  58" Indexable Lathe Tools
4  160mm 4-Jaw Self Centring Chuck	5  Soft Jaws for 160mm 3-Jaw Chuck	6  Quick Change Toolpost + 5 Holders
7  Drill Chuck & Arbor 1-13mm		



CHALLENGER LATHE

• Includes 2 Axis Digital Readout



SPECIFICATION

Centre Height	175mm
Swing over Bed	356mm
Swing over Cross Slide	200mm
Swing through Gap	506mm
Distance between Centres	750/1000mm
Spindle Bore	38mm
Spindle Mount	D1-4
Headstock Spindle Taper	MT5
Number of Spindle Speeds	16
Range of Spindle Speeds	45 – 1800rpm
Speeds	45, 70, 90, 108, 140, 165, 215, 330, 255, 385, 510, 585, 770, 900, 1170, 1800 rpm
Number of Inch Threads:	28
Range of Inch Threads	4 - 56TPI
Number of Metric Threads	35
Range of Metric Threads	0.4 – 7mm
Number of Longitudinal Feeds	42
Range of Longitudinal Feeds	0.043 – 0.653mm / rev
Number of Cross Feeds	42
Range of Cross Feeds	0.015 – 0.220mm / rev
Max: Compound Slide Travel	95mm
Max: Cross Slide Travel	180mm
Max: Tool Size	16mm
Max: Carriage Travel	730mm (with leadscrew guard fitted)
Tailstock Spindle Travel	125mm
Taper in Tailstock Spindle	MT3
Width of Bed	210mm
Motor	3hp
Power Supply	415V
Overall Dimensions (LxWxH)	1890x760x1200mm
Net Weight	750kgs
Stock Code - 750mm	LAT-CHAL-750
Stock Code - 1000mm	LAT-CHAL-1000
Price ex vat - 750mm	£3414.47
Price ex vat - 1000mm	£3778.72
Price inc vat - 750mm	£4012.00
Price inc vat - 1000mm	£4440.00

Delivery by Quotation

STANDARD ACCESSORIES

- 200mm 3-Jaw Chuck
- 200mm 4-Jaw Chuck
- 300mm Face Plate
- Live Centre
- Fixed Steady
- Travelling Steady
- Coolant System
- Halogen Work Light
- Manual & Parts List
- Accuracy Report
- Camlock Spindle
- 2 Axis Digital Readout

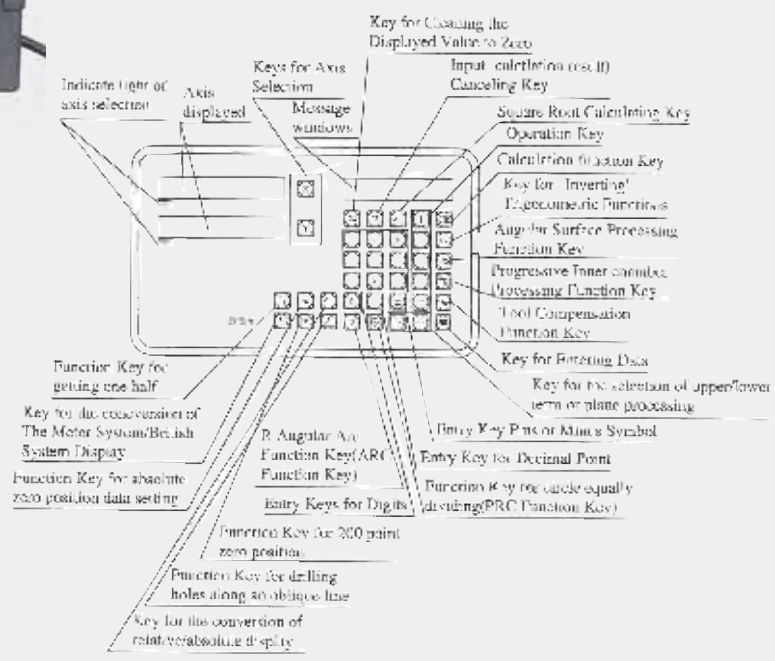
FEATURES

- Removable Swarf Tray
- Large Range of Speeds
- Rigid Construction
- Optional Taper Turning Attachment
- Bed Stop
- Jog Facility

OPTIONAL ACCESSORIES

1  Live centre MT3	2  Backplate 200mm	3  5/8" Indexable Lathe Tools	4  160mm 4-Jaw Self Centring Chuck
5  Soft Jaws for 160mm 3-Jaw Chuck	6  Quick Change Toolpost + 5 Holders	7  Drill Chuck & Arbor 1-13mm	8  Vertical Slide

CHESTER DRO SYSTEMS



The Chester SDS2MS Digital Readout is an advanced system providing a high level of features at a very affordable cost. Each system provides the user with: Display Unit, 2 Linear Glass Scale Encoders, Fitting Kit and Full User Instruction Manual. For milling there are 2 main models to choose from, either 2 axis or three axis, both with the same functions whilst for lathes there is a 2 axis system. All Display units are interchangeable between different machines making the Chester SDS2MS system extremely versatile. These systems are available to be retrofitted to a wide range of machine tools and applications. In the modern day engineering workshop accuracy and repeatability have become essential requirements, which can only be enhanced by using the Chester Digital Readout System.

FEATURES

- Metric/ Inch Conversion
- PCD hole positioning on circumference
- Power down memory
- Tool Diameter Compensation
- Power Interruption Memory
- Linear Error Compensation
- Radius Arc Calculation
- Function Calculator
- Inclined Plane Processing
- Progressive processing and calculation of internal cavity of rectangle
- Absolute/relative conversion
- Cutting tool diameter compensation
- Mid-splitting function





CHIEFTAIN LATHE



shown with optimal quick change toolpost

FEATURES

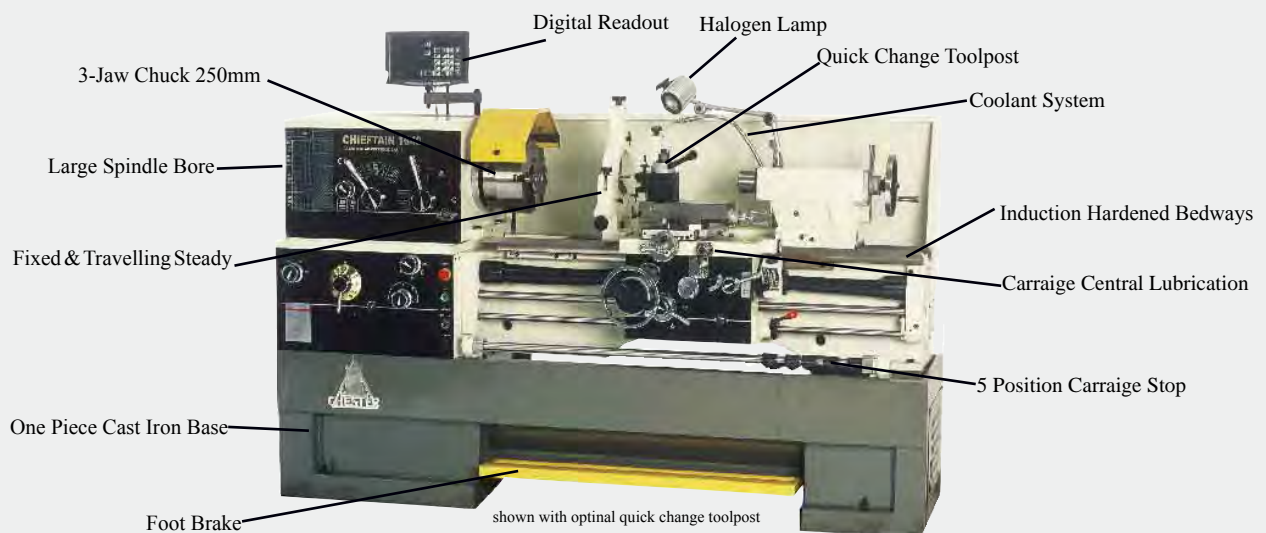
- Hardened and Ground Gears
- Induction Hardened Bedways
- Wide Carriage for Stability
- Multi Position Longitudinal Stop
- Large Spindle Bore
- Foot Brake

STANDARD ACCESSORIES

- 2 Axis Digital Readout
- 3-Jaw Chuck
- Halogen Lamp
- Face Plate
- Fixed Steady
- Travelling Steady
- 4-Jaw Chuck
- Coolant System
- Chuck & Leadscrew Guard
- Live Centre
- Steel Centres
- Reducing Sleeve
- Foot Brake

OPTIONAL ACCESSORIES

- Taper Turning Attachment
- Quick Change Toolpost
- Tailstock Drill Chuck



CHIEFTAIN LATHE

Model	1640	1660	1840	1860	1880	2640	2660	2620	2630
Distance between Centres	1000mm	1500mm	1000mm	1500mm	2000mm	1000mm	1500mm	2000mm	3000mm
Centre Height	210mm	210mm	230mm	230mm	230mm	330mm	330mm	330mm	330mm
Maximum Swing	425mm	425mm	460mm	460mm	460mm	660mm	660mm	660mm	660mm
Swing over Crossslide	250mm	250mm	290mm	290mm	290mm	420mm	420mm	420mm	420mm
Swing in Gap	640mm	640mm	700mm	700mm	700mm	870mm	870mm	870mm	870mm
Length of Cap	310mm	310mm	310mm	310mm	310mm	240mm	240mm	240mm	240mm
Bed Width	340mm	340mm	340mm	340mm	340mm	405mm	405mm	405mm	405mm
Spindle Bore	80mm	80mm	80mm	80mm	80mm	105mm	105mm	105mm	105mm
Spindle Taper	MT7	MT7	MT7	MT7	MT7	Ø130mm 1:20	Ø130mm 1:20	Ø130mm 1:20	Ø130mm 1:20
Spindle Nose – Camlock	D1-8	D1-8	D1-8	D1-8	D1-8	D1-8	D1-8	D1-8	D1-8
Tailstock Quill Diameter	75mm	75mm	75mm	75mm	75mm	75mm	75mm	75mm	75mm
Tailstock Taper	MT4	MT4	MT4	MT4	MT4	MT5	MT5	MT5	MT5
Cross Slide Travel	275mm	275mm	275mm	275mm	275mm	310mm	310mm	310mm	310mm
Compound Slide Travel	140mm	140mm	140mm	140mm	140mm	145mm	145mm	145mm	145mm
Max. Tool Size	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm
Number of Speeds	12	12	12	12	12	12	12	12	12
Range of Speeds	25-1800rpm	25-1800rpm	25-1800rpm	25-1800rpm	25-1800rpm	36-1600rpm	36-1600rpm	36-1600rpm	36-1600rpm
Leadscrew Pitch	6mm	6mm	6mm	6mm	6mm				
Cross Screw Pitch	4mm	4mm	4mm	4mm	4mm	5mm	5mm	5mm	5mm
Longitudinal Feeds	0.041-2.476mm/rev	0.041-2.476mm/rev	0.041-2.476mm/rev	0.041-2.476mm/rev	0.041-2.476mm/rev	0.028-6.43mm/rev	0.028-6.43mm/rev	0.028-6.43mm/rev	0.028-6.43mm/rev
Cross Feeds	0.016-0.991mm/rev	0.016-0.991mm/rev	0.016-0.991mm/rev	0.016-0.991mm/rev	0.016-0.991mm/rev	0.012-2.73mm/rev	0.012-2.73mm/rev	0.012-2.73mm/rev	0.012-2.73mm/rev
Metric Threads	0.5-20mm 23 steps	0.5-20mm 23 steps	0.5-20mm 23 steps	0.5-20mm 23 steps	0.5-20mm 23 steps	1-14mm 22 steps	1-14mm 22 steps	1-14mm 22 steps	1-14mm 22 steps
Imperial Threads	1.625-72 TPI 65 steps	1.625-72 TPI 65 steps	1.625-72 TPI 65 steps	1.625-72 TPI 65 steps	1.625-72 TPI 65 steps	2-28TPI 25 steps	2-28TPI 25 steps	2-28TPI 25 steps	2-28TPI 25 steps
Module Threads	0.25-10/24 steps	0.25-10/24 steps	0.25-10/24 steps	0.25-10/24 steps	0.25-10/24 steps	0.5-7mm 18 steps	0.5-7mm 18 steps	0.5-7mm 18 steps	0.5-7mm 18 steps
Diametric Threads	3.625-96DP 45 steps	3.625-96DP 45 steps	3.625-96DP 45 steps	3.625-96DP 45 steps	3.625-96DP 45 steps	4-56DP 24 steps	4-56DP 24 steps	4-56DP 24 steps	4-56DP 24 steps
Motor	7½ hp	7½ hp	7½ hp	7½ hp	7½ hp	10hp	10hp	10hp	10hp
Power Supply	415v	415v	415v	415v	415v	415v	415v	415v	415v
Net Weight	2488kgs	2588kgs	2688kgs	2838kgs	3055kgs	2500kgs	2700kgs	3000kgs	3350kgs
Dimensions (LXVXH)	2300x1000x1320mm	2800x1000x1320mm	2300x1000x1340mm	2800x1000x1340mm	3320x1000x1340mm	2500x1100x1450mm	3000x1100x1450mm	3500x1100x1450mm	4500x1100x1450mm

BOXER LATHE



BOXER1640 Lathe

FEATURES

- Induction Hardened Bedways
- Mono-Block Cast Base
- Wide Carriage for Stability
- Multi Position Longitudinal Stop
- 3-Point Spindle Bearings
- Simple to Operate
- Foot Brake

STANDARD ACCESSORIES

- 2 Axis Digital Readout
- 3-Jaw Chuck
- Halogen Lamp
- Face Plate
- Fixed Steady
- Travelling Steady
- 4-Jaw Chuck
- Coolant System
- Chuck & Leadscrew Guard
- Live Centre
- Steel Centres
- Reducing Sleeve
- Foot Brake

OPTIONAL ACCESSORIES

- Machine Mounts
- Quick Change Toolpost
- Tailstock Drill Chuck

SPECIFICATION

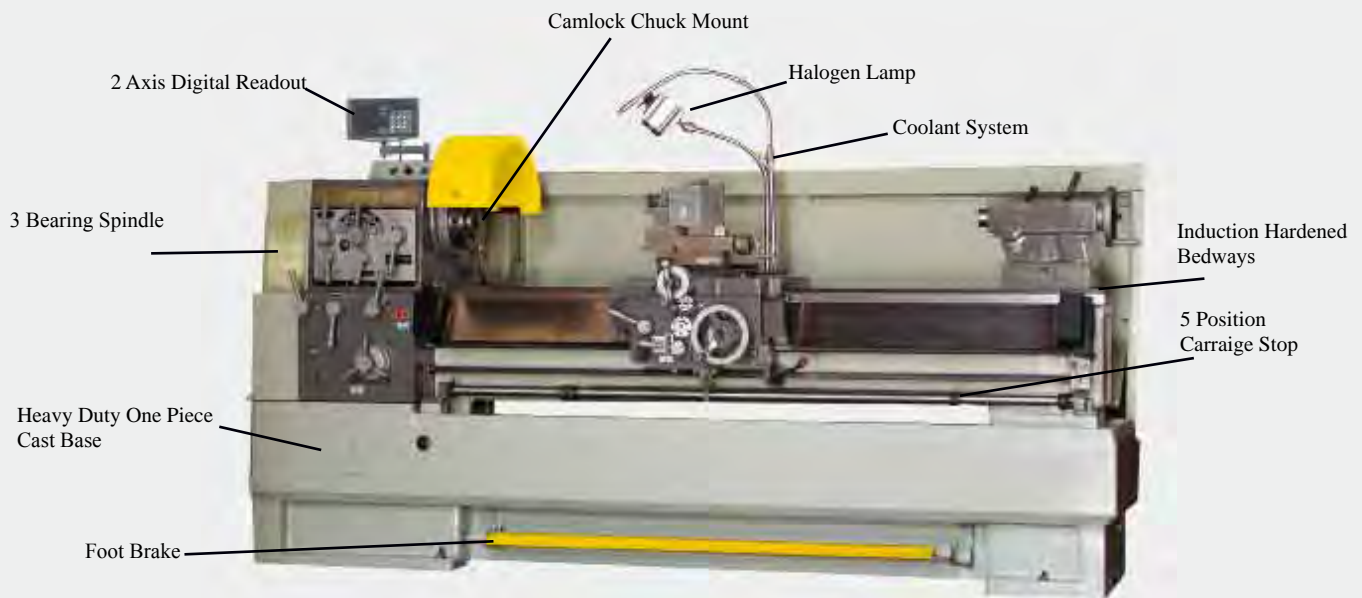
Model	1640	1740	1760	2040	2060
Swing over Bed	410mm	425mm	425mm	510mm	510mm
Swing over Crossslide	258mm	240mm	240mm	320mm	320mm
Distance between Centres	1000mm	1000mm	1500mm	1000mm	1500mm
Swing in Gap	580mm	650mm	650mm	734mm	734mm
Width of Gap	250mm	275mm	275mm	275mm	275mm
Width of Bed	274mm	300mm	300mm	300mm	300mm
Spindle Nose	D6	D6	D6	D6	D8
Spindle Bore Diameter	52mm	57mm	57mm	57mm	82mm
Spindle Taper	MT6	MT6	MT6	MT6	MT6
Spindle Speed	33-2000rpm	20-2000rpm	20-2000rpm	20-2000rpm	15-1500rpm
Inch Thread	4-56TPI	2-56TPI	2-56TPI	2-56TPI	2-56TPI
Metric Thread	0.5-7mm	0.5-14mm	0.5-14mm	0.5-14mm	0.5-14mm
Longitudinal Feed	0.08-1.15mm/rev	0.06-0.82mm/rev	0.06-0.82mm/rev	0.06-0.82mm/rev	0.06-0.82mm/rev
Cross Feed	0.06-0.92mm/rev	0.02-0.29mm/rev	0.02-0.29mm/rev	0.02-0.29mm/rev	0.02-0.29mm/rev
Lead Screw Diameter	28mm	35mm	35mm	35mm	35mm
Leadscrew Pitch	6mm or 4TPI	6mm or 4TPI	6mm or 4TPI	6mm or 4TPI	6mm or 4TPI
Tailstock Taper	MT4	MT4	MT4	MT4	MT4
Crossslide Travel	220mm				
Topslide Travel	100mm				
Tailstock Quill Travel	100mm	127mm	127mm	127mm	127mm
Tailstock Quill Diameter	52mm	58mm	58mm	58mm	127mm
Motor	5.5Kw	5.5Kw	5.5Kw	5.5Kw	7.5Kw
Coolant Pump Motor	0.1Kw	0.1Kw	0.1Kw	0.1Kw	0.1Kw
Net Weight	1400kgs	1700kgs	1800kgs	1700kgs	1800kgs
Dimensions	2280x1120x1700mm	2320x1120x1700mm	2320x1120x1700mm	2320x1120x1700mm	2880x1120x1700mm

BOXER LATHE



shown with optional quick change toolpost

BOXER 2060 Lathe



BOXER1760 Lathe

BOXER VARI-SPEED LATHE



SPECIFICATION

Model	BOXER 1640VS
Swing over Bed	410mm
Swing over Crossslide	258mm
Distance Between Centres	1000mm
Swing in Gap	580mm
Width of Gap	250mm
Width of Bed	274mm
Spindle Nose	Camlock D-6
Spindle Bore	52mm
Spindle Taper	MT6
Spindle Speed Range – Low	40 – 480rpm (stepless)
Spindle Speed Range – High	240 – 2300rpm (stepless)
Leadscrew Pitch	4TPI
Threading – Inch	4-56 T.P.I.
Threading – Metric	0.5 – 7mm
Longitudinal Feed Range	0.083 – 1.15mm
Cross Feed Range	0.066 – 0.092mm
Tailstock Taper	MT4
Tailstock Sleeve Travel	100mm
Tailstock Spindle Diameter	52mm
Motor	5.5kw / 7.5hp
Coolant Pump	0.1kw
Dimensions	2135 x 760 x 1470mm
Net Weight	1400kgs

FEATURES

- Variable Spindle Speed
- Cast Stand
- Stop Bar
- Safety Brake
- 3 Bearing Headstock
- Quick Change Toolpost
- Digital Readout

STANDARD ACCESSORIES

- 3 –Jaw Chuck
- 4-Jaw Chuck
- Face Plate
- 2 Axis Digital Readout
- Halogen Lamp
- Coolant System
- Foot Brake
- Headstock Sleeve
- Quick Change Toolpost
- 5 Square Toolholders
- Variable Speed
- Leadscrew Guard
- Chuck Guard
- Manual and Parts List

OPTIONAL ACCESSORIES

- Live Centre
- Taper Turning Attachment



Variable Speed & Digital Readout

BOXER VARI-SPEED/CSS LATHE



CSS Constant Surface Speed -
 “Machine automatically adjusts spindle speed
 to maintain correct cutting speed.”



SPECIFICATION

Model	BOXER1640CSS
Swing over Bed	410mm
Swing over Crossslide	258mm
Distance Between Centres	1000mm
Swing in Gap	580mm
Width of Gap	250mm
Width of Bed	274mm
Spindle Nose	Camlock D-6
Spindle Bore	52mm
Spindle Taper	MT6
Spindle Speed Range – Low	40 – 480rpm (stepless)
Spindle Speed Range – High	240 – 2300rpm (stepless)
Leadscrew Pitch	4TPI
Threading – Inch	4-56 T.P.I.
Threading – Metric	0.5 – 7mm
Longitudinal Feed Range	0.083 – 1.15mm
Cross Feed Range	0.066 – 0.092mm
Tailstock Taper	MT4
Tailstock Sleeve Travel	100mm
Tailstock Spindle Diameter	52mm
Motor	5.5kw / 7.5hp
Coolant Pump	0.1kw
Dimensions	2135 x 760 x 1470mm
Net Weight	1400kgs

FEATURES

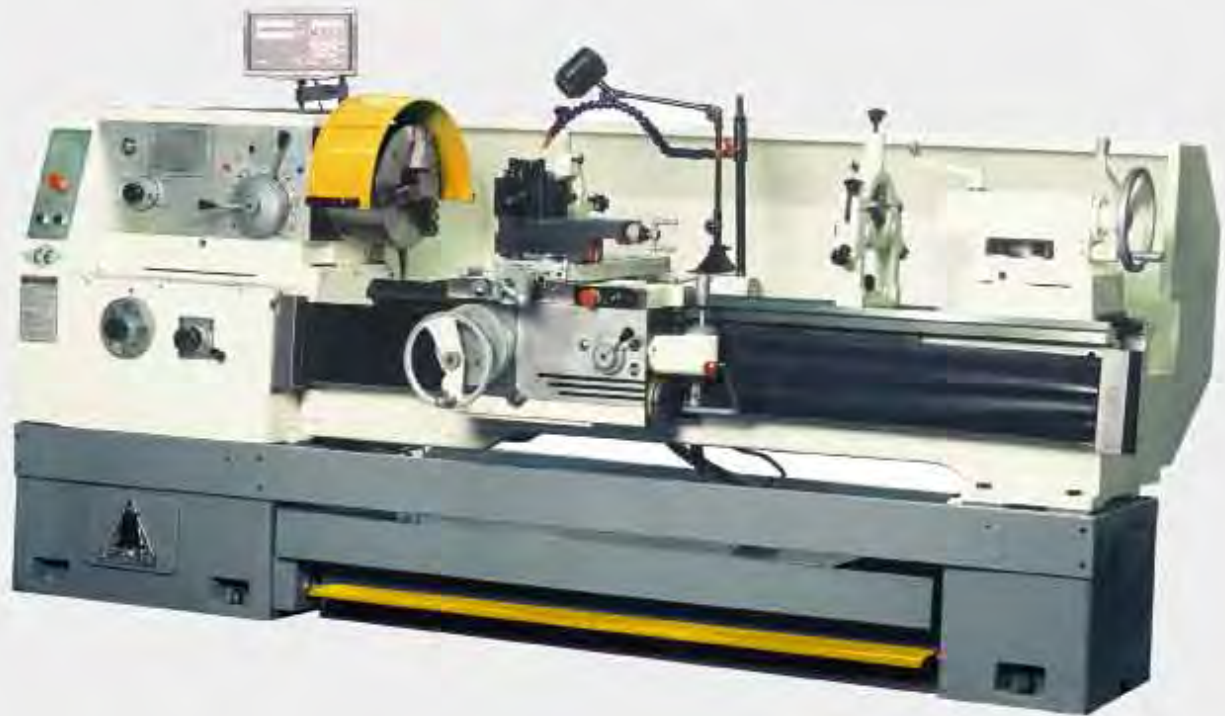
- Variable Spindle Speed
- Cast Stand
- Stop Bar
- Safety Brake
- 3 Bearing Spindle
- Quick Change Toolpost
- Digital Readout
- CSS Constant Surface Speed - Machine automatically adjusts spindle speed to maintain correct cutting speed.

STANDARD ACCESSORIES

- CSS Constant Surface Speed
- 3-Jaw Chuck
- 4-Jaw Chuck
- Face Plate
- Halogen Lamp
- Coolant System
- Foot Brake
- Headstock Sleeve
- Quick Change Toolpost
- 5 Square Toolholders
- Variable Speed
- Leadscrew Guard
- Chuck Guard
- Manual and Parts List



VALIANT LATHE



FEATURES

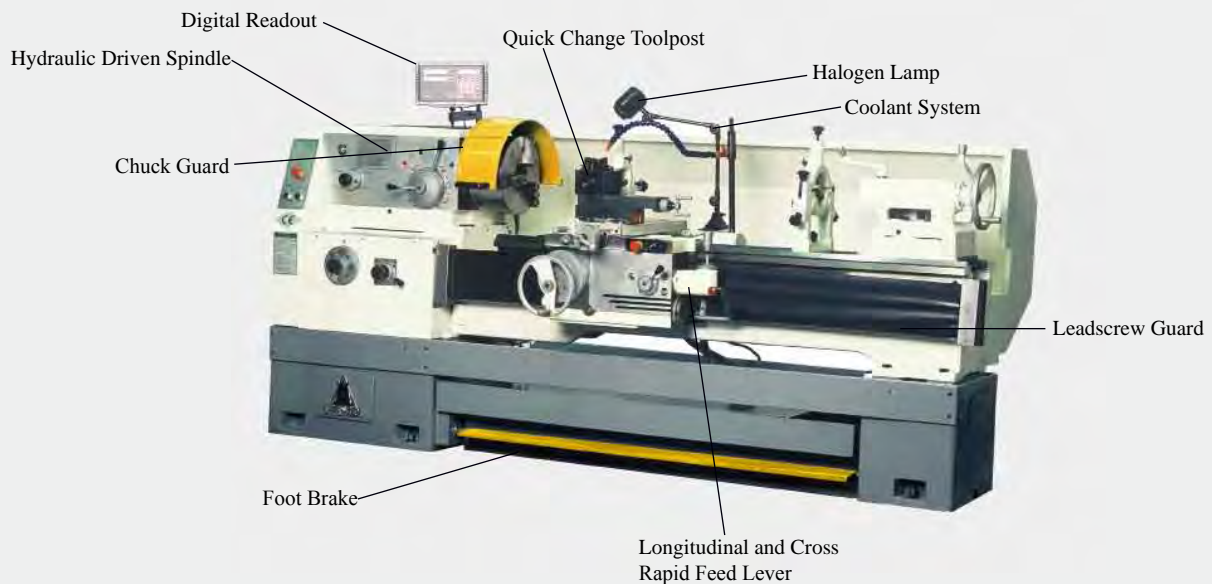
- Large Spindle Bore
- Carriage Controls
- Foot Brake
- Large HP Motor

STANDARD ACCESSORIES

- 3-Jaw Chuck
- 4-Jaw Chuck
- Face Plate
- Fixed Steady
- Travelling Steady
- Coolant System
- Halogen Lamp
- Reducing Sleeve
- Steel Centres
- Chuck & Leadscrew Guards
- Live Centre
- 2 Axis Digital Readout

OPTIONAL ACCESSORIES

- Taper Turning Attachment
- Quick Change Toolpost
- Tailstock Drill Chuck



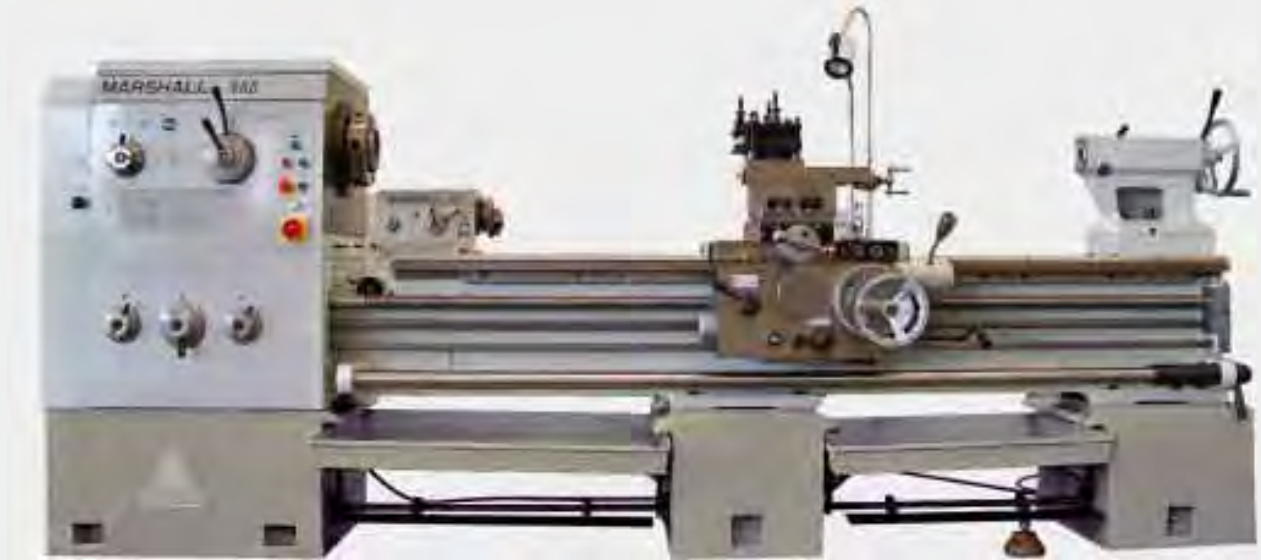
VALIANT LATHE



Model	Valiant 2061	Valiant 3061	Valiant 1566	Valiant 2066	Valiant 3066
Swing over Bed	610mm	610mm	660mm	660mm	660mm
Swing over Carriage	370mm	370mm	400mm	660mm	660mm
Swing over Gap	830mm	830mm	870mm	870mm	870mm
Length of Gap	210mm	210mm	210mm	210mm	210mm
Distance between Centres	2000mm	3000mm	1500mm	2000mm	3000mm
Width of Bed	400mm	400mm	400mm	400mm	400mm
Speed Range	10-1400rpm 24 steps	10-1400rpm 24 steps	10-1400rpm 24 steps	10-1400rpm 24 steps	10-1400rpm 24 steps
Spindle Bore	80mm	80mm	80mm	80mm	80mm
Spindle Taper(Camlock)	D1-8	D1-8	D1-8	D1-8	D1-8
Number of Feeds	64	64	64	64	64
Range of Feeds-Normal	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev
Range of Feeds- Fine	0.028-0.11mm/rev	0.028-0.11mm/rev	0.028-0.11mm/rev	0.028-0.11mm/rev	0.028-0.11mm/rev
Range of Feeds- Coarse	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev
Metric Thread Range	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps
Imperial Thread Range	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps
Diametrial Range	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps
Module Thread Range	0.25-48	0.5-120	0.25-48	0.25-48	0.25-48
Longitudinal Rapid Feed	4mm/min	4mm/min	4mm/min	4mm/min	4mm/min
Cross Slide Travel	420mm	420mm	420mm	420mm	420mm
Compound Slide Travel	140mm	140mm	140mm	140mm	140mm
Tailstock Quill Travel	150mm	150mm	150mm	150mm	150mm
Tailstock Quill Diameter	75mm	75mm	75mm	75mm	75mm
Motor	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp
Net Weight	2787kgs	3287kgs	2492kgs	2842kgs	3542kgs
Dimensions	3668x1130x1367mm	4668x1130x1367mm	3168x1130x1392mm	3668x1130x1392mm	4668x1130x1392mm

Model	Valiant 1500	Valiant 1500B	Valiant 2000	Valiant 2000B	Valiant 1561
Swing over Bed	500mm	500mm	500mm	500mm	610mm
Swing over Carriage	300mm	300mm	300mm	300mm	370mm
Swing over Gap	720mm	720mm	720mm	720mm	830mm
Length of Gap	210mm	210mm	210mm	210mm	210mm
Distance between Centres	1500mm	1500mm	2000mm	2000mm	1500mm
Width of Bed	400mm	400mm	400mm	400mm	400mm
Speed Range	10-1400rpm 24 steps	14-1250rpm 24 steps	10-1400rpm 24 steps	14-1250rpm 24 steps	10-1400rpm 24 steps
Spindle Bore	80mm	104mm	80mm	104mm	80mm
Spindle Taper(Camlock)	D1-8	D1-11	D1-8	D1-11	D1-8
Number of Feeds	64	64	64	64	64
Range of Feeds-Normal	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev	0.11-1.6mm/rev
Range of Feeds- Fine	0.028-0.11mm/rev	0.028- 0.11mm/rev	0.028-0.11mm/rev	0.028-0.11mm/rev	0.028-0.11mm/rev
Range of Feeds- Coarse	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev	1.76-6.4mm/rev
Metric Thread Range	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps	1-192mm 44 steps
Imperial Thread Range	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps	1/2-24T.P.I. 26 steps
Diametrial Range	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps	1/2-96D.P. 32 steps
Module Thread Range	0.25-48	0.25-48	0.25-48	0.25-48	0.25-48
Longitudinal Rapid Feed	4mm/min	4mm/min	4mm/min	4mm/min	4mm/min
Cross Slide Travel	320mm	320mm	320mm	320mm	420mm
Compound Slide Travel	140mm	140mm	140mm	140mm	140mm
Tailstock Quill Travel	150mm	150mm	150mm	150mm	150mm
Tailstock Quill Diameter	75mm	75mm	75mm	75mm	75mm
Motor	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp	7.5Kw 10hp
Net Weight	2300kgs	2300kgs	2650kgs	2650kgs	2437kgs
Dimensions	3350x1250 x1380mm	3350x1250 x1380mm	3850x1520 x1380mm	3850x1520 x1380mm	3168x1130 x1367mm

MARSHALL LATHE



SPECIFICATION

Model	MARSHALL 660	MARSHALL 800
Max. swing dia. over bed	660mm	800mm
Max. swing dia. over cross slide	420mm	560mm
Max. turning diameter	400mm	540mm
Max. swing dia. over gap	870mm	1000mm
Effective length in gap	240mm	240mm
Max. workpiece length	1000/1500/2000/3000mm	2000/3000mm
Max. turning length	950/1450/1950/2950mm	1950/2950mm
Spindle bore diameter	105mm	105mm
Taper of spindle bore	1:20 113	1:20 113
Typ of spindle nose	ISO 702/II No.8 Short cam-lock type	ISO 702/II No.8 Short cam-lock type
Spindle speeds	12 steps 36-1600 r/min	12 steps 30-1400 r/min
Max. travel of upper toolpost	145mm	145mm
Max. travel of lower toolpost	310mm	320mm
Tool section	25x25mm	25x25mm
X-axis feedrate	50Hz:1.9; 60Hz:2.3m/min	50Hz:1.9; 60Hz:2.3m/min
Z-axis feedrate	50Hz:4.5; 60Hz:5.4m/min	50Hz:4.5; 60Hz:5.4m/min
X-axis feeds	65 kinds 0.027-1.07mm/r	65 kinds 0.027-1.07mm/r
Z-axis feeds	65 kinds 0.063-2.52mm/r	65 kinds 0.063-2.52mm/r
Metric threads	22 kinds 1-14mm	22 kinds 1-14mm
Inch threads	25 kinds 28-2 t.p.i	25 kinds 28-2 t.p.i
Module threads	18 kinds 0.5-7 []mm	18 kinds 0.5-7 []mm
Diametric pitch threads	24 kinds 4-56 DP	24 kinds 4-56 DP
Diameter of quill	75 mm	90 mm
Max.travel of quill	150mm	150mm
Taper of quill(morse)	Morse No.5	Morse No.5
Main motor power	7.5 kw	7.5 kw
Rapid travel motor power	0.25 kw	0.37kw
Coolant pump motor power	0.12 kw	0.12 kw
Length	2632/3132/3632/4632 mm	3565/4565 mm
Width	975mm	1340mm
Height	1450mm	1490mm
Weight	2200/2400/2600/3000 kgs	3000/3200 kgs

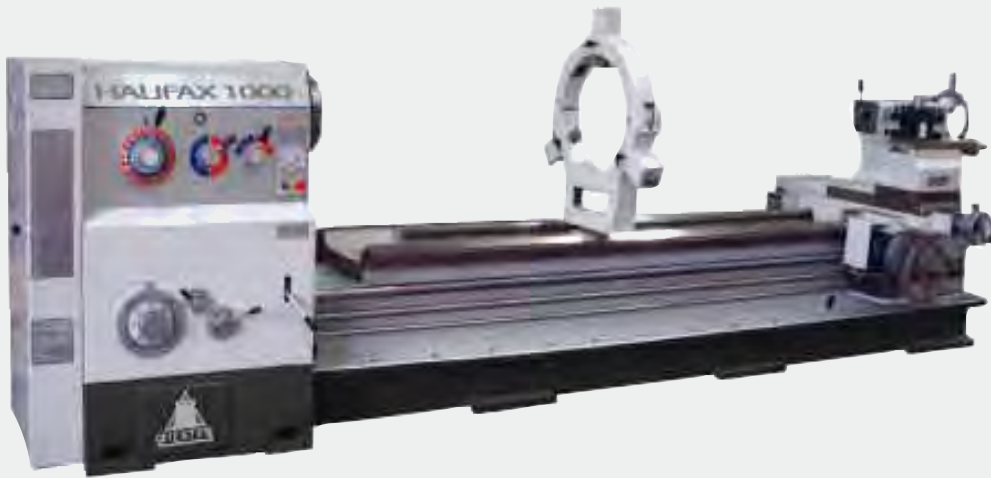
STANDARD ACCESSORIES

- 3-Jaw Chuck and Adaptor
- 4-Jaw Chuck and Adaptor
- Face Plate, Drive Plate
- Footbrake
- Chip Guard
- Work Light
- Coolant

OPTIONAL ACCESSORIES

- Taper Turning Attachment
- Live Center
- Quick Change Toolpost
- European Quick Change Toolpost
- Follow Rest
- Steady Rest
- Large Diameter Steady Rest

HALIFAX LATHE



FEATURES

- Hardened and Ground Guideways
- Low Spindle Speeds
- Large Spindle Bore
- Motorised Saddle
- Heavy Duty Construction
- Gap Bed



SPECIFICATION

Model	Halifax 630	Halifax 830	Halifax 1000
Swing over Bed	620mm	830mm	1030mm
Swing over Carriage	350mm	550mm	700mm
Swing over Gap	800mm	1000mm	1200mm
Length of Gap	300mm	300mm	380mm
Distance between Centres	1000,1500,2000,3000,4500,6000mm	1000,1500,2000,3000,4500,6000mm	1500,2000,3000,4500,6000mm
Width of Bed	550mm	550mm	610mm
Speed Range	10-800rpm	10-800rpm	10-800rpm
Number of Speeds	18	18	18
Spindle Bore	105,130mm	105,130mm	105mm,130mm
Spindle Taper	D11	D11	D11
Metric Thread Range	1-240mm/53kinds	1-240mm/53kinds	1-240mm/53kinds
Whitworth Thread Range	30-2tpi/31kinds	30-2tpi/31kinds	30-2tpi/31kinds
Module Thread Range	0.25-60mm/47kinds	0.25-60mm/47kinds	0.25-60mm/47kinds
Diametral Pitch Thread	60-1/2tpi/47kinds	60-1/2tpi/47kinds	60-1/2tpi/47kinds
Cross Slide Travel	350mm	550mm	700mm
Compound Slide Travel	225mm	225mm	225mm
Tailstock Quill Travel	260mm	260mm	260mm
Tailstock Taper	MT5	MT5	MT6
Motor Power	11kw	11kw	11kw
Net Weight	4500,5000,5500,6200,7300,8300kgs	4500,5000,5500,6200,7300,8300kgs	5900kg
Dimensions	3390,3795,4330,5310,6810,8310x1400x2000mm	3390,3795,4330,5310,6810,8310x1400x2000mm	3840,4340,5170,6670,8290x1700x1980mm

STANDARD ACCESSORIES

- 3-Jaw Chuck
- 4-Jaw Chuck
- Face Plate
- Fixed Steady
- Travelling Steady
- Coolant System
- Halogen Lamp

OPTIONAL ACCESSORIES

- Digital Readout
- Taper Turning Attachment



STIRLING LATHE

FEATURES

- Wide bed
- Large Spindle Bore
- Heavy Duty Construction
- Precision Spindle Bearing
- Powered Topslide

STANDARD ACCESSORIES

- 4-Jaw Chuck
- 4-Way Toolpost
- Rotary Tailstock
- Manual and Parts List

OPTIONAL ACCESSORIES

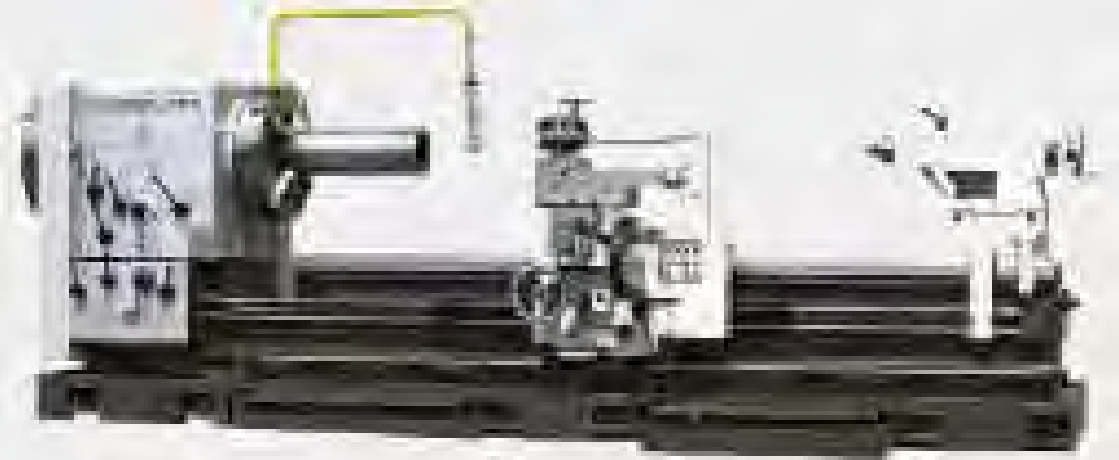
- Steadies
- Digital Readout
- Taper Turning Attachment



SPECIFICATION

Model	Sterling 10	Sterling 12	Sterling 14	Sterling 16	Sterling 18	Sterling 20	Sterling 22	Sterling 24
Swing over Bed	1000mm	1250mm	1400mm	1600mm	1800mm	2000mm	2200mm	2400mm
Swing in Gap	1250mm	1500mm	1930mm	2110mm				
Swing over Carriage	650mm	900mm	1100mm	1280mm	1400mm	1600mm	1800mm	2030mm
Centre Height	500mm	625mm	700mm	800mm	900mm	1000mm	1100mm	1200mm
Distance Between Centres	1.5-12m	1.5-12m	1.5-12m	1.5-12m	1.5-12m	1.5-12m	1.5-12m	1.5-12m
Bed Width	755mm	755mm	970mm	970mm	1100mm	1100mm	1100mm	1100mm
Spindle Nose	A215	A215	A215	A215	A220	A220	A220	A215
Diameter of Front Bearing	200mm	200mm	200mm	220mm	240mm	240mm	280mm	220mm
Spindle Bore	130mm	130mm	130mm	130mm	100mm	100mm	100mm	100mm
Spindle Taper	No140Metric	No140Metric	No140Metric	No140Metric	No140Metric	No140Metric	No140Metric	No140Metric
Number of Speeds	21	21	21	21	3 ranges	3 ranges	3 ranges	21
Speed Range	3.15-315rpm	3.15-315rpm	2.5-250rpm	2.5-250rpm	1-125rpm	1-125rpm	1-125rpm	2.5-250rpm
Main Motor	22Kw AC	22Kw AC	22Kw AC	22Kw AC	37/49Kw DC	37/49Kw DC	37/49Kw DC	22Kw AC
Rapid Motor	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw
Tool Capacity	45x45mm	45x45mm	45x45mm	45x45mm	45x45mm	45x45mm	45x45mm	45x45mm
Toolpost Swivel Angle	±90°	±90°	±90°	±90°	±90°	±90°	±90°	±90°
Toolpost Cross Travel			200mm	200mm	200mm	20mm	200mm	200mm
Toolpost Longitudinal Travel	200mm	200mm	400mm	400mm	400mm	400mm	400mm	400mm
Cross Slide Travel	590mm	695mm	880mm	880mm	1300mm	1300mm	1300mm	1020mm
Rapid Travel of Toolpost Longitudinal	935mm/min	935mm/min	935mm/min	935mm/min	935mm/min	935mm/min	935mm/min	935mm/min
Rapid Cross Travel	1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min
Rapid Longitudinal Carriage Travel	3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min
Number of Metric Threads	45	45	45	45	45	45	45	45
Metric Thread Range	1-120mm	1-120mm	1-120mm	1-120mm	1-120mm	1-120mm	1-120mm	1-120mm
Number of imperial Threads	42	42	42	42	42	42	42	42
Imperial Thread Range	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.	¼ - 30 T.P.I.
Number of Module Threads	46	46	46	46	46	46	46	46
Module Thread Range	0.5-60mm	0.5-60mm	0.5-60mm	0.5-60mm	0.5-60mm	0.5-60mm	0.5-60mm	0.5-60mm
Number of Diametral Threads	48	48	48	48	48	48	48	48
Diametral Thread Range	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.	0.5-60D.P.
Number of Longitudinal Feeds	97	97	97	97	97	97	97	97
Longitudinal Feed Range	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev	0.064-12mm/rev
Number of Cross Feeds	97	97	97	97	97	97	97	97
Cross Feed Range	0.032-6mm	0.032-6mm	0.032-6mm	0.032-6mm	0.032-6mm	0.032-6mm	0.032-6mm	0.032-6mm
Number of Feeds Longitudinal Toolpost	97	97	97	97	97	97	97	97
Toolpost Longitudinal Feed Range	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev	0.016-3mm/rev
Tailstock Quill Diameter	160mm	160mm	160mm	160mm	240mm	240mm	240mm	240mm
Tailstock Quill Taper	No.80 Metric	No.80 Metric	No.80 Metric	No.80 Metric	80mm; 1:7	80mm; 1:7	80mm; 1:7	80mm; 1:7
Tailstock Quill Travel	300mm	300mm	300mm	300mm	300mm	300mm	300mm	300mm
Net Weight (3m Machine)	10800kgs	11500kgs	12200kgs	13200kgs	22000kgs	28000kgs	32000kgs	30000kgs

CHARGER LATHE



STANDARD ACCESSORIES

- Main motor
- Auto-lubrication system
- Coolant system
- 4-Way tool post
- X.Z axes rapid traverse
- Meter/ Inch community gear box
- Magnetic brake
- Guide way hardened, grinder
- Tailstock center
- Tool box&Tools
- Leveling bolts&Pads
- Operation&service manual

OPTIONAL ACCESSORIES

- 3-Jaw chuck
- 4-Jaw chuck
- Face plate
- Steady rest
- Follow rest
- Rear splash guard
- Rear tool post
- Taper attachment
- Quick change tool post
- Semi-auto threading device
- Digital readout
- Double chuck system

SPECIFICATION

ITEM	CHARGER 26	CHARGER 30	CHARGER 33	CHARGER 42		CHARGER 46		CHARGER 52	CHARGER 62
Center high	335mm	385mm	420mm	530mm		585mm		660mm	790mm
Swing over bed	670mm	770mm	840mm	1060mm		1170mm		1320mm	1580mm
Swing over cross slide	460mm	560mm	630mm	750mm		860mm		990mm	1250mm
Swing over gap	890mm	990mm	1060mm	1610mm		1720mm		1870mm	2130mm
Width of bed	460mm			560mm			800mm		
Width of auxiliary bed				660mm			1000mm		
Distance between centers	2000-5000mm			2000-9000mm			2000-12000mm		
Spindle bore	104mm	156mm	230mm	156mm	230mm	310mm	360mm	410mm	535mm
Spindle nose	A2-11	A2-11	A2-15	A2-11	A2-15	A2-20	A2-20	A2-28	A2-28
Number of spindle speeds	15-1000rpm	13-800rpm	11-700rpm	9-600rpm	6-400rpm	4-300rpm	3-250rpm	3-200rpm	2-150rpm
Main spindle motor	15HP	15HP	20HP	20HP	25HP	30HP	30HP	40HP	40HP
Tailstock quill	95mm			125mm			200mm		
Tailstock quill taper	MT-5			MT-6			MT-6		
Tailstock quill travel	230			300			300		
Cross feeds	0.025-0.35(36 kinds)			0.065-0.96(48 kinds)			0.065-0.96(48 kinds)		
Cross slide travel	435			540			800		
Compound tool rest travel	230			300			350		
Max. cutting tool size	25x25			40x40					
Longitudinal feeds	0.05-0.7(36 kinds)			0.13-1.92(48 kinds)					
Lead screw diameter	45x2TPI			50mmx2TPI					
Threading range,metric	0.8-14mm/Pitch (65 kinds)			2-30mm/Pitch (44 kinds)					
Threading range,inch	2-28 TPI (36 kinds)			1-15 TPI (42 kinds)					
Module pitch threads(metric)	0.5-7 M.P. (22 kinds)			1-15 M.P. (32 kinds)					
Module pitch threads(inch)	4-56 D.P.(36 kinds)			2-30 D.P.(48 kinds)					
Rapid motor	1/4 HP			1/2 HP					
Coolant pump	1/8 HP			1/4 HP					
Oil pump				12 W					

CHARGER CNC LATHE



SPECIFICATION

Model	1840N	1860N
Swing over Bed	460mm	460mm
Swing over cross Slide	220mm	220mm
Distance between Centre	1000mm	1500mm
Width of Bed		350mm
Spindle Speeds		4000rpm
Spindle Nose		A2-6
Spindle Bore		54mm
Longitudinal Travel (Z axis)	895mm	1415mm
Cross Slide Travel (X axis)		280MM
AC Servo Motor (X-axis)		5.1N
AC Servo Motor (Z- axis)		7.3N
DIA. of Ball Screw (X- axis)		25mm P5 C5, Single Nut
DIA. of Ball Screw (Z- axis)		25mm P5 C5, Double Nuts
Rapid Feed (X- axis)		5m/min (200ipm)
Rapid Feed (Z- axis)		10m/min (400ipm)
Turret		Electric 4 way Tool Post
OD Tool		25mm
Quill Diameter		65mm
Quill Travel		150mm
Quill Taper		MT. No. 4
Main Spindle Motor		5.5kw/ 7.5kw, AC Spindle Motor
Coolant Pump		1/8HP
Hydraulic		40L, 1HP
Coolant Tank		80L
Weight (Net/Gross) Approx	2500/ 2750kgs	2750/ 3000kgs
Machine Size (LxWxH)	2540 x 1427 x 1957mm	3040 x 1427 x 1957mm



SPECIFICATION

Model	1840	1860	2140	2160
Swing over Bed	Ø460mm		Ø530mm	
Swing over Cross Slide	Ø240mm		Ø300mm	
Centre Height	230mm		265mm	
Distance between Centre	1000mm	1520mm	1000mm	1520mm
Width of Bed	350mm		350mm	
Spindle Speeds (4 Speeds)	H1: 916-2500rpm H2: 341-960rpm L1: 131-340rpm L2: 50-130rpm		H1: 621-1600rpm H2: 241-621rpm L1: 91-240rpm L2: 35-90rpm	
Spindle Nose	A1 6 D1 6		A1 8 D1 8	
Spindle Bore	Ø52mm		Ø80mm	
Chuck Size	8"		10"	
Longitudinal working stroke (Z axis)	895mm	1415mm	895mm	1415mm
Cross Slide working stroke (X axis)	280mm		300mm	
Topslide Width	115mm		125mm	
Size of toolpost shank		25 x 25mm		
Tailstock Diameter		Ø65mm		
Tailstock Travel		150mm		
Tailstock Taper		4MT		
Spindle Motor	7-1/2HP (10HP)		10HP (15HP)	
Drives (X, Y)		DC SERVO		
Rapid Traverse Z/X	5/ 10m/min (200/ 400imp)		5/ 10m/min (200/ 400imp)	
Range of feeds in manual mode		0.01-500mm/rev		
Coolant Pump Motor		1905 x 762 x 1473mm 0.125HP		
Machine Weight	2270kgs	2724kgs	3000kgs	3500kgs
Packing Measurement Approx	2280x1430x 2200mm	2900x1430 2200mm	2280x1490x 2240mm	2900x1490 2240mm

CHARGER BIG BORE CNC LATHE



Model		BB12	BB19	BB26	BB35
Swing over Bed		770mm	770mm	1000mm	1100mm
Swing over Carriage		480mm	480mm	630mm	730mm
External Diameter of Pipes	Manual Chuck	120mm		70 – 260	114 – 340
	Hydraulic Chuck Pneumatic Chuck				127 – 340
Maximum Length of Workpiece		750,1000,1500, 2000,3000	750,1000,1500, 2000,3000	1500,3000,5000	1500,3000,5000
Maximum Turning Length		600,850,1350,1850, 2850mm	600,850,1350,1850, 2850mm	1300,2800,4800mm	1300,2800,4800mm
Span of Guideway		550	550	755	755
Spindle Nose		C11	C11	A215	A215
Step of Spindle Speed		16	8	Variable Speed	Variable Speed
Range of Spindle Speed		250 – 800	90 – 450	6 – 400	5 - 320
Spindle Motor Power		11	11	18.5	18.5
Spindle Bore		130mm	200mm	275mm	355mm
Chuck Type	Manual Chuck	380	500	630	780
	Hydraulic Chuck Pneumatic Chuck				760
Centre Height from Bed		385	385	500	550
Minimum Feed Increment of X-/Z- Axis		0.001/0.001 mm	0.001/0.001 mm	0.001/0.001 mm	0.001/0.001 mm
Rapid Speeds of X-/Z- Axis		3000/6000 mm	3000/6000 mm	3000/6000 mm	3000/6000 mm
Maximum Travel of X-axis		390 mm	390 mm	630 mm	630 mm



Model	660	770	771
Swing over Bed	Ø660mm	Ø770mm	Ø770mm
Swing over cross Slide	Ø370mm	Ø425mm	Ø425mm
Centre Height	Ø330mm	Ø385mm	Ø385mm
Distance between Centres	1500mm 2000mm 3000mm		
Width of Bed	480mm		
Spindle Speeds	4.541-1200rpm 3.166-540rpm 2.76-165rpm 1.25-75rpm		4.361-800rpm 3.11-360rpm 2.51-110rpm 1.15-50rpm
Spindle Nose	A1 – 11 or D1 – 11		A2 – 11
Spindle Bore	Ø104mm		Ø155mm
Chuck Size (option)	15"	20"	20"
Longitudinal working Stroke (Z axis)	1500mm 2000mm 3000mm		
Cross Slide working Stroke (X axis)	400mm		
Top Slide Width	140mm		
Size of Tool Post Shank (4-way Tool Post)	32 x 32mm		
Tailstock Diameter	Ø105mm		
Tailstock Travel	150mm		
Tailstock Taper	MT5 (OPT.: MT6)		
Spindle Motor	15HP (OPT: 20HP or 25HP)		
Drives (X, Z)	AC Servo X: 7.9NM Z: 13.6NM		
Rapid Traverse X/Z	5000/ 1000 mm/min (200/ 400 ipm)		
Range of Feeds in Manual Mode	1.01 – 500mm/rev (0.0004 – 19.68 in/rev)		
Coolant Pump Motor	1/4HP		
Machine Weight	5000kgs, 5500kgs, 6500kgs		

Chester supply a wide range of milling machines from small Hobby size machines right through to Horizontal Boring 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.



CHESTER MILLING MACHINES

MICRO MILL



MICRO DRILL



SPECIFICATION

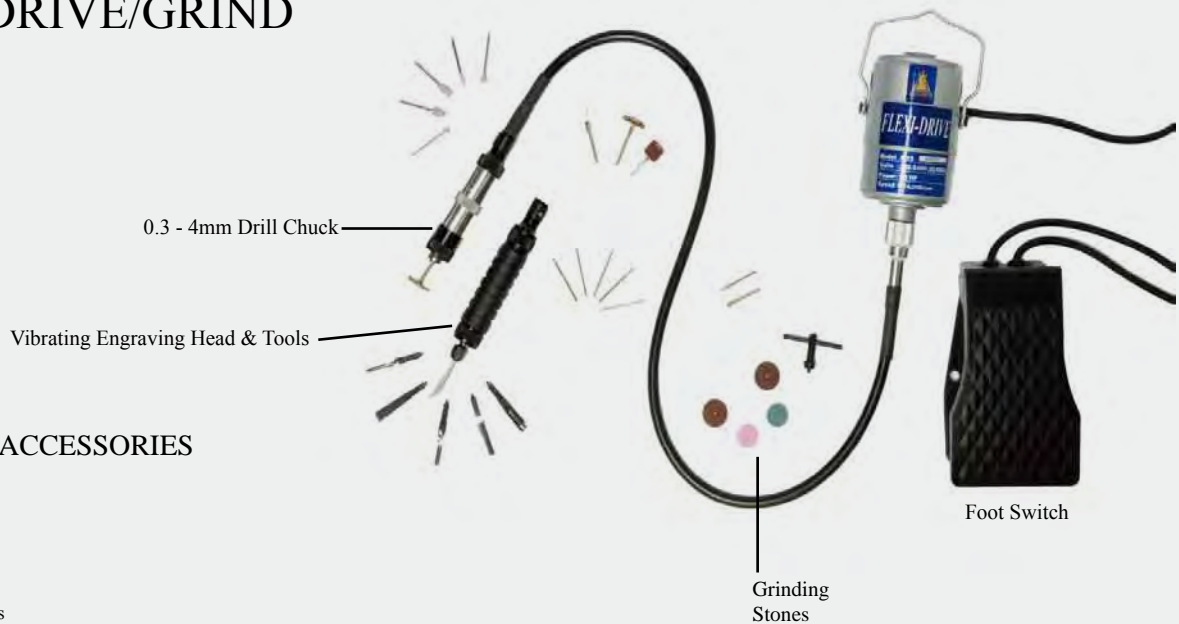
Model	Micro Mill/Drill	Micro Drill
Max: Drilling Capacity	6mm	6mm
Max; Milling Capacity	6mm	n/a
Spindle Travel	40mm	40mm
Headstock Travel	200mm	200mm
Spindle Taper	B10/JT1	B10/JT1
Spindle Speed – High Range	0-5000rpm	5000rpm
Spindle Speed – Low Range	0-3600rpm	3600rpm
Base Size	275 x 165mm	275 x 165mm
Column Diameter	30mm	30mm
Motor	150w/240v	150w/240v
Weight	14kgs	12kgs
Stock Code - Metric	MIL-MICRO-M	DRI-MICRO-M
Stock Code - Imperial	DRI-MICRO-M	DRI-MICRO-M
Price ex vat	£155.65	£138.26
Price inc vat	£179.00	£159.00

STANDARD ACCESSORIES

- Drill Chuck
- Chuck Guard
- Digital Depth Display
- Work Fence on Base
- Micro Mill has Variable Speed
- Micro Mill has Depth Stop
- Manual & Parts List



FLEXI DRIVE/GRIND



STANDARD ACCESSORIES

- Grinding Stones
- Rotating Head
- 5 x Chisels
- Engraving Head
- Deburring Stones
- Diamond Burrs
- Sanding Attachments

Model	Power	Voltage	Weight	Working Speed	Stock Code	Price ex vat	Price inc vat
SP-328	1/10hp	240v	2.3kgs	0-14000rpm	GRI-FLEX	£99.00	£116.33



COBRA MILL



FEATURES

- Variable Speed
- Angled Milling
- Adjustable Gibstrips
- Quill Fine Feed

STANDARD ACCESSORIES

- 1-10mm Drill Chuck & Arbor
- Variable Speed
- Spanners
- Allen Keys
- 10mm Draw bar
- Manual and Parts List

OPTIONAL ACCESSORIES

1  Chester Collet Set MT2	2  Cobra Mill Vice	3  Boring Head Set MT2	4  1/2" Boring Tool Set	5  MT2 Taper Collets
6  Angle Plate 3" Open	7  Slitting Saw Arbor	8  Fly Cutter Set	9  Flexiarm Lamp	9  End Mill Cutters

SPECIFICATION

Drilling Capacity	10mm
End Mill Capacity	10mm
Face Mill Capacity	20mm
Spindle Stroke	30mm
Throat	140mm
Table Working Surface	145x240mm
Longitudinal Travel	180mm
Cross Travel	145mm
Max. Distance Spindle to Table	220mm
No. of Spindle Speeds	Variable
Range of Speeds	100 - 2000rpm
Spindle Taper	MT2
Motor	150w
Supply	240V
Weight (nw/gw)	25/38kgs
Dimensions (LxWxH)	480x380x680 mm
Stock Code - Metric	MIL-COB-M
Stock Code - imperial	MIL-COB-I
Price ex vat	£330.43
Price inc vat	£379.99

CONQUEST MILL

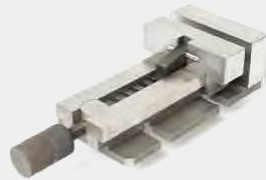
This little mill will handle any kind of job up to 12mm drilling and milling, with no belt changes necessary. The variable speed control and gear drive saves you time and hassle. Built with a heavy-duty column and base for better stability; qualities not found in other small machines; this mill/drill is truly a remarkable machine.

STANDARD ACCESSORIES

- 1-13mm Drill chuck
- MT3 Drill Chuck Arbor
- Milling Drawbar
- Variable Speed
- Spanners
- Allen Keys
- Manual & Parts list
- Quick Action Vice

FEATURES

- Dovetail Column
- Adjustable Depth Stop
- Fine Feed Head Control
- Geared Drive
- Variable Speed
- Slideway Covers
- Zero Setting Dials
- Metric or Imperial Machines



Includes free vice



SPECIFICATION

Drilling Capacity	12mm
End Mill Capacity	12mm
Face Mill Capacity	16mm
Table Surface Size	90x404mm
Longitudinal Travel	240mm
Cross Travel	110mm
Max. Distance Spindle to Table	270mm
Angle of Column Tilt	45 deg left or right
Number of Spindle Speeds	Variable
Spindle Speed Low Range	0 - 1100 rpm
Spindle Speed High Range	0 - 2500 rpm
Spindle Taper	MT3
Table T-Slot Size	12mm
Motor	350watt
Power Supply	240volt
Dimensions (LxDxH)	490x445x860mm
Net Weight	55kgs
Stock Code - Metric	MIL-CONQ-M
Stock Code - Imperial	MIL-CONQ-I
Price ex vat	£434.77
Price inc vat	£499.99

OPTIONAL ACCESSORIES

<p>1</p> <p>Chester Collet Set MT3</p>	<p>2</p> <p>Swivel Base Vice 100mm</p>	<p>3</p> <p>Boring Head Set MT2</p>	<p>4</p> <p>1/2" Boring Tool Set</p>	<p>5</p> <p>MT3 Taper Collets</p>
<p>6</p> <p>Clamp Kit</p>	<p>7</p> <p>Slitting Saw Arbor</p>	<p>8</p> <p>Fly Cutter Set</p>	<p>9</p> <p>Flexiarm Lamp</p>	<p>10</p> <p>End Mill Cutters</p>
<p>11</p> <p>Angle Plate 3" Open</p>				



CHAMPION 16V MILLING MACHINE



• Shown with optional stand

SPECIFICATION

Max. Drilling Capacity	16mm
Max. End Milling Capacity	16mm
Max. Face Milling Capacity	50mm
Table Size	500x140mm
T-slot Size	10mm
Cross Travel	160mm
Longitudinal Travel	280mm
Vertical Travel	200mm
Taper of Spindle Bore	MT2
Spindle Stroke	52mm
Number of Speeds	Variable
Range of Spindle Speeds	50-2500rpm
Headstock Tilt Left & Right	±90°
Motor	600w
Packing size	520x550x800mm
Net Weight	90kgs
Stock Code	MIL-CHA16V-M
Stock Code	MIL-CHA16V-I
Price ex vat	£607.83
Price inc vat	£699.00

OPTIONAL ACCESSORIES

1 Chester Collet Set MT3	2 Swivel Base Vice 100mm	3 Boring Head Set MT2	4 1/2" Boring Tool Set	5 MT3 Taper Collets
6 Clamp Kit	7 Slitting Saw Arbor	8 Fly Cutter Set	9 Flexiarm Lamp	10 End Mill Cutters
11 Angle Plate 3" Open	12 Stand			

FEATURES

- Variable Spindle Speed
- Dovetail Column
- Tilting Head
- Wide Spindle Speed Range

STANDARD ACCESSORIES

- Drill Chuck
- Drill Chuck Arbor
- Drill Chuck Guard
- Drawbar
- Manual & Parts List.

CHAMPION 20V MILLING MACHINE



• Shown with Optional Stand



Digital Speed Readout



Digital Quill Readout

SPECIFICATION

Max. Drilling Capacity	20mm
Max. End Milling Capacity	20mm
Max. Face Milling Capacity	63mm
Table Size	700x180mm
T-slot Size	12mm
Cross Travel	175mm
Longitudinal Travel	490mm
Vertical Travel	290mm
Taper of Spindle Bore	MT2
Spindle Stroke	42mm
Number of Speeds	Variable
Range of Spindle Speeds	50-2200rpm
Headstock Tilt Left & Right	±90°
Motor	1hp
Dimensions (W x D x H)	960x570x970mm(max) 960x570x780mm(min)
Max Spindle to Table	390mm
Throat	165mm
Net Weight	113kgs
Stock Code	MIL-CHA20V-M
Stock Code	MIL-CHA20V-I
Price ex vat	£738.26
Price inc vat	£849.00

FEATURES

- Variable Spindle Speed
- Dovetail Column
- Digital Quill Depth Readout
- Column Guideway Covers
- Tilting Head
- Large Table Size
- Wide Spindle Speed Range

STANDARD ACCESSORIES

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

OPTIONAL ACCESSORIES

<p>1</p> <p>Chester Collet Set MT3</p>	<p>2</p> <p>Swivel Base Vice 100mm</p>	<p>3</p> <p>Boring Head Set MT2</p>	<p>4</p> <p>1/2" Boring Tool Set</p>	<p>5</p> <p>MT3 Taper Collets</p>	<p>6</p> <p>Clamp Kit</p>	<p>7</p> <p>Slitting Saw Arbor</p>	<p>8</p> <p>Fly Cutter Set</p>
<p>9</p> <p>Flexiarm Lamp</p>	<p>10</p> <p>End Mill Cutters</p>	<p>11</p> <p>Angle Plate 3" Open</p>	<p>12</p> <p>Stand</p>				



CENTURY MILLING MACHINE



• Shown with optional stand



SPECIFICATION

Max. Drilling Capacity	20mm
Max. End Milling Capacity	22mm
Max. Face Milling Capacity	70mm
Table Size	600x180mm
T-slot Size	12mm
Cross Travel	200mm
Longitudinal Travel	350mm
Vertical Travel	400mm
Throat	175mm
Taper of Spindle Bore	MT3
Spindle Stroke	60mm
Number of Speeds	Variable
Range of Spindle Speeds	50~3000rpm
Headstock Tilt Left & Right	±90°
Motor	1½hp
Packing size	720x565x1020mm
Net Weight	135kgs
Stock Code	MIL-CENT-M
Price ex vat	£912.17
Price inc vat	£1049.00

FEATURES

- Variable Spindle Speed
- 1½hp Motor
- Dovetail Column
- Digital Quill Depth Readout
- Column Guideway Covers
- Tilting Head
- Large Table Size
- Wide Spindle Speed Range

STANDARD ACCESSORIES

- Drill Chuck
- Drill Chuck Arbor
- Drill Chuck Guard
- Drawbar
- Manual & Parts List.

OPTIONAL ACCESSORIES

1  Chester Collet Set MT3	2  Swivel Base Vice 100mm	3  Boring Head Set MT2	4  1/2" Boring Tool Set	5  MT3 Taper Collets	6  Clamp Kit	7  Slitting Saw Arbor	8  Fly Cutter Set
9  Flexiarm Lamp	10  End Mill Cutters	11  Angle Plate 3" Open	12  Stand	13  Powerfeed			

EAGLE 25 MILL/DRILL

The Eagle E25 Mill/Drill comes complete with 1-13mm Drill Chuck, MT3 Drill Chuck Arbor, Small Angle Drilling Vice, and Face Cutter.

STANDARD ACCESSORIES

- 1-13mm Drill Chuck & Arbor
- Eagle Face Mill Cutter
- Tilting Vice
- Drawbar (M12 thread)-MT3
- NVR Switch Gear
- Interlocked Chuck Guard
- Manual & Parts List
- 7/16" - Drawbar-R8

FEATURES

- Head Swivels 360 degrees
- Heavy-Duty 1hp Motor
- Wide Speed Range
- Positive Quill Lock
- Taper Roller Bearing Spindle
- Imperial or Metric Machines
- Cast Iron Column

SPECIFICATION

Drilling Capacity	25mm
End Milling Capacity	25mm
Face Milling Capacity	65mm
Table Working Surface	190x585mm
Longitudinal Travel	370mm
Cross Travel	140mm
Max. Distance Spindle to Table	380mm
Throat	200mm
Head Rotation on Column	360 deg
"T" Slot Size	14mm
Number of "T" Slots	3
Number of Spindle Speeds	12
Spindle Speed Range	100-2150 rpm
Spindle Stroke	100mm
Spindle Taper	MT3/R8
Motor	3/4hp
Supply	240volt
Dimensions (LxDxH)	900x940x1040mm
Net Weight	200kgs
Stock Code - Metric/MT3	MIL-E25-001
Stock Code - Metric/R8	MIL-E25-002
Stock Code - Imperial/MT3	MIL-E25-003
Price ex vat	£686.09
Price inc vat	£789.00



• Shown with optional stand

OPTIONAL ACCESSORIES

<p>1</p> <p>Chester Collet Set MT3</p>	<p>2</p> <p>Swivel Base Vice 100mm</p>	<p>3</p> <p>Boring Head Set MT3</p>	<p>4</p> <p>1/2" Boring Tool Set</p>	<p>5</p> <p>MT3 Taper Collets</p>	<p>6</p> <p>Clamp Kit</p>	<p>7</p> <p>Slitting Saw Arbor</p>	<p>8</p> <p>Fly Cutter Set</p>
<p>9</p> <p>Flexiarm Lamp</p>	<p>10</p> <p>End Mill Cutters</p>	<p>11</p> <p>Angle Plate 3" Open</p>	<p>12</p> <p>Rotary Table 150mm</p>	<p>13</p> <p>Tilting Table 5"x7"</p>	<p>14</p> <p>Coolant System</p>	<p>15</p> <p>Machine Stand</p>	



EAGLE 30 MILL/DRILL

The Eagle E30 Mill/Drill has long been accepted in the market as a machine that can handle the work of machines costing hundreds of pounds more. It comes standard with 1-13mm Drill Chuck, Face Mill Cutter and Tilting Vice.

STANDARD ACCESSORIES

- 1-13mm Drill Chuck & Arbor
- Eagle Face Mill Cutter
- Tilting Vice
- Drawbar (M12 Thread)-MT3
- NVR Switch Gear
- Interlocked Chuck Guard
- Manual & Parts List
- 7/16" - Drawbar - R8

FEATURES

- Wide Speed Range
- Heavy Duty Taper Roller Bearings
- Quill Lock
- Adjustable Gib Strips
- Powerful 1.5hp Motor
- Head Rotates 360°
- Longitudinal Table Stops
- Graduations in Imperial or Metric

SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	20mm
Face Milling Capacity	76mm
Table Working Surface	730 x 210mm
Longitudinal Travel	540mm
Cross Travel	180mm
Max. Distance Spindle to Table	460mm
Distance between Spindle and Column	202mm
Head Rotation on Column	360°
"T" Slot Size	14mm
Number of Spindle Speeds	12
Spindle Speed	100-2150rpm
Spindle Stroke	130mm
Spindle Taper	MT3 / R8
Motor	1.1 Kw /1.5hp
Supply	240volt
Dimensions (HxDxW)	1120 x 1010 x1080mm
Gross Weight	287kgs
Stock Code - Metric/MT3	MIL-E30-001
Stock Code - Imperial/MT3	MIL-E30-002
Stock Code - Metric/R8	MIL-E30-003
Price ex vat	£860.00
Price inc vat	£989.00



• Shown with optional stand

OPTIONAL ACCESSORIES

1 Chester Collet Set MT3	2 Swivel Base Vice 100mm	3 Boring Head Set MT3	4 1/2" Boring Tool Set	5 MT3 Taper Collets	6 Clamp Kit	7 Slitting Saw Arbor	8 Fly Cutter Set
9 Flexiarm Lamp	10 End Mill Cutters	11 Angle Plate 3" Open	12 Rotary Table 150mm	13 Tilting Table 5"x7"	14 Coolant System	15 Machine Stand	

LUX ROUND COLUMN MILL

STANDARD ACCESSORIES

- 1-13mm Drill Chuck & Arbor
- Eagle Face Mill Cutter
- V100 Machine Vice with Swivel Base
- Drawbar (M12 Thread)
- NVR Switch Gear
- Interlocked Chuck Guard
- Manual & Parts List

FEATURES

- Heavy-Duty Tapered Roller Bearing Spindle
- Powerful 1 HP Single Phase Motor
- Head Tilts 45 Degrees Left or Right
- Head Rotates 360 Degrees
- Easy Clutch-Type Mechanism for Engaging Fine Down-Feed
- Positive Quill Lock
- Adjustable Gibs on Table
- Adjustable Stops on Table
- Graduations in Inches or Metric



SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	28mm
Face Milling Capacity	80mm
Table Working Surface	210x730mm
Longitudinal Travel	540mm
Cross Travel	180mm
Max. Distance Spindle to Table	460mm
Throat	270mm
Head Rotation on Column	360 deg
Head Tilt	45 deg left or right
'T' Slot Size	14mm
Number of 'T' Slots	4
Number of Spindle Speeds	6
Spindle Speed Range	95-1600 rpm
Spindle Stroke	130mm
Spindle Taper	MT3
Motor	1hp
Supply	240volt
Dimensions (LxDxH)	960x700x1460mm
Net Weight	280kgs
Stock Code	MIL-LUXRC-M
stock Code	MIL-LUXRC-I
Price ex vat	£1016.52
Price inc vat	£1169.00

OPTIONAL ACCESSORIES

<p>1 Chester Collet Set MT3</p>	<p>2 Swivel Base Vice 125mm</p>	<p>3 Boring Head Set MT3</p>	<p>4 1/2" Boring Tool Set</p>	<p>5 MT3 Taper Collets</p>	<p>6 Clamp Kit</p>	<p>7 Machine Stand</p>	<p>8 Machine Tray</p>
<p>9 Flexiarm Lamp</p>	<p>10 BS-0 Dividing Head</p>	<p>11 Stub Milling Arbor 1" MT3</p>	<p>12 Rotary Table 150mm</p>	<p>13 Tilting Table 5"x7"</p>	<p>14 Coolant System</p>	<p>15 Power Feed inc transformer</p>	



LUX MILLING MACHINE



The Lux mill/drill has long been accepted in the market place as a machine that can handle the work of machines costing hundreds of pounds more. We go one step further and offer you this improved model with a tilting head and super-large table. It comes standard with a 1-13mm Drill Chuck, Face Mill Cutter and V100 Machine Vice.

STANDARD ACCESSORIES

- 1-13mm Drill chuck
- Drill Chuck Arbor
- Milling Drawbar
- Drill Chuck Guard
- NVR Switch gear.
- Manual & Parts List
- V100 Vice
- Face Mill Cutter

FEATURES

- Wide Speed Range
- Speed Selection by Gear Lever Control
- Calibrated Scale for Tilting Head
- Zero Setting Dials
- MT3 or R8 Spindle
- Long 130mm Spindle Stroke

SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	25mm
Face Milling Capacity	75mm
Table Size	240 x 820mm
Longitudinal Travel	520mm
Cross Travel	190mm
Max: Distance Spindle to Table	470mm
Distance between Spindle and Column	265mm
Head Tilt	90deg Left or Right
Number of Spindle Speeds	6
Spindle Speed	95 - 1600 rpm
Spindle Stroke	130mm
'T' Slot Size	14mm
Number of 'T' Slots	4
Spindle Taper	MT3 or R8
Motor	1 hp
Supply	240volt
Dimensions (WxDxH)	880 x 780 x 1150mm
Weight	300kgs
Stock Code-MT3	MIL-LUX-MT3
Stock Code-R8	MIL-LUX-R8
Price ex vat	£1173.04
Price inc vat	£1349.00

OPTIONAL ACCESSORIES

1  Chester Collet Set MT3	2  Swivel Base Vice 125mm	3  Boring Head Set MT3	4  1/2" Boring Tool Set	5  MT3 Taper Collets	6  Clamp Kit	7  Machine Stand	8  Machine Tray
9  Flexiarm Lamp	10  BS-0 Dividing Head	11  Stub Milling Arbor 1" MT3	12  Rotary Table 150mm	13  Tilting Table 5" x 7"	14  Coolant System	15  Power Feed inc transformer	

SUPER LUX MILLING MACHINE



STANDARD ACCESSORIES

- Drill Chuck
- Drill Chuck Arbor
- Milling Drawbar
- Interlocked Chuck Guard
- Manual and Parts List
- Stand
- Face Mill Cutter
- Reducing Sleeves
- Drill Drift

FEATURES

- Powered Head Elevation
- Large Table
- Dovetail Column
- Angle Tilting Head
- Wide Speed Range



SPECIFICATION

Drilling Capacity	45mm
End Milling Capacity	28mm
Face Milling Capacity	80mm
Table Size	240 x 820mm
Longitudinal Travel	530mm
Cross Travel	200mm
Max: Distance Spindle to Table	475mm
Distance between Spindle and Column	261mm
Head Tilt	90deg Left or Right
Number of Speeds	6
Spindle Speeds	95-1600rpm
Spindle Stroke	120mm
'T' Slot Size	14mm
Number of 'T' Slots	3
Spindle Taper	MT3
Motor	1 hp
Power	240volt
Dimensions (W x D x H)	1120 x 1040 x 2100mm
Net Weight	278kgs
Stock Code	MIL-SLUX-M
Price ex vat	£1364.35
Price inc vat	£1569.00

OPTIONAL ACCESSORIES

<p>1</p>  <p>Chester Collet Set MT3</p>	<p>2</p>  <p>Swivel Base Vice 125mm</p>	<p>3</p>  <p>Boring Head Set MT3</p>	<p>4</p>  <p>1/2" Boring Tool Set</p>	<p>5</p>  <p>MT3 Taper Collets</p>	<p>6</p>  <p>Clamp Kit</p>	<p>7</p>  <p>Flexiarm Lamp</p>	<p>8</p>  <p>BS-0 Dividing Head</p>
<p>9</p>  <p>Stub Milling Arbor 1" MT3</p>	<p>10</p>  <p>Rotary Table 150mm</p>	<p>11</p>  <p>Tilting Table 5"x7"</p>	<p>12</p>  <p>Coolant System</p>	<p>13</p>  <p>Power Feed inc transformer</p>			



LUX PEDESTAL MILL/DRILL



STANDARD ACCESSORIES

- 3-16mm Drill Chuck
- Drill Chuck Arbor
- Milling Drawbar
- Interlocked Chuck Guard
- Manual and Parts List

FEATURES

- Heavy Duty Tapered Roller Bearing Spindle
- Large Table
- Dovetail Column
- Positive Quill Lock
- Head Swivels 360 Degrees
- Head Tilts 45 Degrees Left or Right
- Angle Tilting Head
- Wide Speed Range

SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	28mm
Face Milling Capacity	80mm
Table Size	190 x 580mm
Longitudinal Travel	420mm
Cross Travel	170mm
Max: Distance Spindle to Table	680mm
Distance between Spindle and Column	250mm
Head Tilt	90deg Left or Right
Number of Speeds	6
Spindle Speeds	95-1600rpm
Spindle Stroke	130mm
'T' Slot Size	14mm
Number of 'T' Slots	3
Spindle Taper	MT3/R8
Motor	1.5 hp
Power	240volt
Dimensions (W x D x H)	960 x 700 x 1460mm
Net Weight	280kgs
Stock Code -MT3/240volt	MIL-LMD-MT3-240
Stock Code - MT3/415volt	MIL-LMD-MT3-415
Stock Code - R8/415volt	MIL-LMD-R8-415
Price ex vat	£1233.91
Price inc vat	£1419.00

Delivery by Quotation

OPTIONAL ACCESSORIES

1  Chester Collet Set MT3	2  Swivel Base Vice 125mm	3  Boring Head Set MT3	4  1/2" Boring Tool Set	5  MT3 Taper Collets	6  Clamp Kit	7  Flexiarm Lamp	8  BS-0 Dividing Head
9  Stub Milling Arbor 1" MT3	10  Rotary Table 150mm	11  Tilting Table 5"x7"	12  Coolant System	13  R8 Collets			

626 TURRET MILL

The '626' Turret Milling Machine is the next step up from conventional bench mounted Mill/Drills and has proven to be extremely popular since its introduction. A long 330mm travel on the dovetail knee means there is no requirement to relocate your machine spindle during tool changes.

STANDARD ACCESSORIES

- Machine Work light
- Central Lubrication System
- Machine Stand
- Drawbar
- Manual & Parts list

FEATURES

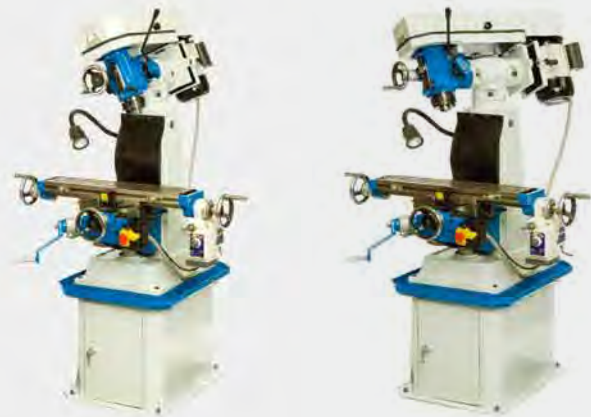
- 1.5HP Motor
- Metric or Imperial Machines
- MT3 or R8 Spindle Taper
- Head Swivels 90 degrees
- Head Tilts 45 degrees
- One Shot Lubrication System



• Shown with Optional Powerfeed

SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	25mm
Face Milling Capacity	75mm
Table Size	156x745mm
Longitudinal Travel	380mm
Cross Travel	135mm
Max. Distance Spindle to Table	330mm
Distance between Spindle and Column	155mm
Head Tilt	45 deg Left or Right
Knee travel	330mm
"T" Slot Size	14mm
Number of Spindle Speeds	9
Spindle Speed Range	190-2100rpm
Spindle Stroke	80mm
Spindle Taper	MT3 or R8
Motor	1½ hp
Supply	240volt or 415volt
Dimensions (WxDxH)	1085x990x1710mm
Weight	410kgs
Stock Code - Metric /MT3	MIL-626-001
Stock Code - Metric /R8	MIL-626-002
Stock Code - Imperial/MT3	MIL-626-003
Stock Code - Imperial/R8	MIL-626-004
Price ex vat	£1625.22
Price inc vat	£1869.00



OPTIONAL ACCESSORIES

<p>1</p> <p>Chester Collet Set MT3</p>	<p>2</p> <p>Swivel Base Vice 125mm</p>	<p>3</p> <p>Boring Head Set MT3</p>	<p>4</p> <p>1/2" Boring Tool Set</p>	<p>5</p> <p>MT3 Taper Collets</p>	<p>6</p> <p>Clamp Kit</p>	<p>7</p> <p>Split Vice 5"</p>	<p>8</p> <p>DRO System</p>
<p>9</p> <p>Flexiarm Lamp</p>	<p>10</p> <p>BS-0 Dividing Head</p>	<p>11</p> <p>Stub Milling Arbor 1" MT3</p>	<p>12</p> <p>Rotary Table 150mm</p>	<p>13</p> <p>Power Feed inc transformer</p>	<p>14</p> <p>Coolant System</p>		



626S TURRET MILL

The '626S' turret style mill is similar in appearance to its sister machine the 626. Differences between the two machines are table size, larger throat depth with movable ram and a heavy duty built in cast base cast base. This produces a machine with large capacity but in a compact size.



STANDARD ACCESSORIES

- Machine Work light
- 125mm Machine Vice
- MT3 Pozi-Lock Collet Set
- Drill Chuck and Arbor
- Machine Stand
- Drawbar
- Manual & Parts list

FEATURES

- 2HP Motor
- Large Table
- Large Throat Depth
- Head Swivels 90 degrees
- Head Tilts 90 degrees

SPECIFICATION

Drilling Capacity	32mm
End Milling Capacity	25mm
Face Milling Capacity	75mm
Table Size	860x250mm
Longitudinal Travel	440mm
Cross Travel	290mm
Ram Travel	240mm
Min Distance Spindle to Table	10mm
Max Distance between Spindle and Column	400mm
Head Tilt	45 deg Left or Right
Knee travel	460mmmm
'T' Slot Size	12mm
Number of Spindle Speeds	9
Spindle Speed Range	300-5000RPM
Spindle Stroke	100MM
Spindle Taper	MT3
Motor	2HP
Supply	240VOLT
Dimensions (WxDxH)	1499X1500X1800MM
Weight	500KGS
Stock Code	MIL-134-M
Price ex vat	£2,952.17
Price inc vat	£3,395.00

OPTIONAL ACCESSORIES

1  Chester Collet Set MT3	2  Swivel Base Vice 125mm	3  Boring Head Set MT3	4  1/2" Boring Tool Set	5  MT3 Taper Collets	6  Clamp Kit	7  Split Vice 5"	8  DRO System
9  Flexiarm Lamp	10  BS-0 Dividing Head	11  Stub Milling Arbor 1" MT3	12  Rotary Table 150mm	13  Power Feed inc transformer	14  Coolant System		



MODEL 'T' UNIVERSAL MILLING MACHINE

STANDARD ACCESSORIES

- Coolant Tray
- Halogen Worklight
- Tool Kit
- Manual & Parts List
- Table Power Feed
- Horizontal Arbors

FEATURES

- 240V Mains Operated
- Ground Column Slideways
- Variable Speed Horizontal + Vertical

SPECIFICATION

Table Width	240mm
Table Length	800mm
Longitudinal Travel	435mm
Cross Travel	280mm
Vertical Travel	860mm
Vertical Spindle Taper	ISO30
Horizontal Spindle Taper	ISO30
Max. Distance Spindle to Table	470mm
Min. Distance Spindle to Table	0
Max. Distance Vertical Spindle to Table	670mm
Min. Distance Vertical Spindle to Table	180mm
Max. Distance Horizontal Spindle to Table	370mm
Min. Distance Horizontal Spindle to Table	0
Number of Spindle Speeds	Variable
Range of Vertical Speeds	50-3000 rpm
Range of Horizontal Speeds	20-2500 rpm
Quill Travel	130mm
Horizontal Rotation of Ram	360°
Head Rotation (Left to Right)	90°
Net Weight	850kgs
Motor Vertical	2hp
Motor Horizontal:	1.5hp
Dimensions	2200 x 1250 x 1450mm
'T' Slot Size	14mm
Stock Code	MIL-TMILL
Price ex vat	£3651.30
Price inc vat	£4199.00



Delivery by Quotation

OPTIONAL ACCESSORIES

1  ER Collet Set ISO30	2  Swivel Base Vice 160mm	3  Boring Head Set 2" ISO30	4  1/2" Boring Tool Set	5  "V" Blocks 4"	6  Clamp Kit	7  Split Vice 5"	8  Combi Shell Mill Arbor 1"
9  BS-0 Dividing Head	10  Rotary Table 150mm						



836 TURRET MILLING MACHINE

STANDARD ACCESSORIES

- 2 - Axis Digital Readout
- X Axis Power Feed
- 150mm Vice
- Clamp Kit
- 5 - R8 Collets
- Halogen Lamp
- Coolant System
- Toolbox
- Guard
- One Shot Lubrication
- Manual and Parts List



Optional Digital Quill

Includes Digital Readout



Delivery by quotation

SPECIFICATION

Spindle Taper	R8
Diameter of Quill	86mm
Number of Spindle Speeds 240v	5
Number of Spindle Speeds 415v	10
Quill Travel	127mm
Head Movement	90 deg Left or Right
Distance Spindle to Table	350mm
Max. Distance Spindle to Column	410mm
Min. Distance Spindle to Column	400mm
Size of Table	200x660mm
Max weight of work piece	150kgs
Travel - X axis	609mm
Travel - Cross	240mm
T - Slots Size	16mm
T - Slot Centres	64mm
Number of 'T' Slots	3
Travel of Knee	355mm
Ram Travel	267mm
Motor	1 1/2hp
Power Supply	415volt or 240volt
Overall Dimensions (WxDxH)	1400x1300x1955mm
Net Weight	670kgs
Range of Speeds 240v	200-1300rpm
Range of Speeds 415v	100-1300rpm
Stock Code - 240volt	MILL-836-240
Stock Code - 415volt	MIL-836-415
Price ex vat	£4842.61
Price inc vat	£5569.00

OPTIONAL ACCESSORIES

1 Chester Collet Set R8	2 Swivel Base Vice 160mm	3 Boring Head Set R8	4 1/2" Boring Tool Set	5 R8 Collets	6 Clamp Kit	7 Split Vice 5"	8 BS-0 Dividing Head
9 Fly Cutter Set	10 Combi Shell Mill Arbor 1"	11 Rotary Table 150mm	12 Power Feed inc transformer	13 "V" Blocks 4"	14 Angle Plate 6"		

942 VS TURRET MILL



Optional: Digital Quill

STANDARD ACCESSORIES

- 2 Axis Digital Readout
- Longitudinal Power Feed
- K160 Machine Vice
- Coolant System
- Steel Coolant Tray
- Halogen Worklight
- One Shot Lubrication
- Interlocked Spindle Guard
- Tool Box
- Clamp Kit
- Set of R8 Collets
- Manual and Parts List
- Drill Chuck

FEATURES

- Digital Readout
- Central Lubrication System
- Variable Speed
- Power Feed Quill
- R8 Spindle
- Quill Power Feed Auto Stop
- Adjustable Leadnuts
- Longitudinal Table Stops
- Digital Speed Display

OPTIONAL ACCESSORIES

- Dividing Head
- Rotary Table
- Powered Cross Feed
- Powered Z Axis Feed
- 3 Axis DRO
- Boring Head
- Angle Plates

SPECIFICATION

Spindle Taper	R8
Diameter of Quill	86mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50-3500rpm
Spindle Travel	127mm
Quill Feed	0.04,0.08,0.15mm/rev
Head Movement	90° right/left 45° front/rear
Max Distance Spindle to Table	475mm
Min Distance Spindle to Table	115mm
Max Distance Spindle to Column	533mm
Min Distance Spindle to Column	165mm
Size of Table	230x1067mm
Longitudinal Travel Auto	710mm
Cross Travel	290mm
'T' Slot Size	5/8"
'T' Slot Centres	263mm
Number of 'T' Slots	3
Travel of Knee	390mm
Ram Travel	320mm
Motor	3hp
Power Supply	415v
Overall Dimensions(WxDxH)	1400x1450x2100mm
Net Weight	1000kgs



1050 VS TURRET MILL



Optional: Digital Quill

STANDARD ACCESSORIES

- 2 Axis Digital Readout
- Longitudinal Power Feed
- Cross Power Feed
- K160 Machine Vice
- Coolant System
- Steel Coolant Tray
- Halogen Worklight
- One Shot Lubrication
- Interlocked Spindle Guard
- Tool Box
- Clamp Kit
- Set of R8 Collets
- Manual and Parts List
- Drill Chuck

FEATURES

- Digital Readout 2 Axis
- Central Lubrication System
- Variable Speed
- Power Feed Quill
- R8 Spindle
- Quill Power Feed Auto Stop
- Adjustable Leadnuts
- Longitudinal Table Stops
- Square Slideways on Knee
- Digital Speed Display

OPTIONAL ACCESSORIES

- Rotary Table
- Dividing Head
- 3 Axis DRO
- Angle Plates
- Powered Z Axis Feed
- Air Powered Drawbar

SPECIFICATION

Spindle Taper	R8
Diameter of Quill	86mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50-3500rpm
Spindle Travel	127mm
Quill Feed	0.04,0.08,0.15mm/rev
Head Movement	90° right/left 45° front/rear
Max Distance Spindle to Table	420mm
Min Distance Spindle to Table	0mm
Max Distance Spindle to Column	660mm
Min Distance Spindle to Column	110mm
Size of Table	254x1270mm
Longitudinal Travel Auto	750mm
Cross Travel	300mm
'T' Slot Size	5/8"
'T' Slot Centres	63mm
Number of 'T' Slots	3
Travel of Knee	410mm
Ram Travel	550mm
Motor	3hp
Power Supply	415v
Overall Dimensions(WxDxH)	1500x1500x2200mm
Net Weight	1280kgs

1054 VS TURRET MILL



Optional: Digital Quill

FEATURES

- Automatic Central Lubrication System
- Variable Speed
- Power Feed Quill
- ISO40 Spindle
- Quill Power Feed Auto Stop
- Adjustable Leadnuts
- Longitudinal Table Stops
- Geared Longitudinal Power Feed
- Cross Power Feed
- Z Axis Power Feed
- Turcite Slideways
- Square Slideways on Knee
- 5hp Motor

STANDARD ACCESSORIES

- Air Powered Drawbar
- 2 Axis Digital Readout
- Longitudinal Power Feed
- Cross Power Feed
- Z Axis Power Feed
- K160 Machine Vice
- Coolant System
- Steel Coolant Tray
- Halogen Worklight
- Automatic Lubrication
- Interlocked Spindle Guard
- Tool Box
- Clamp Kit
- Manual and Parts List
- Drill Chuck

SPECIFICATION

Spindle Taper	ISO40
Diameter of Quill	100mm
Number of Spindle Speeds	Variable
Range of Spindle Speeds	50-3000rpm
Spindle Travel	127mm
Quill Feed	0.04,0.08,0.15mm/rev
Head Movement	90° right/left - 45° front/rear
Max Distance Spindle to Table	460mm
Min Distance Spindle to Table	40mm
Max Distance Spindle to Column	700mm
Min Distance Spindle to Column	200mm
Size of Table	254x1372mm
Max Weight of Workpiece	300Kgs
Longitudinal Travel Auto	765mm
Cross Travel	385mm
X Axis Feed Rates	24,40,65,100,185,285,470,720mm/min
'T' Slot Size	5/8"
'T' Slot Centres	2 1/2"
Number of 'T' Slots	3
Travel of Knee	420mm
Ram Travel	500mm
Motor	5hp
Power Supply	415v
Overall Dimensions(WxDxH)	1575x1575x2500mm
Net Weight	1500kgs



Gear Driven Table Feed



Air Powered Drawbar



TURRET MILL ACCESSORIES

Digi Quill



The Digital Quill is supplied as a self fitting kit comprising: special mounting bracket, digital scale unit, drive coupling, attachment screws and hexagon wrenches. No drilling or tapping of the machine head is necessary as the Digital Quill Bracket is designed to fit directly to the machine.

Features

- Fits most Bridgeport type mills
- Full fixing kit
- Simple installation
- Large easy to read LCD display
- Resolution 0.01mm/0.0005"
- Imperial/Metric conversion
- Zero set
- SPC data output
- Effective movement 145mm (5.725")

Step on Tray



Designed to fit the base of 'Bridgeport' style turret mills, these coolant trays are made from premium fibre glass, making them strong, light and resilient. The edges are covered in anti-slip tread, to allow the operator to stand on the tray when using the machine.

Knee / Powered Feed



Z Axis (knee) power feeds can be fitted to any Chester or Bridgeport Style of turret mill. Each unit can be retrofitted and uses 110v power supply, with variable speed and rapid feed facility.

Air Powered Drawbar



Air Powered Drawbars are suitable for either R8 or ISO40 spindle taper machines. Each system comes supplied with drawbar regulator drawbar drive motor.

Steel Guideway Covers



These covers provide a durable and strong cover for turret mill table guideways.

Raiser Blocks



Raiser Blocks elevate the height of the ram/head of a Turret Mill, two options are available 150mm and 200mm.

Rotary Table



see page 74

Machine Vice



see page 77

Collet Set



see page 63

Clamp Kit



see page 67

MILLPWR CNC SYSTEM



MILLPWR

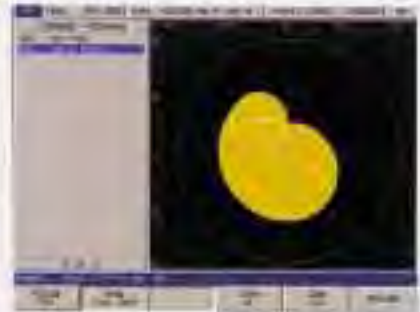


Automatic machining has for years relied upon CNC systems which are often complex to program and requires highly skilled operators. MillPwr form Acu-Rite re-defines these roles, with its uniquely intuitive user interface operation is easy, especially for operators with no NCN experience.

MillPwr's large 10" LCD screen offers the operator simple but comprehensive information regarding all aspects of the machine and work piece status.

Entering data is easy. dimensions are simply entered from the part print following a prompt screen.

Quality graphics assist the operator during and after part construction, verifying the job every step of the way.



FEATURES FOR PRODUCTIVITY:

- *2,2.5 or 3D options
- *Full range of drilling cycles including Full and Partial PCD
Liner/Row Column
Rectangular Frame and Array
- *Full range of Canned Cycles including:
Rectangular and Circular Pockets
Frames, Island and Bosses
Cams, Ellipses and Spirals
- *Contour Mirror, Rotate and Scale
- *3-D contouring
- *Import Files and Geometry from CADAM

**FROM PRINT TO PART. ITS
QUICKER,
EASIER,
& MORE PROFITABLE
WITH MILLPWR**

ACU-RITE



LEICESTER 28 MILL



SPECIFICATION

Area of Table - Vertical	280x700mm
Distance from Horizontal Spindle to Table	
Stage 1	35-385mm
Stage2	42-392mm
Stage3	132-482mm
Distance from Horizontal Spindle to Vertical Spindle	95mm
Horizontal Spindle Travel	200mm
Vertical Quill Travel	80mm
Spindle Taper	ISO40/MT4
Range of Horizontal Speeds	110-1230rpm
Number of Horizontal Speeds	8
Range of Vertical Speeds	150-1660rpm
Number of Vertical Speeds	8
Swivel – Vertical Spindle	±45°
Longitudinal Travel of Table	350mm
Vertical Travel of Table	350mm
Rapid Feed Rate Long & Vertical	1000mm/min
Feed Rate Long & Vertical	25-285mm/min
Main Motor	3Kw
Coolant Pump Motor	0.04Kw
Overall Dimensions (l x w x h)	1080x1110x1650mm
Net Weight	1100kgs

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- Machine Guard
- Horizontal Milling Arbor Support
- Vertical Head
- Longitudinal Power Feed
- Vertical Power Feed
- Drawbar
- Manual & Parts List

FEATURES

- Compact Design
- Optional Universal Table
- Rapid Feeds
- ISO40 Horizontal Spindle
- Inching for Speeds and Feeds
- Speed and Feed Selector Dial

OPTIONAL ACCESSORIES

- Universal Dividing Head
- Rotary Table
- Universal Table
- Slotting Head
- Boring Head
- Digital Readout
- Machine Vice
- Machine Milling Chuck

VANGUARD MILL



FEATURES

- Gear Driven Power Feed Table
- Heavy Duty Compact Design
- Vertical Head
- One Shot Lubrication to Guideways
- Swivel Table



SPECIFICATION

Cross Travel Hand	260mm
Longitudinal Travel Hand	560mm
Number of Spindle Speeds	6
Speed Range	63-1140 RPM
Table Swivel Left Right	45
Working Surface of Table Length mm	1000
Working Surface of Table Width mm	230
Weight	1100Kgs

STANDARD ACCESSORIES

- Coolant System
- Horizontal Arbor
- Draw Bar
- Halogen Lamp
- Machine Guard
- Coolant Tray
- Geared Table Power Feed
- Manual and Parts List



300 SERIES UNIVERSAL MILL



SPECIFICATION

Model	300	300-S
Table Surface	300x1150mm	300x1500mm
Rotation of Work Table	±45°	±45°
Number of 'T' Slots	3	3
Distance between 'T' Slots	18mm	18mm
Longitudinal Travel	680mm	1030mm
Cross Travel	235mm	235mm
Vertical Travel	400mm	400mm
Spindle Nose	ISO40	ISO40
Number of Spindle Speeds	12	12
Range of Spindle Speeds	35-1600rpm	35-1600rpm
Number of Feed Rates	14	14
Longitudinal Feed Rates	12 - 720mm/min	12 - 720mm/min
Cross & Vertical Feed Rates	4 - 240mm/min	4 - 240mm/min
Rapid Feed Speeds	700 + 2100mm/min	700 + 2100mm/min
Main Motor Drive	4Kw	4Kw
Feed Motor	0.75Kw	0.75Kw
Coolant Pump	0.4Kw	0.4Kw
Net Weight	2100Kgs	2200Kgs
Overall Dimensions	1690x1535x1630mm	1690x1880x1630mm

STANDARD ACCESSORIES FEATURES

- Coolant System
- 2 Axis Digital Readout
- Halogen Lamp
- Machine Guard
- Horizontal Arbor Supports
- Vertical Head
- Drip Tray
- Horizontal Arbor
- Table Guard
- Manual and Parts List
- Rigid Construction
- Auto Lubrication
- Square Guideways
- 3 Axis Power Feed
- 3 Axis Rapid Feed
- Work Table Rotates ±45°
- Ground Gears

OPTIONAL ACCESSORIES

- 3 Axis Digital Readout
- Universal Dividing Head
- Machine Vice
- Rotary Table
- Milling Collet Chuck
- Clamping Kit



Vertical Head

300 RTV UNIVERSAL MILL



SPECIFICATION

Model	300URT-V
Table Surface	300-1150mm
Number of 'T' Slots	3
Size of 'T' Slots	18mm
Distance between 'T' Slots	70mm
Longitudinal Travel	1030mm
Cross Travel	235mm
Vertical Travel	400mm
Spindle Tapers	ISO40
Number of Spindle Speeds(Universal Head)	Stepless
Range of Spindle Speeds	70-1600rpm
Number of Horizontal Spindle Speeds	12
Range of Horizontal Spindle Speeds	35-1600rpm
Number of Feed Rates	14
Longitudinal Feed Rates	12-720mm/min
Cross Feed Rates	12-720mm/min
Vertical Feed Rates	4-240mm/min
Rapid Longitudinal Feed	2100mm/min
Rapid Cross Feed	2100mm/min
Rapid Vertical Feed	700mm/min
Motor – Universal Head	2.2Kw
Motor – Horizontal	4Kw
Feed Motor	0.75Kw
Coolant Pump	0.4kw
Net Weight	2750Kgs
Overall Dimensions	1695 X 1535 X 1728mm

STANDARD ACCESSORIES FEATURES

- Coolant System
- Auto Lubrication System
- Horizontal Arbor Support
- 2 Axis Digital Readout
- Halogen Lamp
- Machine Guard
- Drawbars
- Manual and Parts List

- Universal Head
- Optional Dividing Head
- Heavy Duty Ribbed Cast Construction
- Table Rotates $\pm 45^\circ$
- Easily Accessible Controls
- 3 Axis Power Feed
- Square Ground Guideways

OPTIONAL ACCESSORIES

- Universal Dividing Head
- 3 Axis Digital Readout
- Rotary Table
- Machine Vice
- Clamping Kit
- Milling Collet Chuck



TRIUMPH MILLING MACHINE



SPECIFICATION

Table size(L*W)	1100x300mm
T-slot(Number/Width/Pitch)	3/14/80mm
Longitudinal travel(manual/power)	700/680mm
Transversal travel(manual/power)	270/250mm
Vertical travel(manual/power)	400/390mm
	375/365mm
Distance from center T-slot to vertical guide-way surface of the bed(min/max)	160/430mm
Distance from spindle center line to table surface(min/max)	10/410mm
	15/390mm
Max.swivel angle of table	±45°
Swivel angle of 45° universal rotary milling head	±360°
Spindle speed class	18 class
Spindle speed(Horizontal spindle)	32-1600rpm
Spindle speed(Vertical spindle)	38-1800rpm
Spindle taper	ISO7:24 Taper:No.40
X feed speed	15-1200mm/min
Y feed speed	15-1200mm/min
Z feed speed	5-400mm/min
X rapid speed	2450mm/min
Y rapid speed	2450mm/min
Z rapid speed	820mm/min
Feed speed step	18 class
Spindle motor power/speed(Horizontal)	4/1440
Spindle motor power/speed(Vertical)	2.2/1440
Feed motor power/speed	1.1/1440kw/rpm
Overall dimension(L*W*H)	2225x1670x1697mm
Packing size(L*W*H)	2070x1940x2010mm
Machine weight	2250kgs

FEATURES

- Hardened Rectangular Ways
- Gears, Hardened and Precision Ground
- Universal Head rotates 60 degrees
- Pendant Control Box

STANDARD ACCESSORIES

- Horizontal Milling Arbors
- Drill Chuck and Arbors
- Reducing Sleeves
- Drawbar
- Low Volt Halogen Worklamp
- Central Lubrication
- Coolant System
- 3-Axis DRO
- Collet Chuck

OPTIONAL ACCESSORIES

- Rotary Table
- Milling Vice
- Universal Dividing Head
- Clamping Kit

260 SERIES UNIVERSAL MILL



Angled Milling



Horizontal Milling

SPECIFICATION

Table Area	1120 x 260mm
'T' Slot Size	14mm
Spindle Taper	ISO40
Horizontal Spindle Taper	ISO40
Number of Speeds	11
Spindle Speed Range	40 - 1600rpm
Table Travel X Axis	600mm
Table Travel Y Axis	280mm
Table Travel Z Axis	440mm
Swivel Angle of Vertical Head	360°
Table Feed Speeds X Axis	24 - 402 rpm
Table Feed Speed Y Axis	24 - 402rpm
Max: Distance Spindle to Table	460mm
Min: Distance Spindle to Table	120mm
Distance Spindle to Column Surface	0 - 440mm
Spindle Motor	2.2Kw
Feed Motor	0.37Kw
Elevating Motor	0.75Kw
Dimensions	1655 x 1325 x 1730mm
Net Weight	1660Kgs

STANDARD ACCESSORIES

- Halogen Lamp
- 2 Axis Digital Readout
- Power Feeds
- Horizontal Arbor Support
- Collet Chuck
- Drawbar
- Table Guard
- Coolant System
- Machine Vice
- Manual and Parts List

FEATURES

- 3 Axis Digital Readout
- 3 Axis Power Feed
- Large Table Area
- Compact Design
- Universal Head
- Horizontal Milling

OPTIONAL ACCESSORIES

- Rotary Table
- Clamp Kit
- Dividing Head
- Full Universal Dividing Head
- End Mill Arbors
- Drill Chuck and Arbor
- Boring Head
- Angle Plates



LEICESTER 32/40 MILL



SPECIFICATION

Model	LEICESTER 32	LEICESTER 40
Working Tables		
Horizontal Table(wxl)	320x750mm	400x800mm
Vertical Table	225x830mm	250x950mm
Longitudinal Travel -X	400mm	500mm
Transverse Travel – Y	300mm	350mm
Vertical Travel – Z	390mm	400mm
Universal Table Horizontal Swivel	±360°	±360°
Universal Table Inclination to Front and Rear	±30°	±30°
Universal Table Inclination to Left & Right	±30°	±30°
Vertical Spindle – Quill Travel	80mm	80mm
Vertical Spindle Inclination – Left to Right	±90°	±90°
Horizontal Spindle Taper	ISO40	ISO40
Min: Distance Horizontal Spindle Axis – Horizontal Table	22mm	50mm
Vertical Spindle Taper	ISO40	ISO40
Min Distance Vertical Spindle – Horizontal Table	0mm	0mm
Nos: Horizontal & Vertical Spindle Speeds	18	18
Range of Speeds	40-2000rpm	50-2500rpm
Longitudinal & Vertical Feed Range	10-380mm/min	10-1000mm/min
Longitudinal & Vertical Rapid Feed	1500mm/min	1500mm/min
Number of Feeds – Vertical Spindle	0	3
Feed Rates – Vertical Spindle	0	00.03-0.12mm/rev
Main Motor	2.2Kw	3Kw
Feed Motor	1Kw	1.5-2.2Kw
High Pressure Pump Motor	0.25Kw	0.25Kw
Self-Lubricating Pump Motor	0.1Kw	0.1Kw
Coolant Pump Motor	0.4Kw	0.4Kw
Max Table Load	300Kgs	400Kgs
Overall Dimensions	1215x1200x1800mm	1380x1650x1880mm
Net Weight	1300Kgs	2500Kgs

FEATURES

- Compact Machine
- Auto Lubrication
- Ribbed Cast Iron Table
- 3 Axis Power Feeds
- 18 Speeds
- Hardened Guideways

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- Machine Guard
- Horizontal Arbor Support
- Drawbars
- Vertical Head
- Manual and Parts List

OPTIONAL ACCESSORIES

- Universal Dividing Head
- Rotary Table
- Slotting Head
- Boring Head
- Digital Readout
- Milling Collet Chuck
- Machine Vice

U40 MILLING MACHINE



Vertical Head

SPECIFICATION

Spindle Taper – Horizontal	ISO50
Spindle Taper – Vertical	ISO40
Distance between Spindle and Table	400mm
Distance between Spindle and Column	175mm
Spindle Speeds at 50Hz	58-1800rpm
Spindle Speeds at 60Hz	70-2160rpm
Table Size	1320 x 320mm
Longitudinal Travel	750mm
Cross Travel	252mm
Vertical Travel	400mm
Longitudinal Power Feed	20-360mm/min
Longitudinal Rapid Power Feed	1200mm/min
Cross Power Feed	24-432mm/min
Cross Rapid Power Feed	1440mm/min
'T' Slot Size	14mm
Number of 'T' Slots	5
Distance between 'T' Slots	63mm
Ram Travel	500mm
Main Motor Power	4Kw
Feed Motor Power	0.55Kw
Coolant Motor Power	0.9Kw
Coolant Flow	25L/min
Overall Dimensions (LxWxH)	1900x1720x1750mm
Net Weight	2100Kgs

FEATURES

- Full Lubrication System
- Hardened Guideways
- Three Bearing Spindle
- Pendant Controls
- Heavy Construction for Rigidity

STANDARD ACCESSORIES

- Halogen Lamp
- Coolant System
- 2 Axis Digital Readout
- Chip Tray
- Horizontal Arbor Support
- Horizontal Arbor
- Foundation Bolts
- Table Guard
- Vertical Head

OPTIONAL ACCESSORIES

- Rotary Table
- Machine Vice
- Milling Collet Chuck
- Universal Dividing Head
- 3 Axis Digital Readout



WORCESTER 30 MILL



SPECIFICATION

Horizontal Table(wxl)	300x1120mm
Longitudinal Travel -X	700mm
Transverse Travel – Y	290mm
Vertical Travel – Z	400mm
T Slot Size	14mm
Number of ‘T’ Slots	3
Distance between ‘T’ Slots	63mm
Spindle Taper	ISO40
Min: Distance Horizontal Spindle Axis – Horizontal Table	30mm
Max: Swivel Angle of Table	±45°
Max: Distance Spindle Axis to Table	430
Max: Distance between Spindle Axis and Arbor	392mm
Range of Speeds	51-2150rpm
Number of Speeds	18
Longitudinal Feed Range	22-1000mm/min
Longitudinal Rapid Feed	2200mm/min
Cross Feed Range	15-700mm/min
Cross Rapid Feed	1540mm/min
Vertical Feed Range	8-360mm/min
Vertical Rapid Feed	790mm/min
Main Motor	5.5Kw
Feed Motor	15Nm
Max: Bearing Weight of Table	250kgs
Overall Dimensions (LxWxH)	1830x1660x1760mm
Net Weight	2200Kgs

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- Machine Guard
- Horizontal Milling Arbor Support
- Vertical Head
- Longitudinal Power Feed
- Vertical Power Feed
- Drawbar
- Manual & Parts List

FEATURES

- Compact Design
- Optional Universal Table
- Rapid Feeds
- ISO40 Horizontal Spindle
- Inching for Speeds and Feeds
- Speed and Feed Selector Dial

OPTIONAL ACCESSORIES

- Universal Dividing Head
- Rotary Table
- Universal Table
- Slotting Head
- Boring Head
- Digital Readout
- Machine Vice
- Machine Milling Chuck



SPECIFICATION

Model	460RT	560RT
Table Surface	460x1635mm	560-2000mm
Number of 'T' Slots	5	5
Size of 'T' Slots	18mm	18mm
Distance between 'T' Slots	80mm	80mm
Longitudinal Travel	1000mm	1500mm
Cross Travel	650mm	650mm
Vertical Travel	470mm	470mm
Swivel Angle of Milling Head	360°	360°
Spindle to Table Min:	40mm	40mm
Spindle Tapers	ISO50	ISO50
Number of Spindle Speeds(Universal Head)	27	27
Range of Spindle Speeds	30-2050rpm	30-2050rpm
Number of Feed Rates	Variable	Variable
Longitudinal Feed Rates	10-1000mm/min	10-1000mm/min
Cross Feed Rates	10-1000mm/min	10-1000mm/min
Vertical Feed Rates	6-640mm/min	5-500mm/min
Rapid Longitudinal Feed	2200mm/min	2200mm/min
Rapid Cross Feed	2200mm/min	2200mm/min
Rapid Vertical Feed	1466mm/min	1466mm/min
Rotation of Table	±45°	±45°
Main Motor	Kw	7.5Kw
Feed Motor	30Nm	30Nm
Rapid Motor	3Kw	3Kw
Max Bearing Weight of Table	1000kgs	1500kgs
Dimensions	2125x2620x1965mm	2100x2986x1950mm
Net Weight	3200Kgs	3700Kgs

FEATURES

- Large Table
- Pendant Controls
- Long Cross Travel
- Table Rotates ±45°
- Wide Range of Speeds
- Heavy Duty Cast Table for Large Workpieces
- Variable Speed Feeds
- Servo Motor Drive to Feeds

STANDARD ACCESSORIES

- Coolant System
- 2 Axis Digital Readout
- Drawbar
- Manual and Parts List
- Halogen Lamp
- Auto Lubrication System
- Foundation Bolts

OPTIONAL ACCESSORIES

- Machine Vice
- Rotary Table
- Semi-Universal Dividing Head
- Clamping Kit
- 3 Axis Digital Readout
- Drip Tray



WARRIOR MILL



ALSO AVAILABLE WITH CNC

STANDARD ACCESSORIES

- Mill Collets
- Draw Bar
- Machine Vice
- Coolant System
- Work Lamp
- Table Elevating Motor
- Convergent Panel
- Wrench
- Spanner
- Middle Sleeve
- Elevating Rotary Handle
- Oil Collecting Plate
- Operation Manual

FEATURES

- Variable Speed Head
- Pendant Control Box
- Steel Slide Way Covers
- 400 kg Table

OPTIONAL ACCESSORIES

- Digital Readout Sytem(2-axis DRO)
- Digital Readout Sytem(3-axis DRO)
- Clamping Kits (52pc/set)
- Rotary Worktable
- Dividing Head

SPECIFICATION

Spindle taper	ISO40	
Spindle travel(mm)	120	
Swivel angle of milling head	±45°	
Spindle speed range (r.p.m)(steps)	75-3500(10)	
Table size(mm)	1250x360	
Table travel(mm)	Horizontal	1000
	Cross	400
	Vertical	460
T-slot of table(Number-Width-Length) (mm)	3/18/80	
Main motor(Kw)	5.5	
Overall dimension(mm)	2220x1830x2340	
Weight	2350	

HERCULES MILLING MACHINE



SPECIFICATIONS

Table size	2100*500mm
No. of T-slots	4
Width of T-slots	20mm
Max.load	2000kg
Longitudinal travel	1500mm
Cross travel	700mm
Vertical travel	0-700mm
Feed speed	20-1800mm/min
Rapid feed speed	3500mm/min
Spindle speed range	40-1600r/min
Spindle speed step	12 steps
Distance between spindle axis and vertical guideway	610mm
Power of spindle motor	7.5kw
Overall dimensions(L*W*H)	3300*2380*2750mm
Net weight	7300kg

FEATURES

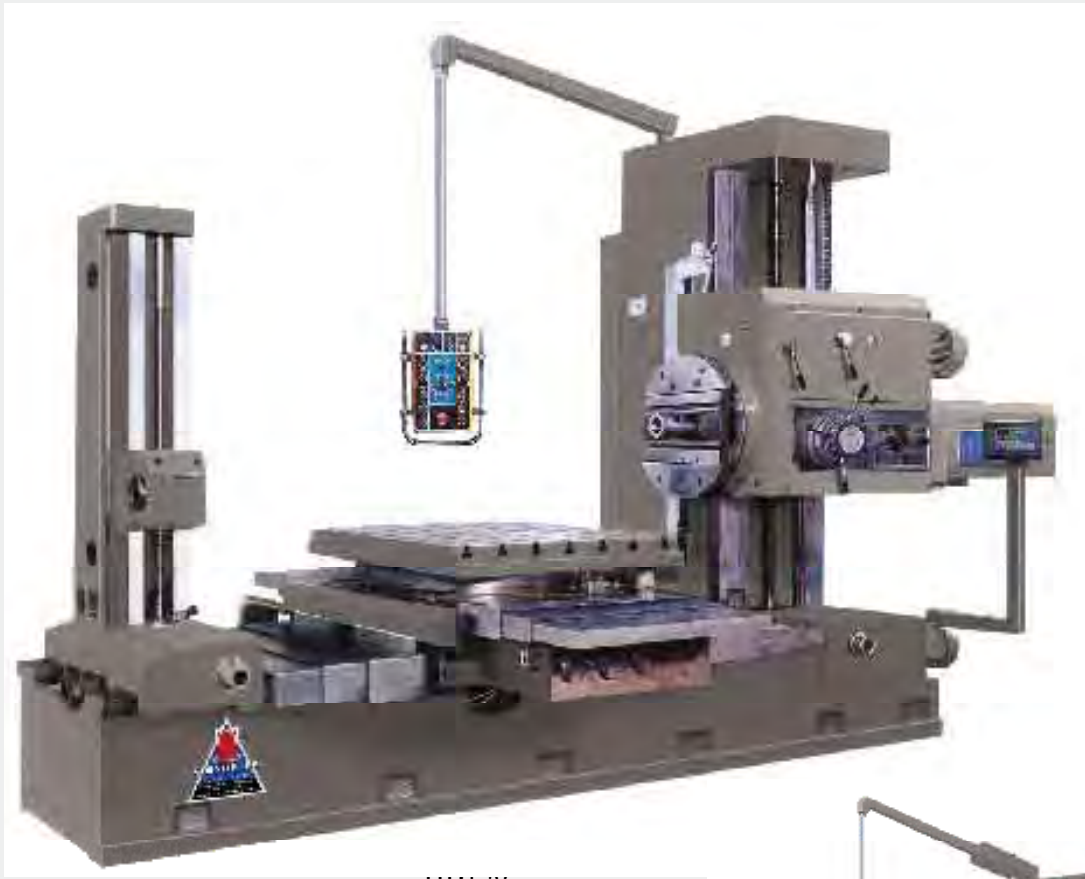
- Large Milling Table
- Large Load Capacity
- Universal Head
- Large Bedways for High Stability
- Pendant Control Box

STANDARD ACCESSORIES

- Milling Arbors
- Drawbar
- Low Volt Halogene Worklamp
- Central Lubrication
- Coolant Tray
- 3-Axis DRO



HORIZONTAL BORING MACHINES



HB100



HB110

SPECIFICATIONS

Model	HB110	HB110/2	HB110/3
Spindle diameter	Φ110mm	Φ110mm	Φ110mm
Workable size(L×W)	1320×1010mm	1320×1010mm	1320×1010mm
Max.loading of worktable	5000kgs	5000kgs	5000kgs
Distance from spindle center to table top	5-905mm	5-905mm	5-1205mm
Longitudinal and transverse travel of table	850mm	1200mm	1800mm
Longitudinal travel of table	1100mm	1100mm	1100mm
Headstock vertical travel	900mm	900mm	1200mm
Axial travel of spindle	550mm	550mm	550mm
Max.boring diameter	240mm	240mm	240mm
Max.drilling diameter	50mm	50mm	50mm
Inner hole taper of spindle	morseNo.6	morseNo.6	morseNo.6
Facing head tool holder's radial travel	160mm	160mm	160mm
Max.allowable axial feed force on spindle	13000	13000	13000
Spindle speed step	18steps	18steps	18steps
Facing head speed step	16steps	16steps	16steps
Spindle speed range	12-950rpm	12-950rpm	12-950rpm
Facing head speed range	4-160rpm	4-160rpm	4-160rpm
Main motor power	6.5/8KW	6.5/8KW	6.5/8KW
Worktable rotary positioning accuracy	±6"	±6"	±6"
Overall dimensions	4970×2100×3010mm	4970×2330×3010mm	4970×27170×3120mm
Netweight	10700 kgs	12500 kgs	14500 kgs

Model	HB90
Spindle diameter	90mm
Spindle taper	Morse 5#
Spindle speed	20-1000r/min
Power of main drive motor	6.5/8.0kW
Max.drilling capacity of spindle	65mm
Max.boring capacity of spindle	240mm
Speed of facing chuck	10-200r/min(14 steps)
Travel of facing chuck slide	170mm
Max.boring capacity of facing chuck	450mm
Table size(L×W)	1000*800mm
Max.load of table	2000kg
Transverse travel of table(X)	850mm
Vertical travel of spindle head(Y)	755mm
Longitudinal travel of table(Z)	1080mm
Axial travel of spindle	600mm
Feeds of X.Y.Z.W axes per spindle revolution	W:18 class 0.05-16mm/rev X.Y.Z:18 class 0.025-8mm/rev
DRO	X,Y
Weight of machine	10500kg
Overall dimensions LXWXH	5075X2345X2730mm

Model	HB130	HB130/2
Boring Spindle Diameter	130mm	130mm
Spindle Taper	Metric 80	Metric 80/ISO50
Spindle Torque – Max:	3136mm	3136mm
Facing Head Torque	4900mm	4900mm
Spindle Thrust – Max:	31360mm	31360mm
Spindle Travel	900mm	900mm
Number of Spindle Speeds	24	24
Spindle Speeds	4-800rpm	4-800rpm
Facing Slide Travel	250mm	250mm
Table Size	1600x1400mm	1800x1600mm
Workpiece Weight Max:	8000kgs	10000kgs
Spindle Axis to Table Min:	0	0
Spindle Axis to Table Max:	1400mm	1800mm
Table Travel	1500x1600mm	2000x2000mm*
Spindle, Headstock and Table Feeds	0.05-8/0.01-2mm/rev	0.05-8/0.01-2mm/rev
Main Motor	15Kw	15Kw
Net Weight	24000Kgs	29300Kgs
Overall Dimensions	6995 x 3647 x 3442mm	7149 x 4665 x 3800mm

CNC HORIZONTAL BORING MACHINE



HB110CNC

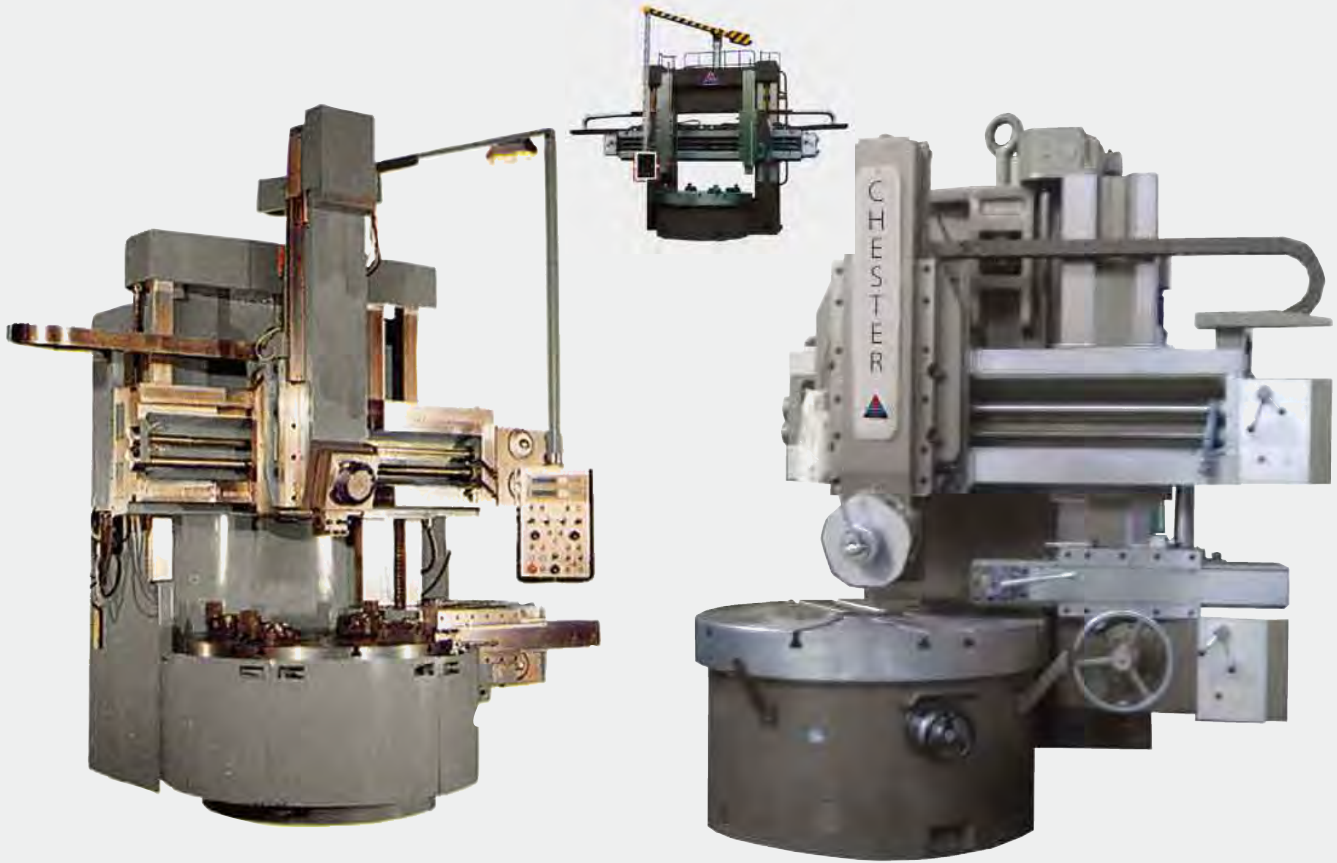


HB130CNC

SPECIFICATIONS

Model	HB110CNC	HB110-1CNC	HB130CNC
Spindle diameter	Φ110	Φ110	Φ110
Worktable size(L*W)	1320*1010mm	1320*1010mm	1320*1010mm
Max.loading of worktable	5000kg	5000kg	5000kg
Distance from spindle center to table top	5-905mm	5-905mm	5-1205mm
Transverse travel of table(X)	850mm	1200mm	1800mm
Longitudinal travel of table(Z)	1300mm	1300mm	1300mm
Headstock vertical travel(Y)	900mm	900mm	1200mm
Spindle axial travel(W)	550mm	550mm	550mm
Max.boring diameter	Φ240	Φ240	Φ240
Max.drilling diameter	Φ50	Φ50	Φ50
Inner hole taper of spindle	BT50	BT50	BT50
Facing head tool holder's radial travel	160mm	160mm	160mm
Max.machining diameter of facing head tool holder	630mm	630mm	630mm
Facing head tool holder feeding step	Variable speed	Variable speed	Variable speed
Feeding range	0.2-330mm/min	0.2-330mm/min	0.2-330mm/min
Spindle feeding step	Variable speed	Variable speed	Variable speed
Feeding range	0.5-1000mm/min	0.5-1000mm/min	0.5-1000mm/min
Spindle rapid traverse	3600mm/min	3600mm/min	3600mm/min
Facing head tool holder rapid traverse	1180mm/min	1180mm/min	1180mm/min
Max.allowable torque on spindle	1100N.m	1100N.m	1100N.m
Max.allowable torque on facing head	1100N.m	1100N.m	1100N.m
Max.allowable axial feed force on spindle	13000N	13000N	13000N
Spindle speed step	Variable speed	Variable speed	Variable speed
Facing head speed step	Variable speed	Variable speed	Variable speed
Spindle speed range	12-1100rpm	12-1100rpm	12-1100rpm
Facing head speed range	4-130rpm	4-130rpm	4-130rpm
Main motor power	11/15kw	11/15kw	11/15kw
Rapid traverse	5000mm/min	5000mm/min	5000mm/min
Positioning accuracy X	0.032mm	0.04mm	0.04mm
Positioning accuracy Y	0.032mm	0.032mm	0.04mm
Positioning accuracy Z	0.04mm	0.04mm	0.04mm
Repeated positioning accuracy	0.015mm	0.015mm	0.015mm
Overall dimensions	4970*2100*3010mm	4970*2330*3010mm	4970*2717*3120mm
Net weight of machine	10700kg	12000kg	14500kg

VERTICAL BORING MACHINES



4 Way Horizontal Toolpost



5 Way Turret



Bearing Support for Table

SPECIFICATIONS

Model	VB1000	VB1250	VB1600	VB2000
Max Turning Diameter	1000mm	1250mm	1600mm	2000mm
Table Diameter	900mm	1010mm	1400mm	1800mm
Workpiece Height – Max:	800mm	1000mm	1000mm	12500/16000mm
Workpiece Weight – Max:	2000kgs	5000kgs	5000/8000kgs	8000/12000kgs
Speed	8-250rpm	6.3-200rpm	5-160rpm	2.5-125rpm
Number of Speeds	16	16	16	16
Toolhead Feed	0.8-86mm/rev	0.8-86mm/rev	0.8-86mm/rev	0.8-86mm/rev
Number of Toolhead Feed Rates	12	12	12	12
Railhead Ram Travel- Vertical	650mm	650mm	800mm	800mm
Railhead Travel-Horizontal	670mm	700mm	915mm	1220mm
Rail Travel-Vertical	580mm	750mm	760mm	1350mm
Elevating Speed of Rail	440mm/min	440mm/min	440mm/min	440mm/min
Side Head Horizontal Travel	500mm	500mm	500mm	630mm
Side Head Vertical Travel	810mm	970mm	980mm	1700mm
Rapid Feed of Toolhead	1800mm/min	1800mm/min	1800mm/min	2500mm/min
Main Motor	22kw	22kw	30kw	37kw
Dimensions	2100x2400x3510mm	2360x2280x2680mm	2830x2670x3870mm	3210x2850x4500mm
Net Weight	7100kgs	8300kgs	12600kgs	26500kgs

SHAPING MACHINES



SPECIFICATIONS

Model	S63	S70	S100
Shaping Length	630mm	700mm	1000mm
Max: Distance Lower Edge of Ram to Table	385mm	420mm	400mm
Max: Travel of Table Vertical	360mm	320mm	320mm
Max: Travel of Table Horizontal	630mm	630mm	800mm
Max: Swivel Angle of Toolhead - Without Vice	90°	90°	90°
Max: Swivel Angle of Toolhead - With Vice	55°	55°	55°
Tool Slide Travel	120mm	125mm	160mm
Frequency of Ram Strokes – per min	14,20, 28,40,56,80	11,20, 38,52,72,100	8,11,17, 23,32,45,64,92
Pawl Riding over 1 Ratchet Tooth, Horizontal	0.2mm	0.15mm	0.25mm
Rapid Travel – Horizontal	550mm/min	550mm/min	550mm/min
Rapid Travel – Vertical	350mm/min	350mm/min	350mm/min
Motor	3Kw	4Kw	7.5Kw
Net Weight	1750kgs	2900kgs	4000kgs

FEATURES

- Auto Lubrication to Gears
- Rigid Cast Iron Construction
- Hand Scraped Guideways

STANDARD ACCESSORIES

- Coolant System
- Halogen Lamp
- Universal Table
- Vice
- Emergency Stop Switch

OPTIONAL ACCESSORIES

- Clamping Kit
- Tilting Table
- Rotary Table

DRILLING MACHINES

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.



VARIABLESPEEDDRILLPRESSWITHLASERALIGNMENT



FEATURES

- Laser alignment system
- Variable speed selections for various drilling applications
- Heavy-duty induction motor for long-lasting performance



Specifications:

Drilling Capacity	16mm
Chuck Capacity	16mm
Spindle Travel	60mm
Spindle Taper	MT2
Swing	308mm
Work Table Adjustment	0° -45°
Column Diameter	58mm
Work Table Size	283x283mm
Base Size	380x251mm
Spindle Speed	300-2600rpm
Motor Power	450W
Overall Height	840mm

D SERIES DRILLING MACHINES

STANDARD ACCESSORIES

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



D13



D13R



D16



D19



D13 & D13R Belt Drive System

SPECIFICATION

Drill	D13	D13R	D16	D19
Throat	104mm	125mm	165mm	178mm
Drilling Capacity	13mm	13mm	16mm	20mm
Chuck Size	1-13mm	1-13mm	3-16mm	3-16mm
Spindle Travel	50mm	60mm	80mm	80mm
Spindle Distance to Base	350mm	535mm	620mm	600mm
Spindle Distance to Table	210mm	415mm	450mm	410mm
Table Size (mm)	165x160mm	190x195mm	300 mm dia	290 x 290mm
Spindle Taper	B16	MT2	MT2	MT2
Column Diameter	48mm	60mm	70mm	80mm
Number of Spindle Speeds	5	5	12	12
Range of Spindle Speeds (rpm)	600-2500rpm	460-2890rpm	210-2580rpm	120-2580rpm
Overall Height	585mm	80mm	990mm	1000mm
Base Size (mm)	280x175mm	200x330mm	230x400mm	430 x 270mm
Motor	250w	370w	550w	650w
Net Weight	17kgs	29kgs	42kgs	86kgs
Stock Code	DRI-D13	DRI-D13R	DRI-D16	DRI-D19
Price ex vat	£65.17	£91.30	£156.48	£199.13
Price inc vat	£74.95	£104.99	£179.95	£229.00

Delivery by Quotation on all Models

OPTIONAL ACCESSORIES

1  Drill Press Vices	2  Drill Bits	3  Deburring Tools 60	4  Transfer Punches	5  Clamp Kit	6  Flex-arm Lamp	7  Tapping Heads	8  Reducing Sleeves
---	--	--	--	---	---	---	--

D SERIES DRILLING MACHINES

STANDARD ACCESSORIES

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



D20



D32



D32 Belt Drive System

SPECIFICATION

Drill	D20	D32
Throat	178mm	254mm
Drilling Capacity	20mm	32mm
Chuck Size	3-16mm	3-16mm
Spindle Travel	80mm	115mm
Spindle Distance to Base	78mm	1250mm
Spindle Distance to Table	114mm	650mm
Table Size (mm)	285x285mm	420x470mm
Spindle Taper	MT2	MT3
Column Diameter	70mm	90mm
Number of Spindle Speeds	12	12
Range of Spindle Speeds (rpm)	120-2580rpm	150-2700rpm
Overall Height	1630mm	1710mm
Base Size (mm)	460x275	450x570mm
Motor	650w	1500w
Net Weight	70kgs	148kgs
Stock Code	DRI-D20	DRI-D32
Price ex vat	£196.48	£378.26
Price inc vat	£225.95	£435.00

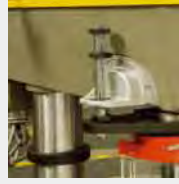
OPTIONAL ACCESSORIES

1  Drill Press Vices	2  Drill Bits	3  Deburring Tools 60	4  Transfer Punches	5  Clamp Kit	6  Flex-arm Lamp	7  Tapping Heads	8  Reducing Sleeves
---	--	--	--	---	--	---	--



PROVS DRILLING MACHINES

PRO -17VS



Cast Aluminium Quill Depth Bracket



Variable Speed Change Lever



PRO25-17VS Belt Drive System

PRO -18VS



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	PRO -17VS	PRO -18VS
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	1100w	2hp
Power Supply	240volt	240volt
Overall Dimensions (WxDxH)	800x450x1700mm	900x500x1800mm
Net Weight	100kgs	350kgs
Range of Speeds	280-2500rpm	85-1900rpm
Stock Code	DRI-PRO25-17VS	DRI-PRO25-18VS
Price ex vat	£329.57	£865.22
Price inc vat	£379.00	£995.00

Delivery by quotation

OPTIONAL ACCESSORIES

1  Drill Press Vices	2  Drill Bits	3  Deburring Tools 60	4  Transfer Punches	5  Clamp Kit	6  Flex-arm Lamp	7  Tapping Heads	8  Reducing Sleeves
---	--	--	--	---	--	---	--

PRO 20/25 DRILLING MACHINES



SPECIFICATIONS

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

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.

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	1hp	1.5hp
Power	415v	240v or 415v
Weight	108kgs	190kgs
Dimensions(hxwx d)	1050x680x360mm	1680x435x840mm

PRO-VDRILLINGMACHINES



PRO - V20



PRO - V25



PRO - V30

SPECIFICATIONS

Model	PRO-V 20	PRO-V25	PRO-V30
Max. Drill Capacity	20 mm	25 mm	30 mm
Max. Tapping Capacity	12 mm	14 mm	20 mm
Spindle Taper	MT 2	MT 3	MT 3
Speeds	100 – 1500rpm	100 – 1800rpm	L100 - 900rpm H 200 – 1800rpm
Quill Stroke	80 mm	100 mm	120 mm
Throat	250 mm	280 mm	310 mm
MaxDistance Spindle Nose to Table	380 mm	460 mm	600 mm
Max. Distance Spindle Nose to Base	750 mm	930 mm	1160 mm
Table Size	320 x 360 mm	400 x 350 mm	440 x 390 mm
Number of 'T' Slots	3	3	3
'T'- Slot Size	12 mm	14 mm	14 mm
Column Diameter	90 mm	110 mm	120 mm
Motor	1 Kw	1.5 Kw	1.5 Kw
Power Supply	240v 50Hz	240v 50Hz	240v 50Hz
Overall Dimensions	680 x 386 x 1218mm	740 x 450 x 1700mm	844 x 558 x 1805mm
Net Weight	220 kgs	321 kgs	563 kgs

FEATURES

- Variable Spindle Speed - eliminates need to change belts
- Digital Speed Readout - gives instant spindle speed
- Digital Quill Travel Readout - for accurate depth drilling
- Tapping Function - built into the machine
- Large Speed Range - for a variety of work situations
- Auto Tool Eject - releases tooling quickly
- Touch Sensitive Controls - for ease of use

STANDARD ACCESSORIES

- Drill Chuck & Arbor
- Interlocked Guard
- Manual and Parts List
- Foundation Bolts
- Reducing Sleeves

Built with a Variable Speed System, these machines are designed to be quiet running whilst also giving a wide range of speeds. The rigid cast iron construction, digital speed readout and digital depth gauge provide the user with a machine that is strong, accurate and simple to operate.

BD/FD DRILLING MACHINES



SPECIFICATIONS

Model	BD25G	FD25G	FD25G-P
Drilling Diameter in Iron	35mm	35mm	35mm
Drilling Diameter in Steel	25mm	25mm	25mm
Main Motor Power	0.75/1hp	0.75/1hp	0.75/1hp
Spindle Taper	MT3	MT3	MT3
Spindle Speeds	100-2900rpm	100-2900rpm	100-2900rpm
Number of Speeds	8	8	8
Feed Rates	n/a	n/a	0.08-0.24mm/rev
Number of Feed Rates	n/a	n/a	3
Spindle Quill Travel	140mm	140mm	140mm
Head Travel	455mm	240mm	240mm
Surface of Table		310x275mm	310x275mm
'T' Slot Size	14mm	14mm	14mm
Distance between 'T' Slot Centres	188mm	158mm	158mm
Distance Spindle to Table(max)	N/a	600mm	600mm
Throat (spindle centre to column)	225mm	225mm	225mm
Distance Spindle to Base Plate (max)	470mm	1075mm	1075mm
BasePlate Size	300x305mm	300x 315mm	300x315mm
Overall Dimensions(LxWxH)	580x470x1000mm	640x470x1670mm	640x470x1670mm
Net Weight	170kgs	270kgs	290kgs
Power Supply	415v 50Hz	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

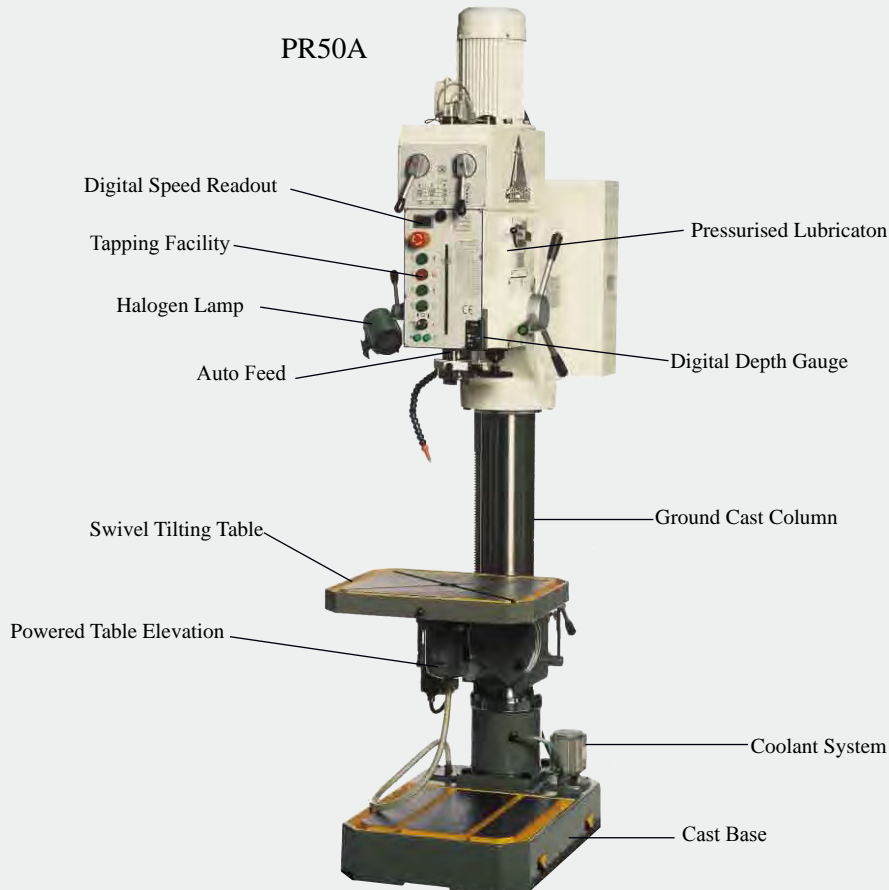
These drills are superbly finished with precision ground tables and column. All models are supplied with drill chuck guards and No Volt Release safety switchgear. Ideal for the general workshop, each machine is easy to use with simple robust controls capable of withstanding continuous use.

PR DRILLING MACHINES

SPECIFICATIONS

Model	PR40	PR50	PR50A	PR60	PR80+
Max Drilling Diameter (Steel)	25mm	35mm	35mm	40mm	50mm
Max Tapping Diameter (Steel)	M18	M22	M22	M24	M30
Max Milling Cutter Diameter	N/a	80mm	80mm	80mm	80mm
Throat	240mm	340mm	340mm	360mm	360mm
Max Distance Spindle Nose to Table	675mm	580mm	580mm	590mm	550mm
Max Distance Spindle Nose to Base	1140mm	1195mm	1195mm	1175mm	1170mm
Spindle Travel	110mm	190mm	190mm	200mm	200mm
Spindle Taper	MT3	MT4	MT4	MT4	MT4
Spindle Speed Range	125-2825rpm	75-2020rpm	75-2020rpm	52-1400rpm	50-2200rpm
Number of Spindle Speeds	6	12	12	n/a	n/a
Nos of Feeds	n/a	3	3	4	6
Feed Rates/Range	n/a	0.1,0.2,0.3mm/r	0.1,0.2,0.3mm/r	0.1-0.4mm/r	0.08-0.5mm/r
Max Travel of Worktable	440mm	430mm	430mm	410mm	410mm
Table Swivel	n/a	±45°	±45°	±45°	±45°
Table Work Area	400x330mm	540x440mm	540x440mm	580x460mm	580x460mm
Base Work Area	310x320mm	415x400mm	415x400mm	445x435mm	445x435mm
Number of 'T' Slots – Table	2	2	2	3	3
Size of 'T' Slots – Table	14mm	14mm	14mm	14mm	14mm
Number of 'T' Slots – Base	2	2	2	2	2
Size of 'T' Slots –Base	14mm	14mm	14mm	14mm	14mm
Diameter of Column	100mm	140mm	140mm	160mm	180mm
Power of Spindle Motor	0.75Kw	1.5Kw	1.5Kw	2.2Kw	2.2Kw
Power of Elevation Motor	n/a	n/a	0.25Kw	0.25Kw	0.25Kw
Coolant Pump Motor	0.18Kw	0.18Kw	0.18Kw	0.18Kw	0.18Kw
Coolant Pump Flow	6L/min	6L/min	6L/min	6L/min	6L/min
Dimensions(LxWxH)	700x460x1925mm	885x640x2275mm	885x640x2275mm	940x680x2405mm	950x680x2405mm
Net Weight	250kgs	600kgs	600kgs	680kgs	700kgs

PR50A



PR50A, PR60, PR80 include:- Power Table Elevation, Pressurised Lubrication, and Electronic Clutch.

PR DRILLING MACHINES



PR40



PR50A



PR60



PR80

STANDARD ACCESSORIES

- Drill Chuck and Arbor
- Lamp
- Coolant System
- Reducing Sleeves
- Drill Drifts

FEATURES PR50A, PR60, PR80

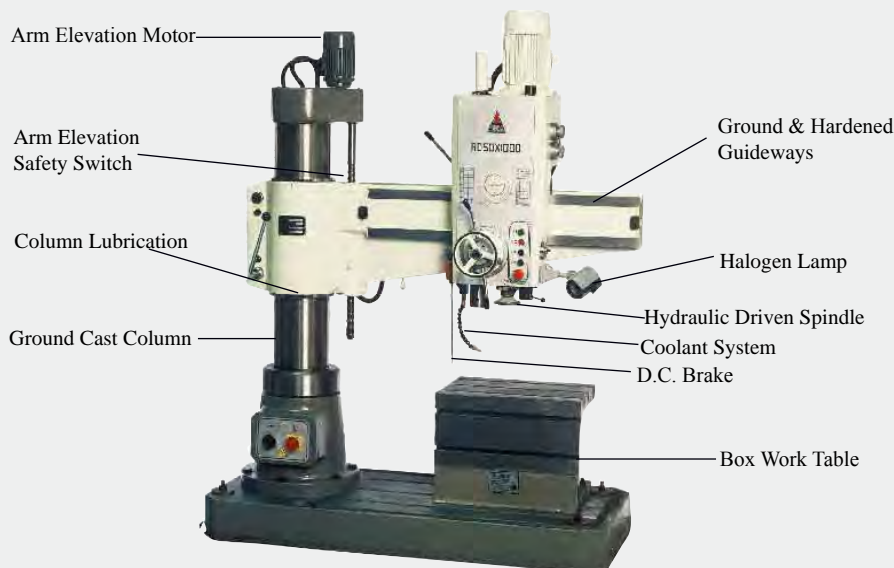
- Stepless Spindle
- Digital Speed Readout
- Powered Table Elevation
- Pressurised Lubrication
- Electronic Clutch
- Power Table Elevation
- Digital Depth Gauge
- Auto Feed
- Auto Tapping
- Fine Feed
- Worktable can be Rotated 180°
- Table can be Tilted 45°



RADIAL DRILLING MACHINES

SPECIFICATIONS

Model	RD40 X750	RD50 X 1000	RD75 X 1600	RD100 X 2000	RD125 X 2500	RD150 X 3100	RD175 X 4000
Max Drilling Diameter - Steel	38mm	38mm	50mm	63mm	80mm	100mm	125mm
Max Drilling Diameter - Iron	50mm	50mm	75mm	100mm	125mm	150mm	175mm
Max Tapping Capacity - Steel	19mm	M30	M42	M56	M72	M90	M110
Max Boring Capacity - Steel	75mm	75mm	100mm	125mm	140mm	170mm	200mm
Spindle Travel	200mm	280mm	315mm	400mm	450mm	500mm	560mm
Spindle Taper	MT4	MT4	MT5	MT5	MT6	MT6	Metric 80
Number of Spindle Speeds	6	16	16	16	16	22	22
Speed Range	88-1500rpm	32-2500rpm	25-2000rpm	20-1600rpm	16-1250rpm	8-1000rpm	6.3-800rpm
Number of Spindle Feeds	3	8	16	16	16	16	16
Range of Feeds(mm/rev)	0.05-0.09,0.15	0.13-0.54	0.04-3.2	0.04-3.2	0.04-3.2	0.06-3.2	0.06-3.2
Column Diameter	210mm	335mm	350mm	450mm	550mm	700mm	800mm
Min Distance Spindle Axis to Column	290mm	300mm	350mm	500mm	500mm	570mm	600mm
Max Distance Spindle Axis to Column	920mm	1000mm	1600mm	2000mm	2500mm	3150mm	4000mm
Horizontal Travel of Spindle Head	630mm	1200mm	1250mm	1550mm	2000mm	2580mm	3400mm
Max Distance Base to Spindle	1250mm	1220mm	1220mm	1600mm	2000mm	2500mm	2500mm
Overall Height of Column	1850mm	1820mm	2133mm	2885mm	3475mm	3525mm	4420mm
Dimensions of Base	1435x640mm	1760 x 800mm	2050 x 1020mm	2900 x 1250mm	3530 x 1400mm	4425 x 1630mm	5500 x 2000mm
Box Table Size	550 x 405 x 315mm	630 x 500 x 500mm	630 x 500 x 500mm	800 x 630 x 630mm	1000 x 800 x 800mm	1250 x 800 x 800mm	1250 x 800 x 800mm
Spindle Motor	2hp	3hp	4hp	5.5hp	10hp	15hp	18.5hp
Clamping Motor	Manual	Manual	1hp	1hp	1hp	1hp	1hp
Arm Elevation Motor	1hp	1 hp	2hp	3hp	4hp	4hp	4hp
Coolant Pump Motor	1/8hp	0.09Kw	0.09Kw	0.09Kw	0.09Kw	0.09Kw	0.125Kw
Net Weight	1100kgs	1600kgs	3500kgs	7000kgs	11,000kgs	20,000kgs	28,000kgs
Overall Dimensions	1420 x 800 x 2050mm	1760 x 800 x 2050mm	2500 x 1060 x 2665mm	3080 x 1250 x 3205mm	3730 x 1400 x 3825mm	4780 x 1630 x 4720mm	5817 x 2151 x 5120mm



FEATURES

- D.C. injection Brake
- 'T' Slotted Box Table
- Coolant System
- Low-Volt Work Light
- Hydraulic Spindle Drive
- Ground and Hardened Guideways
- Arm Elevation via Screw and Motor
- Powered Elevation
- Full Hydraulic Clamping on RD75 and above

STANDARD ACCESSORIES

- Work Light
- Coolant System
- Box Work Table
- Fixing Bolts
- Reducing Sleeves
- Drawbar
- D.C. Brake
- Manual and Parts List

RADIAL DRILLING MACHINES



RD40



RD50



RD75

Made from high quality cast iron and finished to a high standard you can be assured of longevity of use from a Chester Radial Drilling machine. All machines above RD50 are fitted with D.C. Injection Brake facility which provides instant braking of the spindle in an emergency. Drive to the main spindle is provided by a powerful hydraulic drive, ensuring high torque whilst drilling.

Chester supply and manufacture a range of Horizontal and Vertical Bandsaws. The models H330 and H280 are manufactured in China at Chester Manufacturing, our own factory, to a high standard of quality and accuracy. All Chester saws are capable of being very productive machines whether small or large and are an essential part of any Engineering Production Facility or Workshop.



CHESTER SAWS

H80 BANDSAW

SPECIFICATION

Max: Cutting Capacity @ 90°	Round 90mm Square 90 x 120mm
Max: Cutting Capacity @ 45°	Round 65mm Square 70 x 65mm
Blade Speed	20,29,50m/min
Motor	420w
Power	240volt
Blade Size	1300 x 0.63 x 12.5mm
Packing Size	760 x 295 x 465mm
Stock Code	BAN-SAW-H80
Price ex vat	£112.17
Price inc vat	£129.00



OPTIONAL ACCESSORIES



Bandsaw Blades



OPTIONAL ACCESSORIES



Bandsaw Blades

H110 BANDSAW

SPECIFICATION

Max: Cutting Capacity @ 90°	Round 110mm Square 100 x 150mm
Max: Cutting Capacity @ 45°	Round 100mm Square 85 x 65mm
Blade Speed	20,30,50m/min
Motor	550w
Power	240volt
Blade Size	1640 x 0.65 x 13mm
Packing Size	965 x 410 x 500mm
Stock Code	BAN-SAW-H110
Price ex vat	£164.35
Price inc vat	£189.00

• Machine can be bench mounted

HV128 BANDSAW

Cut angle- iron, pipe, rods, shafts, structural steel etc. Completely portable and lightweight, this saw is bound to become an indispensable part of your workshop.

FEATURES

- Anti Vibration Rubber Feet
- Rugged cast-iron construction
- Mitre vice ensures positive material clamping between 45deg-90deg
- Adjustable stop for repetitive cuts
- Sealed and lubricated steel/ bronze worm gear drive
- Automatic cut-off on completion of cut

SPECIFICATION

Capacity (Round)	5" / 128mm
Capacity (Rectangle)	4" x 6" / 100 x 115mm
Blade Size	½" x 64 ½"
Speed Range	65 /95 / 165 fpm
Motor	1/3 hp
Power Supply	240volt
Dimensions	895 x 457 x 985mm
Net Weight	62kgs
Stock Code	BAN-SAW-HV128
Price ex vat	£208.69
Price inc vat	£239.99



OPTIONAL ACCESSORIES



Bandsaw Blades

812 BANDSAW

Built to handle cylindrical stock to 8" diameter and rectangular materials to 7" x 12", this mobile unit comes with built-in coolant system and hydraulic down feed.

FEATURES

- Hydraulic Feed
- Automatic Shut-off
- Coolant System
- Quick Setting Vice
- Cast Iron Base
- Mobile Stand

OPTIONAL ACCESSORIES



Bandsaw Blades

SPECIFICATION

Capacity Round Bar	8"/200mm
Capacity Rectangle Bar	175 x 300mm
Blade Size	3/4"/93"
Motor	¾hp
Power Supply	240volt or 415volt
Dimensions	965 x 432 x 1229mm
Net Weight	180kgs
Speeds (4)	81x270 FPM
Stock Code - 240volt	BAN-SAW-812-240
Stock Code	BAN-SAW-812-415
Price ex vat	£642.61
Price inc vat	£739.00

Delivery by Quotation



916 BANDSAW



SPECIFICATION

Capacity at 90°	9"(230mm)
	9"(230mm)
	6"×16"(150×400mm)
Capacity at 45° vise swivel	7"(180mm)
	7"(180mm)
	7"×8 1/2"(180×220mm)
Blade size	1"×128.5"(27mm×3265mm)
Motor	2HP(1.5KW)OPT.
Speed range	50,125,200,275FPM(15,38,61,84 MPM)
Packing size	72"×30"×42"
Net weight	280Kgs(616lbs)
Gross weight	330Kgs(726lbs)

FEATURES

- Ball Bearing Blade Guides
- Quick Action Vice
- Angle Cutting
- Hydraulic Down Feed

STANDARD ACCESSORIES

- Blade
- Coolant System
- Manual and Parts List
- Blade Chip Brush
- Auto Blade Stop

1018 VARI-SPEED BANDSAW



SPECIFICATION

Model	1018
Capacity at 90°	Round 10" / 260mm
	Square 9" x 9" / 230 x 230mm
	Rectangle 8" x 16 1/2" / 200 x 420mm
Capacity at 45°	Round 9" / 230mm
	Square 8 1/2" x 8 1/2" / 220 x 220mm
	Rectangle 8 1/2" x 9" / 220 x 230mm
Blade Size	1" x 132 1/2" / 25 x 0.9 x 3365mm
Motor	2 hp / 1.5Kw
Speed Range	50,125,200,275 fpm / 15,38,61,84 mpm
Net Weight	320Kgs

FEATURES

- Ball Bearing Blade Guides
- Quick Action Vice
- Angle Cutting
- Hydraulic Down Feed

STANDARD ACCESSORIES

- Blade
- Coolant System
- Manual and Parts List
- Blade Chip Brush
- Auto Blade Stop

1018T BANDSAW



“SPACESAVINGDESIGN–MATERIALREMAINSFIXED,BLADEARMSWIVELS”

FEATURES

- Ball Bearing Blade Guides
- Quick Action Vice
- Angle Cutting
- Hydraulic Down Feed

STANDARD ACCESSORIES

- Blade
- Coolant System
- Manual and Parts List
- Blade Chip Brush
- Auto Blade Stop

SPECIFICATION

Model	1018T
Capacity at 90°	Round 10" / 260mm
	Square 10" x 10" / 260 x 260mm
	Rectangle 10" x 13 1/2" / 260 x 350mm
Capacity at 45°	Round 10" / 260mm
	Square 10" x 10" / 260 x 260mm
	Rectangle 10" x 12" / 260 x 300mm
Capacity at 60°	Round 6" / 155mm
	Square 5 1/2" x 5 1/2" / 140 x 140mm
	Rectangle 6" x 5" / 155 x 125mm
Blade Size	1" x 144" / 27 x 0.9 x 3660mm
Motor	2 hp / 1.5Kw
Speed Range	50,125,200,275 fpm / 15,38,61,84 mpm
Dimensions	80" x 39" x 43" / 2032 x 990 x 1093mm
Net Weight	430Kgs

FULLY AUTOMATIC BANDSAW



SPECIFICATION

Model	12A
Capacity @ 90° Round	12" / 300mm
Capacity @ 90° Square	9" / 230mm
Capacity @ 90° Rectangle	6" x 13" / 150 x 330mm
Capacity @ 45° Round	9" / 230mm
Capacity @ 45° Square	7" / 175mm
Capacity @ 45° Rectangle	6" x 9" / 150 x 230mm
Blade Size	1" x 130" / 25 x 3820mm
Motor	3hp / 2.25Kw
Speed Range	45,75,90,150,240 fpm
	14,23,27,36,46,73 mpm
Dimensions	82" x 40" 54"
Net Weight	900Kgs

FEATURES

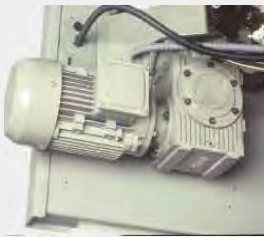
- Multiple Clamping
- Auto Bar Stop
- Workpiece Counter
- Compact Design

STANDARD ACCESSORIES

- Coolant System
- Workpiece Support
- Blade
- Manual and Parts List



Quick Action Vice



Heavy Duty Gearbox & Motor



Variable Speed

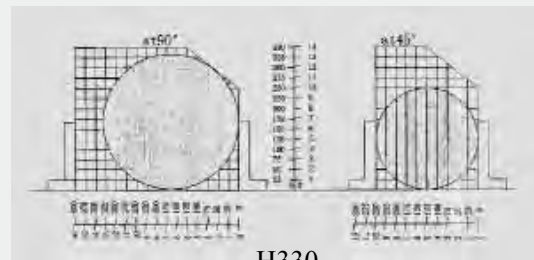


CE Electrics

SPECIFICATION

Drive Motor	1.5kw/3ph/415v
Coolant Motor	7w/0.09hp
Blade Speed Range	15-90m/min – 50-300ft/min
Blade Size	3620 x 27 x 0.9mm
Bed Height	707mm
Total Height	1177mm
Width	840mm
Length	1751mm
Net Weight	400kgs

CUTTING CAPACITIES



H330

STANDARD ACCESSORIES

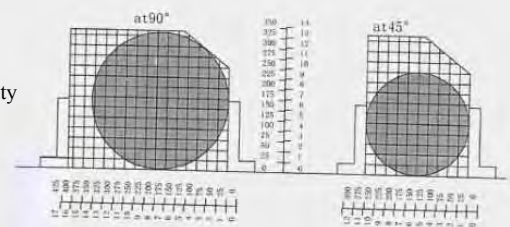
- Coolant System
- Material Bar Stop
- Bandsaw Blade
- Manual and Parts List

OPTIONAL ACCESSORIES

- Infeed Roller Table
- Adjustable Roller Stand
- Swarf Rake
- Set of Castors
- Carbon Blade
- Bi-Metal Vari-Pitch Blades

FEATURES

- Heavy Duty British Design
- Manufactured by Chester
- Variable Speed
- Hydraulic Rise and Fall
- Automatic Stop
- Coolant System with Wash Down Facility
- Quick Release Vice
- Material Length Stop
- High Quality Powder Coat Finish



H280

SH330 SWIVEL ARM SEMI-AUTO BANDSAW



SWIVEL HEAD



FEATURES

- British Design
- Manufactured By Chester
- Variable Speed (1.5kw Inverter)
- German Manufactured Gearbox
- Hydraulic Rise And Fall
- Automatic Stop
- High Quality Powder Coat Finish
- Coolant System With Wash Down Facility
- Quick Release Vice
- Material Length Stop
- CE Certified.

SPECIFICATION

Drive Motor	1.5kw / 2hp
Coolant Motor	7w / 0.09hp
Blade Speed	15-102 m/min
Speed Range	50-300 ft/min
Blade Size	3760 x 34 x 1.1 mm / 148 x 1.34 x 0.043"
Bed Height	707mm
Capacity at 90° Round	330mm
Capacity at 90° Square	250x250mm
Capacity at 90° Rectangle	450 x 175mm
Capacity at 45° Round	275mm
Capacity at 45° Square	200 x 200mm
Capacity at 45° Rectangle	200 x 275mm
Dimensions (LxWxH)	1751x840x1227mm
Net Weight	687kgs

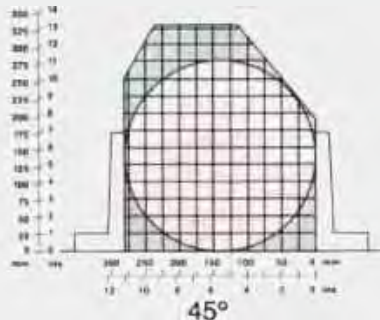
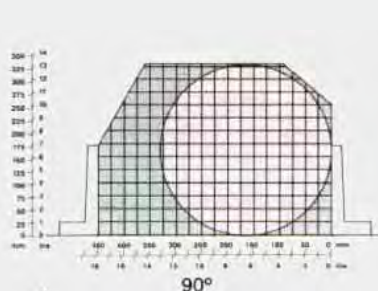
STANDARD ACCESSOIRES

- Coolant System
- Material Bar Stop
- Flushing Hose
- 1 Bandsaw Blade
- Instruction Manual & Parts List.

OPTIONAL ACCESSORIES

- Infeed Roller Table
- Adjustable Roller Stand
- Swarf Rake
- Butt Welder
- Set Of Castors
- Carbon Blade (4/6/8//10 Or 14 T.p.i)
- Bi-Metal Blade
 - 2-3 Vari Pitch
 - 3-4 Vari-pitch
 - 4-6 Vari Pitch
 - 6-10 Vari Pitch
 - 8-12 Vari Pitch
 - 10-14 Vari Pitch

CUTTING SPECIFICATION



SEMI AUTOMATIC BANDSAWS



HSB3040



HSB4255



HSB5070

SPECIFICATION

Model		HSB3040	HSB4255	HSB5070
Max. Capacity	Square	300mm (12")	420mm (16.5")	500mm (20")
	Round	300mm (12")	420mm (16.5")	500mm (20")
	Rectangle	300x400mm(12"x15.7")	420x550mm(16.5"x21.6)	500x700mm(20"x29.5")
Blade	Capacity	3820 lx34 wx1.1 Tmm (150.4"x1.3"x0.042")	3820 lx34 wx1.1 Tmm (150.4"x1.3"x0.042")	
	Speed	21,38,55,68,81 mm/min (60Hz)(70,127,180,224,267fpm)	20 - 100m/min (66-328fpm) (60Hz)(70,127,180,224,267fpm)	
	Tension	Hydraulic (with Blade Breakage Detector)	Hydraulic (with Blade Breakage Detector)	
Motor	Blade	3.75kw (5hp)	5.5kw (7.5hp)	5.5kw (7.5hp)
	Hydraulic	0.18kw (1/4hp)	1.5kw (2hp)	0.75kw (1hp)
	Coolant	0.1kw (1/8hp)	0.1kw (1/8hp)	0.18kw (1/4hp)
Tank	Hydraulic	25litres	35litres	35litres
	Coolant	60litres	95litres	85litres
Work Bed Height		740mm	700mm	700mm
Net Weight		700kgs	1800kgs	1950kgs
Gross Weight		800kgs	2300kgs	2450kgs
Floor Space (LxWxH)		800x1905x1700mm	1100x2550x1900mm	900x3200x2150mm
Shipping Space (LxWxH)		900x2185x1728mm	1610x2620x2190mm	1120x3175x2270mm

FULLY AUTOMATIC BANDSAWS



HAB3832



Nesting Fixture



Control Panel Operated Vice



High Quality Blade Guides



Double Retracting Vice jaws



Split Front Vice



HAB4040

Model		HAB3832	HAB4040	HAB4646
Capacity	Square	320mm(12.6"	400mm(16")	460mm(18")
	Round	320x320mm(12.6"x12.6")	400x400mm(16"x16")	460x460mm(18"x18")
	Rectangle(wxh)	380x320mm(15"x12.6")	400x400mm(16"x16")	460x460mm(18"x18")
Saw Blade	Speed	20-100m/min(66-330fpm)	20-100m/min(66-330fpm)	20-100m/min(66-330fpm)
	Size	4242x34x1.1mm (167"x1.33"x0.042")	4570x41x1.3mm (178"x1.6"x0.050")	4670x41x1.3mm (184"x1.6"x0.050")
	Tension	Hydraulic		
Motor Output	Saw Blade	5hp(3.75kw)	7.5hp(5.5kw)	7.5(5.5kw)
	Hydraulic	1hp(0.75kw)	2hp(1.5kw)	2hp(1.5kw)
	Coolant Pump	1/8hp(0.1kw)	1/4(0.19kw)	1/4hp(0.19kw)
Tank Capacity	Hydraulic	25litres	40litres	40litres
	Coolant	45litres	80litres	80litres
Vise Control		Stationary & Movable Hydraulic Vise.		
Feeding	Mode	Hydraulic		
	Length	One stroke 400mm Max. 3600mm (0-9 times)	One stroke 600mm. Max. 5400mm (0-9 times)	One stroke 600mm. Max. 5400mm (0-9 times)
Height of Work Bed		790mm	750mm	750mm
Net Weight		2000kgs	2300kgs	2800kgs
Gross Weight		220kgs	2500kgs	3000kgs
Floor Space		2010x2000x1500mm	2650x2400x2350mm	2650x2400x2350mm
Shipping Space		2235x2184x1880mm	2794x2286x1829mm	2800x2290x1930mm

CNC BANDSAWS



HCB4242



HCB5652



HCB7662

SPECIFICATION

Model		HCB4242	HCB5652	HCB7662
Capacity	Round	420mm (16.5")	520mm (20.5")	620mm (24.4")
	Square	420mm (16.5")	520mm (20.5")	620mm (24.4")
Rectangular (W X H)		420x420mm (16.5"x16.5")	560x520mm (22" x 20.5")	760x620mm (30"x24.4")
	Bundle Capacity	Width Height	190-380mm 100-180mm	250-470mm 150-315mm
Saw Blade	Speed	20-100/min(66-328fpm)	20-100/min(66-328fpm)	20-100/min(66-328fpm)
	Size (l x w x t) Tension	4770x41x1.3mm (187.8"x1.6"x0.05") Hydraulic (automatic Bladebreakage Detection)	6040x54x1.6mm (238"x2.1"x0.08") Hydraulic (automatic Bladebreakage Detection)	7200x54x1.6mm (238"x2.1"x0.06") Hydraulic (automatic Bladebreakage Detection)
Motor Output	Saw Blade	7.5hp (5.6kw)	7.5hp (5.6kw)	10hp (7.5kw)
	Hydraulic Coolant	2hp (1.5kw) 1/8hp (0.1kw)	2hp (1.5kw) 1/4 hp (0.19kw)	2hp (1.5kw) 1/4 hp (0.19kw)
Hydraulic		40l	40l	40l
Coolant Tank		85l	85l	85l
Vice Control		Hydraulic Full Stroke Cylinder		
Automatic	Single	503mm(19.820)		
Indexing	Multiple	Max. 6500mm (Max. 650")		
Length	Rest Piece	60mm	90mm	600mm
Height of Work Bed		700mm	690mm	750mm
Net/ Gross Weight		3000/3300kgs	3700/4300kgs	4800/5400kgs
Floor Space		2490x2360 mm	2400x2677 mm	2200x3700 mm

LARGE BILLET BANDSAWS



HLB2020



HLB1010W

SPECIFICATION

Model		HLB2020	HLB1317	HLB1313	HLB1313P	HLB1010W	HLB8010D	HLB8085D	HLB8085S	HLB8085-NC
Capacity	Round	2000mm(78.7")	1300mm(51.2")	1300mm(51")	1100mm(43.3")	1000mm(40")	800mm(31.5")	800mm(31.5")	800mm(31.5")	800mm(31.5")
	Square	2000mm(78.7")	1300mm(51.2")	1300mm(51")	1100mm(43.3")	1000mm(40")	800mm(31.5")	800mm(31.5")	800mm(31.5")	800mm(31.5")
	Rectangular	2000x2000mm	1300x1700mm	1300x1300mm	1100x1300mm	1000x1000mm	800x1000mm	800x850mm	800x850mm	800x850mm
	(H x W)	(78.7"x78.7")	(51.2"x67")	(51"x51")	(43.3"x51.2")	(40"x40")	(31.5"x39.4")	(31.5"x33.5")	(31.5"x33.5")	(31.5"x33.5")
Saw Blade	Size (LxWxT)	15920x80x1.6mm	13000x80x1.6mm	12300x80x1.6mm	11000x80x1.6mm	9400x67x1.6mm	8800x67x1.6mm	3800x67x1.6mm	3800x67x1.6mm	3800x67x1.6mm
Saw Blade	Speed	15-80m/min(49-264 Ft/min)								
	Tension	Hydraulic Controlled								
	Guide	Tungsten Carbide Blade Guide (Hydraulic Clamping Force)								
	Cleaning	Electric Power Driven Wire Brush								
Motor Output	Blade	25hp(18.75kw)	20hp(15kw)	20hp(15kw)	15hp(11.2kw)	15hp(11.2kw)	15hp(11.2kw)	10hp(7.5kw)	10hp(7.5kw)	10hp(7.5kw)
	Hydraulic	5hp(3.75kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)	3hp(2.2kw)
	Coolant	0.5hp(0.37kw)	0.5hp(0.37kw)	0.5hp(0.37kw)	0.5hp(0.37kw)	0.25hp(0.19kw)	0.25hp(0.19kw)	0.25hp(0.19kw)	0.25hp(0.19kw)	0.25hp(0.19kw)
Tank Capacity	Hydraulic Oil	160 litre	160 litre	160 litre	160 litre	100 litre	100 litre	100 litre	100 litre	100 litre
	Coolant	200 litre	200 litre	200 litre	200 litre	150 litre	120 litre	120 litre	120 litre	120 litre
Vise Control Method		Hydraulic								
Split Vise		Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
Double Sides Material Feeding		No	No	No	No	No	Yes	Yes	No	No
Weight		30000kgs	18000kgs	15000kgs	13700kgs	12000kgs	10000kgs	6500kgs	6000kgs	6000kgs
A (Bed Height)		600mm	650mm	600mm	570mm	630mm	640mm	680mm	680mm	680mm
B (Length)		6600mm	3000mm	3000mm	2200mm	2300mm	2286mm	2330mm	2330mm	2330mm
C (Width)		3640mm	5892mm	5542mm	4900mm	5200mm	4293mm	3890mm	3890mm(153")	3890mm(153")
D (Height)		5800mm	4228mm	3900mm	3500	2700mm	2667mm	2940mm	2940mm(116")	2940mm(116")

VERTICAL BANDSAWS



KV 40



KV 60



KV 100

SPECIFICATION

Model	KV40	KV50	KV60	KV100
Blade to Column	410mm	520mm	600mm	1000mm
Max: Work Height	300mm	310mm	300mm	300mm
Table Size	600x500mm	600x500mm	600x500mm	600x500mm
2nd Table	n/a	n/a	220x500mm	450x500mm
Table inclination	15°	15°	15°	15°
Saw Blade Length	3285mm	3840mm	3950mm	4500mm
Max: Blade Width	16mm	16mm	16mm	16mm
Blade Speeds 60Hz	Low 20-80mpmin/65-265fpm High 120-480mpmin/400-1600fpm			
50Hz	Low 15-55mpmin/50-210fpm High 96-390mpmin/335-1350fpm			
Capacity of Welder	2hp / 1.5Kw			
Motor	2hp / 1.5Kw	2hp / 1.5Kw	2hp / 1.5Kw	2hp / 1.5Kw
Net Weight	440kgs	500kgs	700kgs	800kgs

FEATURES

- Band Speed Display
- Tilting Table
- Variable Speed
- Integral Welder
- High Quality Blade Wheel Bearings
- Interlocked Blade Covers

STANDARD ACCESSORIES

- Blade Welder
- Speed Display
- Air Pipe for Visibility
- Blade Shear & Grinder
- Halogen Work light
- Rip Fence
- Blade Guards

OPTIONAL ACCESSORIES

- Automatic Table
- Mitre Guide

- Manual and Parts List

CHOPSAWS / HACK SAWS

CHOP SAWS



Inbuilt Coolant Pump

SPECIFICATION

Model	250CS	315CS
Blade Diameter	250mm	315mm
Capacity Round Bar Solid 90°	50mm	80mm
Capacity Round Bar Tube 90°	75mm	100mm
Capacity Square 90°	65x65mm	90mm
Capacity Rectangle 90°	90x50mm	115x70mm
Capacity Round Bar Solid 45°	35mm	70mm
Capacity Round Bar Tube 45°	40mm	90mm
Capacity Square 45°	58mm	80mm
Capacity Rectangle 45°	70x50mm	85x70mm
Max: Vice Opening	100mm	120mm
Blade Speed	42/84rpm	42/84rpm
Motor	1.3hp	2hp
Weight	85kgs	165kgs

FEATURES

- Head Rotation Left and Right 45°
- High Quality Reduction Gearbox
- Simple to Operate
- Quick Action Vice

STANDARD

ACCESSORIES

- Stand
- Blade
- Coolant System
- Manual and Parts List

POWER HACKSAWS



FEATURES

- Variable Blade Feed
- Material Length Stop
- Equalizing Bar for Jaws

STANDARD

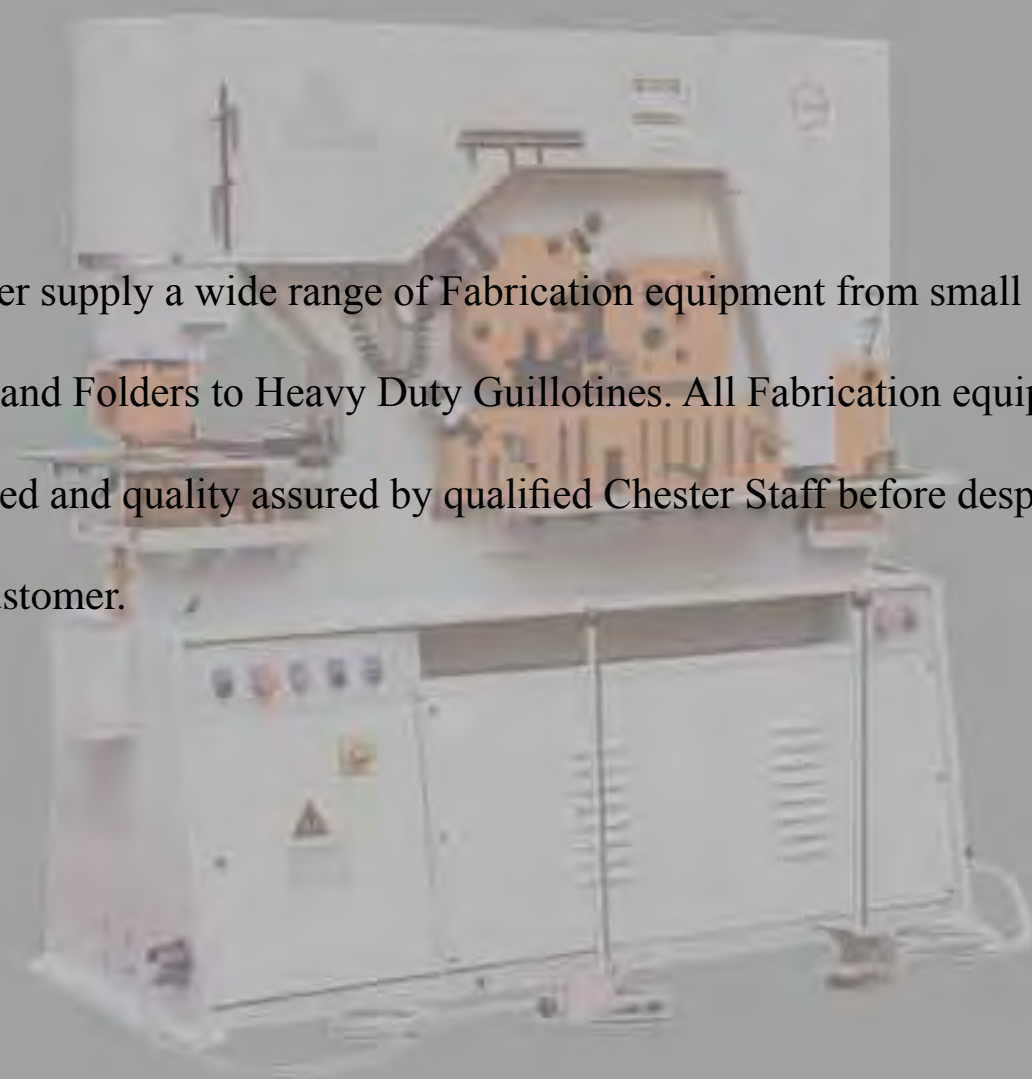
ACCESSORIES

- Material Support Stands
- Coolant System
- Bar Stop
- Nesting Fixture for Holding Multiple Bar Stock
- Saw Blade
- Manual and Parts List

SPECIFICATION

Model	KP-200	KP-225	KP-280	KP-320	KP-380	KP-450
Cutting Capacity Round	200mm	225mm	280mm	320mm	380mm	450mm
Cutting Capacity Square	190x200mm	240x210mm	250x250mm	300x300mm	350x330mm	430x400mm
Cutting Capacity @ 45° Round	90mm	120mm	130mm	140mm	150mm	160mm
Cutting Capacity @ 45° Square	190x90mm	210x120mm	250x130mm	300x140mm	350x150mm	430x160mm
Length of Stroke	120mm	140mm	140mm	140mm	140mm	160mm
Blade Size	350x32x1.6mm	400x32x1.6mm	450x32x1.6mm	500x38x2mm	550x45x2.25mm	650x50x2.5mm
Motor	1hp	2hp	2hp	2hp	2hp	3hp
Dimensions		1400x850x1200mm	1470x850x1200mm	1545x850x1200mm	1727x850x1363mm	1970x740x1520mm
Net Weight	270kgs	485kgs	520kgs	600kgs	645kgs	800kgs

Chester supply a wide range of Fabrication equipment from small Slip Rolls and Folders to Heavy Duty Guillotines. All Fabrication equipment is checked and quality assured by qualified Chester Staff before despatch to the customer.



CHESTER FABRICATION EQUIPMENT



SLIP ROLLS

FEATURES

- Precision Ground Cast Iron Rollers
- Cast Iron Frame
- Quick Release Top Roller
- Hardened Steel Gearing
- Three Wire Grooves

SPECIFICATION

Model	12"	16"	20"	24"
Max. bending Thickness	0.8mm 22swg	0.8mm 22swg	0.8mm 22swg	0.8mm 22swg
Max. length Width	305mm 12"	406mm 16"	508mm 20"	610mm 24"
Dia of Rolls	25.4mm	25.4mm	25.4mm	38mm
Net Weight	14kgs	18kgs	20kgs	38kgs
Stock Code	FAB-ROLL-12	FAB-ROLL-16	FAB-ROLL-20	FAB-ROLL-24
Price ex vat	£94.78	£173.04	£216.52	£190.43
Price inc vat	£109.00	£199.00	£249.00	£219.00

12" SLIP ROLL



24" SLIP ROLL



MANUAL SLIP ROLLS



SPECIFICATION

Model	SR-36	SR-40	SR-50
Max: Rolling Capacity	0.8mm / 22swg	0.8mm / 22swg	1.5mm / 16swg
Max: Width	36"/915mm	40"/1000mm	50"/1300mm
Diameter of Rolls	50mm	50mm	75mm
Net Weight	80kgs	86kgs	200kgs

MULTIFORMERS



STANDARD ACCESSORIES

- Cut, Fold and Roll in one Machine
- Folder has Removable Fingers
- Rigid Cast Iron Frame
- Slip Rolls Ground
- Three Wire Grooves
- Back Gauge



SPECIFICATION

Model	12"	24"	30"	40"
Bed Width	305mm	610mm	760mm	1016mm
Shearing Thickness (Steel)	0.6mm	0.6mm	0.6mm	0.6mm
Bending Thickness	1mm	1mm	1mm	1mm
Bending Angle	90 deg	90 deg	90 deg	90 deg
Rolling Thickness	1mm	1mm	1mm	1mm
Min. Rolling Diameter	39mm	39mm	39mm	43mm
Net Weight	45kgs	100kgs	120kgs	200kgs
Stock Code	FAB-MULTI-12	FAB-MULTI-24	FAB-MULTI-30	FAB-MULTI-40
Price ex vat	£169.57	£294.78	£329.57	£512.17
Price inc vat	£195.00	£339.00	£379.00	£589.00

12" model includes delivery, other models by Quotation



HAND NOTCHER

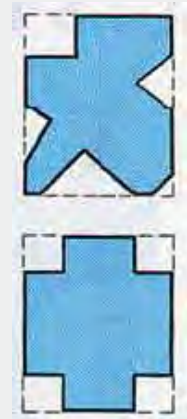
FEATURES

- Simple to Operate
- Heavy Duty Blades

SPECIFICATION

Capacity	3 Ton	4 Ton
Thickness	1.5mm	1.6mm
Punches	125 x 125mm	152 x 152mm
90 Deg Angle	125 x 125mm	152 x 152mm
Ram Stroke	25mm	20mm
Net Weight	38kgs	95kgs
Stock Code	FAB-NOT-3	FAB-NOT-4
Price ex vat	£183.33	£325.00
Price inc vat	£275.00	£381.88

Delivery by Quotation



TUBE NOTCHER

SPECIFICATION

Capacity	2"
Spindle	1/2"
Angle Adjustment	0-45
Net Weight	3.5kgs
Size	300 x 170 x 110 mm
Stock Code	FAB-PN-1/2A
Price ex vat	£51.30
Price inc vat	£59.00



Hole Saw not Supplied

HAND PUNCH

SPECIFICATION

Max Punching Capacity	8mm Diameter 20mm
Max: Punching Capacity	10mm Diameter 16mm
Throat Depth	160mm
Punch Mould & Die	55 x 34 x 18mm
Net Weight	74kgs
Stock Code	FAB-PUN-20
Price ex vat	£216.52
Price inc vat	£249.00

Delivery by Quotation

FEATURES

- Simple Operation.
- Large Swing
- High Punching Capacity



METAL FORMING KIT

'The Chester Metalforming kits are a fantastic piece of equipment for the practical metalworker. Ideal for Punching, scrolling, bending, rolling, twisting and rivet metalworking. Ideal for use for the hobbyist through to Industry and Educational training establishments.'



SPECIFICATION

Model	UB1	UB2
Shearing Capability:		
Strip Steel	16 x 3mm	30 x 5mm
Square Steel	4 x 4mm	6 x 6mm
Round Steel	4mm	6mm
Screwing Capability:		
Strip Steel	16 x 3mm	30 x 5mm
Square Steel	8 x 8mm	10 x 10mm
Curving Capability:		
Strip Steel	16 x 3mm	30 x 5mm
Square Steel		8 x 8mm
Round Steel	6mm	10mm
Punching Capability	°3	°4, °5
Bending Angle Range	>90°	>60°
Riveting Capability	3 x 20mm	4 x 30mm. 5 x 30mm
Rolling Capability	R>30	R>35
Net Weight	12kg	31kg
Stock Code	FAB-UB-1	FAB-UB-2
Price ex vat	£190.43	£303.48
Price inc vat	£219.00	£349.00

Delivery by Quotation

REBAR CUTTER



SPECIFICATION

25mm Cutting capacity
110 or 240volt supply
30T cutting Pressure
8mm Minimum Cutting Capacity
3.5sec cutting speed



HAND SHEARS

SPECIFICATION

Model	HS-5	HS-6	HS-8	HS-10	HS-12
Length of Blades	125mm	150mm	200mm	250mm	300mm
Capacity - Flat Steel	6mm	6mm	6mm	6mm	6mm
Capacity - Round Steel	11mm	11mm	13mm	13mm	13mm
Net Weight	12kgs	14kgs	18kgs	23kgs	28kgs
Stock Code	FAB-HS-5	FAB-HS-6	FAB-HS-8	FAB-HS-10	FAB-HS-12
Price ex vat	£39.09	£47.78	£56.48	£68.70	£86.09
Price inc vat	£44.95	£554.95	£64.95	£79.00	£99.00

Delivery by Quotation



ARBOR PRESS



SPECIFICATION

Model	1/2ton	1ton	2ton	3ton
Throat	65mm	80mm	120mm	140mm
4-Position Plate Diameter	90mm	110mm	165mm	185mm
Ram Size (square)	19mm	25mm	32mm	38mm
Height	280mm	355mm	445mm	615mm
Base Size	105x240mm	130x260mm	175x420mm	205x450mm
Net Weight	9kgs	15kgs	34kgs	67kgs
Stock Code	FAB-AP-1/2	FAB-AP-1	FAB-AP-2	FAB-AP-3
Price ex vat	£21.61	£34.47	£67.83	£103.48
Price inc vat	£24.85	£39.95	£78.00	£119.00

2 & 3 Ton Models Delivery by Quotation

HYDRAULIC PIPE BENDERS



SPECIFICATION

Capacity	Weight	Stock Code	Price ex vat	Price inc vat
½" – 3" 12 Ton	42kg	FAB-HTB- ½ -3-12T	£147.82	£169.99
½" – 3" 16 Ton	60kg	FAB-HTB- ½ -3-16T	£181.74	£209.00



SPECIFICATION

Model	½" -2"
Max Pressure	10ton
Max Oil Tank Pressure	42mpa
Max Outside Pipe Diameter	2"
Min Outside Pipe Diameter	½"
Max Ram Stroke	155mm
Net Weight	52kgs
Packing Size	710x590x210m
Stock Code	FAB-HTB – ½-2"
Price ex vat	£173.04
Price inc vat	£199.00

BOX & PAN FOLDERS



SPECIFICATION

Model	12"	24"	36"
Bending Capacity (Mild Steel)	1mm/20gauge	1mm/20gauge	1mm/20gauge
Max: Bending Length	305mm	610mm	915mm
Number of Fingers	5		
Width of Fingers	100,75,50,50,25mm		
Dimensions (L x H x W)	470 x 370 x 260mm	780x280x365mm	1080x300x380mm
Net Weight	25kgs	42kgs	85kgs
Stock Code	FAB-FOLD-12	FAB-FOLD-24	FAB-FOLD-36
Price ex vat	£155.65	£190.43	£320.87
Price inc vat	£179.00	£219.00	£369.00

Delivery by Quotation

40" FOLDER



SPECIFICATION

Bending Capacity (Mild Steel)	1.5mm
Max: Bending Length	1050mm
Number of Fingers	11
Width of Fingers	250,250,150,100,75,50,45,40,,35,30,25mm
Dimensions (L x H x W)	1390 x 1090 x 790mm
Net Weight	120kgs
Stock Code	FAB-FOLD -40
Price ex vat	£699.00
Price inc vat	£821.33

Delivery by Quotation



MANUAL FOLDERS

FAB FOLD 41



FAB FOLD 48



“Bench Type”

FAB FOLD 48 A



SPECIFICATION

Model	FAB-FOLD-41	FAB-FOLD-48	FAB-FOLD-48A	FAB-FOLD-60	FAB-FOLD-60A
Width	1050mm	1220mm	1220mm	1500mm	1500mm
Thickness	1.5mm	1.5mm	2.5mm	1.5mm	2.5mm
Angle of Fold	0-150°	0-135°	0-135°	0-135°	0-135°
Dimensions	1620x900x1150mm	1630x480x680mm	1750x680x820mm	2020x670x1200mm	2020x670x1200mm
Net Weight	190kgs	140kgs	580kgs	480kgs	480kgs

MAGNA BEND

ELECTROMAGNETIC SHEET METAL BENDING MACHINES



ASK FOR A FREE COPY OF DVD TO DEMONSTRATE OPERATION

SPECIFICATION

Model	650E	1000 E	1250 E	2000E	2500E	3200E
Length		1000mm	1250mm	2000mm	2500mm	3200mm
Capacity Steel		1.6mm	1.6mm	1.6mm	1.6mm	1.2mm
Aluminum		1.6mm	1.6mm	1.6mm	1.6mm	1.2mm
Stainless Steel		1mm	1mm	1mm	1mm	1mm

TECHNICAL SPECIFICATIONS

Clamping Force	3 Ton	4.5 Ton	6 ton	9 Ton	12 Ton	10 Ton
Power Supply	1 phase 220/240 Vac 10 A			1 phase 220/240 Vac 15 A		

ACCESSORIES

Foot Switch	N/A	N/A	Included	Included	Included	Included
Short Clamp Bar Set	Included	Included	Included	Included	Included	Included
Slotted Clamp Bar	Option	Option	Included	Included	Included	Included



Slotted Clamp Bar



Short Clamp Bar Set



Foot Switch



POWERED SLIP ROLLS



SPECIFICATION

Model	Maximum Thickness	Maximum Width	Yield Limit	Minimum Diameter full capacity	Top Roller Diameter	Bottom Roller Diameter	Motor	Dimensions	Weight
WR210	2mm	1000mm	245mpa	100mm	80mm	80mm	1.5kw	800kgs	1500x700x1100mm
WR213	2mm	1300mm	245mpa	100mm	80mm	80mm	1.5kw	1000kgs	1800x700x1100mm
WR413	4mm	1300mm	245mpa	200mm	155mm	135mm	2.2kw	1250kgs	2200x900x900mm
WR420	4mm	2000mm	245mpa	200mm	155mm	135mm	2.2kw	1650kgs	2900x900x900mm

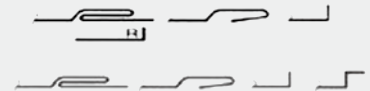
PITTSBURGH LOCKFORMER



FEATURES

- Portable
- Induction Hardened Gears
- Induction Hardened Shafts
- Simple Roller Changing

SHAPE



SPECIFICATION

Model	Motor	Capacity	Weight	Dimensions
LC-12	1.5kw	0.5-1.2mm	180kgs	980x600x1000mm
LC-15R	1.5kw	0.7-1.5mm	180kgs	980x600x1200mm

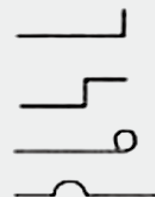
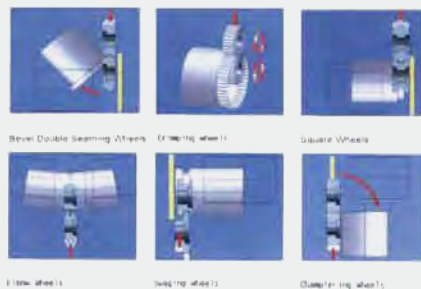
POWER SWAGERS



SPECIFICATION

Model	Capacity	Motor	Weight	Dimensions
LX 18	1.8mm	2.2kw	220kgs	800x400x1000mm
LX 15	1.5mm	1.5kw	120kgs	700x400x950mm

SHAPE



LONG LENGTH SLITTER FOLDER



- Long Length Folding - No Tooling Required
- High quality bending with no marking on the surfaces
- Suitable for folding both ferros and non ferros materials

SPECIFICATION

Model	CSF 4616	CSF 6516	CSF 8216	Other	Auto
Folding Length	4600mm	6500mm	8200mm	Yes	Yes
Folding Capacity	1.6mm	1.6mm	1.6mm	Yes	Yes



High Speed Backgauge



Automatic Slitting



Automatic Swaging



Programable Control



Profile Memory



Auto Slitting Cycle





HYDRAULIC SHEARS

HYDRAULIC SHEARS



SPECIFICATION

Model	Max Cutting Capacity Steel	Max Cutting Capacity Stainless Steel	Cutting Length	Cutting Angle	Cutting Cycle per Min	Adjustment Range of Backgauge	Motor	Weight	Dimensions (LxWxH)
HS4x2500	4mm	2mm	2500mm	1.3°	>22	20-600mm	7.5kw	3600kgs	3100x1470x1560mm
HS6x3200	6mm	3mm	3200mm	1.3°	>18	20-600mm	7.5kw	6580kgs	3840x1610x1620mm
HS12x3200	12mm	6mm	3200mm	1.3°	>14	20-800mm	18.5kw	10000kgs	3945x2217x2055mm

FEATURES

- Steel Welded Construction
- Back Gauge Counter
- Scribed on Shadow Cutting Line
- Counter Unit

HYDRAULIC SWING BEAM SHEARS WITH SINGLE AXIS CNC

FEATURES

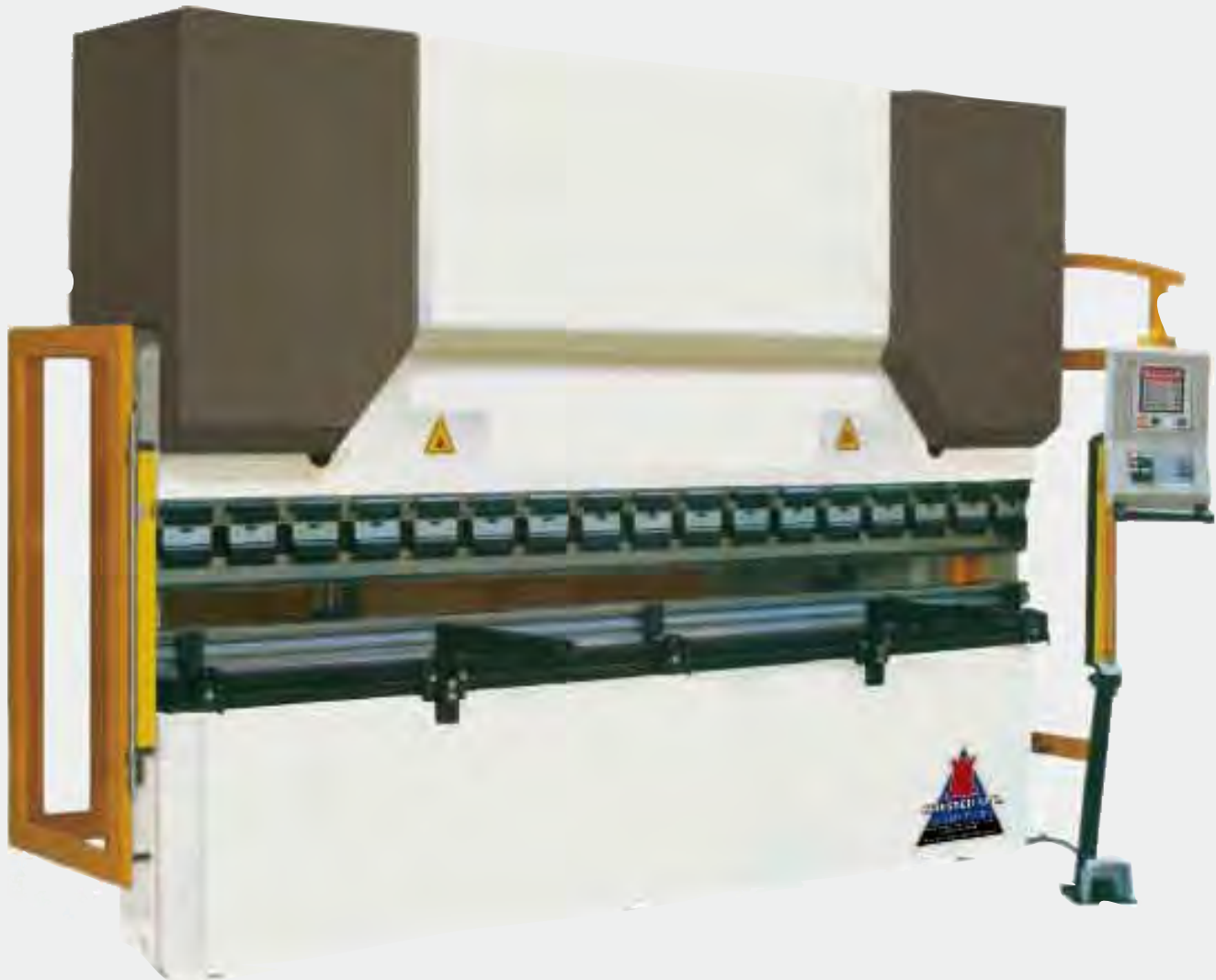
- Adjustable Cutting Stroke
- Digital Counter
- Light Cutting Line
- Air Power Back Support
- Powered Back Gauge with Digital Readout
- Easy Adjust Blade Clearance
- Single Axis CNC



SPECIFICATION

Model	Max Cutting Capacity Steel	Max Cutting Capacity Stainless Steel	Cutting Length	Cutting Angle	Cutting Cycle per Min	Adjustment Range of Backgauge	Motor	Weight	Dimensions (LxWxH)
HS4x2500-cnc	0.5-4mm	0.5-2mm	2500mm	1.5°	>12	20-600mm	7.5kw	3600kgs	3100x1470x1560mm
HS6x3200-cnc	0.5-6mm	0.5-3.5mm	3200mm	1.5°	>18	20-600mm	7.5kw	8580kgs	3840x1675x1620mm
HS12x3200-cnc	1-12mm	1-6mm	3200mm	1.5°	>12	20-800mm	18.5kw	10000kgs	3945x2227x2115mm

HYDRAULIC PRESS BRAKES



SPECIFICATION

Model	Bending Length	Pressure	Depth of Groove	Stroke	Ram Speed			Main Motor	Weight	Dimensions
					Fast	Work	Return			
HPB80x2500	2500mm	800kn	320mm	120mm	36	12	74	7.5kw	5360kgs	2572x1300x2550mm
HPB100x3200	3200mm	1000kn	330mm	160mm	39	7	80	7.5kw	7490kgs	3172x1300x2615mm
HPB160x3200	3200mm	1600kn	320mm	200mm	60	7	52	11kw	10500kgs	1940x2800x14000mm



HYDRAULIC PUNCH AND SHEAR

HYDRAULIC PUNCH AND SHEAR (METALWORKER)



Punching Station
Full range of universal punches & dies are available Unique Style allows for large angle iron punching and large channel punching.



Punching Station
Large viewing window on stripper. Swing away design for ease of operation. Large two piece gauging table with rulers and stop. Quick change coupling nut and sleeve for rapid replacement or change.



Round and Square Bar shear
has multiple holes for a variety of sizes. Adjustable holddown for clean square cutting Optional Channel and beam shears available



Large strong guarding for safety.



Diamond shaped blade for quality cuts and no material loss with minimum deformity. Forty Five degree mitre cut both top and bottom leg for a picture frame corner



The angle iron shear has the ability to cut angle iron at 45 degrees both top and bottom leg. This gives the operator the ability to make a picture frame corner for perfect welds.



Flat Bar Shearing Station. Easily hold down with good operator visibility for accurate cutting. Large 15" squaring arm with inlaid scale as standard equipment.



Notching Station
Unique design allows for unsurpassed cutting of angle and flat bar. Electrically interlocked safety guard for maximum operator safety. Ventilated guard for maximum operator visibility. Three gauging stops for precise positioning.



Three ft electronic back gauge supplied as standard equipment. Fine adjustment allows for precision cuts. Fully protected electrical harness for safety and reliability. Large contact button for maximum productivity.



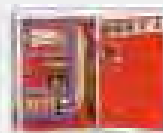
Specially contoured anti-distorsion blade for quality cuts. Lower blade had four usable edges. Allen head set screws allow for easy gapping of the machine. No shimming is required.



Standard Tooling. Five round sets of punches. Multi Vee bending attachment interchangeable plates for stripper. Quick change coupling nuts and sleeves



Multi Vee Press Brake tooling is supplied as standard equipment including gooseneck top and multi vee bottom.



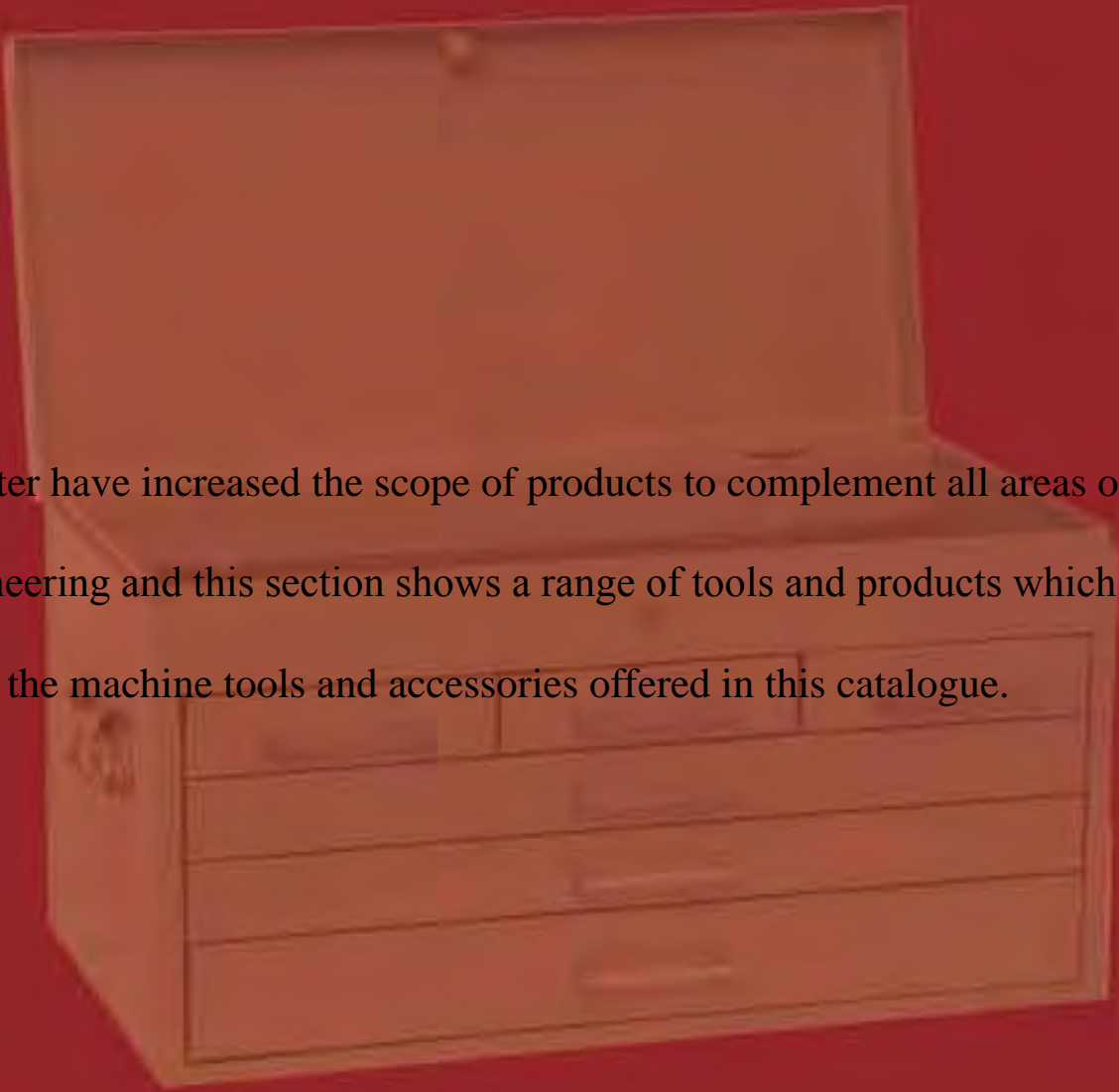
Electrical cabinet with low 24 volt DC control circuit providing full protection Quality Schneider electrical components.



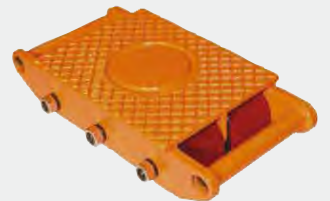
Quality high horsepower motors with universal oil filter for ease of maintenance.

SPECIFICATION

Model	HYI-16	HYI-20	HYI-25	HYI-30
Pressure	56tons	75tons	110tons	140tons
Max Cutting Thickness	16mm	20mm	25mm	30mm
Plate Strength	450	450	450	450
Cutting Angle	7°	8°	8°	8°
Shearing Size - 1 Stroke	16x250 8x400	20x330 10x480	25x330 16x600	30x355 20x600
Ram Stroke	80mm	80mm	80mm	80mm
Number of Strokes	8cpm	8cpm	6cpm	6cpm
Throat Depth	300mm	355mm	400mm	600mm
Punching Thickness	16mm	20mm	25mm	26mm
Max Punching Diameter	25mm	30mm	35mm	38mm
Motor	4Kw	5.5Kw	7.5Kw	11Kw
Dimensions	1640x730x1770mm	1860x800x1900mm	2355x960x2090mm	2680x1040x2300mm
Weight	1600kgs	2000kgs	4800kgs	6800kgs



Chester have increased the scope of products to complement all areas of engineering and this section shows a range of tools and products which fit with the machine tools and accessories offered in this catalogue.



WORKSHOP EQUIPMENT

MIG 140



STANDARD ACCESSORIES:

- Helmet
- Glass
- Hammer
- Brush
- Tip
- Wrench
- 0.8mm core flux wire
- Hose
- Regulator

SPECIFICATION

Rated Input Voltage	230V
Frequency	50Hz
Voltage at no Load	28V
Range of Current	25-135A
Rated Duty Cycle	90A@20%
Input Capacity	2KVA
Insulation Class	F
Fuse	15A

PALLET TRUCKS



SPECIFICATION

Capacity	Weight	Stock Code	Price ex vat	Price inc vat
2500kgs	30kgs	PAL-001	£195.00	£229.13

Cast Aluminium Wheels u.p.v.c. coated
Quick acting aluminium cast pump
Rubber coated handle with auto - release

MACHINE SKATES AND JACKS

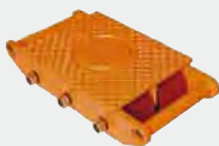
TOE JACKS



SPECIFICATION

Capacity	5 ton	10 ton
Lifting Height	205mm	230mm
Min Height Tooth	25mm	30mm
Min Height head	368mm	420mm
Load on the Operating Handle	380N	400N
Net Weight	25kgs	35kgs
Temperature Range of use	-20° - + 50° C	-20° - + 50° C
Packing Size	360x190x430mm	380x220x510mm
Stock Code	JAC-TOE-001	JAC-TOE-002
Price ex vat	£255.00	£325.00
Price inc vat	£293.25	£373.75

SKATES



SKA04,05,06,07



SKA03



SKA01,02

SPECIFICATION

Model	Capacity	Dimensions L x W x H	Number of Wheels	Net Weight	Stock Code	Price ex vat	Price inc vat
SKA01	3 ton	200x160x115mm	4 nylon	13kgs	SKA-3T	£76.61	£88.10
SKA02	6 tons	400x250x115mm	8 nylon	53kgs	SKA-6T	£203.67	£234.23
SKA03	12 tons	400x250x115mm	8 steel	75kgs	SKA-12T	£230.77	£265.38
SKA04	6 tons	310x210x95mm	4 pu	13kgs	SKA-6T-S	£65.00	£74.75
SKA05	8 tons	410x210x95mm	6 pu	20kgs	SKA-8T-S	£94.00	£108.10
SKA06	12 tons	510x210x95mm	8 pu	26kgs	SKA-12T-S	£130.00	£149.50
SKA07	18 tons	495x312x100mm	12 pu	40kgs	SKA-18T-S	£216.00	£248.41

ELECTRIC HOIST

SPECIFICATION

Model	HR250	HR400	HR800
Max Capacity Single Line Pull	125kg	200kg	400kg
Max Capacity Double Line Pull	250kg	400kg	800kg
Weight	12kg	17kg	
Stock Code	HOIST-001	HOIST-002	HOIST-003
Price ex vat	£60.00	£77.39	£99.96
Price inc	£69.00	£89.00	£114.95



HAND WINCH

SPECIFICATION

Diameter of Rope	4.2mm
Length of Rope	8m
Line Pull	360Kgs (800lb)
Stock Code	WIN-H-360
Price ex vat	£17.01
Price inc vat	£19.99



PARTS WASHERS

SPECIFICATION

Capacity	10 Litres	54 Litres	136 Litres
Flow Rate	6 l/min	4 l/min	5-8l/min
Weight	15kgs	26kgs	40kgs
Stock Code	WASH-PART-3.5	WASH-PART-20	WASH-PART-40
Price ex vat	£30.43	£65.21	£95.64
Price inc vat	£34.99	£74.99	£109.99



10 LITRE



54 LITRE



136 LITRE

TOOLBOXES

LIGHT DUTY TOOLBOX



TBT2006



TBI2002



TBR2003



MEDIUM DUTY TOOLBOX



TBT3411



TBR3407



HEAVY DUTY TOOLBOX

TBR 8005



TBR 8011



Twin Drawer Runners



Pneumatic Lid Support

SPECIFICATION

Model	Width	Depth	Height	Weight	Stock Code	Price ex vat	Price inc vat
TBT2006	660mm	322mm	366mm	24kgs	TBT-001	£78.22	£89.95
TBI2002	668mm	338mm	212mm	13kgs	TBT-002	£39.09	£44.95
TBR2003	680mm	435mm	664mm	27kgs	TBT-003	£95.61	£109.95
TBT3411	1029mm	455mm	519mm	68kgs	TBT-006	£234.74	£269.95
TBR3407	1060mm	480mm	923mm	83kgs	TBT-007	£182.57	£209.95
TBR8011	1434mm	560mm	1075mm	190.5kgs	TBT-008	£416.52	£479.00
TBR8005	1434mm	560mm	645mm	120.5kgs	TBT-009	£629.57	£724.00

MACHINE STANDS



MODEL B



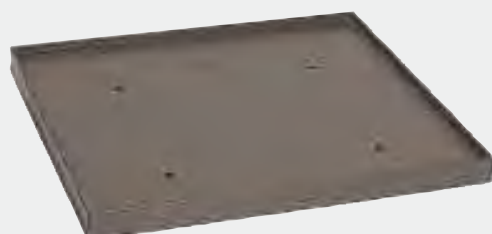
CHAMPION MILL/E25 STAND



LUXMILL/E30STAND



CRAFTSMANSTAND



CHAMPIONMILL/E25TRAY



LUXMILL/E30TRAY



CRAFTSMAN TRAY



MODEL B TRAY

SPECIFICATION

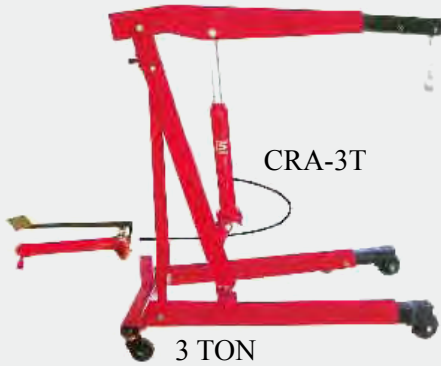
Machine	Height	Width	Depth	Weight	Stock Code	Price ex vat	Price inc vat
Model B/Centurian/Comet	640mm	900mm	350mm	30kgs	STA-MBCENTCOM	£169.57	£195.00
Model B Tray	58mm	1060mm	500mm	10kgs	TRA-MB	£169.57	£195.00
DB8	760mm	835mm	360mm	25kgs	STA-DB8	£144.21	£169.45
DB10G	760mm	1060mm	360mm	25kgs	STA-DB10G	£144.21	£169.45
Craftsman	680mm	1260mm	430mm	40kgs	STA-CRAF	£164.68	£193.50
Craftsman Tray	58mm	1290mm	430mm	15kgs	TRA-CRAF	£61.70	£72.50
920	770mm	950mm	345mm	25kgs	STA-920	£144.21	£169.45
Champion Mill/E25	650mm	520mm	520mm	30kgs	STA-CME25	£144.21	£169.45
E25 Tray	58mm	600mm	700mm	10kgs	TRA-25	£43.40	£51.00
Lux Mill/ E30	650mm	605mm	650mm	40kgs	STA-LUXE30	£169.57	£195.00
Lux Mill/E30 Tray	58mm	730mm	820mm	10kgs	TRA-LUXE30	£60.00	£69.00
DB7VS	750mm	700mm	260mm	25kgs	STA-DB7VS	£92.04	£108.15
DB8VS	750mm	870mm	420mm	25kgs	STA-DB8VS	£109.57	£128.75
DB10VS	750mm	1100mm	420mm	30kgs	STA-DB10VS	£130.61	£153.47
DB11VS	750mm	1280mm	420mm	35kgs	STA-DB11VS	£148.14	£174.06
CHAMPION 20	800mm	720mm	480mm	20kgs	STA-CM20V	£144.21	£169.45

LIFTING CRANES



Suitable for use with lifting cranes the load leveller can precisely adjust the balance point of the load. Supplied with 2 Chains and adjusting handle.

Ideal for mounting on trailers or pickup trucks. It has a 900kgs capacity and full 360 degree swivel capability.



Delivery by Quotation

SPECIFICATION

Stock Code	CRA-1T	CRA-3T	CRA-SC-900	CRA-LL450
Working Range of Boom	960-1240mm	1200-1830mm	870-1290mm	415mm
Lifting Range	0-2150mm	0-2200mm	0-2015mm	
Max Lifting Capacity	1ton	3ton	900kgs	450kgs
Dimension	1340x260x190mm	1465x860x250mm	290x290x330mm	680x240x90mm
Net Weight	25kgs	154kgs	39kgs	4.7kgs
Price ex vat	£108.07	£242.61	£120.87	£10.87
Price ex vat	£125.00	£279.0	£139.00	£12.50

HYDRAULIC PRESSES



SPECIFICATION

Stock Code	Capacity	Stroke	Min: Operating Distance	Max: Operating Distance	Dimensions	Net Weight	Price ex vat	Price inc vat
PRE-8T	8ton	135mm	90mm	358mm	750x220x210mm	43kgs	£117.35	£134.95
PRE-20T	20ton	145mm	90mm	1035mm	1580x235x195mm	180kgs	£186.96	£215.00
PRE-50T	50ton	235mm	20mm	820mm	1850x950x430mm	227kgs	£390.63	£449.00

Delivery by Quotation

WEBBED SLINGS



6 TON

SPECIFICATION

Model	Length	Load Capacity	Stock Code	Price ex vat	Price inc vat
WEB1	2m	3 tons	SLI-W-3X2	£4.35	£5.00
WEB2	4m	3 tons	SLI-W-3X4	£8.69	£9.99
WEB3	6m	3 tons	SLI-W-3X6	£13.03	£14.99
WEB4	8m	3 tons	SLI-W-3X8	£16.96	£19.50
WEB5	6m	4 tons	SLI-W-4X6	£17.38	£19.99
WEB6	8m	6 tons	SLI-W-6X8	£36.52	£42.00
WEB7	10m	6 tons	SLI-W-6X10	£45.22	£52.00

All Webbed Slings are fully tested and come with Certification.

ROUND SLINGS



2 TON

3 TON

SPECIFICATION

Model	Length	Load Capacity	Stock Code	Price ex vat	Price inc vat
RND1	2m	2 tons	SLI-R-2X2	£3.47	£3.99
RND2	4m	2 tons	SLI-R-2X4	£6.95	£7.99
RND3	6m	2 tons	SLI-R-2X6	£10.43	£11.99
RND4	3m	3 tons	SLI-R-3X3	£6.95	£7.99
RND5	4m	3 tons	SLI-R-3X4	£8.65	£9.95
RND6	6m	3 tons	SLI-R-3X6	£13.00	£14.95

All Round Slings are fully tested and come with Certification.

RATCHET STRAPS



5 TON RATCHET STRAP WITH JJ HOOK

RATCHETC/WSTRAP

Model	Length	Hook	Load Capacity	Stock Code	Price ex vat	Price inc vat
RTS1	4m	U	1.5 tons	RST-1.5-U	£2.60	£2.99
RTS2	4m	JJ	1.5 tons	RST-1.5-JJ	£2.60	£2.99
RTS3	8m	U	3 tons	RST-3-U	£7.31	£8.59
RTS4	8m	JJ	3 tons	RST-3-JJ	£7.31	£8.59
RTS5	6m	U	5 tons	RST-5X6-U	£6.95	£7.99
RTS6	10m	U	5 tons	RST-5-U	£8.69	£9.99
RTS7	10m	JJ	5 tons	RST-5-JJ	£8.69	£9.99

STRAPW/ORATCHET

Model	Length	Hook	Load Capacity	Stock Code	Price ex vat	Price inc vat
RTS1	4m	U	1.5 tons	STR-5-U	£6.52	£7.50
RTS2	4m	JJ	1.5 tons	STR-5-JJ	£6.52	£7.50

MACHINISTS OVERALLS



Chester Machinists Overalls are made from 65% Polyester and 35% Cotton. Sleeves have a gusset with press studs and the waist band is elasticated. There are two breast pockets one with a press stud and one with pen pockets. The legs have two trouser pockets, one thigh pocket and a back pocket.

Machinists Overalls are available in sizes :-Small, Medium, Large, X Large, XX Large, XXX Large



SPECIFICATION

Size	Stock Code	Price ex vat	Price inc vat
Small		£11.30	£12.99
Medium		£11.30	£12.99
Large		£11.30	£12.99
X Large		£11.30	£12.99
XX Large		£11.30	£12.99
XXX Large		£11.30	£12.99

6" x 9" DISC SANDER



SPECIFICATION

Disc Size	9"/230mm
Table Size	310x 160mm
Motor Power	1hp
Belt Size	6" X 48"
Power Supply	240volt
Wheel Speed	2850rpm
Table Tilt	45 degrees
Belt Tilt	90 degrees
Net Weight	68kgs
Stock Code	SAND-6X9
Price ex vat	£195.65
Price inc vat	£225.00

12" DISC SANDER



Fitted with Mitre Attachment

SPECIFICATION

Disc Size	300mm
Motor Power	750w
Power Supply	240volt
Table Tilt	45 degrees
Wheel Speed	1450rpm
Net Weight	11.5kgs
Stock Code	SAND -12
Price ex vat	£86.09
Price inc vat	£99.00

1" X 5" BELT & DISC SANDER



Angled Tilting Tables

SPECIFICATION

Belt Size	1" X 30"/25X762mm
Disc Size	5"
Motor	300W
Belt Speed	16.4m/s
Disc Speed	3400r/min
Stock Code	SAND-1X5
Price ex vat	£42.61
Price inc vat	£49.00

4" X 6" BELT & DISC SANDER



Tilting Mitre Table and Belt Sander

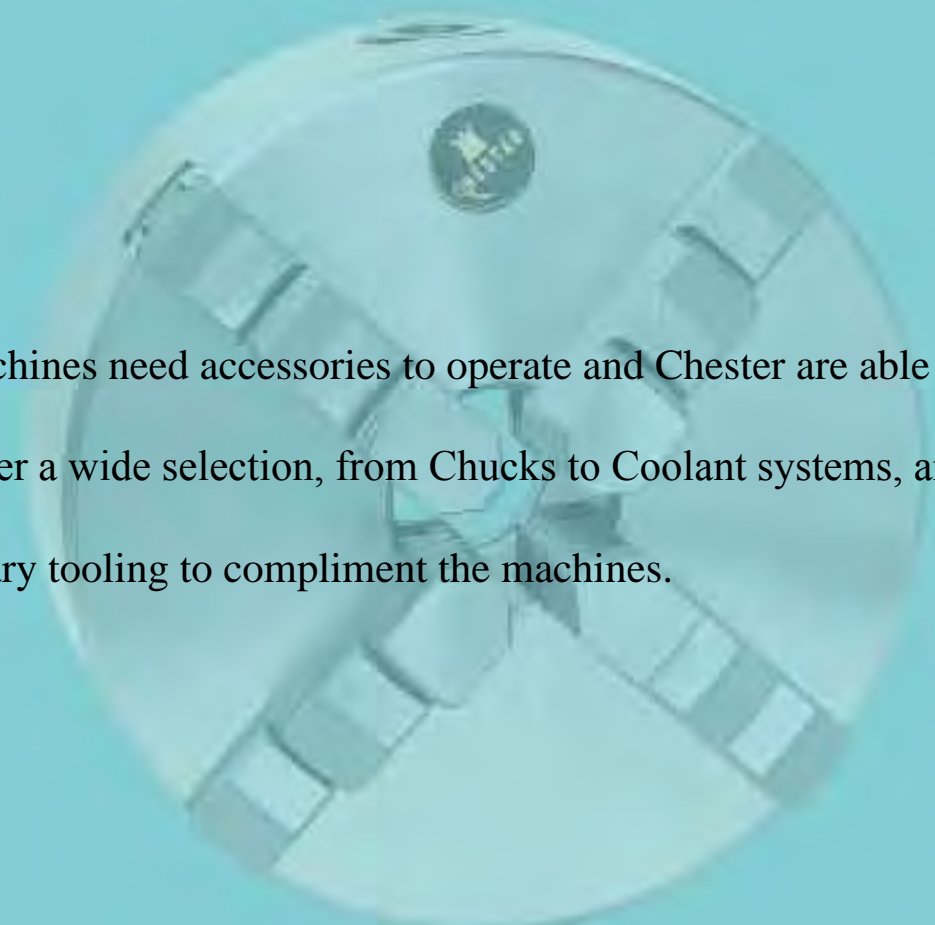
This belt and disc sander can be used in a vertical or horizontal position. Table tilts 45°, Mitre Gauge swivels left/right 60°.

STANDARD ACCESSORIES

- 1/3 HP Single Phase Motor
- Abrasive Disc
- Abrasive Belt

SPECIFICATION

Belt Size	4" X 36"
Disc Size	6"
Motor	370W
Speed	2850RPM
Stock Code	SAND-BD46A
Price ex vat	£65.22
Price inc vat	£75.00



All machines need accessories to operate and Chester are able to offer the customer a wide selection, from Chucks to Coolant systems, and also all the necessary tooling to compliment the machines.



MACHINE ACCESSORIES



KEYTYPEDRILLCHUCKS



Size	Taper	Stock Code	Weight	Price ex -vat	Price inc -vat
0.6-6mm	B10	005-100	0.25kg	£7.02	£8.07
0.6-6mm	B12	005-101	0.25kg	£7.02	£8.07
0.6-6mm	JT1	005-102	0.25kg	£7.02	£8.07
1-10mm	B12	005-010	0.25kg	£8.72	£10.03
1-10mm	B16	005-103	0.25kg	£8.72	£10.03
1-10mm	JT2	005-104	0.25kg	£8.72	£10.03
1-13mm	B16	005-105	0.5kg	£11.50	£13.23
1-13mm	JT6	005-106	0.5kg	£11.05	£12.71
3-16mm	B16	005-107	0.5kg	£18.40	£21.16
3-16mm	B18	005-109	0.5kg	£18.40	£21.16
3-16mm	JT6	005-108	0.5kg	£18.40	£21.16
3-16mm	JT3	005-011	0.5kg	£18.40	£21.16

KEYLESSDRILL CHUCKS



Size	Taper	Stock Code	Weight	Price ex -vat	Price inc -vat
0.5-6mm	B10	005-117	0.25kg	£19.71	£22.67
0.6-6mm	B12	005-116	0.25kg	£19.71	£22.67
1-10mm	B12	005-110	0.25kg	£20.86	£23.99
1-10mm	JT2	005-115	0.25kg	£20.86	£23.99
1-13mm	B16	005-111	0.5kg	£25.75	£29.61
1-13mm	JT6	005-114	0.5kg	£25.75	£29.61
1-16mm	B18	005-118	0.5kg	£30.90	£35.54
3-16mm	B16	005-112	0.5kg	£30.90	£35.54
3-16mm	JT6	005-113	0.5kg	£30.90	£35.54

MORSE TAPER DRILL CHUCK ARBORS



Shank	Chuck Taper	Fitting	Stock Code	Weight	Price ex vat	Price inc.vat
MT1	B10	Tang	005-200	0.25kg	£2.58	£2.97
MT1	B10	M6	005-248	0.25kg	£2.58	£2.97
MT1	B12	Tang	005-201	0.25kg	£2.58	£2.97
MT1	B16	"	005-247	0.25kg	£2.58	£2.97
MT1	JT1	"	005-202	0.25kg	£2.58	£2.97
MT1	JT2	"	005-203	0.25kg	£2.58	£2.97
MT1	JT6	"	005-204	0.25kg	£2.58	£2.97
MT2	B10	"	005-230	0.25kg	£2.58	£2.97
MT2	B12	"	005-205	0.25kg	£2.58	£2.97
MT2	B16	"	005-206	0.25kg	£2.58	£2.97
MT2	B16	M10	005-245	0.25kg	£2.58	£2.97
MT2	JT1	Tang	005-207	0.25kg	£2.58	£2.97
MT2	JT2	"	005-208	0.25kg	£2.58	£2.97
MT2	JT6	"	005-209	0.25kg	£2.58	£2.97
MT2	JT3	"	005-232	0.25kg	£2.58	£2.97
MT3	B10	"	005-231	0.25kg	£7.16	£8.23
MT3	B12	"	005-211	0.25kg	£7.16	£8.23
MT3	B16	"	005-212	0.25kg	£7.16	£8.23
MT3	B16	M12	005-213	0.25kg	£8.76	£10.07
MT3	B18	Tang	005-228	0.25kg	£7.16	£8.23
MT3	JT2	"	005-214	0.25kg	£7.16	£8.23
MT3	JT6	"	005-215	0.25kg	£7.16	£8.23
MT3	JT3	"	005-233	0.25kg	£7.16	£8.23
MT4	B16	"	005-217	0.5kg	£10.25	£11.79
MT4	JT6	"	005-218	0.5kg	£10.25	£11.79

DRILL CHUCK ARBORS-ISO



Shank	Chuck Taper	Fitting	Stock Code	Weight	Price ex -vat	Price inc -vat
ISO30	B16	M12	005-221	0.5kg	£40.69	£46.79
ISO30	JT6	M12	005-222	0.5kg	£40.69	£46.79
ISO40	B16	M16	005-223	1kg	£45.85	£52.73
ISO40	JT6	M16	005-224	1kg	£45.85	£52.73
ISO40	JT3	M16	005-235	1kg	£45.85	£52.73
ISO50	B16	M24	005-225	3kg	£56.60	£65.09
ISO50	JT6	M24	005-226	3kg	£56.60	£65.09

DRILL CHUCK ARBORS-R8



Shank	Chuck Taper	Fitting	Stock Code	Weight	Price ex -vat	Price inc -vat
R8	B16	7/16"	005-219	0.25kg	£13.34	£15.34
R8	B18	7/16"	005-227	0.25kg	£13.34	£15.34
R8	JT6	7/16"	005-220	0.25kg	£13.34	£15.34
R8	JT3	7/16"	005-234	0.25kg	£13.34	£15.34

DRILLCHUCKANDARBORSETS



KEYTYPE DRILLCHUCK AND ARBOR

Drill Chuck & Arbor	Price ex vat	Price inc vat
0.6-6mm/MT1	£8.09	£9.30
0.6-6mm/MT2	£8.09	£9.30
1-10mm/MT1	£9.61	£11.05
1-10mm/MT2	£9.61	£11.05
1-10mm/MT3	£13.50	£15.53
1-13mm/MT2	£11.91	£13.70
1-13mm/MT3	£15.74	£18.10
3-16mm/MT2	£17.84	£20.52
3-16mm/MT3	£21.73	£24.99



KEYLESS DRILLCHUCK & ARBOR

Drill Chuck & Arbor	Price ex vat	Price inc vat
0.6-6mm/MT1	£34.86	£40.09
0.6-6mm/MT2	£34.86	£40.09
1-10mm/MT1	£36.00	£41.40
1-10mm/MT2	£36.00	£41.40
1-10mm/MT3	£36.00	£41.40
1-13mm/MT2	£38.86	£44.69
1-13mm/MT3	£38.86	£44.69
3-16mm/MT2	£42.57	£48.96
3-16mm/MT3	£42.57	£48.96

CHESTER MILLING COLLET CHUCK SET

These collets will hold plain shank or threaded shank end mills, slot drills and twist drills



CHESTER MILLING COLLET CHUCK SET

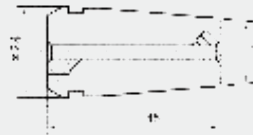
Model	Shank	Collets	No. of	Tapping Collets	Stock Code of Shank	Weight	Price ex vat	Price inc vat
MT2 metric	MT2	4, 5, 6, 8, 10, 12, 14, 16mm	8	M10	003 - 101	2kg	£71.07	£81.73
MT3 metric	MT3	4, 5, 6, 8, 10, 12, 14, 16mm	8	M12	003 - 102	2kg	£71.07	£81.73
R8 metric	R8	4, 5, 6, 8, 10, 12, 14, 16mm	8	7/16" UNF	003 - 103	2kg	£77.20	£88.78
MT2 imperial	MT2	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"	8	M10	003 - 104	2kg	£71.07	£81.73
MT3 imperial	MT3	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"	8	M12	003 - 105	2kg	£71.07	£81.73
R8 imperial	R8	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"	8	7/16" UNF	003 - 106	2kg	£77.20	£88.78

ADDITIONAL COLLET SETS

Model	Collets	No. of Collets	Stock code	Weight	Price ex vat	Price inc vat
Imperial Collets	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"	8	003 - 204	1kg	£51.45	£59.17
Metric Collets	4, 5, 6, 8, 10, 12, 14, 16mm	8	003 - 205	1kg	£51.45	£59.17

ADDITIONAL COLLET HOLDERS

Shank	Tapping	Stock Code	Weight	Price ex vat	Price inc vat
MT2	M10	003 - 201	1kg	£25.75	£29.61
MT3	M12	003 - 202	1kg	£34.20	£39.33
R8	7/16" UNF	003 - 203	1kg	£34.20	£39.33



POZI-LOCK COLLET CHUCK SETS



Model	Shank	Collets	No. of Collets	Tapping of Shank	Stock Code	Weight	Price ex vat	Price inc vat
MT2 Metric	MT2	6, 10, 12, 16mm	4	M10	004 - 101	2kg	£61.80	£71.07
MT3 Metric	MT3	6, 10, 12, 16mm	4	M12	004 - 102	2kg	£75.19	£86.46
R8 Metric	R8	6, 10, 12, 16mm	4	7/16" UNF	004 - 103	2kg	£75.19	£86.46
ISO 30 Metric	ISO 30	6, 10, 12, 16mm	4	M12	004 - 104	2.5kg	£102.95	£118.39
ISO 40 Metric	ISO 40	6, 10, 12, 16mm	4	M16	004 - 105	2.5kg	£108.15	£124.37
MT2 Imperial	MT2	1/4" 3/8" 1/2" 5/8"	4	M10	004 - 106	2kg	£61.80	£71.07
MT3 Imperial	MT3	1/4" 3/8" 1/2" 5/8"	4	M12	004 - 107	2kg	£75.19	£86.46
R8 Imperial	R8	1/4" 3/8" 1/2" 5/8"	4	7/16" UNF	004 - 108	2kg	£75.19	£86.46
ISO 30 Imperial	ISO 30	1/4" 3/8" 1/2" 5/8"	4	M12	004 - 109	2.5kg	£102.95	£118.39
ISO 40 Imperial	ISO 40	1/4" 3/8" 1/2" 5/8"	4	M16	004 - 110	2.5kg	£108.15	£124.37

SPECIAL OFFER

MT 2 & MT3 POZI-LOCK CHUCK inc IMP & MET COLLETS £95.00 inc vat

ADDITIONAL CHUCKS

Model	Shank	Thread of Shank	Stock Code	Weight	Price ex vat	Price inc vat
MT2 Chuck	MT2	M10	004 - 201	1kg	£45.19	£51.97
MT3 Chuck	MT3	M12	004 - 202	1kg	£45.19	£51.97
R8 Chuck	R8	7/16" UNF	004 - 203	1kg	£45.19	£51.97
ISO 30 Chuck	ISO 30	M12	004 - 204	1kg	£75.19	£86.46
ISO 40 Chuck	ISO 40	M16	004 - 205	1kg	£51.30	£59.00

ADDITIONAL COLLETS

Collet	Stock Code	Weight	Price ex vat	Price inc vat
10mm	004 - 207	0.25kg	£9.79	£11.26
6mm	004 - 208	0.25kg	£9.79	£11.26
12mm	004 - 209	0.25kg	£9.79	£11.26
16mm	004 - 210	0.25kg	£9.79	£11.26
1/4"	004 - 211	0.25kg	£9.79	£11.26
3/8"	004 - 212	0.25kg	£9.79	£11.26
1/2"	004 - 213	0.25kg	£9.79	£11.26
5/8"	004 - 214	0.25kg	£9.79	£11.26

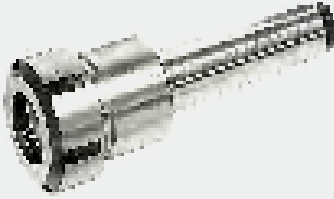
Each set contains either 4 metric or 4 imperial collets. All collet chucks are screwed to accept machine drawbar

'Pozi-lock' collet sets are used to hold threaded shank end mills and slot drills.



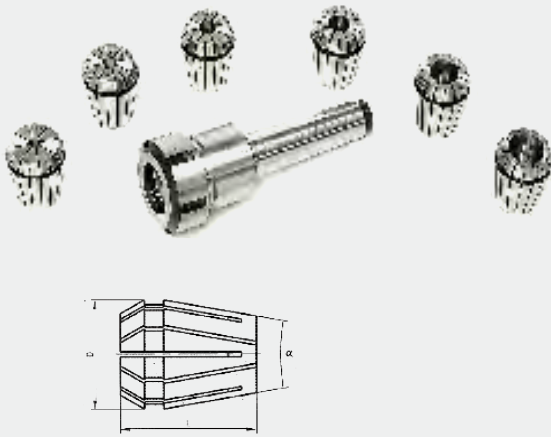
ER COLLET SYSTEMS

ER COLLET CHUCKS



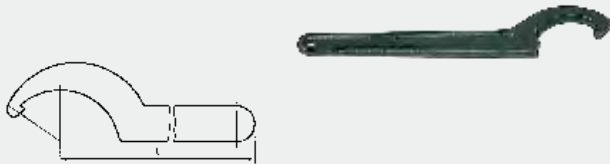
Taper	Size	Stock Code	Weight	Price ex-vat	Price inc-vat
MT2	ER25	069-021	0.5kg	£55.10	£63.37
MT3	ER32	069-071	0.5kg	£59.71	£68.67
R8	ER16	069-061	0.5kg	£51.45	£59.17
R8	ER25	069-062	0.75kg	£56.65	£65.15
R8	ER32	069-063	1kg	£62.30	£71.65
R8	ER40	069-064	1kg	£66.18	£76.11
ISO30	ER16	069-031	0.5kg	£58.00	£66.70
ISO30	ER25	069-032	0.75kg	£68.00	£78.20
ISO30	ER32	069-033	1kg	£68.00	£78.20
ISO40	ER16	069-041	1kg	£64.00	£73.60
ISO40	ER25	069-042	1kg	£72.10	£82.92
ISO40	ER32	069-043	1kg	£74.00	£85.10
ISO50	ER16	069-051	1.5kg	£102.00	£117.30
ISO50	ER25	069-052	1.5kg	£108.00	£124.20
ISO50	ER32	069-053	1.5kg	£114.00	£131.10

ER COLLETS



Range	ER16	E20	ER25	ER32	Weight	Price Ex-vat	Price Inc-vat
1-2mm	069-102	069-202	069-302	069-402	0.25kg	£12.88	£14.81
2-3mm	069-103	069-203	069-303	069-403	0.25kg	£12.88	£14.81
3-4mm	069-104	069-204	069-304	069-404	0.25kg	£10.50	£12.08
4-5mm	069-105	069-205	069-305	069-405	0.25kg	£10.50	£12.08
5-6mm	069-106	069-206	069-306	069-406	0.25kg	£10.50	£12.08
6-7mm	069-107	069-207	069-307	069-407	0.25kg	£10.50	£12.08
7-8mm	069-108	069-208	069-308	069-408	0.25kg	£10.50	£12.08
8-9mm	069-109	069-209	069-309	069-409	0.25kg	£10.50	£12.08
9-10mm	069-110	069-210	069-310	069-4091	0.25kg	£10.50	£12.08
10-11mm	-	069-211	069-311	069-410	0.25kg	£10.50	£12.08
11-12mm	-	069-212	069-312	069-411	0.25kg	£10.50	£12.08
12-13mm	-	069-213	069-313	069-412	0.25kg	£10.50	£12.08
13-14mm	-	-	069-314	069-413	0.25kg	£10.50	£12.08
14-15mm	-	-	069-315	069-414	0.25kg	£10.50	£12.08
15-16mm	-	-	069-316	069-415	0.25kg	£10.50	£12.08
16-17mm	-	-	-	069-416	0.25kg	£10.50	£12.08
17-18mm	-	-	-	069-417	0.25kg	£10.50	£12.08
18-19mm	-	-	-	069-418	0.25kg	£10.50	£12.08
19-20mm	-	-	-	069-419	0.25kg	£10.50	£12.08

ER COLLET CHUCK SPANNERS



Size	Stock Code	Weight	Price Ex-vat	Price Inc-vat
ER16	069-002	0.25kg	£10.52	£12.10
ER20	069-003	0.25kg	£10.95	£12.59
ER25	069-004	0.25kg	£11.80	£13.57
ER32	069-005	0.25kg	£12.70	£14.61
ER40	069-	0.25kg	£16.25	£18.69

ER COLLET CHUCK SETS

EACH SET INCLUDES COLLETS, SPANNER AND CHUCK



Taper	Size	No of Collets	Size of Collets	Stock Code	Weight	Price ex-vat	Price inc-vat
MT2	ER25	6	6,8,10,12,16,20	069-610	2.5kg	£135.87	£156.25
MT3	ER32	6	6,8,10,12,16,20	069-611	2.5kg	£153.41	£176.42
MT3	ER32	12	3,4,5,6,8,10,12,14,15,16,18,20	069-612	3kg	£180.50	£207.58
R8	ER32	6	6,8,10,12,16,20	069-613	2.5kg	£149.02	£171.37
R8	ER32	12	3,4,5,6,8,10,12,14,15,16,18,20	069-614	3kg	£201.61	£231.85
ISO30	ER32	12	3,4,5,6,8,10,12,14,15,16,18,20	069-615	3kg	£210.39	£241.95
ISO40	ER40	12	3,4,5,6,8,10,12,14,15,16,18,20	069-616	3kg	£219.15	£252.02

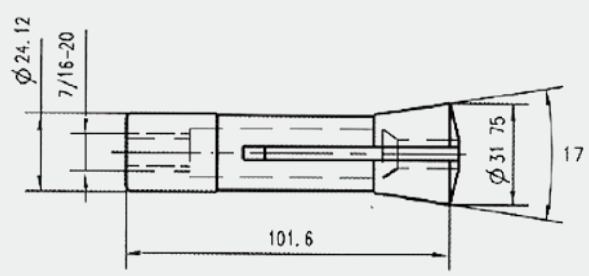
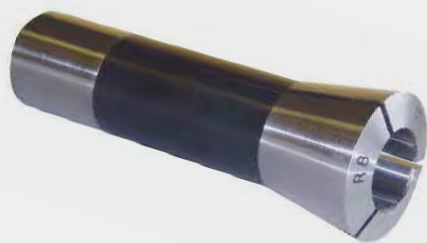
COLLET RACKS



Size	Stock Code	Weight	Price Ex-vat	Price Inc-vat
MT1	003-RACK-MT1	0.5kg	£10.76	£12.37
MT2	003-RACK-MT2	0.5kg	£13.85	£15.93
MT3	003-RACK-MT3	0.5kg	£18.46	£21.23

EACH UNIT IS A RIGID STEEL CONSTRUCTION POWDER COATED

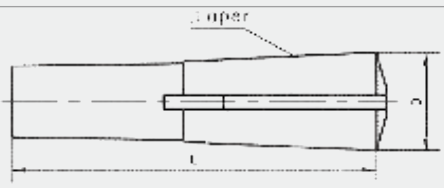
R8 COLLETS



Metric Size	Stock Code	Tapping	Weight	Price ex vat	Price inc vat
3mm	006 - 103	7/16"UNF	0.25kg	£5.90	£6.79
4mm	006 - 104	7/16"UNF	0.25kg	£5.90	£6.79
5mm	006 - 105	7/16"UNF	0.25kg	£5.90	£6.79
6mm	006 - 106	7/16"UNF	0.25kg	£5.90	£6.79
7mm	006 - 107	7/16"UNF	0.25kg	£5.90	£6.79
8mm	006 - 108	7/16"UNF	0.25kg	£5.90	£6.79
9mm	006 - 109	7/16"UNF	0.25kg	£5.90	£6.79
10mm	006 - 110	7/16"UNF	0.25kg	£5.90	£6.79
11mm	006 - 111	7/16"UNF	0.25kg	£5.90	£6.79
12mm	006 - 112	7/16"UNF	0.25kg	£5.90	£6.79
13mm	006 - 113	7/16"UNF	0.25kg	£5.90	£6.79
14mm	006 - 114	7/16"UNF	0.25kg	£5.90	£6.79
15mm	006 - 115	7/16"UNF	0.25kg	£5.90	£6.79
16mm	006 - 116	7/16"UNF	0.25kg	£5.90	£6.79
17mm	006 - 117	7/16"UNF	0.25kg	£5.90	£6.79
18mm	006 - 118	7/16"UNF	0.25kg	£5.90	£6.79
19mm	006 - 119	7/16"UNF	0.25kg	£5.90	£6.79
20mm	006 - 120	7/16"UNF	0.25kg	£5.90	£6.79

Imperial Size	Stock Code	Tapping	Weight	Price ex vat	Price inc vat
1/8"	006 - 203	7/16" UNF	0.25kg	£5.90	£6.79
3/16"	006 - 204	7/16"UNF	0.25kg	£5.90	£6.79
1/4"	006 - 205	7/16"UNF	0.25kg	£5.90	£6.79
5/16"	006 -206	7/16"UNF	0.25kg	£5.90	£6.79
3/8"	006 - 207	7/16"UNF	0.25kg	£5.90	£6.79
7/16"	006 - 208	7/16"UNF	0.25kg	£5.90	£6.79
1/2"	006 - 209	7/16"UNF	0.25kg	£5.90	£6.79
9/16"	006 - 210	7/16"UNF	0.25kg	£5.90	£6.79
5/8"	006 - 211	7/16"UNF	0.25kg	£5.90	£6.79
3/4"	006 - 212	7/16"UNF	0.25kg	£5.90	£6.79
13/16	006 - 213	7/16"UNF	0.25kg	£5.90	£6.79
7/8"	006 - 214	7/16"UNF	0.25kg	£5.90	£6.79
11/16"	006 - 215	7/16"UNF	0.25kg	£5.90	£6.79

MORSE TAPER COLLETS



MT1
L = 57mm
D = 12.2mm

MT2
L = 68mm
D = 18mm

MT3
L = 86mm
D = 24.1mm

MORSE TAPER 3

Tapping	Size	Stock Code	Weight	Price ex vat	Price inc vat
M12	1/8"	058-111	0.25kg	£6.08	£6.99
M12	1/4"	058-112	0.25kg	£6.08	£6.99
M12	5/16"	058-128	0.25kg	£6.08	£6.99
M12	3/8"	058-113	0.25kg	£6.08	£6.99
M12	1/2"	058-114	0.25kg	£6.08	£6.99
M12	9/16"	058-129	0.25kg	£6.08	£6.99
M12	5/8"	058-115	0.25kg	£6.08	£6.99
M12	3/4"	058-116	0.25kg	£6.08	£6.99
M12	3mm	058-126	0.25kg	£6.08	£6.99
M12	4mm	058-117	0.25kg	£6.08	£6.99
M12	5mm	058-118	0.25kg	£6.08	£6.99
M12	6mm	058-119	0.25kg	£6.08	£6.99
M12	8mm	058-120	0.25kg	£6.08	£6.99
M12	10mm	058-121	0.25kg	£6.08	£6.99
M12	12mm	058-122	0.25kg	£6.08	£6.99
M12	14mm	058-123	0.25kg	£6.08	£6.99
M12	16mm	058-124	0.25kg	£6.08	£6.99
M12	18mm	058-125	0.25kg	£6.08	£6.99
1/2"	1/8"	058-160	0.25kg	£6.08	£6.99
1/2"	1/4"	058-161	0.25kg	£6.08	£6.99
1/2"	5/16"	058-162	0.25kg	£6.08	£6.99
1/2"	3/8"	058-163	0.25kg	£6.08	£6.99
1/2"	1/2"	058-164	0.25kg	£6.08	£6.99
1/2"	9/16"	058-165	0.25kg	£6.08	£6.99
1/2"	5/8"	058-166	0.25kg	£6.08	£6.99
1/2"	3/4"	058-167	0.25kg	£6.08	£6.99
1/2"	3mm	058-170	0.25kg	£6.08	£6.99
1/2"	4mm	058-171	0.25kg	£6.08	£6.99
1/2"	5mm	058-172	0.25kg	£6.08	£6.99
1/2"	6mm	058-173	0.25kg	£6.08	£6.99
1/2"	8mm	058-174	0.25kg	£6.08	£6.99
1/2"	10mm	058-175	0.25kg	£6.08	£6.99
1/2"	12mm	058-176	0.25kg	£6.08	£6.99
1/2"	14mm	058-177	0.25kg	£6.08	£6.99
1/2"	16mm	058-178	0.25kg	£6.08	£6.99
1/2"	18mm	058-179	0.25kg	£6.08	£6.99

MORSE TAPER 1

Tapping	Size	Stock Code	Weight	Price ex vat	Price inc vat
M6	2mm	058 - 002	0.1kg	£4.34	£4.99
M6	3mm	058 - 003	0.1kg	£4.34	£4.99
M6	4mm	058 - 004	0.1kg	£4.34	£4.99
M6	6mm	058 - 006	0.1kg	£4.34	£4.99
M6	8mm	058 - 008	0.1kg	£4.34	£4.99

MORSE TAPER 2

Tapping	Size	Stock Code	Weight	Price ex vat	Price inc vat
M10	1/8"	058-101	0.2kg	£5.21	£5.99
M10	1/4"	058-102	0.2kg	£5.21	£5.99
M10	3/8"	058-103	0.2kg	£5.21	£5.99
M10	1/2"	058-104	0.2kg	£5.21	£5.99
M10	4mm	058-105	0.2kg	£5.21	£5.99
M10	5mm	058-106	0.2kg	£5.21	£5.99
M10	6mm	058-107	0.2kg	£5.21	£5.99
M10	8mm	058-108	0.2kg	£5.21	£5.99
M10	10mm	058-109	0.2kg	£5.21	£5.99
M10	12mm	058-110	0.2kg	£5.21	£5.99
3/8"	4mm	058-130	0.2kg	£5.21	£5.99
3/8"	5mm	058-130A	0.2kg	£5.21	£5.99
3/8"	6mm	058-131	0.2kg	£5.21	£5.99
3/8"	8mm	058-132	0.2kg	£5.21	£5.99
3/8"	10mm	058-133	0.2kg	£5.21	£5.99
3/8"	12mm	058-134	0.2kg	£5.21	£5.99
3/8"	1/4"	058-137	0.2kg	£5.21	£5.99
3/8"	1/8"	058-138	0.2kg	£5.21	£5.99
3/8"	3/8"	058-139	0.2kg	£5.21	£5.99
3/8"	1/2"	058-140	0.2kg	£5.21	£5.99



ENDMILL HOLDERS



MORSE TAPER

	Tapping	Size	Stock Code	Price
MT3	M12	16mm	057-676	£11.98
MT3	M12	176mm	057-677	£11.98
MT3	M12	18mm	057-678	£11.98
MT3	M12	19mm	057-679	£11.98
MT3	M12	20mm	057-680	£11.98
MT3	M12	21mm	057-681	£12.97
MT3	M12	22mm	057-682	£12.97
MT3	M12	23mm	057-683	£13.96
MT3	M12	24mm	057-684	£13.96
MT3	M12	25mm	057-685	£13.96

R8 METRIC

Size	Taping	Stock Code	Price
16	7/16	057-110	£12.97
18	7/16	057-111	£12.97
20	7/16	057-112	£12.97
25	7/16	057-115	£14.43
32	7/16	057-118	£17.51

R8 IMPERIAL

Size	Taping	Stock Code	Price
5/8	7/16	057-207	£12.97
11/16	7/16	057-208	£12.97
3/4	7/16	057-209	£12.97
7/8	7/16	057-210	£14.43
1	7/16	057-211	£14.43
11/4	7/16	057-212	£17.51
11/2	7/16	057-213	£20.62

BORING & FACING HEAD



SPECIFICATION

Boring Hole Diameter	5-250mm
Clamping hole size	18mm
Sliding Block Travel	±15mm
Feeding per Graduation	0.0005
Hand Operated feed per revolution	3mm
Self acting feeding per revolution	0.02,0.04,0.06mm
Outside Dimension	84x58x80mm
Stock Code	001-110
Net weight	5kgs

BORING TOOL SETS



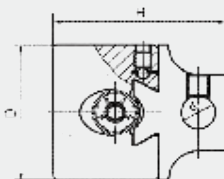
supplied in plastic case

Taper	Connection	Diameter	Tool Size	Tapping	Stock Code	Weight	Price ex vat	Price inc vat
MT2	1 1/2" x 18T.P.I	50mm	1/2"	M10	001 - 400	0.5kg	£51.91	£59.70
MT3	1 1/2" x 18T.P.I	50mm	1/2"	M12	001 - 401	0.5kg	£51.91	£59.70
R8	1 1/2" x 18T.P.I	50mm	1/2"	7/16" UNF	001 - 402	0.5kg	£65.74	£75.60
ISO 30	1 1/2" x 18T.P.I	50mm	1/2"	M12	001 - 404	0.5kg	£69.25	£79.64
ISO 40	1 1/2" x 18T.P.I	50mm	1/2"	M16	001 - 405	1kg	£78.90	£90.74

BORING HEADS



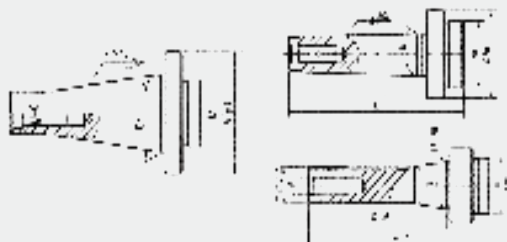
Model	Diameter(D)	Height (H)	Bore	Graduation	Connection	Stock Code	Weight	Price ex vat	Price inc vat
2" x 1/2"	50mm	61.6mm	1/2"	0.01mm	1 1/2" x 18T.P.I	001 - 101	0.5kg	£58.09	£66.80
2" x 12mm	50mm	61.6mm	12mm	0.01mm	1 1/2" x 18T.P.I	001 - 102	0.5kg	£58.09	£66.80
3" x 20mm	75mm	80.2mm	3/4"	0.01mm	1 1/2" x 18T.P.I	001 - 103	2kg	£98.00	£112.70
4" x 20mm	100mm	93.2mm	1"	0.01mm	1 1/2" x 18T.P.I	001 - 104	4kg	£170.00	£195.50



BORING HEADSHANKS



Taper	Connection	Length	Tapping	Stock Code	Weight	Price ex vat	Price inc vat
MT2	1 1/2" x 18T.P.I	93mm	M10	001 - 201	0.5kg	£20.77	£23.88
MT3	1 1/2" x 18T.P.I	110mm	M12	001 - 202	0.5kg	£23.21	£26.69
MT4	1 1/2" x 18T.P.I	133mm	M16	001 - 203	1kg	£26.95	£30.99
R8	1 1/2" x 18T.P.I	132.5mm	7/16" UNF	001 - 204	0.5kg	£26.95	£30.99
ISO 30	1 1/2" x 18T.P.I	102mm	M12	001 - 205	0.5kg	£30.85	£35.48
ISO 40	1 1/2" x 18T.P.I	135mm	M16	001 - 206	1kg	£41.00	£47.15
ISO 50	1 1/2" x 18T.P.I	168mm	M24	001 - 207	3kg	£51.45	£59.17



BORING TOOLS



Size	Nos: of Pieces	Stock Code	Weight	Price ex vat	Price inc vat
3/8"	9	001 - 341	0.5kg	£17.53	£20.16
1/2"	9	001 - 342	0.5kg	£21.06	£24.22
5/8"	12	001 - 343	1kg	£49.97	£57.47
3/4"	12	001 - 344	2.5kg	£78.01	£89.71
1"	7	001 - 345	5kgs	£101.69	£116.94

BORING BARS & HOLDERS



Dia of Bar	Length	Size for Toolbit (square)	Stock Code	Weight	Price ex vat	Price inc vat
3/8"	4"	1/8"	001 - 370	0.25kg	£1.66	£1.91
3/8"	6"	1/8"	001 - 371	0.25kg	£1.66	£1.91
1/2"	9"	3/16"	001 - 372	0.25kg	£3.09	£3.55
3/4"	12"	1/4"	001 - 373	0.5kg	£9.89	£11.37
1"	12"	5/16"	001 - 374	1kg	£14.42	£16.58

BORING BAR HOLDERS

Dia: of Bar	External Section	Stock Code	Weight	Price ex vat	Price inc vat
3/8"	1/2"	001 - 391	0.25kg	£2.68	£3.08
1/2"	5/8"	001 - 392	0.5kg	£4.33	£4.98
3/4"	1"	001 - 393	0.5kg	£7.73	£8.89

5C COLLETS



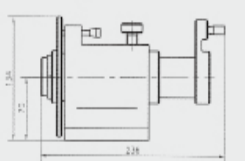
Metric Size	Stock Code	Weight	Price ex vat	Price incvat
3mm	068 - 103	0.25kg	£5.91	£6.80
4mm	068 - 104	0.25kg	£5.91	£6.80
5mm	068 - 105	0.25kg	£5.91	£6.80
6mm	068 - 106	0.25kg	£5.91	£6.80
7mm	068 - 107	0.25kg	£5.91	£6.80
8mm	068 - 108	0.25kg	£5.91	£6.80
9mm	068 - 109	0.25kg	£5.91	£6.80
10mm	068 - 110	0.25kg	£5.91	£6.80
11mm	068 - 111	0.25kg	£5.91	£6.80
12mm	068 - 112	0.25kg	£5.91	£6.80
13mm	068 - 113	0.25kg	£5.91	£6.80
14mm	068 - 114	0.25kg	£5.91	£6.80
15mm	068 - 115	0.25kg	£5.91	£6.80
16mm	068 - 116	0.25kg	£5.91	£6.80
17mm	068 - 117	0.25kg	£5.91	£6.80
18mm	068 - 118	0.25kg	£5.91	£6.80
19mm	068 - 119	0.25kg	£5.91	£6.80
20mm	068 - 120	0.25kg	£5.91	£6.80
21mm	068 - 121	0.25kg	£5.91	£6.80
22mm	068 - 122	0.25kg	£5.91	£6.80
23mm	068 - 123	0.25kg	£5.91	£6.80
24mm	068 - 124	0.25kg	£5.91	£6.80
25mm	068 - 125	0.25kg	£5.91	£6.80

Imperial Size	Stock Code	Weight	Price ex vat	Price inc vat
1/8"	068 - 202	0.25kg	£5.91	£6.80
3/16"	068 - 203a	0.25kg	£5.91	£6.80
1/4"	068 - 204	0.25kg	£5.91	£6.80
5/16"	068 - 205	0.25kg	£5.91	£6.80
3/8"	068 - 206	0.25kg	£5.91	£6.80
7/16"	068 - 207	0.25kg	£5.91	£6.80
1/2"	068 - 208	0.25kg	£5.91	£6.80
9/16"	068 - 209	0.25kg	£5.91	£6.80
5/8"	068 - 210	0.25kg	£5.91	£6.80
11/16"	068 - 211	0.25kg	£5.91	£6.80
3/4"	068 - 212	0.25kg	£5.91	£6.80
13/16"	068 - 213	0.25kg	£5.91	£6.80
7/8"	068 - 214	0.25kg	£5.91	£6.80
15/16"	068 - 215	0.25kg	£5.91	£6.80
1"	068 - 216	0.25kg	£5.91	£6.80



5CEMERGENCYCOLLETS

	Stock Code	Weight	Price ex vat	Price inc vat
Steel	068 - 001	0.25kg	£10.25	£11.79
Brass	068 - 002	0.25kg	£14.40	£16.56
Nylon	068 - 003	0.01kg	£10.25	£11.79



5C SPIN INDEXING UNIT

Stock Code	Weight	Price ex vat	Price inc vat
068 - 308	6.5kg	£82.40	£94.76



5C COLLET BLOCK SET

Stock Code	Weight	Price ex vat	Price inc vat
068 - 309	1.5kg	£43.43	£49.94



5C COLLET STOP

Stock Code	Weight	Price ex vat	Price inc vat
068 - 020	0.25kg	£6.70	£7.71



5C EXPANDING COLLETS

	Stock Code	Weight	Price ex vat	Price inc vat
Set of 4 Pieces 1/4" to 1 7/8"	068 - 031	3kg	£40.00	£46.00



5CSTEPCOLLETS

Size	Stock Code	Weight	Price ex vat	Price inc vat
50mm	068 - 005	0.5kg	£12.00	£13.80
75mm	068 - 006	1kg	£16.00	£18.40
100mm	068 - 007	2.5kg	£26.00	£29.90
125mm	068 - 008	3kg	£34.00	£39.10
150mm	068 - 009	4.5kg	£40.00	£46.00

5C H/V FIXTURE



Stock Code	Weight	Price ex vat	Price inc vat
068 - 303	5kg	£38.54	£44.32

5C PRECISION INDEXER

Stock Code	Weight	Price ex vat	Price inc vat
068 - 310	13kg	£174.50	£200.68



REDUCING SLEEVES



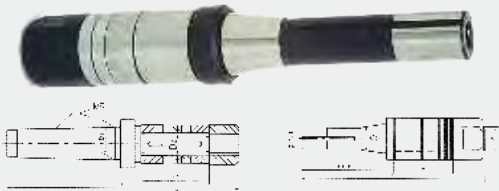
Outside Taper	Inside Taper	Fitting	Stock Code	Weight	Price ex vat	Price inc vat
MT2	MT1	open	013-100	0.1kg	£2.99	£3.43
MT2	MT1	tang	013-101	0.1kg	£2.20	£2.53
MT3	MT1	tang	013-102	0.2kg	£2.20	£2.53
MT3	MT2	tang	013-103	0.1kg	£2.20	£2.53
MT3	MT2	open	013-104	0.1kg	£4.61	£5.31
MT4	MT2	tang	013-105	0.5kg	£7.15	£8.22
MT4	MT3	tang	013-106	0.5kg	£8.20	£9.43
MT4	MT3	open	013-107	0.3kg	£10.25	£11.79
MT5	MT2	tang	013-108	1.4kg	£12.30	£14.15
MT5	MT3	tang	013-109	1.3kg	£12.30	£14.15
MT5	MT3	open	013-110	1.3kg	£20.60	£23.69
MT5	MT4	tang	013-111	0.9kg	£12.30	£14.15
MT5	MT4	open	013-112	0.9kg	£20.60	£23.69
MT6	MT3	open	013-113	3.5kg	£30.84	£35.47
MT6	MT4	open	013-114	3.1kg	£41.15	£47.32
R8	MT1	7/16" UNF	013-116	0.4kg	£11.85	£13.63
R8	MT2	7/16" UNF	013-117	0.4kg	£12.40	£14.26
R8	MT3	7/16" UNF	013-118	0.4kg	£12.90	£14.84
ISO 30	MT1	M12	013-128	0.8kg	£30.90	£35.54
ISO 30	MT2	M12	013-119	0.8kg	£30.90	£35.54
ISO 30	MT3	M12	013-120	0.8kg	£30.90	£35.54
ISO 40	MT1	M16	013-130	0.8kg	£41.20	£47.38
ISO 40	MT2	M16	013-121	0.8kg	£41.20	£47.38
ISO 40	MT3	M16	013-122	0.8kg	£41.20	£47.38
ISO 40	R8	M16	013-127	0.8kg	£41.20	£47.38
ISO 50	MT1	M24	013-131	3kg	£59.75	£68.71
ISO 50	MT2	M24	013-123	2.9kg	£5.75	£6.61
ISO 50	MT3	M24	013-124	2.5kg	£59.75	£68.71
ISO 50	MT4	M24	013-125	2.5kg	£59.75	£68.71
ISO 50	MT5	M24	013-126	3.2kg	£59.75	£68.71
ISO 50	R8	M24	013-129	3kg	£59.75	£68.71

STEP UP SLEEVES



Outside Taper	Inside Taper	Fitting	Stock Code	Length	Diameter	Weight	Price ex vat	Price inc vat
MT1	MT2	tang	013-143	160mm	30mm	0.5kg	£9.89	£11.37
MT2	MT3	tang	013-140	196mm	30mm	0.6kg	£12.99	£14.94
MT3	MT4	tang	013-141	240mm	48mm	1.5kg	£22.40	£25.76
MT4	MT5	tang	013-142	300mm	63mm	3.1kg	£38.63	£44.42

STUB MILLING ARBORS



Shank	Diameter	Tapping	D1	D2	L	L1	Weight	Stock Code	Price ex vat	Price inc vat
MT2	22mm	M10	17.78mm	22mm	171mm	63mm	0.5kg	060-101	£36.00	£41.40
MT3	22mm	M12	17.78mm	22mm	206mm	63mm	0.6kg	060-102	£36.00	£41.40
R8	22mm	7/16"	22mm		206mm	63mm	0.7kg	060-103	£36.00	£41.40
MT2	1"	M10	23.82mm	25.4mm	157mm	50.8mm	0.5kg	060-104	£36.00	£41.40
MT3	1"	M12	23.82mm	25.4mm	175mm	50.8mm	0.6kg	060-105	£36.00	£41.40
R8	1"	7/16"	25.4mm		192mm	50.8mm	1kg	060-106	£36.00	£41.40
R8	11/4"	7/16"	13.75mm		196mm	50.8mm	1kg	060-107	£36.00	£41.40

COMBINATION SHELL END MILL ARBORS



Spindle Taper	Tapping	Diameter	Stock Code	Weight	Price ex vat	Price inc vat
MT3	M12	1"	044 - 013	1kg	£50.21	£57.75
MT3	M10	22mm	044 - 016	1kg	£50.21	£57.75
R8	7/16"	1"	044 - 023	1kg	£41.20	£47.38
R8	7/16"	22mm	044 - 026	1kg	£41.20	£47.38
R8	7/16"	27mm	044 - 027	1kg	£41.20	£47.38
ISO30	M12	1"	044 - 033	1.5kg	£48.50	£55.78
ISO30	M12	22mm	044 - 036	1.5kg	£48.50	£55.78
ISO30	M12	27mm	044 - 037	1.5kg	£48.50	£55.78
ISO40	M16	1"	044 - 043	2kg	£57.70	£66.36
ISO40	M16	22mm	044 - 046	2kg	£57.70	£66.36
ISO40	M16	27mm	044 - 047	2kg	£57.70	£66.36
ISO50	M24	1"	044 - 053	4kg	£77.25	£88.84
ISO50	M24	22mm	044 - 056	4kg	£77.25	£88.84
ISO50	M24	27mm	044 - 057	4kg	£77.25	£88.84

LONG MILLING ARBORS



Spindle Taper	Length	Diameter	Weight	Stock Code	Price ex vat	Price inc vat
ISO 30	315mm	1"	4kg	060 - 203	£157.70	£181.36
ISO 40	315mm	1"	5kg	060 - 204	£169.95	£195.44
ISO 40	400mm	1"	5kg	060 - 205	£180.25	£207.29
ISO 40	500mm	1"	7kg	060 - 206	£192.95	£221.89

SHELL END MILL ARBORS

Spindle Taper	Tapping	Diameter	Stock Code	Weight	Price ex vat	Price inc vat
R8	7/16" unf	1"	044 - 004	1kg	£35.02	£40.27
MT3	M12	1"	044 - 003	1kg	£35.02	£40.27



AUTO REVERSE TAPPING HEAD



Model	Capacity	Torque Setting	Arbors Supplied as Standard	Weight	Stock Code	Price ex vat	Price inc vat
Tap 7	M2 - M7	4	MT2 - MT3	1.5kg	002 - 101	£183.00	£210.45
Tap 12	M5 - M12	4	MT3 - MT4	3kg	002 - 102	£219.00	£251.85
Tap 20	M8 - M20	4	MT3 - MT4	6kg	002 - 103	£386.25	£444.19
Spare Collet	M2			0.1kg	002 - 104	£30.85	£35.48
Spare Collet	M7			0.1kg	002 - 105	£30.85	£35.48
Spare Collet	M5			0.1kg	002 - 106	£30.85	£35.48
Spare Collet	M12			0.1kg	002 - 107	£30.85	£35.48
Spare Collet	M8			0.1kg	002 - 108	£30.85	£35.48
Spare Collet	M20			0.1kg	002 - 109	£30.85	£35.48

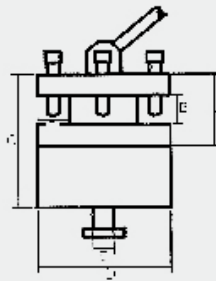
TOOLPOSTS



MODEL 1B



MODEL 1A

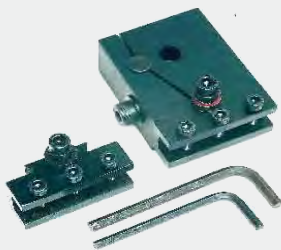


	A	B	C	D	E	F	Clamping Screws	Weight	Stock Code	Price Ex vat	Price Inc vat
Model 1a	40mm	16.1mm	74mm	65mm	9.5mm	16.2mm	M8	2.0 kg	009-100	£24.72	£28.43
Model 1b	40mm	16.1mm	74mm	65 mm	9.5mm	16.2mm	M8	6.5 kg	009-101	£32.94	£37.88

TOOLPOST WRENCHES

Size	Stock Code	Weight	Price ex vat	Price inc vat
8mm	009-501	0.5 kg	£3.61	£4.15
10mm	009-502	0.5 kg	£3.61	£4.15
12mm	009-503	0.5 kg	£4.64	£5.34

QUICK CHANGE TOOLPOST - SMALL



	Stock Code	Weight	Price ex vat	Price inc vat
Toolpost and 2 holders	009-001	1.0 kg	£30.64	£35.24
Spare Holders	009-002	0.25kg	£8.76	£10.07

Dimensions of Toolpost:- 57mm x 57mm x 32mm.
The toolholders have a capacity of 10mm

These Toolposts are suitable for 3½"-5" centre height lathes such as; 920, DB7VS, DB8VS.

QUICK CHANGE TOOLPOSTS

Model	Size A	Size B	Size C	Size D	Stock Code	Weight	Price ex vat	Price inc vat
Piston T-1	63.5mm	94.45mm	57.15mm	14.29mm	009 - 250-100	2kg	£59.75	£68.71
Dovetail T-2	76.2mm	117.46mm	69.85mm	15.88mm	009 - 250-222	4kg	£119.50	£137.43
Dovetail T-3	82.55mm	130.18mm	76.2mm	19.05mm	009 - 250-333	6kg	£163.75	£188.31
Dovetail T-4	123.85mm	158.75mm	92.06mm	22.26mm	009 - 250-444	8kg	£229.75	£264.21

TOOLPOST SETS

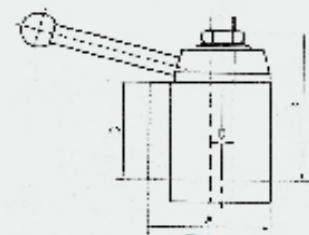
T-1 Piston Toolpost and 5 Holders:- Square, Vee, Knurling, Parting & Boring.
Stock Code 009-250100+5H Price £109.57 ex vat £128.75 inc vat

T-2 Piston Toolpost and 5 Holders:- Square, Vee, Knurling, Parting & Boring.
Stock Code 009-250222+5H Price £131.49 ex vat £154.50 inc vat

T-1 Toolpost to suit lathes:-
DB10G, DBG10VS, DBG11VS, MODEL B, Centurion.

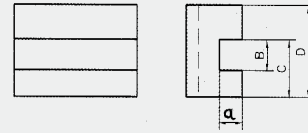
T-2 Toolpost to suit lathes:-
Craftsman, Crusader, Coventry, CUB.

All Toolposts will require some machining by the customer to fit the individual lathe.
Toolposts bought when purchasing a lathe can be fitted prior to despatch..



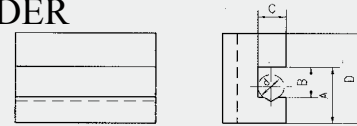
QUICK CHANGE TOOLHOLDERS

SQUARE TURNING AND FACING HOLDER



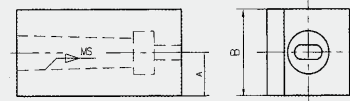
A	B	C	D	Tool Bit Range	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price ex-vat	Price inc vat
11.8mm	17.70mm	25.40mm	38.10mm	4.76-12.7	12mm	T-1	009-250-101	0.5 kg	£14.50	£16.68
12.7mm	15.88mm	27.78mm	44.45mm	6.3-15.9	16.5mm	T-2	009-250-201	0.5 kg	£15.25	£17.54
15.88mm	19.05mm	38.89mm	53.98mm	12.7-19.05	19.5mm	T-3	009-250-301	1.5 kg	£25.70	£29.56
19.05mm	25.40mm	43.66mm	63.50mm	12.7-25.4	26mm	T-4	009-250-401	1.5 kg	£31.90	£36.69

VEE TURNING BORING AND FACING HOLDER HOLDER



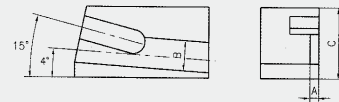
A	B	C	D	Tool Bit Range	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price ex-vat	Price inc vat
11.8mm	17.70mm	25.40mm	38.10mm	4.76-12.7	12mm	T-1	009-250-102	0.5 kg	£16.43	£18.89
12.7mm	15.88mm	27.78mm	44.45mm	6.3-15.9	16.5mm	T-2	009-250-202	0.5 kg	£16.95	£19.49
15.88mm	19.05mm	38.89mm	53.98mm	12.7-19.05	19.5mm	T-3	009-250-302	1.5 kg	£26.75	£30.76
19.05mm	25.40mm	43.66mm	63.50mm	12.7-25.4	26mm	T-4	009-250-402	1.5 kg	£33.50	£38.53

HEAVY DUTY BORING BAR HOLDER



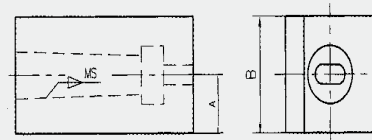
A	B	C	D	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price inc vat	Price ex vat
19.05mm	38.1mm	15.88mm	19.05mm	19.05mm	T-1	009-250-141	1.0 kg	£21.10	£24.27
25.4mm	50.8mm	19.05mm	25.4mm	25.4mm	T-2	009-250-241	3.0 kg	£29.75	£34.21
25.4mm	50.8mm	25.4mm	31.7mm	25.4mm	T-3	009-250-341	3.0 kg	£34.75	£39.96
28.4mm	57.2mm	25.4mm	31.7mm	31.7mm	T-4	009-250-441	4.5 kg	£43.90	£50.49

UNIVERSAL PARTING BLADE HOLDER



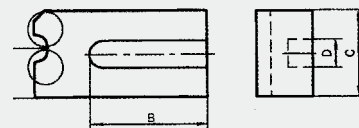
A	B	C	Blade Height	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price ex vat	Price inc vat
4.76mm	12.7mm	38.1mm	12.7mm	14mm	T-1	009-250-107	0.5 kg	£22.40	£25.76
4.76mm	26.99mm	44.45mm	26.99mm	18.5mm	T-2	009-250-207	0.5 kg	£24.00	£27.60
4.76mm	19.05mm	50.8mm	19.05mm	19.5mm	T-3	009-250-307	1.5 kg	£35.90	£41.29
6.3mm	22.23mm	63.5mm	22.23mm	24mm	T-4	009-250-407	2.0 kg	£41.50	£47.73

MORSE TAPER HOLDER FOR DRILLING



A	B	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price ex vat	Price inc vat
19.05mm	38.1mm	MT3	T-1	009-250-153	1.0 kg	£31.40	£36.11
22.23mm	44.45mm	MT3	T-2	009-250-253	1.0 kg	£33.00	£37.95
26.99mm	53.98mm	MT4	T-3	009-250-353	2.5 kg	£35.30	£40.60
31.7mm	63.5mm	MT4	T-4	009-250-453	2.5 kg	£41.50	£47.73

KNURLING TOOL



A	B	C	D	Maximum Tool Size	To Fit Toolpost	Stock Code	Weight	Price ex vat	Price inc vat
22.23mm	63.5mm	39.69mm	12.7mm	n/a	T-1	009-250-110	0.5 kg	£26.50	£30.48
25.4mm	41.28mm	44.45mm	15.9mm	n/a	T-2	009-250-210	0.5 kg	£29.00	£33.35
20.64mm	79.38mm	50.8mm	19.05mm	n/a	T-3	009-250-310	1.5 kg	£43.90	£50.49
39.08mm	95.25mm	63.5mm	25.4mm	n/a	T-4	009-250-410	2.0 kg	£45.75	£52.61



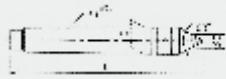
CENTRES

STEELCENTRES60°



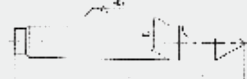
Taper	Stock Code	Weight	Price ex vat	Price inc vat
MT1	014 - 101	0.25kg	£2.17	£2.50
MT2	014 - 102	0.25kg	£2.44	£2.81
MT3	014 - 103	0.5kg	£4.65	£5.35
MT4	014 - 104	1kg	£7.25	£8.34
MT5	014 - 105	2.5kg	£12.50	£14.38
MT6	014 - 106	6.5kg	£31.00	£35.65

CARBIDECENTRES60°



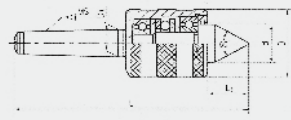
Taper	Stock Code	Weight	Price ex vat	Price inc vat
MT1	014 - 201	0.25kg	£9.25	£10.64
MT2	014 - 202	0.25kg	£10.25	£11.79
MT3	014 - 203	0.5kg	£14.50	£16.68
MT4	014 - 204	1kg	£20.50	£23.58
MT5	014 - 205	2.5kg	£37.00	£42.55
MT6	014 - 206	6.5kg	£57.75	£66.41

NOTCHEDCENTRES60°



Taper	Stock Code	Weight	Price ex vat	Price inc vat
MT1	014-111	0.25kg	£2.75	£3.16
MT2	014-112	0.5kg	£3.53	£4.06
MT3	014-113	1.5kg	£6.00	£6.90
MT4	014-114	2kg	£10.80	£12.42
MT5	014-115	3kg	£18.50	£21.28

ECONOMYLIVECENTRES60°



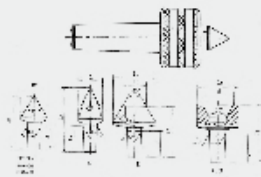
Model	Stock Code	Weight	Price ex-vat	Price inc vat
MT2	055-123	0.5kgs	£17.64	£20.29
MT3	055-124	1.0kgs	£20.00	£23.00

PRECISION LIVE CENTRES 60° (3-BEARING)



Model	Precision	Stock Code	Weight	Price ex vat	Price inc vat
MT1	0.08	055 - 101	0.5kg	£22.75	£26.16
MT2	0.08	055 - 102	0.5kg	£27.80	£31.97
MT3	0.08	055 - 103	1kg	£33.00	£37.95
MT4	0.08	055 - 104	3.5kg	£39.00	£44.85
MT5	0.01	055 - 105	3.5kg	£50.00	£57.50
MT6	0.01	055 - 106	14.5kg	£101.00	£116.15

MULTI HEAD LIVE CENTRES



Shank	Stock Code	Weight	Price ex vat	Price inc vat
MT2	055 - 132	1.5kg	£79.26	£91.15
MT3	055 - 133	2kg	£84.14	£96.76
MT4	055 - 134	4kg	£101.97	£117.27
MT5	055 - 135	4.5kg	£149.35	£171.75

BLANK 'SOFT' ARBORS



Taper	Diameter Of Stub	Fitting	Weight	Stock Code	Price ex vat	Price inc vat
MT2	1"	Tang	0.35 kg	063-002	£4.25	£4.89
MT3	1"	Tang	0.35 kg	063-003	£4.81	£5.53
MT2	1"	3/8" BSW	0.35 kg	063-004	£4.25	£4.89
MT3	1"	3/8" BSW	0.35 kg	063-005	£4.81	£5.53

EXPANDINGMANDRELS



Model	No. of Expanding Sleeves	Diameter	Length of Sleeves	Overall Length	Weight	Stock Code	Price ex vat	Price inc vat
No.1	1	1/2" to 9/16"	2 1/2"	5"	0.25kg	056 - 101	£33.00	£37.95
No.2	1	9/16" to 21/32"	2 3/4"	6"	0.25kg	056 - 102	£37.00	£42.55
No.3	1	21/32" to 3/4"	3 1/4"	7"	0.25kg	056 - 103	£40.17	£46.20
No.4	1	3/4" to 7/8"	3 1/4"	7"	0.5kg	056 - 104	£45.30	£52.10
No.5	1	7/8" to 1"	3 1/2"	7"	0.5kg	056 - 105	£48.40	£55.66
No.6	2	1" to 1 1/4"	4"	9"	1kg	056 - 106	£85.80	£98.67
No.7	2	1 1/4" to 1 1/2"	4"	9"	1.5kg	056 - 107	£91.70	£105.46
No.8	2	1 1/2" to 2"	5"	11 1/2"	3kg	056 - 108	£105.00	£120.75
No.9	2	2" to 2 3/4"	6"	14"	6.5kg	056 - 109	£148.30	£170.55
No.10	2	2 3/4" to 3 3/4"	7"	17"	8kg	056 - 110	£192.61	£221.50

CHUCKS

3-JAW SELF CENTERING MONO-BLOCK JAW CHUCKS



All chucks are fully ground and work to a permissible error of 0.064mm at 50mm from chuck jaws.
Each chuck comes with 1 set internal and 1 set external jaws and chuck key.

PLAINBACKFITTING

Size MM	Weight	Stock Code	Price ex vat	Price inc vat
80	2kg	010-101	£55.71	£64.07
100	3.5kg	010-102	£60.00	£69.00
125	5kg	010-103	£64.29	£73.93
160	9kg	010-104	£96.43	£110.89
200	16.5kg	010-105	£146.25	£168.19
250	27kg	010-106	£192.50	£221.38

3-JAW SELF CENTERING 2 PIECE JAW CHUCKS



PLAINBACKFITTING

Size mm	Weight	Stock Code	Price ex vat	Price inc vat
160	8kg	010-124	£118.30	£136.05
200	16kg	010-125	£146.25	£168.19
250	33kg	010-129	£192.75	£221.66
315	57kg	010-130	£261.43	£300.64
380	62kg	010-127	£357.86	£411.54
500	140kg	010-128	£842.14	£968.46

CAMLOCK FITTING

Size mm	Weight	Camlock	Stock Code	Price ex vat	Price inc vat
160	8kg	D1-4	010-311	£145.00	£166.75
160	8kg	D1-5	010-314	£148.00	£170.20
200	16kg	D1-4	010-317	£186.43	£214.39
200	20kg	D1-5	010-320	£186.43	£214.39
200	20kg	D1-6	010-323	£186.43	£214.39
250	33kg	D1-6	010-326	£231.43	£266.14
250	33kg	D1-8	010-329	£231.43	£266.14
325	57kg	D1-6	010-332	£351.43	£404.14
325	57kg	D1-8	010-335	£351.43	£404.14
380	87kg	D1-8	010-338	£484.29	£556.93

Each chuck is supplied with 1 set reversible jaws and chuck key.

4-JAW SELF CENTERING CHUCKS



PLAINBACKFITTING

Size MM	Weight	Stock Code	Price ex vat	Price inc vat
130	9kg	011-201	£107.14	£123.21
160	9kg	011-202	£148.00	£170.20
250	33kg	011-216	£232.75	£267.66
325	55kg	011-217	£366.43	£421.39
380	80kg	011-218	£531.43	£611.14

Each chuck is supplied with 2 sets of jaws and chuck key.

4-JAW INDEPENDENT CHUCKS



PLAINBACK FITTING

Size mm	Weight	Stock Code	Price ex vat	Price inc vat
80	2kg	011-101	£50.36	£57.91
100	4kg	011-102	£55.71	£64.07
125	5kg	011-103	£57.86	£66.54
160	10kg	011-104	£113.00	£129.95
200	16kg	011-105	£139.00	£159.85
250	24kg	011-106	£170.00	£195.50
320	41kg	011-108	£225.00	£258.75
400	65kg	011-109	£272.14	£312.96
500	116kg	011-110	£428.57	£492.86

CAMLOCK FITTING

Size mm	Weight	Camlock	Stock Code	Price ex vat	Price inc vat
160	8kg	D1-4	011-004	£134.00	£154.10
160	8kg	D1-5	011-005	£134.00	£154.10
200	16kg	D1-4	011-006	£157.00	£180.55
200	16kg	D1-5	011-007	£157.00	£180.55
200	16kg	D1-6	011-008	£157.00	£180.55
250	24kg	D1-6	011-009	£204.00	£234.60
250	24kg	D1-5	011-010	£204.00	£234.60
320	41kg	D1-6	011-011	£278.00	£319.70
320	41kg	D1-8	011-012	£278.00	£319.70
400	65kg	D1-8	011-013	£385.00	£442.75
500	120kg	D1-8	011-014	£600.00	£690.00

All 4-Jaw chucks are made from cast iron with a fully ground finish. Each chuck is supplied with reversible jaws and chuck key.

SMALL SCROLL CHUCKS



PLAINBACK FITTING

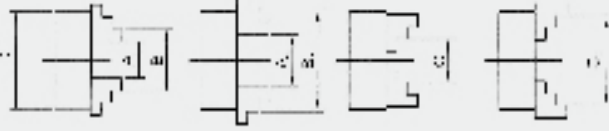
Dia.	Recess for Spindle	PCD of Chuck Screws	Weight	Stock Code	Price ex vat	Price inc vat
63	22	28	0.5kg	010-001	£33.25	£38.24
80	22	28	1kg	010-002	£61.54	£70.77
100	22	28	2kg	010-003	£76.22	£87.65

THREADED FITTING

Dia.	Weight	Stock Code	Price ex vat	Price inc vat
63	0.5kg	010-011	£47.14	£54.21
80	1kg	010-012	£61.54	£70.77
100	2kg	010-013	£76.22	£87.65

Each Chuck is Supplied with One Set of Reversible Jaws

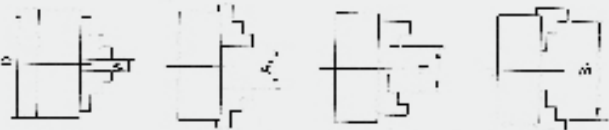
3-JAW SELF CENTRING CHUCK (MONO-BLOCK & 2-PIECE JAW CHUCKS) INSTALLATION DIMENSIONS CLAMPING RANGE



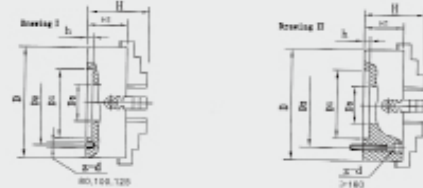
SIZE D	Internal Jaw		External Jaw
	A-A ₁	B-B ₁	C-C ₁
80mm	2-22mm	25-70mm	22-63mm
100mm	2-30mm	30-90mm	30-80mm
125mm	2.5-40mm	40-125mm	40-110mm
160mm	3-55mm	50-160mm	55-145mm
200mm	4-85mm	65-200mm	65-200mm
250mm	6-110mm	80-250mm	90-250mm
315mm	10-140mm	95-315mm	100-315mm
320mm	11.5-145mm	95-320mm	110-320mm
325mm	11.5-165mm	95-350mm	110-340mm
380mm	11.5-210mm	95-400mm	110-400mm
400mm	15-210mm	120-400mm	120-400mm
500mm	25-280mm	150-500mm	150-500mm

SIZE D	D1	D2	D3	H1	H	Z-d	H
80mm	55mm	66mm	16mm	50mm	4mm	3-M6	66.5mm
100mm	72mm	84mm	22mm	55mm	3mm	3-M8	74.5mm
125mm	95mm	108mm	30mm	58mm	4mm	3-M8	84.5mm
160mm	130mm	142mm	45mm	65mm	5mm	3-M8	94mm
200mm	165mm	180mm	65mm	75mm	6mm	3-M10	109mm
250mm	206mm	226mm	80mm	80mm	6mm	3-M12	120mm
315mm	260mm	285mm	100mm	90mm	6mm	3-M16	147.5mm
320mm	270mm	290mm	100mm	90mm	6mm	3-M16	147.5mm
325mm	272mm	296mm	100mm	90mm	6mm	3-M16	147.5mm
380mm	325mm	350mm	135mm	98mm	6mm	3-M16	155.5mm
400mm	340mm	368mm	130mm	100mm	6mm	3-M16	172mm
500mm	440mm	465mm	210mm	115mm	6mm	6-M16	202mm

4-JAW INDEPENDENT CHUCK CLAMPING RANGE



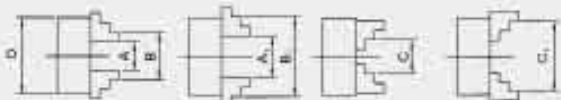
INSTALLATION DIMENSIONS



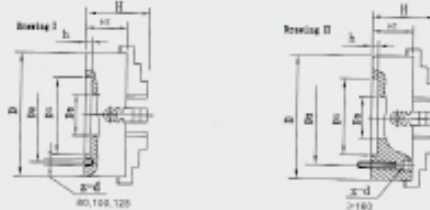
SIZE D	Internal Jaw	External Jaw
	A-A ₁	B-B ₁
80mm	5-35mm	35-80mm
100mm	6-45mm	40-100mm
125mm	7-57mm	48-125mm
160mm	8-80mm	50-160mm
200mm	10-100mm	63-200mm
250mm	15-130mm	80-250mm
300mm	20-156mm	100-300mm
320mm	20-170mm	100-315mm
350mm	20-206mm	100-350mm
400mm	25-250mm	118-400mm
500mm	35-300mm	125-500mm
630mm	50-400mm	160-630mm
800mm	70-540mm	200-800mm
1000mm	100-680mm	250-1000mm

SIZE D	D1	D2	D3	H1	h	Z-d	H
80mm	55mm	66mm	22mm	42mm	3.5mm	4-M6	56mm
100mm	72mm	84mm	25mm	54mm	3.5mm	4-M8	73mm
125mm	95mm	108mm	30mm	56mm	4.5mm	4-M8	78mm
160mm	130mm	142mm	40mm	65mm	5mm	4-M10	96.5mm
200mm	125mm	104.8mm	50mm	75mm	6mm	4-M12	110mm
250mm	100mm	120mm	65mm	82mm	6mm	4-M12	117.5mm
300mm	152mm	130mm	75mm	85mm	6mm	4-M12	128.5mm
320mm	140mm	165mm	95mm	90mm	6mm	4-M16	134mm
350mm	130mm	168mm	80mm	95mm	8mm	4-M16	145mm
400mm	160mm	185mm	125mm	95mm	8mm	4-M16	143mm
450mm	180mm	205mm	140mm	100mm	8mm	4-M16	147mm
500mm	200mm	236mm	160mm	106mm	8mm	4-M20	161mm
630mm	220mm	258mm	180mm	115mm	10mm	4-M20	180mm
800mm	250mm	300mm	210mm	135mm	12mm	8-M20	210mm
1000mm	320mm	370mm	260mm	150mm	15mm	8-M20	250mm

4-JAW SELF CENTRING CHUCK CLAMPING RANGE



INSTALLATION DIMENSIONS



SIZE D	Internal Jaw		External Jaw
	A-A ₁	B-B ₁	C-C ₁
80mm	2-22mm	25-70mm	22-63mm
100mm	2-30mm	30-90mm	30-80mm
125mm	2.5-40mm	40-125mm	40-110mm
130mm	3-40mm	40-130mm	40-120mm
160mm	3-55mm	50-160mm	55-145mm
200mm	4-85mm	65-200mm	65-200mm
250mm	6-110mm	80-250mm	90-250mm
315mm	10-140mm	95-315mm	100-315mm
325mm	11.5-165mm	95-350mm	110-340mm
380mm	11.5-210mm	95-400mm	110-400mm
400mm	15-210mm	120-400mm	120-400mm
500mm	25-280mm	150-500mm	150-500mm

SIZE D	D1	D2	D3	H1	h	Z-d	H
80mm	55mm	66mm	16mm	50mm	4mm	3-M6	66.5mm
100mm	72mm	84mm	22mm	55mm	3mm	3-M8	74.5mm
125mm	95mm	108mm	30mm	58mm	4mm	3-M8	84.5mm
130mm	100mm	115mm	30mm	60mm	4mm	3-M8	86.5mm
160mm	130mm	142mm	45mm	65mm	5mm	3-M8	94mm
200mm	165mm	180mm	65mm	75mm	6mm	3-M10	109mm
250mm	206mm	226mm	80mm	80mm	6mm	3-M12	120mm
315mm	260mm	285mm	100mm	90mm	6mm	3-M16	147.5mm
325mm	272mm	296mm	100mm	90mm	6mm	3-M16	147.5mm
380mm	325mm	350mm	135mm	98mm	6mm	3-M16	155.5mm
400mm	340mm	368mm	130mm	100mm	6mm	3-M16	172mm
500mm	440mm	465mm	210mm	115mm	6mm	6-M16	202mm

BACKPLATES AND CHUCK JAWS

THREADED BACKPLATES



Plate Dia.	Spindle Thread	Chuck Spigot	No. of Mounting Screws	PCD of Mounting Screws	Weight	Price ex vat	Price inc vat	Stock Code	Applications
100	40mm x 4mm	72	3	85	1kg	£29.05	£33.41	012-121	920 Lathe 100mm 3 Jaw
100	40mm x 4mm	72	4	85	1kg	£29.05	£33.41	012-122	920 Lathe 100mm 4 Jaw
125	40mm x 4mm		3		1kg	£33.83	£38.90	012-110	920 Lathe 125mm 3 Jaw
125	40mm x 4mm		4		1kg	£33.83	£38.90	012-110	920 Lathe 125mm 4 Jaw
125	40mm x 4mm		UNDRILLED		1kg	£30.25	£34.79	012-114	920 Lathe 125mm Undrilled
160	2 1/4" x 8Tpi	130	3	142	3.5kg	£72.55	£83.43	012-123	Craftsman 160mm 3 Jaw
160	2 1/4" x 8Tpi	130	4	142	3.5kg	£72.55	£83.43	012-124	Craftsman 160mm 4 Jaw
200	2 1/4" x 8Tpi	165	3	180	5kg	£84.64	£97.34	012-125	Craftsman 200mm 3 Jaw
200	2 1/4" x 8Tpi	165	4	180	5kg	£84.64	£97.34	012-126	Craftsman 200mm 4 Jaw

CAMLOCK BACKPLATES

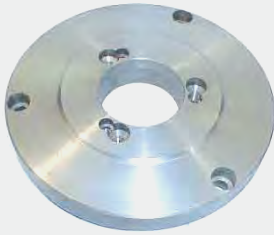


Plate Dia.	Camlock	No. of Mounting Screws	Weight	Price Ex vat	Price inc vat	Stock Code
200	D1-4	3	7kg	£76.07	£87.48	012-141
200	D1-4	4	7kg	£76.07	£87.48	012-142
200	D1-6	3	7kg	£76.07	£87.48	012-147
200	D1-6	4	7kg	£76.07	£87.48	012-148
250	D1-6	3	9kg	£94.29	£108.43	012-153
250	D1-6	4	9kg	£94.29	£108.43	012-154
325	D1-6	3	20kg	£117.86	£135.54	012-160
320	D1-6	4	16kg	£117.86	£135.54	012-161
325	D1-8	3	20kg	£117.86	£135.54	012-167
320	D1-8	4	16kg	£117.86	£135.54	012-168

LATHE CHUCK ADAPTOR PLATES (SEMI-MACHINED BACKPLATES)



Plate Dia.	Recess for Spindle	No. of Spindle Screws	PCD of Spindle Screws	Chuck Spigot	No. of Chuck Mounting Screws	PCD of Chuck Screws	Weight	Price ex vat	Price inc vat	Stock Code	Applications
80	55	3	63	55	4	85	0.5kg	£21.70	£24.96	012-100	Conquest 80mm 4-Jaw
100	55	3	63	72	3	85	1kg	£22.93	£26.37	012-102	Conquest 100mm 3-Jaw
100	55	3	63	72	4	85	1kg	£22.93	£26.37	012-101	Conquest 100mm 4-Jaw
100	72	3	84	72	4	85	1kg	£22.93	£26.37	012-103	Model B, 100mm 4-Jaw
125	72	3	84	95	3	108	1kg	£25.42	£29.23	012-104	Model B, 125mm 3-Jaw
125	72	3	84	95	4	108	1kg	£25.42	£29.23	012-106	Model B, 125mm 4-Jaw
160	72	3	84	130	3	142	2.5kg	£27.84	£32.02	012-105	Model B, 160mm 3-Jaw
160	72	3	84	130	4	142	2.5kg	£27.84	£32.02	012-107	Model B, 160mm 4-Jaw
125	100	3		95	4	108	1.5kg	£25.42	£29.23	012-108	Centurion 125mm 4-Jaw
160	100	3		130	3	142	2.5kg	£27.84	£32.02	012-109	Centurion 160mm 4-Jaw
125		3		95	3	108	1.5kg	£25.42	£29.23	012-113	Comet 125mm 4-Jaw

SOFT JAWS - 2 PIECE JAW CHUCKS



Size	Stock Code	Weight	Price ex vat	Price inc vat
160	010-201	1.5 kg	£25.71	£29.57
200	010-202	3.0kg	£36.43	£41.89
250	010-203	4.0 kg	£48.21	£55.45
315	010-204	7.0 kg	£69.64	£80.09
380	010-205	7.0 kg	£107.14	£123.21
500	010-206	9.0 kg	£242.14	£278.46

SOFT JAWS - MONO BLOCK JAW CHUCKS



Stock Code	Size	Weight	Price ex vat	Price inc vat
010-111	80mm	1.5 kg	£21.75	£25.01
010-112	100mm	3.0 kg	£23.75	£27.31
010-113	125mm	4.0 kg	£25.75	£29.61
010-114	160mm	7.0 kg	£29.00	£33.35
010-115	200mm	7.0 kg	£36.43	£41.89
010-116	250mm	9.0 kg	£48.21	£55.45

5C LATHE COLLET CHUCK



DIAMETER	Stock Code	Weight	Price ex vat	Price inc vat
130mm	068-311	3kg	£87.55	£100.68

These 5c collet chucks accept all 5c collets from 3-25mm

ER LATHE COLLET CHUCKS



Model	PCD/recess	Stock Code	Price ex vat	Price inc vat
ER25	80mm	069-701	£26.25	£30.19
ER32	80mm	069-702	£26.25	£30.19
ER32	100mm	069-705	£30.63	£35.22
ER40	100mm	069-706	£30.63	£35.22
ER32	125mm	069-708	£35.02	£40.27
ER40	125mm	069-707	£40.17	£46.20



These collet chucks are designed to fit to lathes with a plain back spindle mounting. They use the full range of appropriate size collets. ER collets can be used for both toolholding and workholding and are a simple, accurate and effective way of machining.

LATHE CARRIERS - STRAIGHT TAIL LATHE CARRIERS - BENT TAIL



Max Capacity	Weight	Stock Code	Price ex vat	Price inc vat
1/2"	0.25kg	032-001	£2.37	£2.73
3/4"	0.25kg	032-002	£2.78	£3.20
1"	0.25kg	032-003	£3.30	£3.80
1 1/2"	0.5kg	032-004	£4.64	£5.34
2"	0.75kg	032-005	£6.70	£7.71
3"	1.0kg	032-006	£11.85	£13.63
4"	1.5kg	032-007	£25.49	£29.31

Max Capacity	Weight	Stock Code	Price ex vat	Price inc vat
1/2"	0.25kg	032-101	£2.37	£2.73
3/4"	0.25kg	032-102	£2.78	£3.20
1"	0.25kg	032-103	£3.30	£3.80
1 1/2"	0.5kg	032-104	£4.94	£5.68
2"	0.75kg	032-105	£7.00	£8.05
3"	1.0kg	032-106	£12.65	£14.55
4"	1.5kg	032-107	£26.68	£30.68



TOOLMAKERS CLAMPS

Size	Weight	Stock Code	Price ex vat	Price inc vat
1"	0.25kg	500-601	£3.07	£3.53
2"	0.25kg	500-602	£3.46	£3.98
3"	0.25kg	500-603	£5.25	£6.04
4"	0.5kg	500-604	£5.70	£6.56
5"	1kg	500-606	£6.17	£7.10

CLAMP KITS



Model	'Tee' Slot Size	Thread	Number of Pieces	Weight	Stock Code	Price ex-vat	Price inc vat
CK1	10mm	M8	58	8kg	071-100	£40.57	£46.66
CK8	3/8"	5/16"	58	8kg	071-107	£41.71	£47.97
CK2	12mm	M10	58	8kg	071-101	£41.71	£47.97
CK3	14mm	M12	58	10kg	071-102	£56.65	£65.15
CK4	18mm	M16	58	16kg	071-103	£70.00	£80.50
CK5	1/2"	3/8"	58	10kg	071-104	£41.71	£47.97
CK6	5/8" / 16mm	1/2"	58	16kg	071-105	£44.57	£51.26
CK7	3/4"	5/8"	58	16kg	071-106	£70.00	£80.50
CK9	7/16"	3/8" x 16	58	8kg	071-108	£41.71	£47.97

CK9 suitable for Myford

Chester Clamp kits include 6-'T' Nuts, 6-Flange Nuts, 4-Coupling Nuts, 20-Studs, 6-Step Clamps and 12-Step Blocks. All components are case hardened and black finished. They are supplied in a steel rack which can be machine or wall mounted and represent excellent value for money!

CLAMPING COMPONENTS

'T' NUTS



Size	Weight	Stock Code	Price ex vat	Price inc vat
M10	0.1kg	071-201	£0.82	£0.94
M12	0.1kg	071-202	£1.18	£1.36
M16	0.1kg	071-203	£1.43	£1.64
3/8	0.1kg	071-204	£0.82	£0.94
1/2	0.1kg	071-205	£1.18	£1.36
5/8	0.1kg	071-206	£1.34	£1.54

COUPLING NUTS



Size	Weight	Stock Code	Price ex vat	Price inc vat
M10	0.1kg	071-241	£0.82	£0.94
M12	0.1kg	071-242	£1.18	£1.36
M16	0.1kg	071-243	£1.34	£1.54
3/8	0.1kg	071-244	£0.82	£0.94
1/2	0.1kg	071-245	£1.18	£1.36
5/8	0.1kg	071-246	£1.34	£1.54

FLANGE NUTS



Size	Weight	Stock Code	Price ex vat	Price inc vat
M10	0.05kg	071-221	£0.82	£0.94
M12	0.05kg	071-222	£1.18	£1.36
M16	0.05kg	071-223	£1.34	£1.54
3/8	0.05kg	071-224	£0.82	£0.94
1/2	0.05kg	071-225	£1.18	£1.36
5/8	0.05kg	071-226	£1.34	£1.54

STUDS



Model No.	Size	Length	Weight	Stock Code	Price ex Vat	Price inc Vat
ST1	M10	75	0.1kg	071-301	£0.77	£0.89
ST2	M10	100	0.1kg	071-302	£1.03	£1.18
ST3	M10	125	0.1kg	071-303	£1.29	£1.48
ST4	M10	150	0.25kg	071-304	£1.55	£1.78
ST5	M10	175	0.25kg	071-305	£1.78	£2.05
ST6	M10	200	0.25kg	071-306	£2.06	£2.37
ST7	M12	75	0.1kg	071-311	£0.77	£0.89
ST8	M12	100	0.1kg	071-312	£1.03	£1.18
ST9	M12	125	0.1kg	071-313	£1.29	£1.48
ST10	M12	150	0.25kg	071-314	£1.55	£1.78
ST11	M12	175	0.25kg	071-315	£1.78	£2.05
ST12	M12	200	0.25kg	071-316	£2.06	£2.37
ST13	M16	75	0.1kg	071-321	£0.77	£0.89
ST14	M16	100	0.1kg	071-322	£1.03	£1.18
ST15	M16	125	0.1kg	071-323	£1.29	£1.48
ST16	M16	150	0.25kg	071-324	£1.55	£1.78
ST17	M16	175	0.25kg	071-325	£1.78	£2.05
ST18	M16	200	0.25kg	071-326	£2.06	£2.37
ST19	3/8	3"	0.1kg	071-331	£0.77	£0.89
ST20	3/8	4"	0.1kg	071-332	£1.03	£1.18
ST21	3/8	5"	0.1kg	071-333	£1.29	£1.48
ST22	3/8	6"	0.25kg	071-334	£1.55	£1.78
ST23	3/8	7"	0.25kg	071-335	£1.78	£2.05
ST24	3/8	8"	0.25kg	071-336	£2.06	£2.37
ST25	1/2	3"	0.1kg	071-341	£0.77	£0.89
ST26	1/2	4"	0.1kg	071-342	£1.03	£1.18
ST27	1/2	5"	0.1kg	071-343	£1.29	£1.48
ST28	1/2	6"	0.25kg	071-344	£1.55	£1.78
ST29	1/2	7"	0.25kg	071-345	£1.78	£2.05
ST30	1/2	8"	0.25kg	071-346	£2.06	£2.37
ST31	5/8	3"	0.1kg	071-351	£0.77	£0.89
ST32	5/8	4"	0.1kg	071-352	£1.03	£1.18
ST33	5/8	5"	0.1kg	071-353	£1.29	£1.48
ST34	5/8	6"	0.25kg	071-354	£1.55	£1.78
ST35	5/8	7"	0.25kg	071-355	£1.78	£2.05
ST36	5/8	8"	0.25kg	071-356	£2.06	£2.37

MACHINISTS JACK

Stock Code	Weight	Price ex vat	Price inc vat
500-300	0.25kg	£2.99	£3.44





ROTARY TABLES

Stock-code	Model	Table		Base Dimension		Bolt slots	Centre sleeve	Worm Gear ratio	Weight Kgs	Price ex-vat	Price inc vat
		D	H	A	B	K					
HOM-HHV-100	HHV-100	110	26	145	130		MT-2	90:1	7.5	£150.00	£172.50
HOM-HHV-150	HHV-150	150	92	220	160	18	MT-2		12.5	£180.00	£207.00
HOM-HHV-200	HHV-200	200	120	310	225	18	MT-3		31.0	£279.00	£320.85
HOM-HHV-250	HHV-250	250	120	320	280	18	MT-3	90 : 1	48.5	£347.87	£400.00
HOM-HHV-300	HHV-300	300	140	410	325	18	MT-4		77.0	£433.14	£498.11
HOM-HHV-350	HHV-350	350	140	460	380	18	MT-4		98	£ 554.05	£637.16
HOM-HHV-400	HHV-400	400	140	510	435	18	MT-5		130	£661.00	£760.15

HHV200 shown with optional dividing plates



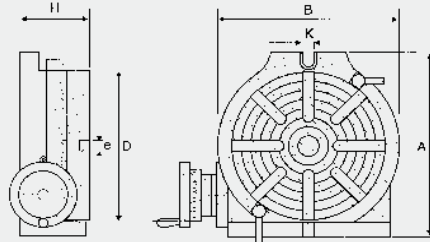
FEATURES:-

The work table is graduated 360 degrees around its circumference and is driven by a precision Worm and Gear providing a 90:1 reduction ratio.

One turn of the handle moves the table through 4 degrees. The dial is graduated in divisions of 1 min. and the vernier scale allows readings down to 10 seconds.

The worm is hardened and precision ground. Both the upper and lower surfaces are precision ground.

HHV-150 Rotary Table includes dividing plates



DIVIDING PLATES FOR ROTARY TABLES

Stock-code	Order No.	Suitable for	Dividing plate set screw	Inner diameter of sector arm	Outer diameter of spring clip	Grove width in handle plate	Weight (kg)	Price ex-vat	Price inc vat
HOM-DP-1	DP-1	HHV-100/HHV-150	PCD. 32 Ø 1.26	21	18	9	2.5	£59.37	£68.28
HOM-DP-2	DP-2	HHV-200,250	PCD. (3holes) 46 1.81	28.7	44	10	4	£80.75	£92.86
HOM-DP-3	DP-3	HHV-300,350,400	PCD. (3holes) 46 1.81	28.7	44	10	4	£90.00	£103.50



FEATURES:

The DIVIDING PLATE SET consists of 2 Indexing Plates, a Sector and a Handle with Plunger.

Using this DIVIDING PLATE SET the indexing of 2 to 100 divisions can be attained quickly and accurately.

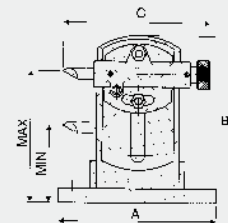
NUMBER OF HOLES:

DP-1 A Plate... 15,16,17,18,19,20
B Plate... 21,23,27,29,31,33
C Plate... 37,39,41,43,47,49

DP-2,3

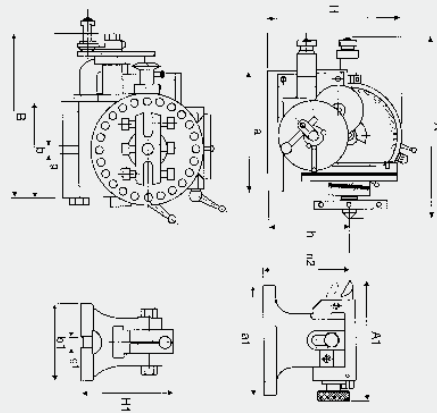
A Plate... 26,28,30,32,34,37,38,39,41,43,44,46, 47,49,51,53,57,59
B Plate... 61,63,67,69,71,73,77,79,81,83,87,89, 91,93,97,99

TAILSTOCK FOR ROTARY TABLES



Stock-code	Order No.	Suitable for	A	B	C	Centre Height		Weight kgs	Price ex-vat	Price inc-vat
						Max	Min			
HOM-TS1	TS-1	HHV-100 /HHV150	125	107	165	114	100	4	£80.75	£92.86
HOM-TS2	TS-2	HHV-200/HHV-250	230	247	210	190	110	13	£80.75	£92.86
HOM-TS3	TS-3	HHV-300	230	280	210	220	140	15	£90.00	£103.50
HOM-TS4	TS-4	HHV-350/HHV-400	230	330	210	264	184	17	£122.31	£140.66

UNIVERSAL DIVIDING HEAD



UNIVERSAL DIVIDING HEAD BS-2

Stock-code	Model	A	B	H	h	a	b	g	Taper of centre	Weight
HOM-BS-2	BS-2	365	272	236	132.7	213	134	16	B&S No.10	73KGS

TAIL STOCK FOR UNIVERSAL DIVIDING HEAD BS-2

No	Model	A1	a1	b1	g1a	H1	Center Height (h2)
D-07	BS-2	194	177	125	16	147	Max: 138 Min: 115

STANDARD ACCESSORIES

Dividing Plate A, B, C

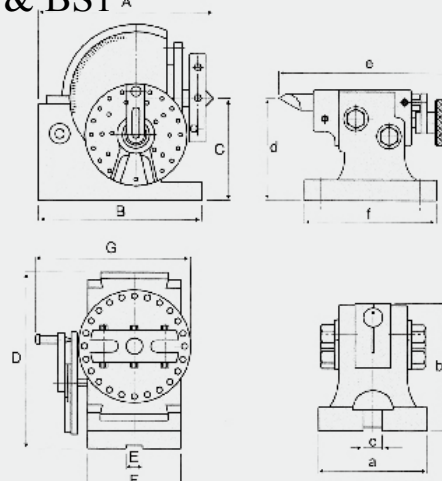
Numbers of holes of dividing plate (worm gear reduction ratio 1:40)

Numbers of hole	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49

FEATURES:

This Universal Dividing Head has been designed to carry out all types of gear cutting. Precision dividing and spiral work (except Type BS-0 and BS-1) with greater precision and efficiency than has been possible before. The center face can be tilted from a horizontal position of 90° down to -10° from vertical, and inclinations can be read off a scale graduated in degrees. The ratio of worm to gear is 1:40.

SEMI-UNIVERSAL DIVIDING HEAD BSO & BS1



SEMI-UNIVERSAL DIVIDING

Stock-code	Model	A	B	C	D	E	F	G	Weight (kg)	Price ex Vat	Price inc Vat
HOM-BS-0	BS-0	189	160	100	173	16	91	140	22	£250.00	£287.50
HOM-BS-1	BS-1	293	210	128	220	16	114	156	36	£399.00	£458.85

TAIL-STOCK FOR SEMI-UNIVERSAL DIVIDING HEAD BS-0 & BS-1

No	Model	A	B	C	D	E	F	Taper of Center	Diameter of Spindle Hole
D-05	BS-0	90	105	16	100	166	127	B&S No.7	18
D-06	BS-1	108	134	16	128	184	150	B&S No.9	20

STANDARD ACCESSORIES

Dividing plate A, B, C
Numbers of holes dividing plate (worm gear reduction ratio 1:40)

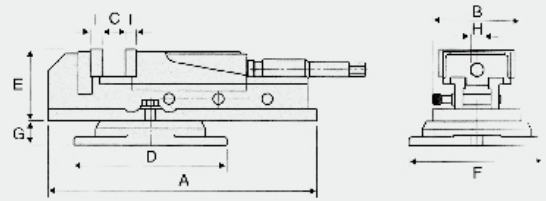
Numbers of hole	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49

FEATURES:

Semi-Universal Dividing Head is a simplified type of Universal Index Center and can be used for direct and indirect dividing. No accessories for the differential dividing and spiral work are included, but the whole construction of the dividing head and tailstock are identical with those of the universal type. The unit has a Direct Indexing Plate with 24 holes enabling the direct division of 2, 3, 4, 6, 8, 12 and 24. Three further Indexing Plates are provided as standard to facilitate indirect dividing from 2 to 50 and also most useful divisions up to 380.



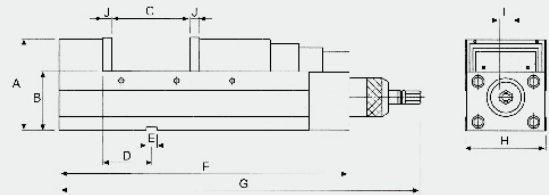
H SERIES VICES



- The vice jaws are made of hardened alloy steel and are precision ground.
- All slideways on these vices are hardened and ground.
- Clamping force can be adjusted by the use of a dial.
- Hydraulic vices are suitable where a high clamping force is required.

Stock-code	Model	A	B	C	D	E	F	G	H	I	Weight(kg)
HOM-H-400	H-400	394	148	200	224	105	204	35	19	15	19
HOM-H-600	H-600	535	200	275	280	142	256	32	19	15	45
HOM-H-800	H-800	605	250	350	336	144	300	40	19	15	75

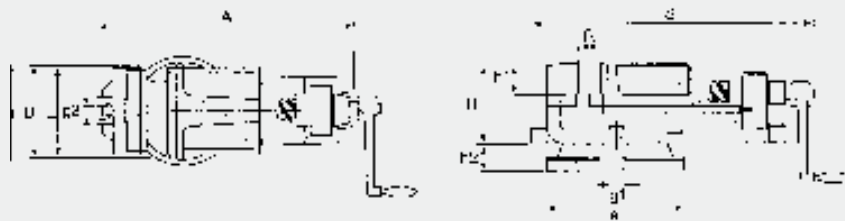
HPAC VICES



Stock-code	Model	A	B	D	E	F	G	H	Max clamping Force	I	J	C	C1	C2	C3	Weight (kg)
HOM-HPAC-130	HPAC-130	147	95 ± 0.01	80 ± 0.02	18	475	583	131	6000 kg	19	15	0-190	70-260	115-305	185-375	47
HOM-HPAC-160	HPAC-160	160	105 ± 0.01	80 ± 0.02	18	560	670	161	8000 kg	19	15	0-240	85-325	140-375	220-460	65
HOM-HPAC-200	HPAC-200	170	110 ± 0.01	100 ± 0.02	18	635	743	201	8000 kg	19	18	0-285	90-380	155-440	240-530	95

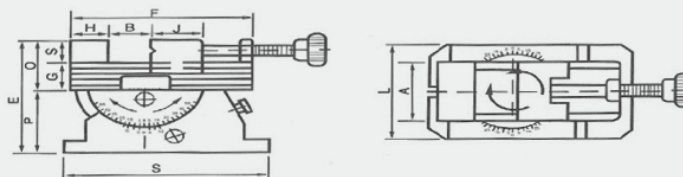
1. Vice body made of Ductile Iron above FCD 60 grade for high precision and durability. The body is made in one solid piece and has very high rigidity with a force of 4500kg, the shape will deflect less than 0.01mm.
2. Slide ways are HARDENED to HRC50° to further increase durability and maintain positioning height over long use.
3. Using high-grade iron of over FCD 60 grade for high rigidity and also ANGLE-LOCK SYSTEM which automatically pulls the work piece down to the accurate position of within 0.01mm under 4500kg of pressure, this vice is most suitable for precision mould making on Machining Centers.
4. Vice can be mounted horizontally or vertically.
5. The patented MULTI-POWER SYSTEM is built of HIGH GRADE BEARING STEEL which doubles the clamping force. With half a turn the vice will clamp with 2500kg pressure, with a second half turn it will apply 4500kg of clamping force. With this special patented system the clamping force will never change.

K SERIES VICES



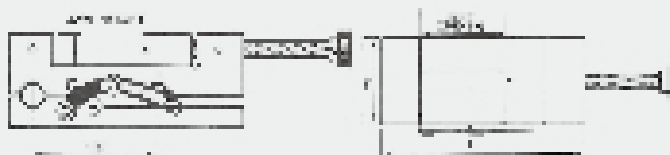
Stock Code	Model	E	A	B	H	R	S	a	b	h1	h2	g1	g2	NetWeight	Price ex vat	Price inc vat
HOM-HKV-100	K100	100	267	106	75	65	295	160	114	30	25	10	10	10kgs	£80.00	£92.00
HOM-HKV-125	K125	125	340	130	99	80	400	210	155	38	23	10	10	16kgs	£110.00	£126.50
HOM-HKV-160	K150	150	421	160	105	114	462	245	175	40	40	13	13	26kgs	£135.00	£155.25
HOM-HKV-200	K200	200	576	215	144	150	620	340	230	58	45	17	17	52kgs	£233.00	£267.95

PRECISION UNIVERSAL ANGLE VICE



Stock Code	A	B	C	E	F	G	H	J	L	O	P	S	Net Weight
VER-VUA-3	70mm	80mm	30mm	158mm	160mm	32mm	32mm	43mm	110mm	62mm	75mm	180mm	13kgs

SINE VICE



Stock Code	Material	Length	Width	Jaw Opening	Jaw Height	Angle	Harden	Net Weight
VER-SVD-200	SK2	155mm	48mm	60mm	25mm	0-46o	HRC56o-58o	5kgs
VER-SVD-250	SK2	176mm	63mm	70mm	30mm	0-46o	HRC56o-58o	8kgs
VER-SVD-300	SK2	180mm	75mm	85mm	30mm	0-46o	HRC56o-58o	12kgs

TOOLMAKERS VICE



Stock Code	A	B	C	D	E	F	G	H	I	J	Net Weight
VER-VC-20	135mm	48mm	42mm	20mm	22mm	23mm	62mm	40mm	M6	5x7mm	2kgs
VER-VC-25	160mm	70mm	62mm	30mm	32mm	33mm	80mm	45mm	M6	8x7mm	3kgs
VER-VC-30	175mm	73mm	65mm	32mm	33mm	35mm	95mm	45mm	M6	8x7mm	4kgs

VICES

DRILL PRESS VICES



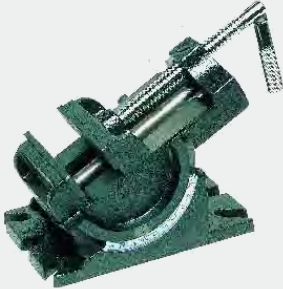
Model	DP80	DP100	DP125	DP160
Jaw Width	75mm	100mm	125mm	150mm
Max. Opening	70mm	90mm	110mm	130mm
Fixing Holes	10mm	14mm	14mm	14mm
Height	50mm	60mm	60mm	66mm
Centre Dist. of Fixing Holes	100mm	135mm	155mm	180mm
Weight	2.2 kg	3.4 kg	4.9 kg	7.4 kg
Stock Code	062-101	062-102	062-119	062-103
Price ex vat	£12.36	£14.42	£16.48	£20.60
Price inc vat	£14.21	£16.58	£18.95	£23.69

'V'SERIES VICES



Model	V80	V100	V125	V160	V200
Jaw Width	80mm	100mm	125mm	160mm	200mm
Max. Opening	60mm	80mm	100mm	125mm	160mm
Fixing Holes	12mm	14mm	14mm	14mm	16mm
Height	95mm	120mm	125mm	172mm	189mm
Weight	7.5 kg	10.5 kg	18.0 kg	43.0 kg	58.0 kg
Stock Code	062-106	062-107	062-108	062-117	062-118
Price ex vat	£48.57	£57.71	£76.57	£129.43	£170.00
Price inc vat	£55.86	£566.37	£88.06	£148.84	£195.50

HOBBY TILTING VICE



Jaw Width	Stock Code	Weight	Price ex vat	Price inc vat
3"	062-126	3kg	£30.00	£34.50
4"	062-127	4kg	£34.86	£40.09

MINI MILLING VICE



This small milling machine vice is made of high quality cast iron. The swivel base can be removed to reduce the work height. This design also protects the leadscrew from swarf, and incorporates an adjustable gibstrip along the dovetail slide.

Model	V50
Jaw Width	57mm
Max. Opening	39mm
Dist : Fixing Holes - Swivel Base	115mm
Dist : Fixing Holes - Vice	70mm
Height - without base	40mm
Height - Vice with Base	60mm
Weight	2.5 kg
Stock Code	062-200
Price ex vat	£38.30
Price inc vat	£44.05

SPLIT VICES



Jaw Width	Stock Code	Weight	Price ex vat	Price inc vat
4"/100mm	062-221	13 kg	£97.85	£112.53
5"/125mm	062-222	18 kg	£108.15	£124.37

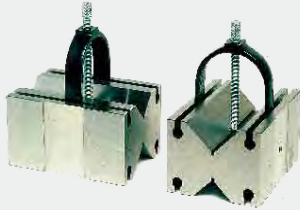
Split vices are a versatile method of securing work on a milling table. Each jaw is fastened to the table with a 'T' bolt, the work is then clamped tight with a turn of the allen key clamping the front piece of the jaw against the workpiece.

UNIVERSAL 'V' BLOCK AND CLAMP - ALL ANGLE



Stock Code	Weight	L X W X H (mm)	Holding Capacity (mm)	Price Ex VAT	Price Inc VAT
VBL-UNI	0.5kg	92x48x48	33	£25.75	£29.61

'V' BLOCKS WITH CLAMPS



Stock Code	Weight	L X W X H (mm)	Clamping Capacity (mm)	Price ex vat	Price inc vat
VBL-CLAM-25	0.5kg	45x40x35	25	£13.15	£15.12
VBL-CLAM-38	0.5kg	50x38x38	38	£21.95	£25.24
VBL-CLAM-54	2.0kg	125x88x70	54	£48.00	£55.20
VBL-CLAM-70	2.0kg	100x75x75	70	£65.75	£75.61

CAST IRON 'V' BLOCKS



Size	Stock Code	Weight	Price ex vat	Price inc vat
2"	062-331	0.5kgs	£10.25	£11.79
3"	062-332	1kgs	£12.25	£14.09
4"	062-333	2kgs	£17.50	£20.13
5"	062-334	4kgs	£26.75	£30.76
6"	062-335	6kgs	£47.40	£54.51
7"	062-336	12kgs	£85.50	£98.33
8"	062-337	19kgs	£115.00	£132.25
10"	062-338	34kgs	£152.32	£175.17
12"	062-339	62kgs	£288.40	£331.66

VERTICAL SLIDES

A vertical slide can increase the capabilities of your lathe. Functions such as miling and slotting can be carried out, making the vertical slide an essential accessory. These vertical slides fit to the crossslide of the lathe either in replacement of or as well as the topslide.

CHESTER SMALL VERTICAL SLIDE



Model	Weight	Stock Code	Price ex vat	Price inc vat
Small Vertical Slide	0.5kgs	059-102	£65.74	£75.60

This vertical slide is of alloy construction and is suitable for small machines such as the Chester Conquest and Cobra lathes.

CHESTER MEDIUM DUTY VERTICAL SLIDE



Model	Weight	Stock Code	Price ex vat	Price inc vat
Medium Vertical Slide	5.5kgs	059-	£65.74	£77.25

This vertical slide is made from cast iron and is suitable for small and medium size lathes such as the 920, DB8 and Comet.

CHESTER HEAVY DUTY VERTICAL SLIDE

Milling Table	160 x 100mm
'T' Slots	12mm
Travel of Slide	115mm
Dial Graduation	0.05mm
Rotation	360°
Weight	10kgs
Stock Code	059-101
Price ex vat	£87.66
Price inc vat	£100.81

The Chester Vertical Slide is a sturdy milling attachment suitable for any lathe. It has a precision ground table rotary base and hardened work holding jaws.

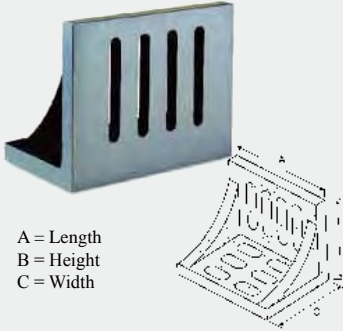


ANGLE PLATES - OPEN



Length	Width	Height	Weight	Stock Code	Price ex vat	Price inc vat
3"	2 1/2"	2"	0.5kg	020 - 001	£12.89	£14.82
3 1/2"	3"	2 1/2"	1kg	020 - 003	£14.50	£16.68
4 1/2"	3 1/2"	3"	1.5kg	020 - 004	£16.50	£18.98
6"	5"	4 1/2"	3kg	020 - 006	£24.43	£28.09
7"	5 1/2"	4 1/2"	4kg	020 - 007	£30.95	£35.59
8"	6"	5"	5.5kg	020 - 008	£46.35	£53.30
9"	7"	6"	8kg	020 - 009	£62.00	£71.30
10"	8"	6"	11kg	020 - 010	£77.25	£88.84
12"	9"	8"	19kg	020 - 012	£114.00	£131.10

ANGLE PLATES - WEBBED



A = Length
B = Height
C = Width

Length	Width	Height	Weight	Stock Code	Price ex vat	Price inc vat
3"	2 1/2"	2"	0.5kg	020 - 101	£15.50	£17.83
3 1/2"	3"	2 1/2"	1kg	020 - 103	£17.50	£20.13
4 1/2"	3 1/2"	3"	1.5kg	020 - 104	£19.60	£22.54
6"	5"	4 1/2"	4kg	020 - 106	£21.65	£24.90
7"	5 1/2"	4 1/2"	5.5kg	020 - 107	£36.00	£41.40
8"	6"	5"	7kg	020 - 108	£52.50	£60.38
9"	7"	6"	9.5kg	020 - 109	£67.00	£77.05
10"	8"	6"	12kg	020 - 110	£82.50	£94.88
12"	9"	8"	22kg	020 - 112	£108.00	£124.20
16"	12"	9"	35kg	020 - 116	£204.39	£235.04
20"	16"	12"	45kg	020 - 120	£313.77	£360.84
24"	12"	18"	55kg	020 - 124	£360.50	£414.58

UNIVERSAL ANGLE PLATE



Length	Width	Height	Weight	Stock Code	Price ex vat	Price inc vat
5"	4"	3 1/2"	5kg	020 - 205	£25.075	£28.84
6"	4"	4"	6kg	020 - 206	£29.87	£34.35
6"	5"	4"	8kg	020 - 207	£39.14	£45.01
8"	5"	4"	11kg	020 - 208	£50.47	£58.04
12"	8"	5"	24kg	020 - 209	£105.04	£120.80
10"	8"	5"	19.5kg	020 - 210	£90.39	£103.94
10"	7"	5"	20kg	020 - 211	£93.91	£108.00
8"	6"	6"	16kg	020 - 212	£66.23	£76.16
12"	10"	8"	35kg	020 - 213	£147.66	£169.81
16"	12"	10"	67kg	020 - 214	£226.60	£260.59
16"	9"	8"	46kg	020 - 215	£276.86	£318.39
24"	12"	12"	100kg	020 - 216	£404.43	£465.09

MOUNTINGBLOCK



Suitable for Elevating Work Table on Model B and Centurion Machining Centres

Length	Width	Height	T SLOT SIZE	FIXING HOLES	Stock Code	Price ex vat	Price inc vat
220mm	150mm	125mm	12mm	160mm	017-102	£38.11	£43.83

PLAIN ANGLE PLATE



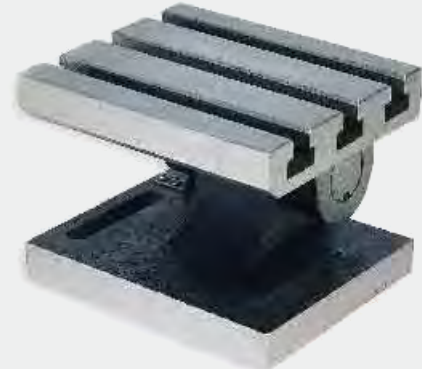
Length	Width	Height	Weight	Stock Code	Price ex vat	Price inc vat
2"	2"	2"	0.5kg	020 - 302	£12.888	£14.82
3"	3"	3"	1.5kg	020 - 303	£15.45	£17.77
4"	4"	4"	4kg	020 - 304	£17.53	£20.16
5"	5"	5"	6kg	020 - 305	£22.26	£25.60
6"	6"	6"	8kg	020 - 306	£29.04	£33.40
8"	8"	8"	14kg	020 - 308	£60.77	£69.89
10"	10"	10"	26kg	020 - 310	£113.30	£130.30
12"	12"	12"	45kg	020 - 312	£165.84	£190.72

TILTING TABLE



Model	T7	T10	T15C
Length	175mm	250mm	275mm
Width	125mm	175mm	360mm
Height	95mm	125mm	179mm
T Slot Size	12mm	14mm	14mm
Tilting Capacity	± 45o	± 45o	± 45o
Stock Code	018-101	018-102	018-104
Weight	9kgs	14kgs	44kgs
Price ex-vat	£65.14	£112.64	£234.51
Price inc-vat	£74.91	£129.54	£269.69

TILTING ANGLE PLATE



Size	Stock Code	Weight	Price Ex VAT	Price Inc VAT
5 x 6	018-206	7.5 kg	£49.50	£56.93
6 x 8	018-208	13 kg	£64.90	£74.64
8 x 10	018-210	21.5 kg	£89.50	£102.93
10 x 12	018-212	26 kg	£139.00	£159.85



MICROMETERS



Each imperial micrometer measures in .001" increments.
Each metric micrometer measures in 0.01mm increments.
Includes wrench and carrying case.

Size	Reading	Stock Code	Weight	Price ex vat	Price inc
0-25mm	0.01mm	081-301	0.5 kg	£13.71	£15.77
25-50mm	0.01mm	081-302	0.5 kg	£15.43	£17.74
50-75mm	0.01mm	081-303	0.5 kg	£17.57	£20.21
75-100mm	0.01mm	081-304	0.75 kg	£19.50	£22.43
175-200mm	0.01mm	081-111	1.0 kg	£29.79	£34.25
200-225mm	0.01mm	081-310	1.2 kg	£33.00	£37.95
250-275mm	0.01mm	081-112	1.3 kg	£36.64	£42.14
0-1"	0.001"	081-305	0.5 kg	£13.71	£15.77
1-2"	0.001"	081-306	0.5 kg	£15.43	£17.74
2-3"	0.001"	081-307	0.5 kg	£17.57	£20.21
3-4"	0.001"	081-308	0.75 kg	£19.50	£22.43

MICROMETER SETS



Size	Reading	Stock Code	Weight	Price ex vat	Price inc vat
0-100mm	0.01mm	081-321	2.5 kg	£36.00	£41.40
0-4"	0.001"	081-322	2.5 kg	£36.00	£41.40

Each set comprises 4 micrometers in either metric or imperial measurement.
All sets are supplied in robust wooden box.

INSIDEMICROMETER



Range	Stock Code	Weight	Price ex vat	Price inc vat
5-30mm	081-381	0.5 kg	£35.71	£41.07
25-50mm	081-382	0.5 kg	£41.15	£47.32
50-75mm	081-383	0.5 kg	£46.00	£52.90
75-100mm	081-384	0.5 kg	£51.50	£59.23

PRECISION GRADE TEST BARS



Taper	Length	Stock Code	Price ex vat	Price inc vat
MT1	175mm	081-900	£45.71	£52.57
MT2	230mm	081-901	£60.00	£69.00
MT3	350mm	081-902	£108.57	£124.86
MT4	420mm	081-903	£122.86	£141.29
MT5	460mm	081-904	£185.50	£213.33
MT6	715mm	081-905	£292.50	£336.38
ISO40	370mm	081-905	£268.00	£308.20
ISO50	445mm	081-907	£333.75	£383.81

MAGNETIC BASE



Model	Stock Code	Weight	Max Clamping Force	Price Ex vat	Price Inc vat
MB1	051-101	1.5 kg	30 kg	£8.75	£10.06

High quality item features a strong magnet that turns on or off with a switch. This unit has ground vertical surface at rear and 'V' ground section on the base for ease of mounting. Also supplied with vernier adjustment on arm.

MAGNETIC BASE AND DIAL GAUGE



Model	Stock Code	Weight	Price Ex vat	Price Inc vat
Metric	081-415	2.0kg	£32.57	£37.46
Imperial	081-416	2.0 kg	£30.00	£34.50

This set includes:- Magnetic base (as above), Dial Gauge 0-10mm or 0-1" and Moulded Carry Case

DIVIDERS



Size	Stock Code	Weight	Price ex vat	Price inc vat
6"	083-001	0.25kgs	£2.83	£3.25
10"	083-002	0.45kgs	£5.25	£6.04

All spring dividers are made from mild steel and have thumbscrew vernier adjustment.

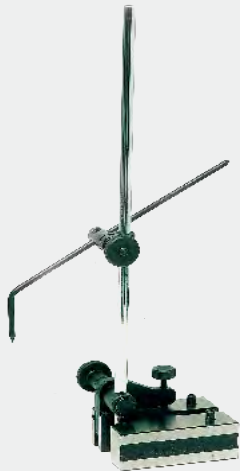
STEEL RULE



Size	Stock Code	Weight	Price Ex vat	Price Inc vat
12"/300mm	083-011	0.10 kg	£1.93	£2.22
18"/450mm	083-012	0.12 kg	£3.53	£4.06

All rulers have a conversion table on the reverse and are made from stainless steel.

SURFACEMARKINGBLOCK



Stock Code	Weight	Price Ex VAT	Price Inc vat
061-121	1.5 kg	£15.76	£18.12

Surface marking gauges are supplied with 1 long and 1 short spindle. They have vernier adjustment at the base and a ground finish.

DIAL HEIGHT GAUGE



Range	Reading	Stock Code	Price ex vat	Price Inc vat
0-150mm	0.02mm	081-507	£30.00	£34.50

VERNIER HEIGHT GAUGE



Range	Reading	Magnifier	Stock Code	Price ex vat	Price Inc vat
0-200mm	0.02mm	NO	081-500	£40.07	£46.08
0-300mm/12"	0.02mm/0.001"	YES	081-501	£35.00	£40.25
0-500mm/20"	0.02mm/0.001"	YES	081-502	£101.00	£116.15

LEVERDIALGAUGE



Range	Resolution	Stock Code	Weight	Price ex vat	Price inc vat
+/- 4"	0.0001"	081-430	0.25 kg	£65.71	£75.57

Each lever dial gauge comes with two mounting brackets. The indicator point is adjustable to allow for different angles of measuring.

MICROMETER STAND



Stock Code	Weight	Price ex vat	Price inc vat
081-399	1.5 kg	£22.66	£26.06

Ease micrometer use and increase precision with this micrometer stand. Made from cast iron this unit will accommodate most inside and outside micrometers.

INTERNAL BORE GAUGES



Range	Stock Code	Weight	Price ex vat	Price inc vat
5/16"-6"	081-700	1.0 kg	£17.14	£19.71

Internal bore gauges can measure inside dimensions quickly and accurately. Contact points are hardened steel, self centring and lock in place by turn of a knurled screw. Measurements are taken using a micrometer. Each set supplied in a heavy vinyl wallet.

ENGINEERS SQUARES



Size	Stock Code	Weight	Price ex vat	Price inc vat
2"	052-101	0.25 kg	£2.62	£3.01
3"	052-102	0.25 kg	£3.07	£3.53
4"	052-103	0.25 kg	£3.73	£4.29
6"	052-104	0.5 kg	£5.17	£5.95
12"	052-105	2.0 kg	£18.41	£21.17

GRANITESURFACEPLATES



Granite surface plates are non-responsive to temperature changes, don't corrode, non-magnetic and are maintenance free. Each surface plate is supplied with 00 grade accuracy report.

Size	Weight	Stock Code	Price ex vat	Price inc vat
8 x 8 x 2	7kg	053-201	£61.75	£71.01
8 x 10 x 2	8kg	053-202	£77.00	£88.55
12 x 12 x 3	25kg	053-203	£101.00	£116.15
16 x 16 x 4	51kg	053-209	£165.00	£189.75
16 x 24 x 4	75kg	053-204	£262.00	£301.30
36 x 24 x 4	140kg	053-206	£539.00	£619.85

CAST IRONSURFACEPLATES



Stock Code	Size	Surface Accuracy	Weight	Price ex vat	Price Inc vat
053-101	200x200x50mm	0.005/100mm	8kg	£49.00	£56.35
053-103	250x300x50mm		16kg	£59.00	£67.85
053-104	300x300x50mm		18kg	£75.00	£86.25
053-105	300x400x50mm		23kg	£110.00	£126.50

6" PRECISION LEVELS



These levels include frame level and master level. They are used to check the level and inclination of machines and equipment when they are being installed.
Graduation (in./10in.) : 0,0002-0.0005

Stock Code	Weight	Price ex vat	Price inc vat
052-204	2.5 kg	£58.88	£67.71

12" PRECISION LEVELS



These levels include frame level and master level. They are used to check the level and inclination of machines and equipment when they are being installed.
Graduation (in./10in.) : 0,0002-0.0005

Stock Code	Weight	Price ex vat	Price inc vat
052-205	3.5 kg	£96.35	£110.80

ANGLE SETS 2PIECE



They are ideal for production and inspection work.
Made from High Quality Steel
HARDNESS HRC52-58
4 Holes for easy Mounting
Angular Accuracy: ± 0.0003"
Dimensions: 3" Lx1/4"T

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pair	081-740	0.5 kg	£12.55	£14.43

ANGLE SETS 10 PIECE



They are ideal for production and inspection work.
Made from High Quality Steel
HARDNESS HRC52-58
Angular Accuracy: ± 0.0003"
Dimensions: 3" Lx1/4"T

Angles - Degrees

1, 2, 3, 4, 5, 10, 15, 20, 25, 30

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
10 pairs	081-742	1.0 kg	£24.59	£28.28

ANGLESETS17PIECE



They are ideal for production and inspection work.
Made from High Quality Steel
HARDNESS HRC52-58
Angular Accuracy: ± 0.0003"
Dimensions: 3" Lx1/4"T

Angle Sizes - degrees

0, 0, 1/4, 1/2, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 35, 40, 45 degrees

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
17 pairs	081-741	1.5 kg	£42.99	£49.44

PRECISIONPARALLELS



These parallels have precision dimensions and are simple and easy to use. They are made from high quality steel, hardened, stress relieved and precision ground.
Hardness HRC55-62
Accuracy: 0.0002" parallelism in height, ± 0.0002" to size in height.

Sizes (W x H x L)

1/8 x 1/2 x 6", 1/8 x 5/8 x 6", 1/8 x 3/4 x 6", 1/8 x 7/8 x 6", 1/8 x 1 x 6", 1/8 x 1 1/8 x 6", 1/8 x 1 1/4 x 6", 1/8 x 1 3/8 x 6", 1/8 x 1 1/2 x 6", 1/8 x 1 5/8 x 6"

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
10 pairs	081-730	1.5 kg	£30.00	£34.50

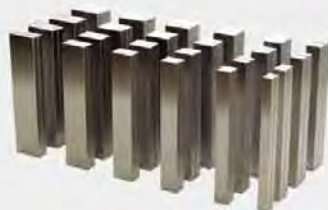
7 PC PARALLEL SET



These parallels have precision dimensions and are simple and easy to use. They are made from high quality steel, hardened, stress relieved and precision ground.
Hardness HRC55-62
Accuracy: 0.0002" parallelism in height, ± 0.0002" to size in height.

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
7 pairs	081-736	2.5 kg	£58.04	£66.75

24PC PARALLEL SET



These parallels have precision dimensions and are simple and easy to use. They are made from high quality steel, hardened, stress relieved and precision ground.
Hardness HRC55-62
Accuracy: 0.0002" parallelism in height, ± 0.0002" to size in height.

Sizes of Parallels (W x H x L)

8 x 11 x 150mm, 10 x 13 x 150mm, 12 x 15 x 150mm, 14 x 17 x 150mm, 8 x 16 x 150mm
10 x 18 x 150mm, 12 x 20 x 150mm, 14 x 22 x 150mm, 8 x 21 x 150mm, 10 x 23 x 150mm
12 x 25 x 150mm, 14 x 27 x 150mm, 8 x 26 x 150mm, 10 x 28 x 150mm, 12 x 30 x 150mm
14 x 32 x 150mm, 8 x 31 x 150mm, 10 x 33 x 150mm, 12 x 35 x 150mm, 14 x 37 x 150mm
8 x 36 x 150mm, 10 x 38 x 150mm, 12 x 40 x 150mm, 14 x 42 x 150mm

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
24 pairs	081-737	7 kg	£129.30	£148.70

1"-2"-3" PARALLEL BLOCKS



Parallel Blocks ideal for set-up, layout and inspection work.

Made from High Quality Steel

Hardness HRC55-62

High Accuracy

23 holes: (5) 3/8" - 16 tapped holes are provided for clamping operations.

Dimensions: 1" - 2" - 3"

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pairs	081-739	1.0 kg	£8.53	£9.81

HIGH PRECISION V BLOCK AND CLAMP 1 3/8" x 1 3/8" x 1 3/16"



ideal for use in layout of machining and inspection jobs.

Made from High Quality Steel

Hardness HRC55-62

90° v-Angles

Accuracy (inch): 0.0002"

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pairs	062-352	0.5kg	£28.67	£32.97

HIGH PRECISION V BLOCK AND CLAMP 2 3/8" x 2 3/8" x 2"



ideal for use in layout of machining and inspection jobs.

Made from High Quality Steel

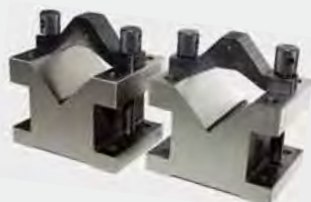
Hardness HRC55-62

90° v-Angles

Accuracy (inch): 0.0002"

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pairs	062-353	0.75 kg	£42.99	£49.44

HIGH PRECISION V BLOCK AND CLAMP 3" x 4" x 3"



ideal for use in layout of machining and inspection jobs.

Made from High Quality Steel

Hardness HRC55-62

90° v-Angles

Accuracy (inch): 0.0002"

Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pairs	062-354	1.5 kg	£71.68	£82.43

HIGH PRECISION V BLOCK AND CLAMP 105 x 105 x 78mm



ideal for use in layout of machining and inspection jobs.

Made from High Quality Steel

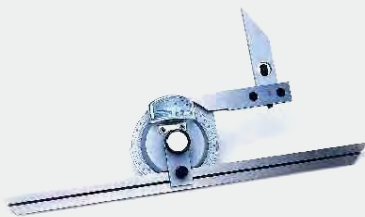
Hardness HRC55-62

90° v-Angles

Accuracy (inch): 0.0002"

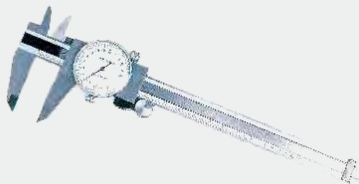
Quantity	Stock Code	Weight	Price ex vat	Price inc vat
1 pairs	062-355	2.0 kg	£86.03	£98.93

BEVEL PROTRACTOR



Length	Weight	Stock Code	Price ex vat	Price inc vat
300mm/12"	0.5 kg	083-020	£42.86	£49.29

DIAL CALIPER



Size	Reading	Stock Code	Weight	Price ex vat	Price inc vat
0-150mm	0.02mm	081-201	0.5 kg	£11.40	£13.11
0-6"	0.001"	081-203	0.5 kg	£11.40	£13.11
0-200mm	0.02mm	081-202	0.5 kg	£15.75	£18.11
0-8"	0.001"	081-204	0.5 kg	£15.75	£18.11

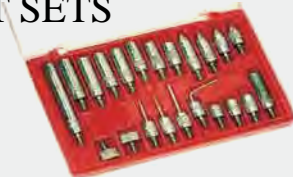
These dial calipers are of stainless steel construction and have hardened inside and outside knife edges. Adjustment is made by means of a knurled thumb roll. Each caliper is supplied boxed.

DIAL GAUGE



Range	Reading	Stock Code	Weight	Price ex vat	Price inc vat
0-10mm	0.01mm	081-401	0.25 kg	£14.29	£16.43
0-25mm	0.01mm	081-404	0.25 kg	£25.71	£29.57
0-1"	0.001"	081-405	0.25 kg	£11.71	£13.47

INDICATOR POINT SETS



Stock Code	Weight	Price Ex VAT	Price Inc VAT
081-420	0.10 kg	£4.57	£5.26

Indicator point sets are used for improving the versatility of standard dial gauges, each set is supplied in a plastic case.

MEASURING TOOL SET



Stock Code	Weight	Price ex vat	Price inc vat
083-230	1 kg	£28.61	£32.90

Each set comprises 0-25mm Micrometer, 4" Engineers Square, 6"/150mm Vernier Caliper, 6"/150mm Steel Rule and is supplied in plastic moulded case.

VERNIER CALIPER



Size	Reading	Weight	Stock Code	Price ex vat	Price inc vat
6"/150mm	0.001"/0.02mm	0.5 kg	081-101	£27.21	£31.30
8"/200mm	0.001"/0.02mm	0.5 kg	081-102	£40.29	£46.33
12"/300mm	0.001"/0.02mm	1.0 kg	081-103	£48.64	£55.94

ANGLE LEVELS



052-202



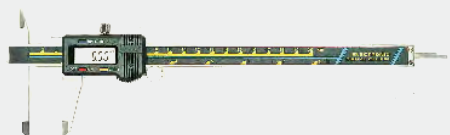
052-201



052-203

Stock Code	L x W x H	Base	Accuracy	Weight	Price ex vat	Price inc vat
052-201	78x62x14mm	ABS	0.2°	0.08kg	£15.00	£17.25
052-202	93x79x15mm	ABS	0.1°	0.11kg	£20.00	£23.00
052-203	335x73x30mm	ALUMINIUM	0.2°	0.5kg	£60.00	£69.00
13mm/1/2" x 3m/10'						

DIGITAL CALIPERS



All digital calipers have a resolution of 0.05mm

Model	Stock Code	Weight	Price inc vat	Price Inc vat
0-75mm/3"	082-110	186g	£16.75	£19.26
0-100mm/4"	082-100A	186g	£18.25	£20.99
0-150mm/6"	082-101	294g	£20.50	£23.58
0-200mm/8"	082-102	422g	£41.00	£47.15
0-300mm/12"	082-108	685g	£56.50	£64.98
0-500mm/20"	082-103	1885g	£98.00	£112.70
0-1000mm/40"	082-104	4535g	£257.50	£296.13

DIGITAL MICROMETERS



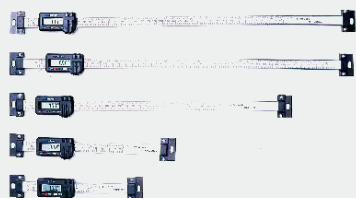
Model	Weight	Stock Code	Price ex vat	Price inc vat
0-25mm	0.5kg	081-388	£40.50	£46.58
25-50mm	1kg	081-389	£61.00	£70.15
50-75mm	1kg	081-390	£68.00	£78.20
75-100mm	1kg	081-391	£76.00	£87.40

VERTICAL DIGITAL SCALES



Size	Weight	Stock Code	Price Ex-Vat	Price Inc-Vat
4"/100mm	0.5kg	081-650	£22.00	£25.30
6"/150mm	0.5kg	081-651	£25.00	£28.75
8"/200mm	0.5kg	081-652	£28.50	£32.78
12"/300mm	1kg	081-653	£44.00	£50.60
16"/400mm	1kg	081-654	£50.50	£58.08

HORIZONTAL DIGITAL SCALES



Size	Weight	Stock Code	Price Ex-Vat	Price Inc-Vat
4"/100mm	0.5kg	081-558	£19.75	£22.71
6"/150mm	0.5kg	081-559	£21.90	£25.19
8"/200mm	0.5kg	081-664	£23.30	£26.80
12"/300mm	0.5kg	081-660	£34.00	£39.10
16"/400mm	1kg	081-661	£39.50	£45.43
18"/450mm	1kg	081-663	£46.50	£53.48
20"/500mm	1.5kg	081-662	£60.50	£69.58

READING HEAD FOR DIGITAL SCALES DIGITAL DIAL GAUGE

Stock Code	Weight	Price ex vat	Price inc vat
081-411	0.25kgs	£25.50	£29.33



Range	Resolution	Stock Code	Weight	Price ex vat	Price Inc vat
0-10mm	0,01mm	081-409	0.25 kg	£61.50	£70.73



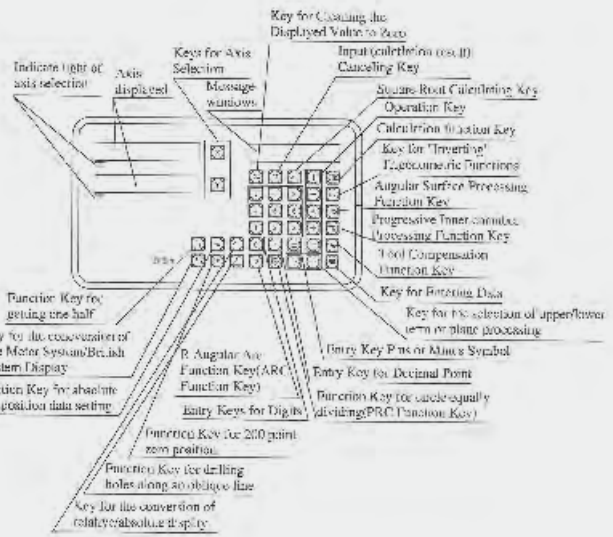
DIGITAL HEIGHT GAUGE



Size	Stock Code	Weight	Price ex vat	Price inc vat
12"/300mm	081-503	2.0 kg	£116.79	£134.30
20"/500mm	081-504	2.5kg	£242.00	£278.30

Spare Battery for Digital scales, Calipers, Micrometers £2.22 ex vat £2.61 inc vat Stock Code 082-152

CHESTER DRO SYSTEMS



Stock Code	Type	Travel
SCA-KA300-170	KA300	170mm
SCA-KA300-220	KA300	220mm
SCA-KA300-270	KA300	270mm
SCA-KA300-370	KA300	370mm
SCA-KA300-420	KA300	420mm
SCA-KA300-470	KA300	470mm
SCA-KA300-500	KA300	500mm
SCA-KA300-520	KA300	520mm
SCA-KA300-570	KA300	570mm
SCA-KA300-620	KA300	620mm
SCA-KA300-670	KA300	670mm
SCA-KA300-720	KA300	720mm
SCA-KA300-820	KA300	820mm
SCA-KA300-870	KA300	870mm
SCA-KA300-920	KA300	920mm
SCA-KA300-970	KA300	970mm
SCA-KA500-120	KA500	120mm
SCA-KA500-170	KA500	170mm
SCA-KA500-220	KA500	220mm
SCA-KA500-320	KA500	320mm
SCA-KA500-370	KA500	370mm
SCA-KA500-470	KA500	470mm
SCA-KA600-1000	KA600	1000mm
SCA-KA600-1100	KA600	1100mm
SCA-KA600-1200	KA600	1200mm
SCA-KA600-1500	KA600	1500mm
SCA-KA600-1600	KA600	1600mm
SCA-KA600-2000	KA600	2000mm
SCA-KA600-3000	KA600	3000mm



The Chester SDS2MS Digital Readout is an advanced system providing a high level of features at a very affordable cost.

Each system provides the user with: Display Unit, 2 Linear Glass Scale Encoders, Fitting Kit and Full User Instruction Manual. For milling there are 2 main models to choose from, either 2 axis or three axis, both with the same functions whilst for lathes there is a 2 axis system. All Display units are interchangeable between different machines making the Chester SDS2MS system extremely versatile. These systems are available to be retrofitted to a wide range of machine tools and applications.

In the modern day engineering workshop accuracy and repeatability have become essential requirements, which can only be enhanced by using the Chester Digital Readout System.

FEATURES

- Metric/ Inch Conversion
- PCD hole positioning on circumference
- Power down memory
- Tool Diameter Compensation
- Power Interruption Memory
- Linear Error Compensation
- Radius Arc Calculation
- Function Calculator
- Inclined Plane Processing
- Progressive processing and calculation of internal cavity of rectangle
- Absolute/relative conversion
- Cutting tool diameter compensation
- Mid-splitting function

LATHE TOOLS

BRAZED CARBIDE LATHE TOOL SETS



5 PC SET



38 PC SET

Shank Size	Stock Code	Weight	Price ex vat	Price inc vat
8mm	030-101	1.0 kg	£11.43	£13.14
10mm	030-102	1.0 kg	£12.00	£13.80

Each set comprises Right Hand Turning and Facing, Left Hand Turning and Facing, Knife Tool, Boring Tool and Parting Tool and is supplied in a plastic box.

Model	Material of tool blade	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	C6	0.5	030-500	£27.51	£31.64
5/16"	C6	1	030-501	£28.96	£33.30
3/8"	C6	1 □ 5	030-502	£30.41	£34.97
1/2"	C6	2	030-503	£46.33	£53.28

LATHE TOOL HOLDERS



Shank	Hand	Toolbit Size	Weight	Stock Code	Price ex vat	Price inc vat
9/16	straight	1/8	0.25 kg	030-301	£7.71	£8.87
9/16	right	1/8	0.25 kg	030-302	£7.71	£8.87
9/16	left	1/8	0.25 kg	030-303	£7.71	£8.87
5/8	straight	3/16	0.50 kg	030-311	£10.25	£11.79
5/8	right	3/16	0.50 kg	030-312	£10.25	£11.79
5/8	left	3/16	0.50 kg	030-313	£10.25	£11.79
3/4	straight	1/4	0.50 kg	030-321	£12.87	£14.80
3/4	right	1/4	0.50 kg	030-322	£12.87	£14.80
3/4	left	1/4	0.50 kg	030-323	£12.87	£14.80

HIGHSPEED TOOL STEEL (SQUARE)

Square	Length	Stock Code	Weight	Price ex vat	Price inc vat
1/8"	2 1/2"	072-104	0.05kg	£1.63	£1.88
3/16"	2 1/2"	072-106	0.05kg	£2.34	£2.69
1/4"	2 1/2"	072-101	0.05kg	£2.67	£3.08
1/4"	6"	072-108	0.10kg	£5.57	£6.41
1/4"	8"	072-105	0.10kg	£6.50	£7.48
5/16"	2 1/2"	072-109	0.05kg	£3.34	£3.84
5/16"	2 1/2"	072-103	0.05kg	£3.34	£3.84
5/16"	8"	072-107	0.10kg	£8.10	£9.31
5/16"	6"	072-110	0.10kg	£6.17	£7.09
3/8"	3"	072-111	0.10kg	£4.68	£5.38
3/8"	4"	072-112	0.10kg	£3.75	£4.41
3/8"	6"	072-113	0.10kg	£4.99	£5.86
1/2"	4"	072-115	0.25kg	£6.20	£7.29

HIGHSPEED TOOL STEEL (ROUND)

Round	Length	Stock Code	Weight	Price ex vat	Price inc vat
1/4"	3"	072-051	0.05kg	£2.53	£2.90
1/4"	4"	072-052	0.05kg	£3.16	£3.63
5/16"	4 1/2"	072-053	0.05kg	£4.61	£5.30
3/8"	5"	072-054	0.10kg	£6.65	£7.65
1/2"	6"	072-057	0.25kg	£10.36	£11.92
5/8"	4"	072-058	0.25kg	£10.14	£11.66

BRAZED CARBIDE LATHE TOOLS

90° Righthand Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-06R0808	0.25 kg	£1.71	£1.97
10x10	L-BC-06R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-06R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-06R1616	1.00 kg	£4.34	£4.99



90° Boring Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-10R0808	0.25 kg	£1.71	£1.97
10x10	L-BC-10R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-10R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-10R1616	1.00 kg	£4.34	£4.99



60° External Threading Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-16R0808-60	0.25 kg	£1.71	£1.97
10x10	L-BC-16R1010-60	0.25 kg	£2.59	£2.98
12x12	L-BC-16R1212-60	0.50 kg	£3.46	£3.98
16x14	L-BC-16R1614-60	1.00 kg	£4.34	£4.99



90° Left Hand Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-06L0808	0.25 kg	£1.71	£1.97
10x10	L-BC-06L1010	0.25 kg	£2.59	£2.98
12x12	L-BC-06L1212	0.50 kg	£3.46	£3.98
16x16	L-BC-06L1616	1.00 kg	£4.34	£4.99



Parting Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-07R0808	0.25 kg	£1.84	£2.12
10x10	L-BC-07R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-07R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-07R1616	1.00 kg	£4.34	£4.99



75° Left Hand Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-14L0808	0.25 kg	£1.71	£1.97
10x10	L-BC-14L1010	0.25 kg	£2.59	£2.98
12x12	L-BC-14L1212	0.50 kg	£3.46	£3.98
16x16	L-BC-14L1616	1.00 kg	£4.34	£4.99



45° Boring Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-11R0808	0.25 kg	£1.71	£1.97
10x10	L-BC-11R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-11R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-11R1616	1.00 kg	£4.34	£4.99



45° Right Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-02R0808	0.25 kg	£1.71	£1.97
10x10	L-BC-02R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-02R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-02R1616	1.00 kg	£4.34	£4.99



45° Left Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-02L0808	0.25 kg	£1.71	£1.97
10x10	L-BC-02L1010	0.25 kg	£2.59	£2.98
12x12	L-BC-02L1212	0.50 kg	£3.46	£3.98
16x16	L-BC-02L1616	1.00 kg	£4.34	£4.99



60° Internal Threading Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-12R0808-60	0.25 kg	£1.71	£1.97
10x10	L-BC-12R1010-60	0.25 kg	£2.59	£2.98
12x12	L-BC-12R1212-60	0.50 kg	£3.46	£3.98
16x16	L-BC-12R1616-60	1.00 kg	£4.34	£4.99



75° Right Turning Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-14R0808	0.25 kg	£1.71	£1.97
10x10	L-BC-14R1010	0.25 kg	£2.59	£2.98
12x12	L-BC-14R1212	0.50 kg	£3.46	£3.98
16x16	L-BC-14R1616	1.00 kg	£4.34	£4.99



55° Internal Threading Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-12R0808-55	0.25 kg	£1.71	£1.97
10x10	L-BC-12R1010-55	0.25 kg	£2.59	£2.98
12x12	L-BC-12R1212-55	0.50 kg	£3.46	£3.98
16x16	L-BC-12R1616-55	1.00 kg	£4.34	£4.99



55° External Threading Tool

Size (mm)	Stock Code	Weight	Price ex vat	Price inc vat
8x8	L-BC-16R0808-55	0.25 kg	£1.71	£1.97
10x10	L-BC-16R1010-55	0.25 kg	£2.59	£2.98
12x12	L-BC-16R1212-55	0.50 kg	£3.46	£3.98
16x14	L-BC-16R1614-55	1.00 kg	£4.34	£4.99



INDEXABLE LATHE TOOLS

95° EXTERNAL TOOLS

Square shank(mm)	Carbide inserts	Stock Code	Price ex vat	Price inc vat
16×16	CNMG0903	031-661	£20.96	£24.10
20×20	CNMG1204	031-662	£22.12	£25.43
25×25	CNMG1204	031-663	£27.83	£32.00



90° EXTERNAL TOOLS

Square shank(mm)	Carbide inserts	Stock Code	Price ex vat	Price inc vat
16×16	TNMG1204	031-658	£22.12	£25.43
20×20	TNMG1204	031-659	£22.12	£25.43
25×25	TNMG1204	031-660	£26.69	£30.69



45° EXTERNAL TOOLS

Square shank(mm)	Carbide inserts	Stock Code	Price ex vat	Price inc vat
16×16	SNMG0903	031-655	£20.59	£23.67
20×20	SNMG1204	031-656	£22.12	£25.43
25×25	SNMG1204	031-657	£27.83	£32.00



EXTERNAL THREAD TOOL HOLDER

Square shank(mm)	Total length	Carbide inserts	Stock Code	Price ex vat	Price inc vat
20×20	125	16ER	031-653	£32.03	£36.83
25×25	150	16ER	031-654	£35.83	£41.21



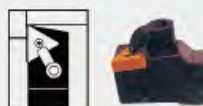
INTERNAL THREAD TOOL HOLDER

Shank dia.	Height	Total length	Carbide inserts	Stock Code	Price ex vat	Price inc vat
20	18	250	16IR	031-651	£33.93	£39.02
25	23	300	16IR	031-652	£35.83	£41.21



MTAN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
1/2"	4"	1/4"	1/8"	031-647	£20.96	£24.10
5/8"	4-1/2"	3/8"	1/8"	031-648	£23.26	£26.74
3/4"	4-1/2"	3/8"	1/8"	031-649	£23.26	£26.74
1"	6"	1/2"	3/16"	031-650	£28.20	£32.43



MTFN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
1/2"	4"	1/4"	1/8"	031-643	£20.96	£24.10
5/8"	4-1/2"	3/8"	1/8"	031-644	£23.26	£26.74
3/4"	4-1/2"	3/8"	1/8"	031-645	£23.26	£26.74
1"	6"	1/2"	3/16"	031-646	£28.20	£32.43



MTGN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
1/2"	4"	1/4"	1/8"	031-639	£20.96	£24.10
5/8"	4-1/2"	3/8"	1/8"	031-640	£23.26	£26.74
3/4"	4-1/2"	3/8"	1/8"	031-641	£23.26	£26.74
1"	6"	1/2"	3/16"	031-642	£28.20	£32.43



MTCNN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
1/2"×1/2"	4"	3/8"	1/8"	031-634	£22.49	£25.86
3/4"×3/4"	4-1/2"	1/2"	3/16"	031-635	£25.16	£28.93
1/2"×1"	6"	3/8"	1/8"	031-636	£26.69	£30.69
3/4"×1"	6"	1/2"	3/16"	031-637	£28.97	£33.31
3/4"×1-1/2"	7"	1/2"	3/16"	031-638	£36.97	£42.52



MTJN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
3/4"	4-1/2"	3/8"	1/8"	031-628	£23.26	£26.74
1"	6"	3/8"	1/8"	031-629	£26.69	£30.69
1"	6"	1/2"	3/16"	031-630	£28.20	£32.43
1"	6"	5/8"	1/4"	031-631	£32.03	£36.83
1-1/4"	6"	1/2"	3/16"	031-632	£36.60	£42.09
1-1/4"	6"	5/8"	1/4"	031-633	£39.27	£45.16



MTENN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
1/2"	4"	1/4"	1/8"	031-624	£20.96	£24.10
5/8"	4-1/2"	3/8"	1/8"	031-625	£23.26	£26.74
3/4"	4-1/2"	3/8"	1/8"	031-626	£23.26	£26.74
1"	6"	1/2"	3/16"	031-627	£28.20	£32.43



MCLN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
3/4"	4-1/2"	1/2"	3/16"	031-618	£24.02	£27.62
1"	6"	1/2"	3/16"	031-619	£27.46	£31.57
1"	6"	5/8"	1/4"	031-620	£29.36	£33.76
1"	6"	3/4"	1/4"	031-621	£30.87	£35.50
1-1/4"	6"	3/4"	1/4"	031-622	£36.97	£42.52
1-1/4"	7"	3/4"	1/4"	031-623	£49.55	£56.98



INDEXABLE LATHE TOOLS

MVJN TYPE TOOL HOLDER

Shank size square	Overall length	Inserts				
		I.C.	T	Stock Code	Price ex vat	Price inc vat
3/4"	4-1/2"	3/8"	3/16"	031-614	£24.02	£27.62
3/4"	4-1/2"	1/2"	3/16"	031-615	£26.30	£30.24
1"	6"	3/8"	3/16"	031-616	£27.83	£32.00
1"	6"	1/2"	3/16"	031-617	£30.12	£34.64



SCLC TOOL HOLDER WITH CCMT INSERT

A SE	C	F	INSERT	Stock Code	Price ex vat	Price inc vat
3/8"	3-1/2"	1/2"	21.5	031-610	£17.54	£20.18
1/2"	4"	5/8"		031-611	£17.92	£20.60
5/8"	4-1/2"	3/4"	32.5	031-612	£19.82	£22.79
3/4"	4-1/2"	1"		031-613	£21.72	£24.98



SDJC TOOL HOLDER WITH DCMT INSERT

A SE	C	F	INSERT	Stock Code	Price ex vat	Price inc vat
3/8"	3-1/2"	1/2"	21.5	031-606	£17.92	£20.60
1/2"	4"	5/8"		031-607	£17.92	£20.60
5/8"	4-1/2"	3/4"	32.5	031-608	£20.21	£23.25
3/4"	4-1/2"	1"		031-609	£22.12	£25.43



SVJBR/L TOOL HOLDER WITH VBMT INSERTS

A SE	C	F	INSERT	Stock Code	Price ex vat	Price inc vat
3/4"	4-1/2"	7/8"	33	031-603	£17.92	£20.60
1"	6"	1-1/4"		031-604	£17.92	£20.60
1-1/4"	6"	1-3/8"		031-605	£20.21	£23.25



SSDCN TOOL HOLDER WITH SCMT INSERTS

A SE	C	INSERT	Stock Code	Price ex vat	Price inc vat	Price inc vat
1/2"	4"	32.5	031-600	£22.88	£26.32	£20.60
5/8"	4-1/2"		031-601	£27.06	£31.12	£20.60
3/4"	4-1/2"		031-602	£31.26	£35.95	£23.25
3/4"	4-1/2"	1"		031-609	£22.12	£25.43



INDEXABLE LATHE TOOL SETS



5PC INDEXABLE CARBIDE TURNING TOOL SET 5PC SPARE CARBIDE TIP SET

Inch size

Shank		Stock Code	Price ex vat	Price inc vat
1/4"	5pcs/set	031-500	£25.94	£29.84
5/16"	5pcs/set	031-501	£26.59	£30.57
3/8"	5pcs/set	031-502	£28.53	£32.81
1/2"	5pcs/set	031-503	£34.76	£39.97
5/8"	5pcs/set	031-504	£38.73	£44.54
3/4"	5pcs/set	031-505	£44.79	£51.51

Inch size

For tool size		Stock Code	Price ex vat	Price inc vat
1/4"	5pcs/set	031-506	£4.86	£5.59
5/16"	5pcs/set	031-507	£4.86	£5.59
3/8"	5pcs/set	031-508	£4.86	£5.59
1/2"	5pcs/set	031-509	£4.86	£5.59
5/8"	5pcs/set	031-510	£4.86	£5.59
3/4"	5pcs/set	031-511	£4.86	£5.59

Metric size

Shank		Stock Code	Price ex vat	Price inc vat
6mm	5pcs/set	031-520	£25.94	£29.84
8mm	5pcs/set	031-521	£26.59	£30.57
10mm	5pcs/set	031-522	£28.53	£32.81
12mm	5pcs/set	031-523	£34.76	£39.97
16mm	5pcs/set	031-524	£38.73	£44.54
20mm	5pcs/set	031-525	£44.79	£51.51

Metric size

For tool size		Stock Code	Price ex vat	Price inc vat
6mm		031-526	£4.86	£5.59
8mm		031-527	£4.86	£5.59
10mm		031-528	£4.86	£5.59
12mm		031-529	£4.86	£5.59
16mm		031-530	£4.86	£5.59
20mm		031-531	£4.86	£5.59

INDEXABLE LATHE TOOL SETS



MULTI PURPOSE INDEXABLE TOOL SET

Metric size set:	Stock Code	Price ex vat	Price inc vat
6mm shank set(7pc/set) in wooden case	031-201	£63.87	£73.45
8mm shank set(7pc/set) in wooden case	031-202	£65.17	£74.95
10mm shank set(7pc/set) in wooden case	031-203	£67.12	£77.18
12mm shank set(7pc/set) in wooden case	031-204	£75.60	£86.94
16mm shank set(7pc/set) in wooden case	031-205	£91.88	£105.67
20mm shank set(7pc/set) in wooden case	031-206	£111.43	£128.15
25mm shank set(9pc/set) in plastic case	031-207	£140.28	£161.32
32mm shank set(9pc/set) in plastic case	031-208	£159.72	£183.68

Inch size set:	Stock Code	Price ex vat	Price inc vat
1/4" shank set(7pc/set) in wooden case	031-210	£63.87	£73.45
3/8" shank set(7pc/set) in wooden case	031-211	£65.17	£74.95
1/2" shank set(7pc/set) in wooden case	031-212	£67.12	£77.18
5/8" shank set(7pc/set) in wooden case	031-213	£75.60	£86.94
3/4" shank set(7pc/set) in wooden case	031-214	£91.88	£105.67
1" shank set(9pc/set) in wooden case	031-215	£111.43	£128.15
25mm shank set(9pc/set) in plastic case	031-207	£140.28	£161.32
32mm shank set(9pc/set) in plastic case	031-208	£159.72	£183.68

HIGH SPEED STEEL LATHE TOOL SETS

	6mm	8mm	3/8"
Number of pieces per set	8	8	8
Weight	0.5kgs	0.5kgs	0.5kgs
Stock Code	030-104	030-105	030-106
Price ex VAT	£23.00	£26.00	£39.00
Price inc VAT	£26.45	£29.90	£44.85

Set consists of different HSS lathe tools for turning and facing work on lathes

These tools can be used for machining steel,brass,plastic,aluminium and wood

The main advantage is that HSS tools can be easily sharpened by standard grinding wheels



LATHE TOOL GRINDER LTG125



These Lathe Tool Grinders are equipped with Diamond Grinding Wheels. They are suitable for grinding High Speed Steel, Carbide, Coated Carbide, and Ceramic lathe tools. Each grinding wheel is balanced before assembly.

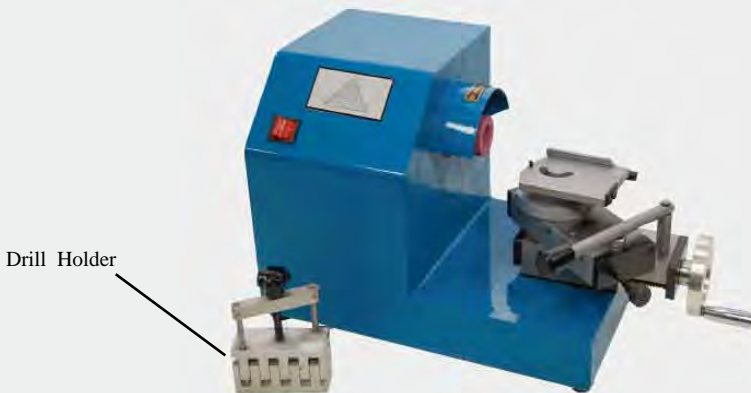


LATHE TOOL GRINDER



These Lathe Tool Grinders are equipped with Diamond Grinding Wheels. They are suitable for grinding High Speed Steel, Carbide, Coated Carbide, and Ceramic lathe tools. Each grinding wheel is balanced before assembly.

DRILL GRINDER DCS20



DRILL GRINDER DCS21



This Drill Grinder Sharpener is suitable for sharpening drills along both the main cutting edge and the chisel edge to high degree of accuracy.

SPECIFICATION

Model	LTG125
Grinding Wheel Size	125 x 16 x 25mm
Spindle Speed	2800rpm
Lathe Tool Front Angle	90° - 180°
Relief Angle	0° - 15°
Worktable vertical Angle	±20°
Angle of Location Block	±70°
Grinding Range	Square Lathe Tool
Motor Speed	2800rpm
Motor Power	250w
Voltage	240v
Stock Code	GRI-LTG125
Price ex vat	£255.00
Price inc vat	£299.63

SPECIFICATION

Model	LTG150
Grinding Wheel Size	150mm
Front Angle of Wheel	30°
Worktable	133 x 280mm
Position Block Angle	±70°
Worktable Vertical Angle	-10° - 25°
Horizontal Travel	80mm
Grinding Range	Square Lathe Tool and round lathe tool within 28mm
Motor Speed	1400rpm
Motor Power	250w
Voltage	240v
Stock Code	GRI-LTG150
Price ex vat	£255.00
Price inc vat	£299.63

SPECIFICATION

Model	DCS20
Grinding Wheel Size	CBN Wheel or WA wheel
Spindle Speed	10,00rpm
Grinding Diameter Range	0.5 - 20mm diameter
Wheel Centre Height	126mm
Swivel Base Angle Increments	0.5°
Symmetry of Lock Block Clamping Drill	0.1mm
Grinding Taper Range	118° - 150°
Motor Speed	10,00rpm
Motor Power	0.25Kw
Voltage	240v
Weight	18kgs
Stock Code	GRI-DCS20
Price ex vat	£255.00
Price inc vat	£299.63

SPECIFICATION

Model	DCS21
Grinding Wheel Size	50mm
Standard Wheel	180°
Drill Type	Two Flute HSS, Cobalt Carbide metric Twist Drills
Drill Point	Standard Conic and Split Point
Split Point	Standard X split
Point Angles	118° - 150°
Drill Diameter	3 - 21mm
Motor Speed	10,000rpm
Motor Power	250w
Voltage	240v
Stock Code	GRI-DCS21
Price ex vat	£720.00
Price inc vat	£846.00

PARTING TOOL - HSS



Each parting tool is supplied with HSS blade and spanner.

Shank Size	Blade Size	Stock Code	Weight	Price ex vat	Price inc vat
9/16"	5/16" x 1/16"	007-101	0.25 kg	£11.85	£13.63
3/4"	1/2" x 3/32"	007-102	0.25 kg	£13.34	£15.34
Spare Blades	5/16" x 1/6"	007-201	0.05 kg	£5.10	£5.87
	1/2" x 3/32"	007-202	0.05 kg	£7.16	£8.23

KNURLING TOOLS -DOUBLE



Shank	Length	Stock Code	Weight	Price ex vat	Price inc vat
1/2"	4"	008-201	0.5 kg	£10.50	£12.08
3/4"	5"	008-202	0.5 kg	£11.50	£13.23
7/8"	5"	008-203	0.5 kg	£12.59	£14.48
1 1/8"	6"	008-204	0.5 kg	£16.00	£18.40
1 3/8"		008-205	0.5 kg	£18.00	£20.70

KNURLING TOOLS -SINGLE



Shank	Length	Stock Code	Weight	Price ex vat	Price inc vat
1/2"	4"	008-001	0.25 kg	£5.75	£6.61
5/8"	6"	008-002	0.25 kg	£8.25	£9.49
3/4"	4"	008-003	0.50 kg	£10.50	£12.08

SCISSORS KNURLER



Stock Code	Price ex vat	Price inc
008-300	£18.00 vat	£20.70

Each Tool comes supplied with 3 sets of Wheels: 0.8mm(fine), 1.2mm(medium), 1.8(coarse)mm. Capacity of Knurler is 50mm.

SLITTING SAW ARBOR



Shank	Blade Bore Size	Stock Code	Weight	Price ex Vat	Price inc vat
1/2"	1/2, 5/8, 3/4, 7/8, 1"	060-001	0.5kgs	£8.94	£10.28

These versatile simple arbors will hold saw blades with a centre diameter of 1/2" to 1". They have a 1/2" parallel shank and come supplied with allen key.

SLITTING SAW BLADES



Dia:	Width	Bore	Teeth	Stock Code	Price ex vat	Price inc vat
2 1/2"	1/32"	1"	62	073 - 506	£6.08	£6.99
2 1/2"	1/16"	1"	62	073 - 508	£7.18	£8.26
2 1/2"	3/32"	1"	62	073 - 510	£8.65	£9.95
2 1/2"	1/8"	1"	62	073 - 512	£10.10	£11.62
3"	1/16"	1"	74	073 - 514	£9.35	£10.75
3"	3/32"	1"	74	073 - 518	£10.76	£12.37
3"	1/8"	1"	74	073 - 520	£12.51	£14.39
3"	1/4"	1"	74	073 - 522	£23.57	£27.11
4"	1/32"	1"	100	073 - 524	£10.52	£12.10
4"	1/16"	1"	100	073 - 526	£11.30	£13.00
4"	1/8"	1"	100	073 - 528	£16.95	£19.49
4"	1/4"	1"	100	073 - 530	£33.95	£39.04

END MILL SETS - threaded shank



Model	Sizes	Stock Code	Weight	Price ex vat	Price inc vat
End Mill 5 Piece	2,3,4,5,6mm	074-104	0.5kgs	£13.50	£15.53
End Mill 6 Piece	2,4,6,8,10,12mm	074-105	0.5kgs	£21.60	£24.84



	Sizes	Stock Code	Weight	Price ex vat	Price inc vat
Slot Drill	3,4,5,6,8,10,12,14,16,20mm	074-103	2.5kgs	£70.00	£80.50
End Mill	3,4,5,6,8,10,12,14,16,20mm				

STRAIGHT SHANK TWIST DRILLS



PLAINSHANKDRILLS-IMPERIAL PLAINSHANKDRILLS-METRIC

Size	Stock Code	Price ex vat	Price inc vat
1/16"	077-104	£0.85	£0.98
5/64"	077-105	£0.85	£0.98
3/32"	077-106	£0.72	£0.83
7/64"	077-107	£0.72	£0.83
1/8"	077-108	£0.72	£0.83
9/64"	077-109	£0.43	£0.49
5/32"	077-110	£0.45	£0.52
1/64"	077-111	£0.50	£0.58
3/16"	077-112	£0.65	£0.75
13/64"	077-113	£0.61	£0.70
7/32"	077-114	£0.69	£0.79
15/64"	077-115	£0.74	£0.85
1/4"	077-116	£0.76	£0.87
7/64"	077-117	£0.89	£1.02
9/32"	077-118	£0.97	£1.12
19/64"	077-119	£1.14	£1.31
5/16"	077-120	£1.17	£1.35
21/64"	077-121	£1.28	£1.47
11/32"	077-122	£1.47	£1.69
23/64"	077-123	£1.83	£2.10
3/8"	077-124	£1.64	£1.89
25/64"	077-125	£1.76	£2.02
13/32"	077-126	£1.86	£2.14
27/64"	077-127	£2.10	£2.42
7/16"	077-128	£2.19	£2.52
29/64"	077-129	£2.34	£2.69
15/32"	077-130	£2.37	£2.73
31/64"	077-131	£2.45	£2.82
1/2"	077-132	£2.45	£2.82

Size	Stock Code	Price ex vat	Price inc vat
1.0mm	078-115	£0.88	£1.01
1.5mm	078-116	£0.85	£0.98
2.0mm	078-117	£0.83	£0.95
2.5mm	078-118	£0.72	£0.83
3.0mm	078-119	£0.72	£0.83
3.2mm	078-120	£0.41	£0.47
3.25mm	078-121	£0.41	£0.47
3.3mm	078-122	£0.41	£0.47
3.5mm	078-123	£0.41	£0.47
3.8mm	078124	£0.47	£0.54
4.0mm	078-125	£0.46	£0.53
4.2mm	078-126	£0.47	£0.54
4.5mm	078-127	£0.46	£0.53
5.0mm	078-128	£0.55	£0.63
5.5mm	078-129	£0.65	£0.75
6.0mm	078-130	£0.75	£0.86
6.5mm	078-131	£0.76	£0.87
6.8mm	078-132	£0.97	£1.12
7.0mm	078-133	£0.97	£1.12
7.5mm	078-134	£1.06	£1.22
8.0mm	078-135	£1.17	£1.35
8.5mm	078-136	£1.28	£1.47
9.0mm	078-137	£1.47	£1.69
9.5mm	078-138	£1.64	£1.89
10.0mm	078-139	£1.76	£2.02
10.2mm	078-140	£1.99	£2.29
10.5mm	078-141	£1.99	£2.29
11.0mm	078-142	£2.10	£2.42
11.5mm	078-143	£2.31	£2.66
12.0mm	078-144	£2.39	£2.75
12.5mm	078-145	£2.56	£2.94

END MILL SETS



Sizes	Stock	Weight	Price ex vat	Price inc vat
2,3,4,5,6mm	074-102	0.125kg	£21.85	£25.13
4,6,8,10,12mm	074-101	0.125kg	£26.16	£30.08
1/16",3/32",3/16",1/8",1/4"	073-102	0.125kg	£21.85	£25.13
1/8",1/4",5/16",3/8",1/2"	073-101	0.125kg	£26.16	£30.08

These are HSS four fluted coated end mills which have a plain shank and are suitable for working in cast iron, brass or mild steel.

BALL NOSE SLOT DRILLS



Size(mm)	Stock Code	Price ex vat	Price inc vat
3	076-303	£15.40	£17.71
4	076-304	£15.40	£17.71
5	076-305	£15.40	£17.71
6	076-306	£15.40	£17.71
8	076-308	£14.29	£16.43
10	076-310	£16.33	£18.78
12	076-312	£19.04	£21.90

CENTRE DRILLS



Model	Size (")	Stock Code	Price ex vat	Price inc vat
BS1	1/8	077-201	£1.75	£2.01
BS2	3/16	077-202	£2.10	£2.42
BS3	1/4	077-203	£2.54	£2.92
BS4	5/16	077-204	£2.95	£3.39
BS5	7/16	077-205	£4.85	£5.58
BS6	5/8	077-206	£17.50	£20.13

DEBURRING TOOLS



Angle (degrees)	Stock Code	Weight	Price ex vat	Price inc vat
82	079-002	0.5kg	£27.14	£31.21
60	079-003	0.5kg	£28.57	£32.86
90	079-004	0.5kg	£28.57	£32.86



HSS - SLOT DRILLS



IMPERIAL SLOT DRILLS

Cutter Dia: (inch)	Shank Dia: (inch)	Cutter Length (inch)	Overall Length (inch)	Weight	Stock Code	Price ex vat	Price inc vat
1/16	1/4	3/32	1 29/32	0.025kg	075 - 001	£10.64	£12.24
3/32	1/4	3/16	2	0.025kg	075 - 003	£10.64	£12.24
1/8	1/4	1/4	2	0.025kg	075 - 005	£9.48	£10.90
5/32	1/4	3/8	2 1/16	0.025kg	075 - 007	£10.11	£11.63
3/16	1/4	3/8	2 1/16	0.025kg	075 - 009	£9.48	£10.90
7/32	1/4	7/16	2 3/16	0.025kg	075 - 011	£10.11	£11.63
1/4	1/4	7/16	2 7/32	0.025kg	075 - 013	£9.48	£10.90
9/32	3/8	7/16	2 5/16	0.025kg	075 - 015	£10.79	£12.41
5/16	3/8	1/2	2 11/16	0.025kg	075 - 017	£8.84	£10.17
11/32	3/8	9/16	2 3/8	0.025kg	075 - 019	£12.00	£13.80
3/8	3/8	9/16	2 3/8	0.025kg	075 - 021	£8.58	£9.87
13/32	3/8	5/8	2 3/8	0.025kg	075 - 023	£14.37	£16.53
7/16	1/2	11/16	2 9/16	0.025kg	075 - 025	£10.79	£12.41
15/32	1/2	11/16	2 9/16	0.025kg	075 - 027	£15.58	£17.92
1/2	1/2	3/4	2 5/8	0.025kg	075 - 029	£9.48	£10.90
17/32	1/2	7/8	2 11/16	0.025kg	075 - 030	£17.61	£20.25
9/16	1/2	27/32	2 23/32	0.025kg	075 - 031	£12.50	£14.38
5/8	5/8	7/8	2 27/32	0.025kg	075 - 033	£12.69	£14.59
11/16	5/8	15/16	2 29/32	0.025kg	075 - 035	£18.37	£21.13
3/4	5/8	1	3 1/32	0.025kg	075 - 037	£15.53	£17.86
7/8	1	1	3 15/16	0.025kg	075 - 039	£31.04	£35.70
1	1	1 1/16	3 3/4	0.025kg	075 - 041	£30.44	£35.01
1 1/8	1	1 3/16	3 3/4	0.025kg	075 - 043	£46.76	£53.77
1 3/8	1	1 9/16	4	0.025kg	075 - 045	£89.28	£102.67
1 1/2	1	1 11/16	4 11/16	0.025kg	075 - 046	£82.50	£94.88
1 3/4	1	2	4 9/16	0.025kg	075 - 048	£122.45	£140.82
2	1	2 3/4	4 13/16	0.025kg	075 - 050	£175.18	£201.46

METRIC SLOT DRILLS

Cutter Dia:	Shank Dia:	Cutter Length (mm)	Overall Length (mm)	Weight	Stock Code	Price ex vat	Price inc vat
1.5	6	2.5	48.5	0.025kg	076 - 001	£11.90	£13.69
2	6	3	49	0.025kg	076 - 002	£9.11	£10.48
2.5	6	4.5	51	0.025kg	076 - 003	£10.79	£12.41
3	6	7	54	0.025kg	076 - 004	£8.21	£9.44
3.5	6	7.5	52.5	0.025kg	076 - 005	£10.79	£12.41
4	6	9.5	52.5	0.025kg	076 - 006	£8.21	£9.44
4.5	6	9.5	52.5	0.025kg	076 - 007	£10.79	£12.41
5	6	9.5	52.5	0.025kg	076 - 008	£8.21	£9.44
5.5	6	11	55.5	0.025kg	076 - 009	£10.79	£12.41
6	6	11	56.5	0.025kg	076 - 010	£8.21	£9.44
6.5	10	11	58.5	0.025kg	076 - 011	£10.55	£12.13
7	10	11	58.5	0.025kg	076 - 012	£8.85	£10.18
7.5	10	11	58.5	0.025kg	076 - 013	£12.67	£14.57
8	10	12.5	59.5	0.025kg	076 - 014	£7.82	£8.99
8.5	10	14.5	60.5	0.025kg	076 - 015	£12.50	£14.38
9	10	14.5	60.5	0.025kg	076 - 016	£9.69	£11.14
9.5	10	14.5	60.5	0.025kg	076 - 017	£13.61	£15.65
10	10	14.5	60.5	0.025kg	076 - 018	£8.50	£9.78
11	12	17.5	65	0.025kg	076 - 020	£10.72	£12.33
11.5	12	17.5	65	0.025kg	076 - 021	£15.58	£17.92
12	12	19	66.5	0.025kg	076 - 022	£8.97	£10.32
13	12	19	66.5	0.025kg	076 - 023	£12.84	£14.77
14	12	22	68.5	0.025kg	076 - 024	£12.08	£13.89
15	16	22	72	0.025kg	076 - 025	£11.58	£13.32
16	16	22	72	0.025kg	076 - 026	£12.03	£13.83
17	16	24	74	0.025kg	076 - 047	£19.22	£22.10
18	16	24	74	0.025kg	076 - 048	£15.90	£18.29
19	16	25.5	77	0.025kg	076 - 028	£22.78	£26.20
20	16	25.5	77	0.025kg	076 - 029	£14.42	£16.58
25	20	27	95	0.025kg	076 - 030	£30.44	£35.01
26	25	27	95	0.025kg	076 - 035	£45.49	£52.31
28	25	30	95	0.025kg	076 - 036	£47.62	£54.76
30	25	30	93.5	0.025kg	076 - 040	£46.76	£53.77
40	25	46	111	0.025kg	076 - 046	£100.33	£115.38

HSS END MILLS

METRIC END MILLS

Cutter Dia:	Shank Dia:	Cutter Length (mm)	Overall Length	Weight	Stock Code	Price ex vat	Price inc vat
2	6	3	49	0.025kg	074 - 001	£13.51	£15.54
2.5	6	6.5	51	0.025kg	074 - 002	£15.04	£17.30
3	6	9.8	54	0.025kg	074 - 003	£8.21	£9.44
3.5	6	12.5	57	0.025kg	074 - 004	£14.37	£16.53
4	6	12.5	57	0.025kg	074 - 005	£8.21	£9.44
4.5	6	12.5	57	0.025kg	074 - 006	£14.37	£16.53
5	6	16	60.5	0.025kg	074 - 007	£8.21	£9.44
5.5	6	16	60.5	0.025kg	074 - 008	£14.37	£16.53
6	6	16	60.5	0.025kg	074 - 009	£8.21	£9.44
6.5	10	16	60.5	0.025kg	074 - 010	£11.40	£13.11
7	10	16	60.5	0.025kg	074 - 011	£8.76	£10.07
7.5	10	18	63.5	0.025kg	074 - 012	£12.26	£14.10
8	10	21	63.5	0.025kg	074 - 013	£7.35	£8.45
9	10	21	66.5	0.025kg	074 - 014	£12.40	£14.26
9.5	10	21	66.5	0.025kg	074 - 015	£9.26	£10.65
10	10	21	66.5	0.025kg	074 - 016	£12.58	£14.47
10	10	21	66.5	0.025kg	074 - 017	£7.35	£8.45
11	12	19	66.5	0.025kg	074 - 019	£10.72	£12.33
12	12	24	70	0.025kg	074 - 021	£9.35	£10.75
13	12	24.5	70	0.025kg	074 - 022	£12.50	£14.38
14	12	28.5	73	0.025kg	074 - 023	£12.08	£13.89
15	16	26.6	77	0.025kg	074 - 024	£15.58	£17.92
16	16	26.5	77	0.025kg	074 - 025	£12.74	£14.65
17	16	32	80	0.025kg	074 - 026	£23.04	£26.50
18	16	35	80	0.025kg	074 - 027	£16.40	£18.86
19	16	38	83.5	0.025kg	074 - 028	£24.33	£27.98
20	20	38	83.5	0.025kg	074 - 029	£16.56	£19.04
25	25	44.5	101.5	0.025kg	074 - 034	£32.57	£37.46
26	25	43	101.5	0.025kg	074 - 035	£63.77	£73.34
28	25	46	104.5	0.025kg	074 - 036	£56.55	£65.03
40	25	55.5	117.5	0.025kg	074 - 043	£102.89	£118.32

IMPERIAL END MILLS

Cutter Dia. Length	Shank Length	Cutter Length	Overall Length	Weight	Stock Code	Price inc vat	Price ex vat
1/16	1/4	3/32	1 29/32	0.025kg	073-001	£16.66	£19.16
3/32	1/4	1/4	2	0.025kg	073-002	£10.97	£12.62
1/8	1/4	3/8	2 1/8	0.025kg	073-003	£9.26	£10.65
5/32	1/4	1/2	2 1/4	0.025kg	073-004	£10.28	£11.82
3/16	1/4	1/2	2 1/4	0.025kg	073-005	£8.37	£9.63
7/32	1/4	5/8	2 3/8	0.025kg	073-006	£14.29	£16.43
1/4	1/4	5/8	2 3/8	0.025kg	073-007	£8.37	£9.63
9/32	3/8	19/32	2 3/8	0.025kg	073-008	£13.11	£15.08
5/16	3/8	23/32	2 1/2	0.025kg	073-009	£8.13	£9.35
11/32	3/8	27/32	2 5/8	0.025kg	073-010	£13.11	£15.08
3/8	3/8	27/32	2 5/8	0.025kg	073-011	£7.29	£8.38
7/16	1/2	3/4	2 5/8	0.025kg	073-013	£12.93	£14.87
1/2	1/2	15/16	2 3/4	0.025kg	073-015	£9.13	£10.50
9/16	1/2	1 1/8	2 7/8	0.025kg	073-017	£14.19	£16.32
5/8	5/8	1 1/16	3 1/32	0.025kg	073-019	£14.11	£16.23
11/16	5/8	1 3/8	3 5/32	0.025kg	073-021	£25.01	£28.76
3/4	5/8	1 1/2	3 9/32	0.025kg	073-023	£16.48	£18.95
7/8	1	1 5/8	3 7/8	0.025kg	073-026	£42.94	£49.38
1	1	1 11/16	4	0.025kg	073-028	£32.30	£37.15
1 1/4	1	1 15/16	4 1/4	0.025kg	073-030	£63.36	£72.86
3/8	1	2 1/16	4 3/8	0.025kg	073-031	£102.89	£118.32
1 1/2	1	2 3/16	4 1/2	0.025kg	073-032	£86.74	£99.75
1 3/4	1	2 1/2	4 3/4	0.025kg	073-033	£154.77	£177.99
2	1	2 3/4	5	0.025kg	073-034	£172.62	£198.51



FLYCUTTER SET 1/2"



Supplied with Tool Steel

Diameter	Shank Size	Tool Size	Stock Code	Weight	Price ex vat	Price inc vat
19mm	1/2"	3/16"				
28mm	1/2"	5/16"	033-101	0.5kg	£13.19	£15.17
38mm	1/2"	1/4"				

Spare Toolbits

		3/16"	072-106		£1.259	£1.45
		5/16"	072-103		£2.32	£2.67
		1/4"	072-101		£1.65	£1.90

CORNER ROUNDING CUTTERS



Diameter	Radius	Stock Code	Price ex vat	Price inc vat
1/2	1/8	079-031	£19.91	£22.90
5/8	1/4	079-032	£28.79	£33.11

'T' SLOT CUTTERS



Diameter	'T' Slot Application	Stock Code	Price ex vat	Price inc vat
12.5mm	6mm	079-041	£26.11	£30.03
16mm	8mm	079-042	£32.57	£37.46
18mm	10mm	079-043	£38.26	£44.00
21mm	12mm	079-044	£45.49	£52.31
25mm	14mm	079-045	£51.45	£59.17
28mm	16mm	079-046	£58.66	£67.46
37/64	1/4	079-051	£34.01	£39.11
45/64	5/16	079-052	£38.52	£44.30
53/64	3/8	079-053	£45.91	£52.80
61/64	7/16	079-054	£59.10	£67.97
1 5/64	1/2	079-055	£59.10	£67.97
1 21/64	5/8	079-056	£94.40	£108.56

DOVETAIL CUTTERS



Max cutter size	Angle	Stock Code	Price ex vat	Price inc vat
1/2	60 degree	079-021	£19.45	£22.37
3/4	60 degree	079-022	£25.95	£29.84
3/4	45 degree	079-023	£28.00	£32.20

FACE MILL CUTTER



Cutting Diameter	Shank	Stock Code	Weight	Price ex vat	Price inc vat
53mm	MT2	029-101	1.00 kg	£30.70	£35.31
53mm	MT3	029-102	1.00 kg	£30.70	£35.31
Spare Inserts		029.103	0.01 kg	£4.29	£4.93

Each face mill cutter has three inserts, which in turn each have four cutting faces. They come supplied with either MT2 or MT3 shank and will machine an area of up to 53mm.

SPECIAL OFFER - Face Mill Cutter + 3 Spare inserts £38.00 inc vat

BANDSAW BLADES



Blade Size	Chester Machine	Stock Code	Weight	Price ex vat	Price inc vat
1/2" x 1300mm x 14tpi Carbon	H80	BAN-B-026	0.25kg	£8.47	£9.74
1/2" x 1300mm x 18tpi Carbon	H80	BAN-B-029	0.25kg	£8.47	£9.74
1/2" x 64 1/2" x 0.025" x 10tpi Carbon	H110/H128	BAN-B-003	0.25kg	£8.47	£9.74
1/2" x 64 1/2" x 0.025" x 12tpi Carbon	H110/H128	BAN-B-014	0.25kg	£8.47	£9.74
1/2" x 64 1/2" x 0.025" x 14tpi Carbon	H110/H128	BAN-B-004	0.25kg	£8.47	£9.74
1/2" x 64 1/2" x 0.025" x 18tpi Carbon	H110/H128	BAN-B-005	0.25kg	£8.47	£9.74
3/4" x 93" x 0.032" x 8tpi Carbon	812	BAN-B-006	0.5kg	£21.00	£24.15
3/4" x 93" x 0.032" x 18tpi Carbon	812	BAN-B-008	0.5kg	£21.00	£24.15

CENTRE PUNCHES - SET OF 5



Stock Code	Weight	Price ex vat	Price inc vat
500-100	0.5kg	£4.64	£5.34

PIN PUNCH SET



Set	Stock Code	Weight	Price ex vat	Price inc vat
5-8"	500-230	1.0kg	£8.32	£9.57

CENTRE FINDER SET



Stock Code	Weight	Price ex vat	Price inc vat
500-421	0.25kg	£8.76	£10.07

ENGINEERS SCRAPERS

Type	Stock Code	Weight	Price ex vat	Price inc vat
Flat	500-011	0.5kg	£4.02	£4.62
Half Round	500-012	0.5kg	£4.02	£4.62
Triangular	500-013	0.5kg	£4.02	£4.62



EDGE AND CENTRE FINDER



Stock Code	Weight	Price ex vat	Price inc vat
500-403	0.25kg	£7.42	£8.53

EDGE FINDER



Stock Code	Weight	Price ex vat	Price inc vat
500-401	0.25kg	£7.42	£8.53

CENTRE FINDER



Stock Code	Weight	Price ex vat	Price inc vat
500-402	0.25kg	£7.42	£8.53

TRANSFER PUNCHES



1 - 13mm



Number 1 - 60



Letters A - Z



1/2" - 1"



3/32 - 1/2"

Transfer Punches are used to align the hole in a piece of work below the workpiece already drilled. Ideal in situations where repeat work is required.

No. of Pieces		Stock Code	Weight	Price ex vat	Price inc vat
25	1-13mm x 0.5mm	500-211	1.5kg	£12.40	£14.26
26	Letters A-Z	500-212	1.5kg	£13.40	£15.41
28	3/32"-1/2" x 64ths	500-213	1.5kg	£15.50	£17.83
33	1/2"-1" x 64ths	500-214	10.0kg	£46.35	£53.30
60	Numbers 1-60	500-215	1.0kg	£16.50	£18.98

ELECTRICAL

PLUGS AND SOCKETS



Description	Product Code	Weight	Price ex vat	Price inc vat
Red 16amp 3P+E Trailing Plug	028-701	0.25kg	£5.34	£6.14
Red 16amp 3P+E Trailing Socket	028-703	0.25kg	£10.45	£12.02
Red 16amp 3P+E Panel Socket	028-704	0.25kg	£12.85	£14.78
Red 16amp 3P+E Surface Socket	028-705	0.25kg	£15.50	£17.83
Red 16amp 3P/N/E Trailing Plug	028-706	0.25kg	£6.47	£7.44
Red 32amp 3P/N/E Trailing Plug	028-707	0.50kg	£10.25	£11.79
Blue 16amp 2P+E Trailing Plug	028-711	0.25kg	£3.30	£3.80
Blue 16amp 2P+E Surface Plug	028-712	0.25kg	£7.83	£9.00
Blue 16amp 2P+E Trailing Socket	028-713	0.25kg	£6.78	£7.80
Blue 16amp 2P+E Panel Socket	028-714	0.25kg	£7.00	£8.05
32 amp 3P/N/E Panel Socket	028-715	0.25kg	£11.98	£13.78
16 amp 3P/N/E Panel Socket	028-720	0.25kg	£8.89	£10.22
Red 32amp 3P/E Plug	028-716	0.50kg	£8.50	£9.78
Blue 16amp 2P+E Surface Socket	028-717	0.25kg	£8.89	£10.22
3 P+E Surface Plug	028-718	0.25kg	£8.73	£10.04
2 P+E 110V Trailing Plug	028-719	0.25kg	£3.86	£4.44

HEAVY DUTY STARTER



complete with thermal overload

Voltage	Stock Code	Weight	Price ex vat	Price inc vat
240V	028-103	1.0 kg	£24.21	£27.84
415V	028-104	1.0 kg	£24.21	£27.84

N.V.R. SWITCH



complete with Forward Reverse Switch

Voltage	Stock Code	Weight	Price ex vat	Price inc vat
240V	028-201	0.5kg	£13.91	£16.00
415V	028-202	0.5kg	£13.91	£16.00

INVERTERS



Size (Kw)	Motor Size (H.P.)	Stock Code	Weight	Price ex vat	Price Inc vat
0.4kW	1/2	070-100	1.3kgs	£187.50	£215.63
0.55kW	3/4	070-101	1.5kgs	£197.50	£227.13
0.75kW	1	070-102	1.5kgs	£217.50	£250.13
1.1kW	1 1/2	070-104	2.2kgs	£247.50	£284.05
1.5kW	2	070-103	2.5kgs	£285.00	£327.75
2.2kW	3	070-105	2.5kgs	£315.00	£362.25
3.7kW	5	070-106	3.5kgs	£457.32	£525.92

MULTIMETERS



201 Clamp Meter



MY64L



MY99L



DT8300D



EC5318B

Model	Weight	Stock Code	Price ex vat	Price inc vat
DT8300D	0.25kg	MUL-MET-DT830D	£7.73	£8.89
MY 64L	0.25kg	MUL-MET-MY64L	£30.90	£35.54
201 Clamp Meter	0.25kg	MUL-MET-201C	£31.93	£36.72
EC5318b	0.25kg	MUL-MET-EC5318B	£14.42	£16.58
MY 99L	0.25kg	MUL-MET-MY99L	£45.06	£51.82

LAMPS



LAMP 01



LAMP 02



LAMP 03



LAMP 04



LAMP 05



LAMP 06



LAMP 07



LAMP 10

LAMPS

Model	Weight	Stock Code	Price ex vat	Price inc vat
Short-arm Lamp 24v	2 KGS	LAMP-001	£36.00	£41.40
Flexi-arm Lamp mag/steel base c/w transformer	2.5 KGS	LAMP-002	£28.85	£33.18
Flexi-arm lamp screw type steel base c/w transformer	2.5 KGS	LAMP-003	£28.85	£33.18
Medium-arm Lamp c/w transformer	3.5 KGS	LAMP-004	£66.95	£76.99
H/D-Flexi-arm Lamp screw type c/w transformer	3.5 KGS	LAMP-005	£46.35	£53.30
H/D-Flexi-arm Lamp mag/steel base c/w transformer	3.5 KGS	LAMP-006	£46.35	£53.30
Long-arm Lamp 24v	3.5 KGS	LAMP-007	£66.95	£76.99
Fluorescent Magnifying Lamp	5 KGS	LAMP-010	£34.20	£39.33

SPARE BULBS

Model	Weight	Stock Code	Price ex vat	Price inc vat
LAMP-001	0.05kg	LAMP-BULB-001	£6.70	£7.71
LAMP-002	0.05kg	LAMP-BULB-002	£6.70	£7.71
LAMP-003	0.05kg	LAMP-BULB-003	£6.70	£7.71
LAMP-004	0.05kg	LAMP-BULB-004	£6.70	£7.71
LAMP-005	0.05kg	LAMP-BULB-005	£6.70	£7.71
LAMP-006	0.05kg	LAMP-BULB-006	£6.70	£7.71
LAMP-007	0.05kg	LAMP-BULB-007	£6.70	£7.71

MOTORS



THREE PHASE MOTORS

H.P.	Power	Pole	Speed	Frame	Shaft	Mounting	Weight	Stock Code	Price ex vat	Price inc vat
0.50	0.37kw	6	1400rpm	70	17mm	Foot	7kg	MOT-415FT-0.37	£108.34	£124.59
0.50	0.37kw	6	1400rpm	70	17mm	Flange	7kg	MOT-415FL-0.37	£108.34	£124.59
0.75	0.55kw	6	1400rpm	80	19mm	Foot	10kg	MOT-415FT-0.55	£116.27	£133.71
1.00	0.75kw	6	1400rpm	80	19mm	Flange	10kg	MOT-415FL-0.75	£143.08	£164.54
1.50	1.10kw	6	1400rpm	90	24mm	Foot	16kg	MOT-415FT-1.1	£162.64	£187.04
2.00	1.50kw	6	1400rpm	90	24mm	Foot	16kg	MOT-415FT-1.5	£202.91	£233.34



SINGLE PHASE MOTORS

H.P.	Power	Pole	Speed	Frame	Shaft	Mounting	Weight	Stock Code	Price ex vat	Price inc vat
0.50	0.37kw	4	1400rpm	70	17mm	Foot	7kg	MOT-240FT-0.37	£91.93	£105.72
0.50	0.37kw	4	1400rpm	70	17mm	Flange	7kg	MOT-240FL-0.37S	£91.93	£105.72
0.75	0.55kw	4	1400rpm	80	19mm	Foot	9.5kg	MOT-240FT-0.55	£107.04	£123.09
1.50	1.1kw	4	1400rpm	90	24mm	Foot	13.5kg	MOT-240FT-1.1	£162.02	£186.32
2.00	1.5kw	4	1400rpm	90	24mm	Foot	17kg	MOT-240FT-1.5	£158.85	£182.68



GRINDING WHEELS



Model	Dia.	Bore	Width	Stock Code	Price ex vat	Price inc vat
6" Coarse	150mm	20mm	25mm	GRI-WHEEL-6C	£18.03	£20.73
6" Fine	150mm	20mm	25mm	GRI-WHEEL-6F	£18.03	£20.73

All grinding wheels are suitable for the Chester/Brierley range of grinders

GRINDING WHEELS DRESSERS



Model	Dia.	Face	Stock Code	Price ex vat	Price inc vat
No. 0 Dresser	up to 250mm	50mm	GRI-DRE-0	£9.79	£11.26
No.1 Dresser	250-406mm	75mm	GRI-DRE-1	£14.42	£16.58
No.2 Dresser	406-914mm	88mm	GRI-DRE-2	£23.18	£26.66

SPARE CUTTERS

Model	Stock Code	Price ex vat	Price inc vat
No.0 Spare Cutter	GRI-DRE-SC0	£1.13	£1.30
No.1 Spare Cutter	GRI-DRE-SC1	£1.53	£1.76
No.2 Spare Cutter	GRI-DRE-SC2	£6.13	£7.05

DRILL GRINDING ATTACHMENT



Model	Stock Code	Price Ex-VAT	Price Inc VAT
Drill Grinding Attachment	DRI-GRI-ATT	£19.06	£21.92

T SLOT CLEANER

THESE ARE USED TO CLEAN T SLOTS ON MILLING MACHINES

SUITABLE FOR 1/2" 12 MM T SLOTS



Size	130mm Long
Weight	0.5kgs
Stock Code	071-110
Price ex vat	£0.86
Price inc vat	£0.99

SMALL COMPOUND TABLE



Table Size	Table Travel	Graduations	Weight	Stock Code	Price ex vat	Price inc vat
90 x 200mm	70 x 130mm	Metric	5kgs	019-104	£69.25	£79.64

OIL SUCTION GUN



Capacity	Weight	Stock Code	Price ex vat	Price inc vat
0.5L	0.5kg	OIL-GUN-001	£10.82	£12.44

Designed for filling and emptying sumps on Vehicles and Machinery such as Gear Boxes, Axles etc. Suitable for Engine Oil, Differential Oil and Transmission Oil. Supplied complete with Flexible Delivery Tube Attractive Black Finish

HANDLES



Model	Description	Swing	Overall Length	Fitting	Weight	Stock Code	Price ex vat	Price inc vat
A	Ball Crank	125		12mm bore	0.25kg	080-101	£10.00	£11.50
B	U Handle	60		8mm bore	0.25kg	080-102	£4.57	£5.26
C	Lever & Boss	200		Tapped M8	0.25kg	080-103	£3.81	£4.38
D	Lever		104	M8 Thread	0.25kg	080-104	£3.04	£3.50
E	Lever		145	M8 Thread	0.25kg	080-105	£3.35	£3.85
F	Lever & Boss	110		M8 Thread	0.25kg	080-106	£3.19	£3.67
G	Lever		60	M8 Thread	0.25kg	080-107	£2.86	£3.29
H	Handwheel	100		12mm Bore & Keyway	0.5kg	080-108	£8.76	£10.07
I	Handwheel	125		12mm Bore & Keyway	0.5kg	080-109	£9.79	£11.26

POWER FEEDS

Adding a power feed to your machine will improve efficiency and produce a higher quality finish to your work. Each unit has forwards, reverse, variable speed and a rapid feed button. To meet safety specifications power is 110volt, requiring a transformer.



X AXIS POWER FEED
SUITABLEFOR626ANDTURRETSTYLEMILLS



STD BENCH MILL POWER FEED
SUITABLEFORE25,E30,LUXANDBENCHMILLDRILLS

GEARED POWER FEED

GEARED POWER FEED PROVIDES MORETORQUEFORHIGHTABLE LOADS



Specifications

Speeds	9
Speed Range	24-270
Power	415 Volt
Stock Code	064-019
Price ex vat	£494.78
Price inc vat	£569.00

POWER FEEDS

Model	Weight	Stock Code	Price ex vat	Price inc vat
Std Bench Mill	6.5kg	064-001	£242.00	£278.30
X	6.5kg	064-002	£237.00	£272.55
Y	6.5kg	064-003	£237.00	£272.55
Z	6.5kg	064-005	£252.00	£289.80

TRANSFORMER FOR POWER FEEDS



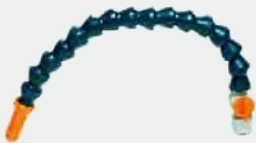
Voltage	Outputs	Weight	Stock Code	Price ex vat	Price inc vat
240v-110v	x1	4.5kg	071-007	£41.15	£47.32
240v-110v	x2	7.5kg	071-008	£61.75	£71.01
415v-110v	x1	4.5kg	071-010	£51.50	£59.23
415v-110v	x2	7.5kg	071-009	£82.35	£94.70

COOLANT PUMPS



Power	PCD Mounting Holes	Overall Height	Pump Impellar Height	Max Flow	Max Head	Pipe Connection	Weight	Stock Code	Price ex vat	Price inc vat
240v Single Phase	127mm	305mm	150mm	20L	2m	3/8 BSP	6kg	026-311	£85.71	£98.57
380v Three Phase	127mm	305mm	150mm	20L	2m	3/8 BSP	6kg	026-312	£85.71	£98.57
240v Single Phase	127mm	255mm	100mm	20L	2m	3/8 BSP	6kg	026-309	£85.71	£98.57
380v Three Phase	127mm	255mm	100mm	20L	2m	3/8 BSP	6kg	026-310	£85.71	£98.57

COOLANT HOSE



Model	Connection Thread	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	1/4 BSP Male	0.25kg	HOS-62220	£6.81	£7.83
1/4"	1/4BSP Female	0.25kg	HOS-62721	£7.95	£9.14
3/8"	3/8 BSP Male	0.25kg	HOS-63320	£7.95	£9.14
3/8"	3/8" BSP Female	0.25kg	HOS-63321	£7.95	£9.14
1/2	1/2" BSP Male	0.25kg	HOS-64420	£8.40	£9.66
1/2"	1/2" BSP Female	0.25kg	HOS-64721	£8.40	£9.66

COOLANT HOSE WITH MAGNETIC BASE



Model	Weight	Stock Code	Price ex vat	Price inc vat
CHMB	0.5kgs	026-140	£10.25	£11.79

COOLANT FLUID

Qty	Weight	Stock Code	Price ex-vat	Price inc vat
1 Litre	1kgs	026-401	£6.46	£7.43
5 Litres	5kgs	026-402	£18.90	£21.74
25 Litres	25kgs	026-403	£98.00	£112.70

COOLANT SYSTEMS



The Light Duty Coolant System has been designed for small bench top machines such as; lathes, milling and drilling machines. They are supplied in 240v and provide a pumping capacity of 6 litres per minute with a maximum head of 1.3metres. Size of the tank is 180 x 285 x 285mm and weight 11kgs. Each system is supplied with pump, magnetic flexible coolant hose, delivery hose, drain hose, on/off switch and plug.

Size (H x W x D)	Power	Max Flow	Max Head	Weight	Stock Code	Price ex vat	Price inc vat
290 x 350 x 340mm	240v Single Phase	6L/M	1.3m	8kg	026-303	£61.80	£71.07



Heavy Duty Coolant Systems are fitted with a continuously rated coolant pump to ensure longevity of use. Each system is supplied with heavy duty pump, magnetic flexible coolant hose, delivery hose, drain hose, and heavy duty on/off switch.

Size (H x W x D)	Power	Max Flow	Max Head	Weight	Stock Code	Price ex vat	Price inc vat
320 x 450 x 330mm	240v Single Phase	20L/M	2m	14kg	026-301	£143.00	£164.45
320 X 450 X 330mm	380v Three Phase	20L/M	2m	12kg	026-302	£143.00	£164.45

COOLANT HOSE FITTINGS

'Y' Connectors

Size	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	0.25kg	HOS-82038/1	£1.91	£2.20
3/8"	0.25kg	HOS-63322/1	£2.50	£2.88
1/2"	0.25kg	HOS-84068/1	£2.75	£3.16



Flared Nozzle

Size	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	0.25kg	HOS-82027/1	£1.32	£1.52
3/8"	0.25kg	HOS-63323/1	£1.44	£1.66
1/2"	0.25kg	HOS-84671/1	£1.80	£2.07



Round Nozzle

Size	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	0.25kg	HOS-85000/1	£1.32	£1.52
3/8"	0.25kg	HOS-85001/1	£1.44	£1.66
1/2"	0.25kg	HOS-85002/1	£1.80	£2.07



COOLANT HOSE PLIERS



Size	Weight	Stock Code	Price ex vat	Price inc vat
1/4"	0.5kgs	HOS-26171	£16.28	£18.72
3/8"	0.5kgs	HOS-26176	£16.28	£18.72
1/2"	0.5kgs	HOS-26172	£16.28	£18.72

'Y' CONNECTOR REDUCER



Size	Weight	Stock Code	Price ex vat	Price inc vat
1/2" inlet 1/4" outlet	0.25kg	HOS-84069/1	£2.20	£2.53

MACHINE MOUNTS



These heavy duty machine mounts provide good vibration reduction and the excellent height adjustment allows for uneven surfaces.

Model	A	B	C	DxL	Load	Weight	Stock Code	Price ex vat	Price inc vat
TK-90	90mm	50mm	32mm	10M-100	500kgs	0.8kgs	VER-TK-90	£15.40	£17.71
TK-120	120mm	90mm	35mm	12M-100	1000kgs	1.4kgs	VER-TK-120	£23.10	£26.57

HORIZONTAL MILLING ATTACHMENTS



HORIZONTAL MILLING HEAD

Model	A	B	C	D	Stock Code	Weight	Price ex vat	Price inc vat
R8	225	230	137	180	HOM-M01-R8	13kg	£350.00	£402.50
ISO30	225	230	155	173	HOM-M02-NT30	13kg	£399.00	£458.85
ISO40	225	230	185	178	HOM-M03-NT40	21kg	£540.00	£621.00

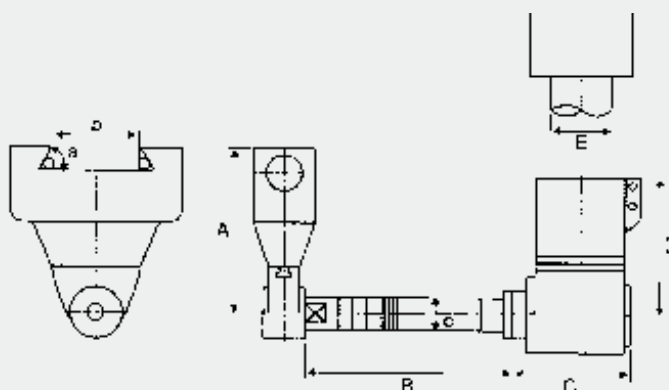


HORIZONTAL MILLING ARBOR SUPPORT

a	Suitable M/C Ram deviation Width (b)	c
50°	140-170	1" or 27mm
55°	140-170	1" or 27mm
60°	140-170	1" or 27mm

FEATURES

- Converts a Vertical Mill to Horizontal
- Suitable for R8, ISO30 and ISO40 Machines
- Simple Setup
- Max Speed 2000rpm
- Sealed Unit





COMPOUND TABLES



AKP CROSS WORKING TABLE

Table size	X-stroke	Y-stroke	Graduate	Weight	Stock Code	Price ex vat	Price inc vat
185×100	85	55	0.01	10.5	019-105	£60	£69



AKP CROSS WORKING TABLE

Table size	X-stroke	Y-stroke	Graduate	Weight	Stock Code	Price ex vat	Price inc vat
225×175	105	70	0.01	16	019-106	£73	£83.95
425×240	225	135	0.02	39	019-107	£162	£186.30



AKP CROSS WORKING TABLE
with higher base
with sealed lead screw for dust proof

Table size	X-stroke	Y-stroke	Graduate	Weight	Stock Code	Price ex vat	Price inc vat
425×240	225	135	0.02	39	019-108	£265	£304.75



AIR POWERED DRAWBARS

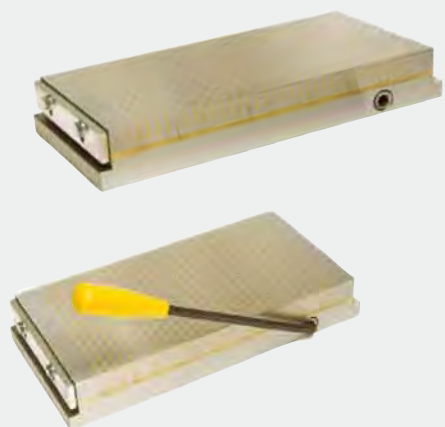
Model	Speed	Torque	Air Pressure	Gross Weight	Stock Code
R8	3000rpm	150ft-lb	90psi	9.8kgs	064-014
ISO40	3000rpm	200ft-lb	90psi	11kgs	064-011

DRAWBARS FOR TURRET MILLING MACHINES



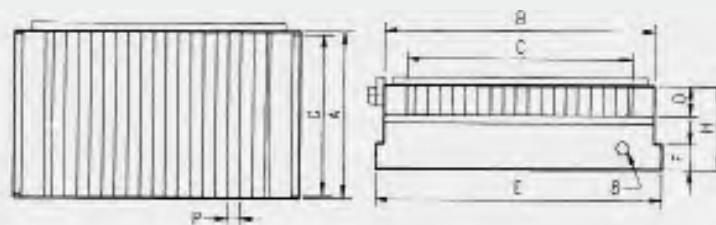
Stock Code	Taper	Thread	Step Pulley (length)	Variable Speed (length)	Weight
006-220	R8	7/16" -20NC	518mm		0.49kgs
006-221	R8	7/16" -20NC		598mm	0.732kgs
006-222	ISO40	M16 x2.0P		630mm	1.266kgs
006-223	ISO40	5/8" - 11NC		630mm	1.266kgs

MAGNETIC CHUCKS



FEATURES

- Magnetic Force 18KGF
- High Precision Working Surface
- Easy Switching



Model	Size	Chucking Size				Pole Gap	Chuck Mounting Face	E	F	Switch Type	Height	Weight	Price ex vat	Price inc vat
		A	B	C	D									
VG-510	125X250mm	125mm	250mm	206mm	20mm	8(2+6)mm	125mm	262mm	15mm	Hex Socket	50mm	12kgs	£238.26	£274.00
VG-612	150x300mm	150mm	300mm	256mm	20mm	8(2+6)mm	150mm	318mm	15mm	Hex Socket	50mm	18kgs	£286.09	£329.00
VG-618	150x450mm	150mm	450mm	406mm	20mm	8(2+6)mm	150mm	468mm	15mm	Hex Socket	50mm	27kgs	£381.74	£439.00
VG-816	200x400mm	200mm	400mm	356mm	20mm	8(2+6)mm	200mm	418mm	15mm	Hex Socket	50mm	31kgs	£399.13	£459.00
VG-1020	250x500mm	250mm	500mm	500mm	20mm	8(2+6)mm	250mm	518mm	15mm	Hex Socket	50mm	48kgs	£798.26	£918.00

SLOTTING HEAD

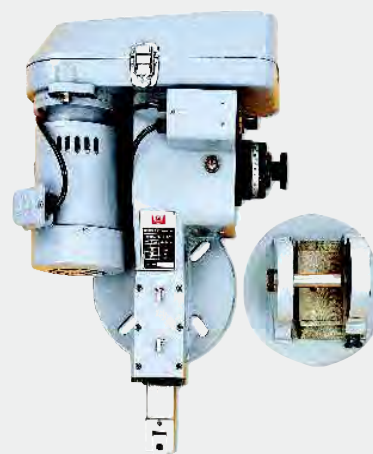
Stock Code	Stroke	Number of Speeds	Range of Speeds	Motor	Voltage	Weight
247-102	125mm	4	30-140spm	¾h.p.	415v	150kgs

FEATURES

- Hardened & Ground Ram Surface
- Simple to Use
- Variable Stroke Length
- Built in Switchgear
- Suitable for making Keyways and Grooves

OPTIONAL ACCESSORIES

- Mounting Flange



MACHINE GUARDING

LATHE GUARD



INTERLOCKED MILLING TABLE GUARD



Lathe Chuck Guards are designed to fit conventional lathes with a swing from 300 - 600mm. Milling Guards are designed to fit Vertical and Universal Milling machine tables. Each Guard has Interlock switch which can be intergrated into the lathe electrical system. Fitting of the lathe guard is made with a universal bracket to the heastock, fitting of the milling guards is made simply to the 'T' slots of the table. These guards make an ideal retrofit for new or second hand machines. All guards use high grade polycarbonate and come with CE certification.

LITERATURE

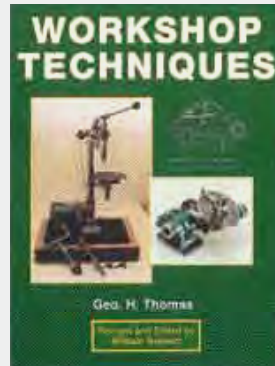
MODEL ENGINEERS
WORKSHOP MANUAL

by George Thomas,
edited by W. A. Bennett

The third book by this highly respected author will undoubtedly become the 'bible' for both novice and experienced alike, containing over 300 pages on most aspects of machining. 28 chapters cover a vast range of machining processes and the construction of a varied range of accessories for the lathe.

Stock Code B00-007
£23.95

WORKSHOP TECHNIQUES



by George H. Thomas

A companion volume to the author's Model Engineers Workshop Manual, this book is a combined work comprising Building the Universal Pillar Tool and Dividing and Graduating, fully revised and updated and including new photographs and drawings. Over 300 pages, 200 illustrations and 300 drawings.

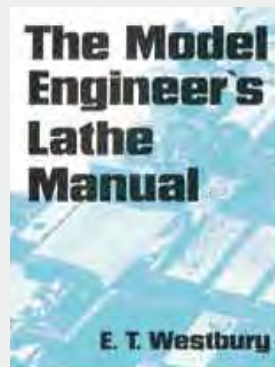
Stock Code B00-011
£26.95

BEGINNERSGUIDETOMODEL
STEAM LOCOMOTIVES

by Tim Coles

The author shows how you can build your own miniature steam locomotive. Gives full instructions, plus clear diagrams, to enable anyone to construct their own loco in a home workshop.

Stock Code B00-010
£15.95

THE MODEL ENGINEERS
LATHE MANUAL

by Edgar T. Westbury

The late Edgar Westbury's first major book on lathes was the ME Lathe Manual published in 1951. This was subsequently revised and titled Metal Turning Lathes and in reprinting the work we have reverted to the original title since this more accurately reflects the use today of the size and type of machinery described therein.

Stock Code B00-008
£13.95

IMPROVEMENTSANDACCESSORIES
FOR YOUR LATHE

by J. A. Radford

A compilation of articles originally published in 'Model Engineer', this book contains plans and details of how to build a vast range of accessories and improvements for your lathe. An invaluable source of workshop knowledge from the late 1960s.

Stock Code B00-009
£13.95

ENGINEERS COMPANION

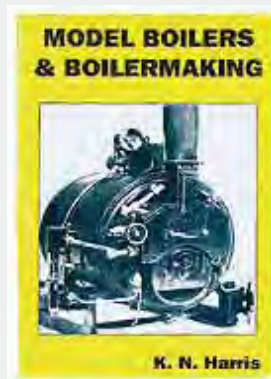


'The Engineers companion is the model engineers best friend! Ideally situated in the top pocket you should never be without it!'

Stock Code B00-006
£5.99

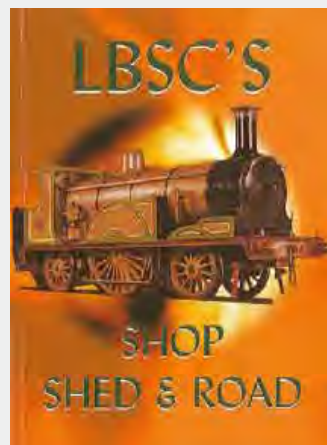
LITERATURE

MODEL BOILERS & BOILERMAKING



In nine chapters the author comprehensively covers considerations and principles, efficiency, design features and scale effects. Materials and their properties, calculations for safe working pressures and general proportions are discussed. Chapters are also devoted to types of boilers, methods of constructions, flanging and forming plates, setting out, annealing and riveting.
Stock Code B00-020
£14.95

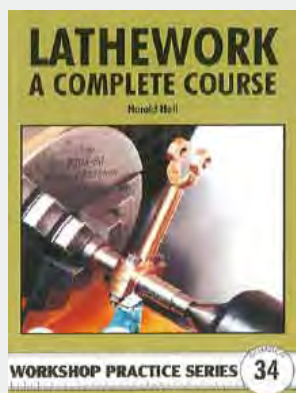
LBSC'S SHOP SHED & ROAD



This famous book first appeared in 1929 and established LBSC in the forefront of miniature steam design for all time. It is a complete course in locomotive building and this latest reprint, is a tribute to a much respected designer.

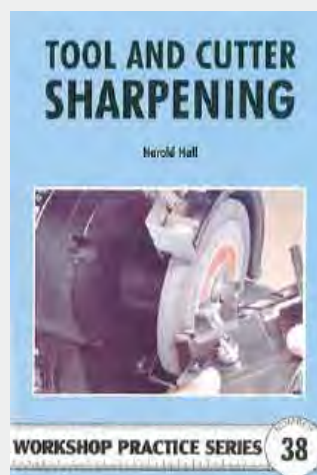
Stock Code B00-021
£15.95

LATHEWORK A COMPLETE COURSE



This book assumes no previous experience and using the medium of twelve lathe turning projects will lead prospective model engineers through all of the basic techniques needed to tackle ambitious projects. All projects are extensively illustrated with full working drawings and will develop a range of practical skills.
Stock Code B00-022
£7.95

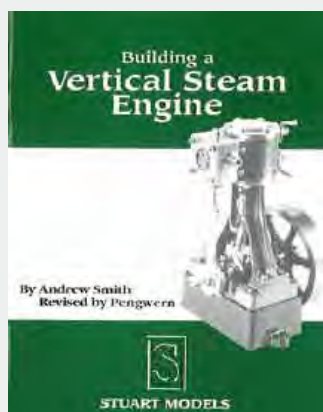
TOOL & CUTTER SHARPENING



Sharpening workshop tools is probably the most diverse of all workshop activities and the one that is least understood by the majority of workshop owners. This book illustrates how most sharpening tasks can be carried out using an off hand grinder and a few simple made accessories, whilst doing this to a standard comparable to that achieved using much more sophisticated equipment.

Stock Code B00-023
£6.95

BUILDING A VERTICAL STEAM ENGINE



This book is based on the most popular of Stuart Turner models, No 10 range. It covers the machining of all parts of the 10 V and 10 H engines and indeed these machining principles can be applied to any vertical steam engine of similar construction.

Stock Code B00-024
£6.95

New to the Chester range of equipment is a small range of Woodworking machines. These are built to the same standards as the metalworking machinery and offer the Hobby, Educational and Industrial user a high quality of machine.

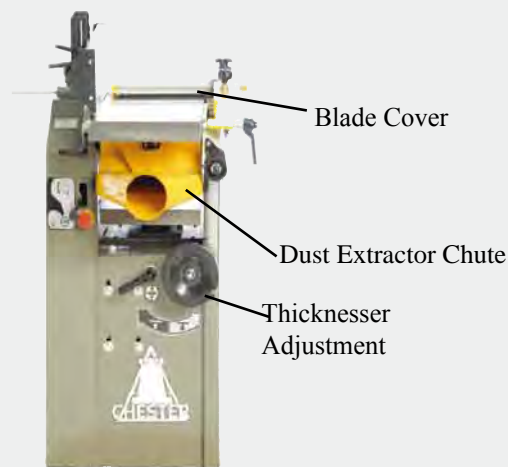


WOODWORKING MACHINERY

10" PLANER AND THICKNESSER



Thicknesser



Motor	1100W
Planing Table Size	250x1050mm
Thicknessing Table Size	250x600mm
Cutter Block Diameter	75mm
Feed Block Diameter	40mm
Cutting Knife (pcs)	3
Fence Tilt	0° - 45°
Dust Chute Diameter	100mm
Max Planing Width	250mm
Max Cutting Depth	2.5mm
Max Thicknessing Height	180mm
Cutter Block Speed - 50Hz	4000rpm
Cutter Block Speed - 60Hz	4800rpm
Feed Speed - 50Hz	8m/min
Feed Speed - 60 Hz	9.6m/min
Power	240v
Packing Size	1150x530x920mm
Net Weight	148kgs

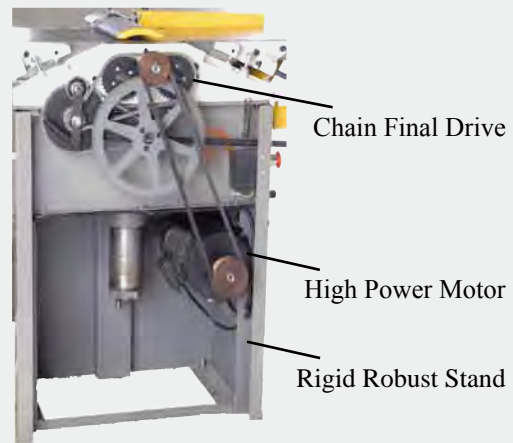
FEATURES

- All Cast Iron Construction
- Precision Machined Planing and Thicknessing Table
- Standard 100mm Dust Chute
- 3 piece HSS Cutting Knives
- Easy Changing between Planing & Thicknessing
- Safety Switch inside Planing Table Support when Changing between Planing and Thicknessing

12" PLANER AND THICKNESSER



Motor	2200w
Planing Table Size	310x1520mm
Thickening Table Size	310x750mm
Cutter Block Diameter	95mm
Feed Block Diameter	40mm
Cutting Knife (pcs)	4
Fence Tilt	0° - 45°
Dust Chute Diameter	100mm
Max Planing Width	310mm
Max Cutting Depth	5mm
Max Thickening Height	220mm
Cutter Block Speed - 50Hz	4000rpm
Cutter Block Speed - 60Hz	4800rpm
Feed Speed - 50Hz	8m/min
Feed Speed - 60 Hz	9.6m/min
Power	415v
Packing Size	1670x620x920mm
Net Weight	345kgs



FEATURES

- All Cast Iron Construction
- Precision Machined Planing and Thickening Table
- Standard 100mm Dust Chute
- 4 piece HSS Cutting Knives
- Easy Changing between Planing & Thickening
- Safety Switch inside Planing Table Support when Changing between Planing and Thickening

COMBINATION MACHINE CMM310

PLANER, THICKNESSER, SAWBENCH, SPINDLE MOULDER, MORTISER

FEATURES

- All Cast Iron Construction
- 4 Piece Cutting Knife
- Standard 100mm Dust Chute
- Precision Machined Tables
- Two Saw Bench Blades
- Motor Brake for Safety

SPECIFICATION

PLANER THICKNESSER	
Max Planer Width	310mm
Max Planer Cutting Depth	5mm
Cutter Block Speed	4000r/min
Cutting Knife(pcs)	4
Fence Tilt	0°- 45°
Planer Table Size	1520X310mm
Cutter Block Dia	Φ95mm
Thicknessing Table Size	750X310mm
Max Thicknesser Width	310mm
Max Thicknesser Depth	5mm
Feed Speed (mm/min)	8m/min
Max Thicknesser Height	220mm
Motor	415v 50Hz 2200w
SAWBENCH	
Motor for Large Blade	415V 50Hz 3700W
Motor for Small Blade	415V 50Hz 550W
Big Blade Size	Φ300xΦ30x3.0x2.2x24T
Scoring Blade Size	Φ100xΦ20x3.0x2.2x8T
Max Cutting Height	90mm
Cutting Height for Blade 45°	70mm
Blade Speed	3750r/min
Scoring Blade Speed	8600r/min
Table Size	1060 x 520mm
Sliding Table Size	2000 x 1300mm
Sliding Table Travel	2200mm
Length of Sliding Table	2000mm
SPINDLE MOULDER	
Inside Diameter for Spindle	Φ30mm
Spindle Travel	90mm
Spindle Speed	7000r/min
Max Cutting Dia	Φ150mm
Max Cutting Height	105mm
MORTISING	
Bit Housing	Φ16mm
Vertical Stroke	110mm
Table Travel up/down	175mm
Lateral Stroke	140mm
Table Size	194x455mm
Dust Chute for Spindle	Φ100mm
Dust Chute for Cutting	Φ100mm
Noise	≤80dB
Complete Unit Size	2294x1604x1120mm
Power	415v
Net Weight	780kgs
Gross Weight	940kgs



COMBINATION MACHINE CMM250 PLANER, THICKNESSER, SAWBENCH, SPINDLE MOULDER, MORTISER

FEATURES

- All Cast Iron Construction
- 4 Piece Cutting Knife
- Standard 100mm Dust Chute
- Precision Machined Tables
- Two Saw Bench Blades

SPECIFICATION

PLANER THICKNESSER	
Max Planer Width	250mm
Max Planer Cutting Depth	5mm
Cutter Block Speed	4000r/min
Cutting Knife(pcs)	3
Fence Tilt	0°- 45°
Planer Table Size	1085X250mm
Cutter Block Dia	Φ75mm
Thicknessing Table Size	600X250mm
Max Thicknesser Width	250mm
Max Thicknesser Depth	2.5mm
Feed Speed (mm/min)	8m/min
Max Thicknesser Height	180mm
Motor	2000W
SAWBENCH	
Motor for Large Blade	2200W
Motor for Small Blade	415V 50Hz 550W
Big Blade Size	Φ250xΦ30x3.2x2.2x24T
Small Blade Size	Φ88xΦ30x3.2x2.2x8T
Max Cutting Height	60mm
Cutting Height for Blade 45°	42mm
Blade Speed	4050r/min
Scoring Blade Speed	6300r/min
Sliding Table Travel	1300mm
Length of Sliding Table	1200mm
Table Size	1200x840(1080)mm
SPINDLE MOULDER	
Motor for Spindle	2200W
Inside Diameter for Spindle	Φ30mm
Spindle Travel	130mm
Spindle Speed	7000r/min
Max Cutting Dia	Φ150mm
Max Cutting Height	85mm
MORTISING	
Bit Housing	Φ16mm
Vertical Stroke	80mm
Table Travel up/down	90mm
Lateral Stroke	130mm
Table Size	161x368mm
Dust Chute for Spindle	
Dust Chute for Spindle	Φ100mm
Dust Chute for Cutting	
Dust Chute for Cutting	Φ100mm
Noise	≤80dB
Power	415v
Complete Unit Size	1200x1430x1190mm
Net Weight	372kgs
Gross Weight	490kgs



Planer Thicknesser
Tilting Saw Blade

Bearing Slide Work Support



Mortising Attachment



Spindle Moulder

COMBINATION MACHINE CMM250S

PLANER, THICKNESSER, SAW BENCH, SPINDLE MOULDER, MORTISER

FEATURES

- All Cast Iron Construction
- 4 Piece Cutting Knife
- Standard 100mm Dust Chute
- Precision Machined Tables
- Two Saw Bench Blades



Saw Bench

SPECIFICATION

PLANER THICKNESSER	
Max Planer Width	250mm
Max Planer Cutting Depth	5mm
Cutter Block Speed	4000r/min
Cutting Knife(pcs)	3
Fence Tilt	0° - 45°
Planer Table Size	1085X250mm
Cutter Block Dia	Φ75mm
Thicknesser Table Size	600X250mm
Max Thicknesser Width	250mm
Max Thicknesser Depth	2.5mm
Feed Speed (mm/min)	8m/min
Max Thicknesser Height	180mm
Motor	1500W
SAW BENCH	
Saw + Spindle Moulder Motor	2200W
Blade Size	Φ250xΦ30x2.2x24T
Max Cutting Height	85mm
Cutting Height for Blade 45°	60mm
Blade Speed	4050r/min
Table Size	950 x 790(590)mm
Sliding Table Travel	590mm
Length of Sliding Table	910mm
SPINDLE MOULDER	
Inside Diameter for Spindle	Φ30mm
Spindle Travel	90mm
Spindle Speed	6600r/min
Max Cutting Dia	Φ130mm
Max Cutting Height	105mm
MORTISING	
Bit Housing	Φ17mm
Vertical Stroke	80mm
Table Travel up/down	90mm
Lateral Stroke	130mm
Table Size	161x368mm
Dust Chute for Spindle	Φ100mm
Dust Chute for Cutting	Φ100mm
Noise	≤80dB
Power	415v
Complete Unit Size	1250x1300x1150mm
Net Weight	300kgs



Mortising Attachment



Planer Thickener



Spindle Moulder

CHESTER WOOD LATHES



WL-1236



WL-1240



WL-1243

Model	WL-1236	WL-1240	WL-1243
Motor	370/450/550W	370W	550/750W
No of speed	Variable	4	Variable
Spindle speed(50Hz)	500-2000rpm	850-2510rpm	500-2000rpm
Spindle speed(60Hz)	600-2400rpm	1020-3000rpm	600-2400rpm
Swing over bed	300mm	350mm	350mm
Distance between centers	900mm	1000mm	1075mm
Drive spindle	1" 8 RH thread or other	1" 8 RH thread or other	1" 8 RH thread or other
Head and tailstock taper	#2 Morse or other		#2 Morse or other
Face plate	150mm	150mm	150mm
Tool rest	300mm	300mm	300mm
N.G. Weight	80/85kgs	80/85kgs	92/97kgs
Packing size	1380×330×370mm	32/35kgs	1620×340×430mm
Units/20' container	172	345	110



WOOD COPYING ATTACHMENT FITS WL SERIES WOOD LATHES

Fits Model	WL-1236	WL-1240	WL-1243
Max duplicating length	900mm	1000mm	1100mm
Max cutter travel	35mm	35mm	35mm
Cutter height	120-210mm	150-210mm	150-210mm
Overall size	1060x240x160mm	1210×240×160mm	1210×240×160mm
Weight	14kg	14kgs	15kgs

PG16-VS



Model	GW-1640
Max.swing over bed	16"
Max.swing over cross slide	12-3/8"
Max.distance between centers	40"
Outboard turning	20"
Speed steps	3
Speed range	60-600,130-1300,280-2800rpm
Spindle nose thread	1-1/4×8TPI
Completely through spindle bore	9/16"
Headstock spindle taper	MT-2
Tailstock spindle taper	MT-2
Tailstock spindle bore	9/16"
Tailstock spindle travel	3-1/2"
Spindle center line height over ground	44"
(H×W×L) Overall dimensions	48-1/2"×15"×75"
Motor	3HPw/Internet, 1PH, 220v
Net weight	280kg

VERTICAL BANDSAWS

KV 18 Bandsaw

STANDARD ACCESSORIES

- Blade
- NVR Switchgear
- Mitre Attachment

FEATURES

- Scale Magnifier
- Dust Extraction Facility
- Tilting Table
- Quick Action Fence Clamp



Fence Scale c/w Magnifier



Mitre Attachment



Blade Drive Wheel

Motor	2200W
Size	18" /450mm
Blade Size	430x10-32x0.6
Table Size	500 x 600mm
Table Tilt	0° - 45°
Cutting Width	445mm
Cutting Depth	330mm
Dust Chute Diameter	100mm
Power	415v
Packing Size	1930x590x760
Net Weight	260kgs

VERTICAL BANDSAWS

KV 40



KV 60



KV 100



Model	KV40	KV50	KV60	KV100
Blade to Column	410mm	520mm	600mm	1000mm
Max: Work Height	300mm	310mm	300mm	300mm
Table Size	600x500mm	600x500mm	600x500mm	600X500mm
2nd Table	n/a	n/a	220x500mm	450x500mm
Table inclination	15°	15°	15°	15°
Saw Blade Length	3285mm	3840mm	3950mm	4500mm
Max: Blade Width	16mm	16mm	16mm	16mm
Blade Speeds 60Hz	Low 20-80mpmin/65-265fpm High 120-480mpmin/400-1600fpm			
50Hz	Low 15-55mpmin/50-210fpm High 96-390mpmin/335-1350fpm			
Capacity of Welder	2hp / 1.5Kw			
Motor	2hp / 1.5Kw	2hp / 1.5Kw	2hp / 1.5Kw	2hp / 1.5Kw
Net Weight	440kgs	500kgs	700kgs	800kgs

FEATURES

- Band Speed Display
- Tilting Table
- Variable Speed
- Integral Welder
- High Quality Blade Wheel Bearings
- Interlocked Blade Covers

OPTIONAL ACCESSORIES

- Automatic Table
- Mitre Guide

STANDARD ACCESSORIES

- Blade Welder
- Speed Display
- Air Pipe for Visibility
- Blade Shear & Grinder
- Halogen Work light
- Rip Fence
- Blade Guards
- Manual and Parts List

CHESTER SCROLLSAWS



Size of blade	0.03x130mm
Range of speeds	1450/min
Power	50W
Motor size	37x80mm
Max Depth of cut	70mm
Table size	220mmx170mm
Cuts per minute	1450
Weight	5kgs
Dimensions	450x236x150mm

CHESTER MORTICERS



MSS1720



MSB800



Morticing Attachment

Model	MSB800	MSS1720
Chisel Capacity	6-16mm	6-26mm
Max. Morticing Depth	76mm	76mm
Drill Chuck Capacity	1-13mm	3-16mm
Vertical Stroke	40mm	145mm
Lateral Stroke	100mm	170mm
Table Size	180x120mm	400x150mm
Overall Height	800mm	1720mm
Motor	370W	750W
Spindle Speed	1400rpm	1400rpm
Net Weight	42kgs	124kgs

D SERIES DRILLING MACHINES

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	78mm	1250mm
Spindle Distance to Table	210mm	415mm	450mm	410mm	114mm	650mm
Table Size (mm)	165x160mm	190x195mm	300 mm dia	290 x 290mm	285x285mm	420x470mm
Spindle Taper	B16	MT2	MT2	MT2	MT2	MT3
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
Motor	250w	370w	550w	650w	650w	1500w
Net Weight	17kgs	29kgs	42kgs	86kgs	70kgs	148kgs
Stock Code	DRI-D13	DRI-D13R	DRI-D16	DRI-D19	DRI-D20	DRI-D32
Price ex vat	£65.17	£91.30	£156.48	£199.13	£196.48	£378.26
Price inc vat	£74.95	£104.99	£179.95	£229.00	£225.95	£435.00

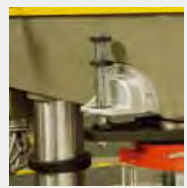
Delivery by Quotation on all Models

OPTIONAL ACCESSORIES



PROVS DRILLING MACHINES

PRO -17VS



Cast Aluminium Quill Depth Bracket



Variable Speed Change Lever



PRO25-17VS Belt Drive System

PRO -18VS



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	PRO -17VS	PRO -18VS
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	1100w	2hp
Power Supply	240volt	240volt
Overall Dimensions (WxDxH)	800x450x1700mm	900x500x1800mm
Net Weight	100kgs	350kgs
Range of Speeds	280-2500rpm	85-1900rpm
Stock Code	DRI-PRO25-17VS	DRI-PRO25-18VS
Price ex vat	£329.57	£865.22
Price inc vat	£379.00	£995.00

Delivery by quotation

OPTIONAL ACCESSORIES

<p>1</p> <p>Drill Press Vices</p>	<p>2</p> <p>Drill Bits</p>	<p>3</p> <p>Deburring Tools 600</p>	<p>4</p> <p>Tansfer Punches</p>	<p>5</p> <p>Clamp Kit</p>	<p>6</p> <p>Flex-arm Lamp</p>	<p>7</p> <p>Tapping Heads</p>	<p>8</p> <p>Reducing Sleeves</p>
-----------------------------------	----------------------------	-------------------------------------	---------------------------------	---------------------------	-------------------------------	-------------------------------	----------------------------------

SANDING MACHINES

6" x 9" DISC SANDER



SPECIFICATION

Disc Size	9"/230mm
Table Size	310x 160mm
Motor Power	1hp
Belt Size	6" X 48"
Power Supply	240volt
Wheel Speed	2850rpm
Table Tilt	45 degrees
Belt Tilt	90 degrees
Net Weight	68kgs
Stock Code	SAND-6X9
Price ex vat	£195.65
Price inc vat	£225.00



12" DISC SANDER



Fitted with Mitre Attachment

SPECIFICATION

Disc Size	300mm
Motor Power	750w
Power Supply	240volt
Table Tilt	45 degrees
Wheel Speed	1450rpm
Net Weight	11.5kgs
Stock Code	SAND -12
Price ex vat	£86.09
Price inc vat	£99.00

SANDING MACHINES

4"X 6" BELT & DISC SANDER

This belt and disc sander can be used in a vertical or horizontal position. Table tilts 45°, Mitre Gauge swivels left/right 60°.

STANDARD ACCESSORIES

- 1/3 HP Single Phase Motor
- Abrasive Disc
- Abrasive Belt

SPECIFICATION

Belt Size	4" x 36"
Disc Size	6"
Belt Tilt	0-90°
Table Size	216 x 146mm
Table Tilt	0-45°
Motor	370w
Disc Speed	2850rpm
Belt Speed	1900rpm
Stock Code	SAND-BD46A
Net Weight	25kgs
Price ex vat	£65.22
Price inc vat	£75.00



Rear Dust Extraction Facility



Tilting Mitre Table and Belt Sander

1"X5" BELT & DISC SANDER



Angled Tilting Tables

STANDARD ACCESSORIES

- 1/3 HP Single Phase Motor
- Abrasive Disc
- Abrasive Belt

SPECIFICATION

Belt Size	1" X 30"/25X762mm
Disc Size	5"
Motor	300W
Belt Speed	16.4m/s
Disc Speed	3400r/min
Stock Code	SAND-1X5
Price ex vat	£42.61
Price inc vat	£49.00

SANDING MACHINES

FLEXI DRIVE

STANDARD ACCESSORIES

- Grinding Stones
- Rotating Head
- 5 x Chisels
- Engraving Head
- Deburring Stones
- Diamond Burrs
- Sanding Attachments



Wood Carving Attachment and Chisels



Grinding Stones



Flap Wheel Grinding Wheels



Internal Grinding Stones



Deburring Stones



Variable Speed Foot Switch

Ideal for small delicate work the Flexi Grind comes with a full range of accessories:- Wood Carving Attachment and Chisels, External Grinding Stones, Internal Grinding Stones, Flap Grinding Wheels, Deburring Stones and Drill Chuck. The Speed of the head is controlled by the foot switch leaving the operator with both hands free to work.

Model	Power	Voltage	Weight	Working Speed	Stock Code	Price ex vat	Price inc vat
SP-328	1/10hp	240v	2.3kgs	0-14000rpm	GRI-FLEX	£95.64	£109.99

DUST COLLECTOR



Motor	3hp 2200W
Fan Diameter	305mm
Inlet Diameter	150mm
Number of Intake Holes	3 x 100mm
Air Speed - 50Hz	2300cfm/65.09 ³ /min
Air Speed - 60Hz	2760cfm/78.11 ³ /min
Bag Diameter	500mm
Bag Height	850mm
Bag Volume	0.307m ³
Power	415v
Net Weight	64kgs
Packing Size	1170x560x570mm

OPTIONAL ACCESSORIES



MINI COMBINED WOODWORKING MACHINE



Voltage	230V/50hz
Motor power	1000w
Sliding table	655x120mm
Sliding table travel	250mm
Overall dimension	970x670x480mm
Weight	45kg

1. Planer

Planer width	150mm
Table length	600mm
Max cutting depth	2.5mm
Number of knives	2pcs
Knife size	150x17x3mm
Knife speed	6500rpm

2. Thicknesser

Thicknesser width	150mm
Thicknessing capacity	100mm
Max cutting of depth	2.5mm
Feed speed	7m/min

3. Saw

Saw blade	160x20
Blade lifting	0-52mm
Blade speed	4000rpm
Work table	600x400mm

4. Moulder

Spindle aperture	12mm
Spindle diameter	20mm
Spindle travel	40mm
Spindle speed	7000rpm
Mas tooling diameter	50mm

5. Morticing

Max drilling capacity	13mm
Max mortising depth	45mm
Max longitudinal travel	45mm
Max cross travel	66mm

WOOD WORKING BENCHES



WB-6030G



WB-5421



WB-8426

SPECIFICATIONS

MODEL	WB5421	WB6030	WB8426
Table top thickness:	1"(25mm)	1"(25mm)	1"(25mm)
Table edge thickness		3"(75mm)	4"(100mm)
Small drawer measurements			590*400*120mm
Big drawer measurements(W*D*H)		480*330*70mm	1410*400*320mm
Front and end vise measure	2"*13"(50*330mm)	2"*13"(50*330mm)	4"*13"(100*330mm)
Max vise travel approx	4"(100mm)	4"(100mm)	4"(100mm)
Overall dimension(L*W*H)	1420*583*808mm	1574*762*865mm	2000*760*860mm
Weight	46kgs	86kgs	89kgs

WOOD WORKING ACCESSORIES

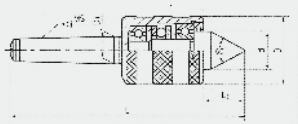
WOOD CHUCKS



WOOD CHISELS



ECONOMYLIVECENTRES60°



Model	Stock Code	Weight	Price ex-vat	Price inc vat
MT2	055-123	0.5kgs	£17.64	£20.29
MT3	055-124	1.0kgs	£20.00	£23.00

PRECISION LIVE CENTRES 60° (3-BEARING)



Model	Precision	Stock Code	Weight	Price ex vat	Price inc vat
MT1	0.08	055 - 101	0.5kg	£22.75	£26.16
MT2	0.08	055 - 102	0.5kg	£27.80	£31.97
MT3	0.08	055 - 103	1kg	£33.00	£37.95
MT4	0.08	055 - 104	3.5kg	£39.00	£44.85
MT5	0.01	055 - 105	3.5kg	£50.00	£57.50
MT6	0.01	055 - 106	14.5kg	£101.00	£116.15

DRILLPRESSVICES



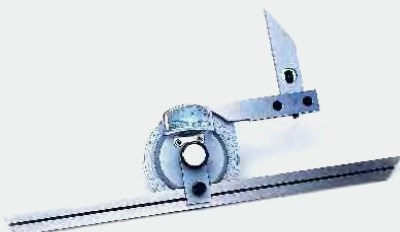
Model	DP80	DP100	DP125	DP160
Jaw Width	75mm	100mm	125mm	150mm
Max. Opening	70mm	90mm	110mm	130mm
Fixing Holes	10mm	14mm	14mm	14mm
Height	50mm	60mm	60mm	66mm
Centre Dist. of Fixing Holes	100mm	135mm	155mm	180mm
Weight	2.2 kg	3.4 kg	4.9 kg	7.4 kg
Stock Code	062-101	062-102	062-119	062-103
Price ex vat	£12.36	£14.42	£16.48	£20.60
Price inc vat	£14.21	£16.58	£18.95	£23.69

ENGINEERS SQUARES



Size	Stock Code	Weight	Price ex vat	Price inc vat
2"	052-101	0.25 kg	£2.62	£3.01
3"	052-102	0.25 kg	£3.07	£3.53
4"	052-103	0.25 kg	£3.73	£4.29
6"	052-104	0.5 kg	£5.17	£5.95
12"	052-105	2.0 kg	£18.41	£21.17

BEVEL PROTRACTOR



Length	Weight	Stock Code	Price ex vat	Price inc vat
300mm/12"	0.5 kg	083-020	£42.86	£49.29

DRILLCHUCKANDARBORSETS



KEYTYPE DRILLCHUCK AND ARBOR

Drill Chuck & Arbor	Price ex vat	Price inc vat
0.6-6mm/MT1	£8.09	£9.30
0.6-6mm/MT2	£8.09	£9.30
1-10mm/MT1	£9.61	£11.05
1-10mm/MT2	£9.61	£11.05
1-10mm/MT3	£13.50	£15.53
1-13mm/MT2	£11.91	£13.70
1-13mm/MT3	£15.74	£18.10
3-16mm/MT2	£17.84	£20.52
3-16mm/MT3	£21.73	£24.99



KEYLESS DRILLCHUCK & ARBOR

Drill Chuck & Arbor	Price ex vat	Price inc vat
0.6-6mm/MT1	£34.86	£40.09
0.6-6mm/MT2	£34.86	£40.09
1-10mm/MT1	£36.00	£41.40
1-10mm/MT2	£36.00	£41.40
1-10mm/MT3	£36.00	£41.40
1-13mm/MT2	£38.86	£44.69
1-13mm/MT3	£38.86	£44.69
3-16mm/MT2	£42.57	£48.96
3-16mm/MT3	£42.57	£48.96

LAMPS



LAMP 02

LAMP 03



LAMP 04



LAMP 05



LAMP 06



LAMP 07



LAMP 10

LAMPS

Model	Weight	Stock Code	Price ex vat	Price inc vat
Flexi-arm Lamp mag/steel base c/w transformer	2.5 KGS	LAMP-002	£28.85	£33.18
Flexi-arm lamp screw type steel base c/w transformer	2.5 KGS	LAMP-003	£28.85	£33.18
Medium-arm Lamp c/w transformer	3.5 KGS	LAMP-004	£66.95	£76.99
H/D-Flexi-arm Lamp screw type c/w transformer	3.5 KGS	LAMP-005	£46.35	£53.30
H/D-Flexi-arm Lamp mag/steel base c/w transformer	3.5 KGS	LAMP-006	£46.35	£53.30
ong-arm Lamp 24v	3.5 KGS	LAMP-007	£66.95	£76.99
Fluorescent Magnifying Lamp	5 KGS	LAMP-010	£34.20	£39.33

SPARE BULBS

Model	Weight	Stock Code	Price ex vat	Price inc vat
LAMP-002	0.05kg	LAMP-BULB-002	£6.70	£7.71
LAMP-003	0.05kg	LAMP-BULB-003	£6.70	£7.71
LAMP-004	0.05kg	LAMP-BULB-004	£6.70	£7.71
LAMP-005	0.05kg	LAMP-BULB-005	£6.70	£7.71
LAMP-006	0.05kg	LAMP-BULB-006	£6.70	£7.71
LAMP-007	0.05kg	LAMP-BULB-007	£6.70	£7.71

TERMS AND CONDITIONS

The buyer's attention is in particular drawn to the provisions of condition 10.4.

1. Interpretation

1.1. The definitions and rules of interpretation in this condition apply in these conditions.

"Buyer": the person, firm or company who purchases the Goods from the Company.

"Company": Chester (UK) Limited (Company Number 02752012) whose registered office is situated at Chwyd Close, Hawarden Industrial Park,

Hawarden, Desseide, Chwyd CH5 3PZ.

"Contract": any contract between the Company and the Buyer for the sale and purchase of the Goods, incorporating these conditions.

"Delivery Point": the place where delivery of the Goods is to take place under condition 4.

"Goods": any goods agreed in the Contract to be supplied to the Buyer by the Company (including any part or parts of them). "INCOTERMS": the international rules for the interpretation of trade terms of the International Chamber of Commerce as in force at the date when the Contract is made.

1.2. A reference to a particular law is a reference to it as it is in force for the time being taking account of any amendment, extension, application or re-enactment and includes any subordinate legislation for the time being in force made under it.

1.3. Words in the singular include the plural and in the plural include the singular.

1.4. A reference to one gender includes a reference to the other gender.

1.5. Condition headings do not affect the interpretation of these conditions.

2. Application of terms

2.1. Subject to any variation under condition 2.3 the Contract shall be on these conditions to the exclusion of all other terms and conditions (including any terms or conditions which the Buyer purports to apply under any purchase order, confirmation of order, specification or other document).

2.2. No terms or conditions endorsed on, delivered with or contained in the Buyer's purchase order, confirmation of order, specification or other document shall form part of the Contract simply as a result of such document being referred to in the Contract.

2.3. These conditions apply to all the Company's sales and any variation to these conditions and any representations about the Goods shall have no effect unless expressly agreed in writing and signed by [a director] of the Company. The Buyer acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of the Company which is not set out in the Contract. Nothing in this condition shall exclude or limit the Company's liability for fraudulent misrepresentation.

2.4. Each order or acceptance of a quotation for Goods by the Buyer from the Company shall be deemed to be an offer by the Buyer to buy Goods subject to these conditions.

2.5. No order placed by the Buyer shall be deemed to be accepted by the Company until a written acknowledgement of order is issued by the Company or (if earlier) the Company delivers the Goods to the Buyer.

2.6. The Buyer shall ensure that the terms of its order and any applicable specification are complete and accurate.

2.7. The Company reserves the right to make any changes in the specification of the Goods which are required to conform with any applicable statutory or EU requirements and which do not materially affect their quality or performance.

2.8. Any quotation is given on the basis that no Contract shall come into existence until the Company despatches an acknowledgement of order to the Buyer. Any quotation is valid for a period of 30 days only from its date, provided that the Company has not previously withdrawn it.

3. Description

3.1. The quantity and description of the Goods shall be as set out in the Company's quotation or acknowledgement of order.

3.2. All samples, drawings, descriptive matter, specifications and advertising issued by the Company and any descriptions or illustrations contained in the Company's

catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract and this is not a sale by sample.

4. Delivery

4.1. Unless otherwise agreed in writing by the Company, delivery of the Goods shall take place at the Company's place of business.

4.2. Any dates specified by the Company for delivery of the Goods are intended to be an estimate and time for delivery shall not be made of the essence by notice. If no dates are so specified, delivery shall be within a reasonable time.

4.3. Subject to the other provisions of these conditions the Company shall not be liable for any direct, indirect or consequential loss (all three of which terms include, without limitation, pure economic loss, loss of profits, loss of business, depletion of goodwill and similar loss), costs, damages, charges or expenses caused directly or indirectly by any delay in the delivery of the Goods (even if caused by the Company's negligence), nor shall any delay entitle the Buyer to terminate or rescind the Contract unless such delay exceeds 180 days.

4.4. If for any reason the Buyer fails to accept delivery of any of the Goods when they are ready for delivery, or the Company is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licences or authorisations:

4.4.1. risk in the Goods shall pass to the Buyer (including for loss or damage caused by the Company's negligence),

4.4.2. the Goods shall be deemed to have been delivered; and

4.4.3. the Company may store the Goods until delivery, whereupon the Buyer shall be liable for all related costs and expenses (including, without limitation, storage and insurance).

4.5. The Buyer shall provide at the Delivery Point and at its expense adequate and appropriate equipment and manual labour for loading the Goods.

4.6. The Company may deliver the Goods by separate instalments. Each separate instalment shall be invoiced and paid for in accordance with the provisions of the Contract. Each instalment shall be a separate Contract and no cancellation or termination of any one Contract relating to an instalment shall entitle the Buyer to repudiate or cancel any other Contract or instalment.

5. Non-delivery

5.1. The quantity of any consignment of Goods as recorded by the Company on despatch from the Company's place of business shall be conclusive evidence of the quantity received by the Buyer on delivery unless the Buyer can provide conclusive evidence proving the contrary.

5.2. The Company shall not be liable for any non-delivery of Goods (even if caused by the Company's negligence) unless the Buyer gives written notice to the Company of the non-delivery within 7 days of the date when the Goods would in the ordinary course of events have been received.

5.3. Any liability of the Company for non-delivery of the Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.

6. Risk/Title

6.1. The Goods (including but not limited to the Goods sold on a sale or return basis) are at the risk of the Buyer from the time of delivery (or in the case of Goods to be exported from the United Kingdom, on acceptance of the Buyer's order by the Company).

6.2. Ownership of the Goods shall not pass to the Buyer until the Company has received in full (in cash or cleared funds) all sums due to it in respect of:

6.2.1. the Goods; and

6.2.2. all other sums which are or which become due to the Company from the Buyer on any account.

6.3. Until ownership of the Goods has passed to the Buyer, the Buyer shall:

6.3.1. hold the Goods on a fiduciary basis as the Company's bailee;

6.3.2. store the Goods (at no cost to the Company) separately from all other goods of the Buyer or

any third party in such a way that they remain readily identifiable as the Company's property;

6.3.3. not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; and

6.3.4. maintain the Goods in satisfactory condition and keep them insured on the Company's behalf for their full price against all risks to the reasonable satisfaction of the Company. On request the Buyer shall produce the policy of insurance to the Company.

6.4. The Buyer may resell the Goods before ownership has passed to it solely on the following conditions:

6.4.1. any sale shall be effected in the ordinary course of the Buyer's business at full market value; and

6.4.2. any such sale shall be a sale of the Company's property on the Buyer's own behalf and the Buyer shall deal as principal when making such a sale.

6.5. The Buyer's right to possession of the Goods shall terminate immediately if:

6.5.1. the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or otherwise takes the benefit of any statutory provision for the relief of insolvent debtors, or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation (whether voluntary or compulsory) except a solvent voluntary liquidation for the purpose only of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof; or documents are filed with the court for the appointment of an administrator of the Buyer or notice of intention to appoint an administrator is given by the Buyer or its directors or by a qualifying floating charge holder (as defined in paragraph 14 of Schedule B1 to the Insolvency Act 1986), or a resolution is passed or a petition presented to any court for the winding-up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer; or

6.5.2. the Buyer suffers or allows any execution, whether legal or equitable, to be levied on his/its property or obtained against him/it, or fails to observe or perform any of his/its obligations under the Contract or any other contract between the Company and the Buyer, or is unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or the Buyer ceases to trade; or

6.5.3. the Buyer encumbers or in any way charges any of the Goods.

6.6. The Company shall not be liable to recover payment for the Goods notwithstanding that ownership of any of the Goods has not passed from the Company.

6.7. The Buyer grants the Company, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or where the Buyer's right to possession has terminated, to recover them.

6.8. Where the Company is unable to determine whether any Goods are the goods in respect of which the Buyer's right to possession has terminated, the Buyer shall be deemed to have sold all goods of the kind sold by the Company to the Buyer in the order in which they were invoiced to the Buyer.

6.9. On termination of the Contract, however caused, the Company's (but not the Buyer's) rights contained in this condition 6 shall remain in effect.

7. Price

7.1. Unless otherwise agreed by the Company in writing, the price for the Goods shall be, except in cases of obvious error, the price set out in the Company's price list published on the date of delivery or deemed delivery.

7.2. The price for the Goods shall be exclusive of any value added tax and all costs or charges in relation to packaging, loading, unloading, carriage and insurance, all of which amounts the Buyer shall pay in addition when it is due to pay for the

Goods.

7.3. The price of the Goods (including but not limited to the prices set out in this catalogue) are liable to change at any time without notification.

7.4. The Company's catalogues and brochures contain a large number of Goods and it is always possible that, despite the Company's efforts, some of the Goods listed therein may be incorrectly priced. If a Good's correct price is higher than the price stated in the Company's catalogues, brochures and any other promotional material, the Company will normally at its discretion, either contact the Buyer for instructions prior to delivery of the Goods or reject the Buyer's order and notify the Buyer of such rejection.

7.5. The Company is under no obligation to provide the Goods to the Buyer at the incorrect (lower) price, even if the pricing error is obvious and unmistakable and could have reasonably been recognised by the Buyer as mispricing.

8. Payment

8.1. Subject to condition 8.4, payment of the price for the Goods is due in pounds sterling.

8.2. Time for payment shall be of the essence.

8.3. No payment shall be deemed to have been received until the Company has received cleared funds.

8.4. All payments payable to the Company under the Contract shall become due immediately on its termination despite any other provision.

8.5. The Buyer shall make all payments due under the Contract in full without any deduction whether by way of set-off, counterclaim, discount, abatement or otherwise unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by the Company to the Buyer.

8.6. If the Buyer fails to pay the Company any sum due pursuant to the Contract, the Buyer shall be liable to pay interest to the Company on such sum from the due date for payment at the annual rate of 5% above the base lending rate from time to time of HSBC BANK, accruing on a daily basis until payment is made, whether before or after any judgment. The Company reserves the right to claim interest under the Late Payment of Commercial Debts (Interest) Act 1998.

9. Quality

9.1. Where the Company is not the manufacturer of the Goods, the Company shall endeavour to transfer to the Buyer the benefit of any warranty or guarantee given to the Company.

9.2. The Company warrants that (subject to the other provisions of these conditions) on delivery, and for a period of 12 months from the date of delivery, the Goods shall:

9.2.1. be of satisfactory quality within the meaning of the Sale of Goods Act 1979; and

9.2.2. be reasonably fit for any particular purpose for which the Goods are being bought if the Buyer had made known that purpose to the Company in writing and the Company has confirmed in writing that it is reasonable for the Buyer to rely on the skill and judgement of the Company.

9.3. The Company shall not be liable for a breach of any of the warranties in condition 9.2 unless:

9.3.1. the Buyer gives written notice of the defect to the Company, and, if the defect is as a result of damage in transit to the carrier, within 7 days of the time when the Buyer discovers or ought to have discovered the defect; and the Company is given a reasonable opportunity after receiving the notice of examining such Goods and the Buyer (if asked to do so by the Company) returns such Goods to the Company's place of business at the Company's cost for the examination to take place there.

9.3.2. the Buyer makes any further use of such Goods after giving such notice; or

9.3.3. the defect arises because the Buyer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or

(if there are none) good trade practice; or

9.4.3. the Buyer alters or repairs such Goods without the written consent of the Company.

9.5. Subject to condition 9.3 and condition 9.4, if any of the Goods do not conform with any of the warranties in condition 9.2 the Company shall at its option repair or replace such Goods (or the defective part) or refund the price of such Goods at the pro rata Contract rate provided that, if the Company so requests, the Buyer shall, at the Company's expense, return the Goods or the part of such Goods which is defective to the Company.

9.6. If the Company complies with condition 9.5 it shall have no further liability for a breach of any of the warranties in condition 9.2 in respect of such Goods.

9.7. Any Goods replaced shall belong to the Company and any repaired or replacement Goods shall be guaranteed on these terms for the unexpired portion of the [12] month period.

10. Limitation of liability

10.1. Subject to condition 4, condition 5 and condition 9, the following provisions set out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to the Buyer in respect of:

10.1.1. any breach of these conditions;

10.1.2. any use made or resale by the Buyer of any of the Goods, or of any product incorporating any of the Goods; and

10.1.3. any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.

10.2. All warranties, conditions and other terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract.

10.3. Nothing in these conditions excludes or limits the liability of the Company:

10.3.1. for death or personal injury caused by the Company's negligence; or

10.3.2. under section 2(3), Consumer Protection Act 1987; or

10.3.3. for any matter which would be illegal for the Company to exclude or attempt to exclude its liability; or

10.3.4. for fraud or fraudulent misrepresentation.

10.4. Subject to condition 10.2 and condition 10.3:

10.4.1. the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of the Contract shall be limited to the Contract price; and

10.4.2. the Company shall not be liable to the Buyer for loss of profit, loss of business, or depletion of goodwill in each case whether direct, indirect or consequential, or any claims for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the Contract.

11. Assignment

11.1. The Company may assign the Contract or any part of it to any person, firm or company.

11.2. The Buyer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company.

12. Force majeure

The Company reserves the right to defer the date of delivery or to cancel the Contract or reduce the volume of the Goods ordered by the Buyer (without liability to the Buyer) if it is prevented from or delayed in the carrying on of its business due to circumstances beyond the reasonable control of the Company including, without limitation, acts of God, governmental actions, war or national emergency, acts of terrorism, protests, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, strikes, import or export embargoes, or other labour disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials, provided that, if the event in question continues for a continuous period in excess of (30) days, the Buyer shall be entitled to give notice in writing to the Company to terminate the Contract.

13. Export Terms

13.1. Unless the context otherwise

requires, any term or expression which is defined in or given a particular meaning by the provisions of INCOTERMS shall have the same meaning in these Conditions, but if there is any conflict between the provisions of INCOTERMS and these Conditions, the latter shall prevail.

13.2. Where the Goods are supplied for export from the United Kingdom, the provisions of this condition 13 shall (subject to any special terms agreed in writing between the Buyer and the Company apply notwithstanding any other provision of these Conditions).

13.3. The Buyer shall be responsible for complying with any legislation or regulations governing the importation of the Goods into the country of destination and for the payment of any duties on them.

13.4. [The Buyer shall be responsible for arranging for testing and inspection of the Goods at the Company's place of business before shipment. The Company shall have no liability for any claim in respect of any defect in the Goods which would be apparent on inspection and which is made after shipment, or in respect of any damage during transit.]

14. General

14.1. Each right or remedy of the Company under the Contract is without prejudice to any other right or remedy of the Company whether under the Contract or not.

14.2. If any provision of the Contract is found by any court, tribunal or administrative body of competent jurisdiction to be wholly or partly illegal, invalid, void, voidable, unenforceable or unreasonable it shall to the extent of such illegality, invalidity, voidness, unenforceability or unreasonableness be deemed severable and the remaining provisions of the Contract and the remainder of such provision shall continue in full force and effect.

14.3. Failure or delay by the Company in enforcing or partially enforcing any provision of the Contract shall not be construed as a waiver of any of its rights under the Contract.

14.4. Any waiver by the Company of any breach of, or any default under, any provision of the Contract by the Buyer shall not be deemed a waiver of any subsequent breach or default and shall in no way affect the other terms of the Contract.

14.5. The parties to the Contract do not intend that any term of the Contract shall be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it.

14.6. The formation, existence, construction, performance, validity and all aspects of the Contract shall be governed by English law and the parties submit to the exclusive jurisdiction of the English courts.

15. Communications

15.1. All communications between the parties about the Contract shall be in writing and delivered by hand or sent by pre-paid first class post or sent by fax:

15.1.1. (in case of communications to the Company) to its registered office or such changed address as shall be notified to the Buyer by the Company; or

15.1.2. (in the case of the communications to the Buyer) to the registered office of the addressee (if it is a company) or (in any other case) to any address of the Buyer set out in any document which forms part of the Contract or such other address as shall be notified to the Company by the Buyer.

15.2. Communications shall be deemed to have been received:

15.2.1. if sent by pre-paid first class post, two days (excluding Saturdays, Sundays and bank and public holidays) after posting (exclusive of the day of posting); or

15.2.2. if delivered by hand, on the day of delivery; or

15.2.3. if sent by fax on a working day prior to 4.00 pm, at the time of transmission and otherwise on the next working day.

15.3. Communications addressed to the Company shall be marked for the attention of (Chris O'Hare)

Lathe - Oil Country CNC.....	53	Notcher.....	120	Slings.....	137	Vertical And Horizontal Milling Machine.....	69
Lathe - Pipe Turning.....	51	Notcher - Tube.....	120	Slip Rolls.....	118,126	Vertical Bandsaw.....	115
Lathe - Woodworking.....	198	NVR Switch.....	182	Slitting Saw Arbor.....	177	Vertical Bandsaw - Wood.....	199,200
Lathe Carriers.....	154	O		Slitting Saws.....	177	Vertical Boring Machine.....	91
Lathe Centers.....	150	Oil Country Lathe.....	51	Slot Drill And End Mill Sets.....	177	Vertical Slides.....	159,161
Lathe Chuck Adaptor Plates.....	153	Oil Country Lathe - CNC.....	53	Slot Drills.....	179	Vice - CNC.....	158
Lathe Chucks.....	151,152	Outside Micrometer.....	163	Slot Drills - Ball Nose.....	178	Vice - Drilling.....	158
Lathe CNC Oil Country.....	53	Overalls.....	137	Slotting Head.....	189	Vice - Multi-Power.....	158
Lathe CNC Pipe Turning.....	53	P		Sockets - Electrical.....	182	Vice - Sine.....	159
Lathe Collet Chucks.....	154	Pallet Truck.....	132	Soft Arbors.....	150	Vice - Split.....	158
Lathe Guards.....	189	Paralels.....	167	Soft Jaws.....	153	Vice - Tilting.....	160
Lathe Tool Grinders.....	176	Parallel Blocks.....	167	Spin Indexer - 5c.....	146	Vice - Toolmaker's.....	159
Lathe Tool Holders - HSS.....	171	Parting Off Tools.....	177	Split Vice.....	158	Vices.....	158-160
Lathe Tool Post.....	148,149	PARts Washer.....	133	Squares.....	165	W	
Lathe Tool Sets.....	171-175	Pedestal Milling And Drilling Machine.....	66	Stands For Machines.....	135	Warrior Bed Type Milling Machine.....	86
Lathe Tools.....	171	Pillar Type Drilling Machine.....	95,101	Steel Centers.....	150	Washer Tank.....	133
Lathe Tools - Brazed Carbide.....	171-172	Pin Punches.....	181	Steel Rule.....	164	Webbed Angle Plates.....	162
Lathe Tools - Indexable.....	173-175	Pipe Turning Lathe.....	51	Step Collets - 5c.....	146	Welder.....	132
Lathe Tools Set- Hss.....	175	Pipe Turning Lathe - Cnc.....	53	Step Up Sleeves.....	147	Wheel Grinder.....	19
Lathe/Mill/Drill - Centurion.....	32,33	Planer Thicknesser.....	193,194	Step-On Coolant Tray - Turret Mill.....	74	Winch.....	133
Lathe/Mill/Drill-Model B.....	31	Plugs And Sockets.....	182	Stirling Lathe.....	50	Wood Cutting Bandsaw.....	199,200
Leicester 28 Toolroom Milling Machine.....	76	Polisher.....	19	Straps.....	137	Woodworking - Combination Machine.....	195-197
Leicester 32 Toolroom Milling Machine.....	82	Power Feed Drives.....	186	Stub Milling Arbor.....	147	Woodworking Accessories.....	209,210
Leicester 40 Toolroom Milling Machine.....	82	Power Hacksaw.....	116	Super Lux Milling Machine.....	65	Woodworking Benches.....	208
Levels.....	166	Powered Slip Rolls.....	126	Surface Grinder.....	12-17	Woodworking Lathe.....	198
Levels - Angle.....	168	Pozi-Lock Collet Chuck.....	141	Surface Marking Block.....	164	Woodworking Machine.....	207
Lever Dial Gauge.....	164,165	Pr50 Drilling Machine.....	100,101	Surface Plates.....	165	Worcester 30 Universal Milling Machine.....	84
Lifting Equipment.....	136	Pr50A Drilling Machine.....	100,101	Swing Beam Shear.....	127	Work Holding Equipment.....	149-161
Linisher.....	19	Pr60 Drilling Machine.....	100,101	Switch - Machine.....	182	Workbenches.....	208
LitEratuRe.....	190	Pr80+ Drilling Machine.....	100,101	Switch NVR.....	182	Workwear.....	137
Live Centers.....	150	Precision Levels.....	166	T			
Long Milling Arbor.....	147	Precision Parallels.....	167	T Mill.....	69		
Lux Milling Machine.....	64	Press - Arbor.....	122	T Slot Cutters.....	180		
Lux Milling Machine - Round Column.....	63	Press Brake.....	129	Table - Tilting.....	160		
Lux Pedestal Milling And Drilling Machine.....	66	Press Brake - Hydraulic.....	129	Tailstocks.....	156		
M		Presses.....	136	Taper Adaptors.....	147		
Machine Clamps.....	155	Pro Vs Drilling Machine.....	98	Taper Sleeves.....	147		
Machine Guards.....	189	Pro17-V Drilling Machine.....	96	Tapping Heads.....	148		
Machine Lamps.....	183	Pro18-V Drilling Machine.....	96	Test Bars.....	163		
Machine Levels.....	166	Pro20 Drilling Machine.....	97	Test Equipment.....	166,182		
Machine Mounts.....	187	Pro20-Vs Drilling Machine.....	98	Thicknesser.....	193,194		
Machine Stands.....	135	Pro25 Drilling Machine.....	97	Tilting Angle Plate.....	160		
Machine Vices.....	158-160	Pro25-Vs Drilling Machine.....	98	Tilting Angle Plate.....	162		
Machinist's Jack.....	155	Pro30-Vs Drilling Machine.....	98	Tilting Table.....	160		
Magnabend.....	125	Protractor - Bevel.....	168	Tilting Table.....	162		
Magnetic Base.....	163	Punch - Hand Operated.....	120	Toe Jacks.....	132		
Magnetic Chucks.....	189	Punches - Centre.....	181	Tool Grinder.....	4-10		
Mandrels - Expanding.....	150	Punches - Pin.....	181	Tool Grinding Machine - Lathe Tool.....	176		
Magnifier With Lamp.....	183	Q		Tool Holders - Quick Change.....	148,149		
Marshall Lathe.....	48	QUick Change Tool Post.....	149	Tool Post - Lathe.....	148,149		
Measuring Scales - Digital.....	169	Quill Measurement - Digi-Quill.....	74	Tool Post - Quick Change.....	149		
Measuring Tool Set.....	168	R		Tool Steel.....	172		
Measuring Tools.....	163-170	R* Collet Chucks.....	143	Toolbox.....	134		
Metal Folder.....	123-124,128	R8 Adaptors.....	147	Toolholding Equipment.....	142-149		
Metal Former Kit.....	121	R8 Collets.....	143	Toolmakers' Clamps.....	154		
Metal Shear.....	122,127	R8 Sleeves.....	147	Toolmaker's Vice.....	159		
Metalworker.....	130	Radial Drilling Machine.....	102,103	Toolroom Milling Machine - Leicester 32.....	82		
Metrology Equipment.....	163-170	Raiser Blocks - For Turret Mills.....	74	Toolroom Milling Machine - Leicester 40.....	82		
Micro Drill.....	55	Ratchet Straps.....	137	Transfer Punches.....	181		
Micro Mill.....	55	Rd100 Radial Drilling Machine.....	102,103	Transformer - For Power Feed.....	185		
Micrometer Digital.....	169	Rd125 Radial Drilling Machine.....	102,103	Triumph Universal Milling Machine.....	80		
Micrometer Stand.....	165	Rd150 Radial Drilling Machine.....	102,103	T-Slot Cleaner.....	184		
Micrometers.....	163	Rd175 Radial Drilling Machine.....	102,103	Tube Notcher.....	120		
Mill - Conquest.....	57	Rd40 Radial Drilling Machine.....	102,103	Turning Machine - Vertical.....	91		
Mill DRill.....	61, 62, 66	Rd50 Radial Drilling Machine.....	102,103	Turret Mill - Milpwr CNC.....	75		
Milling And Drilling Machine.....	61, 62, 66	Rd75 Radial Drilling Machine.....	102,103	Turret Mill - Power Feed.....	185		
Milling And Drilling Machine - Pedestal.....	66	Reader Hea.....	169	Turret Mill - Slideway Covers.....	74		
Milling Arbor - Long.....	147	Rebar Cutter.....	121	Turret Milling Machine.....	67-74		
Milling Arbor - Stub.....	147	Reducing Sleeves.....	147	Twist Drills.....	178		
Milling Attachment - Horizontal.....	187	Rolls.....	118,126	U			
Milling Guards.....	189	Rotary Table.....	156	U40 Universal Milling Machine.....	83		
Milling Machine - Bed Type.....	86,87	Rotary Tables - Dividing Plates.....	156	Universal Cylindrical Grinder.....	18		
Milling Machine - Bench.....	58, 59	Rotary Tables - Tailstock.....	156	Universal Dividing Heads.....	157		
Milling Machine - Bridge Port Type.....	70-74	Rotary Vices.....	158-160	Universal Grinder.....	11		
Milling Machine - Lux Round Column.....	63	Rotating Centers.....	150	Universal Milling Machine.....	76-84		
Milling Machine - Micro.....	55	Rule - Steel.....	164	Universal Milling Machine - 260 Series.....	81		
Milling Machine - Mini.....	55	S		Universal Milling Machine - 300 RTV.....	79		
Milling Machine - Universal.....	76-84	SaNder - Belt.....	138,204,205	Universal Milling Machine - 460rt.....	85		
Milling Vice - Tilting.....	160	Sander - Disc.....	138,204,205	Universal Milling Machine - 560rt.....	85		
Milling Vices.....	158-160	Saw - Fret.....	201	Universal Milling Machine - Triumph.....	80		
Milpwr CNC Milling Machine.....	75	Scrapers.....	181	Universal Milling Machine - U40.....	83		
Model B.....	31	Sh330 Swivel Bandsaw.....	110	Universal Milling Machine - Worcester 30.....	84		
Morse Taper Collet.....	143	Shaping Machine.....	92	Universal V Block.....	161		
Morse Taper Sleeves.....	147	Shear.....	122,127	V			
Mortising Machines.....	201	Shearing Machine.....	127	V Blocks.....	161		
Motor Starter.....	182	Shears - Hand Operated.....	122	Valiant Lathe.....	46,47		
Motors.....	183	Sine Vice.....	159	Vanguard Milling Machine.....	77		
Mounting Block.....	160	Skates.....	132	Variable Speed Inverters.....	182		
Mounting Block.....	162	Skids.....	132	Vernier Caliper.....	168		
Mounting Pads For Machine Tools.....	187	Sleeves - Morse Taper.....	147	Vernier Height Gauge.....	164		
Multi-Power Vice.....	158	Sleeves R8.....	147				
Multi-Former.....	119	Slideway Covers.....	74				
Multimeters.....	182						
N							
Notched Centre.....	150						