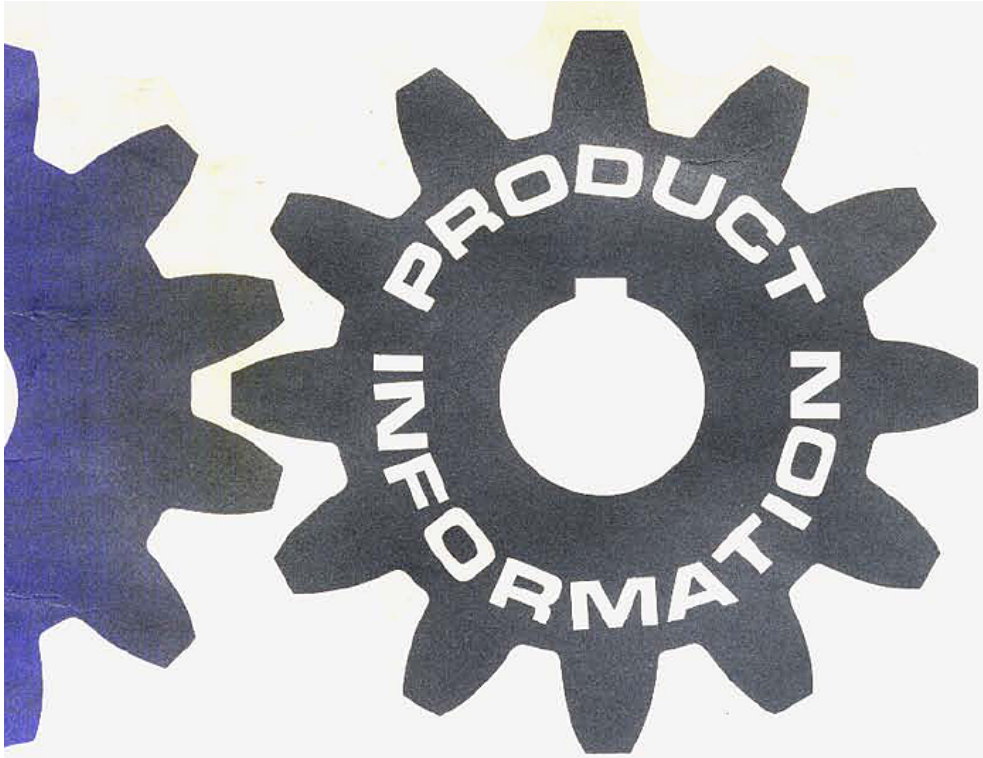


Specifications & Prices

COWELL ENGINEERING LIMITED

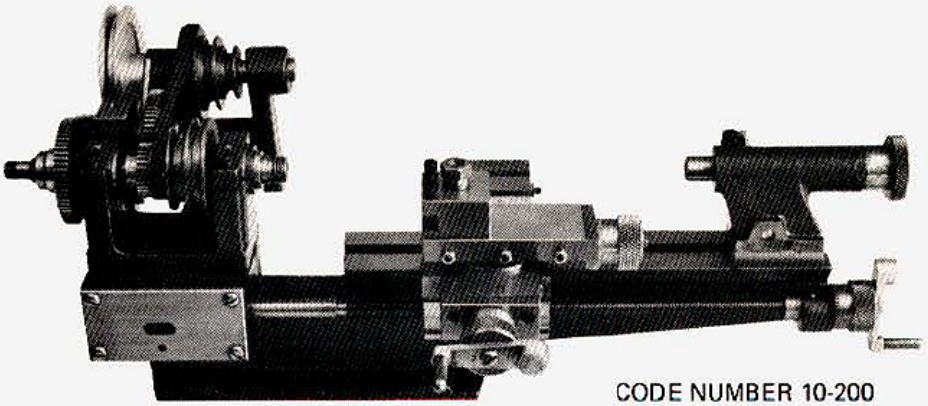
95—101 OAK STREET
NORWICH
NORFOLK
ENGLAND

TELEPHONE 614521

TELEX 975205

£154·15

Constructed on sound principles using cast iron and steel for all major components. Gib strips fitted to allow adjustment for wear.



CODE NUMBER 10-200

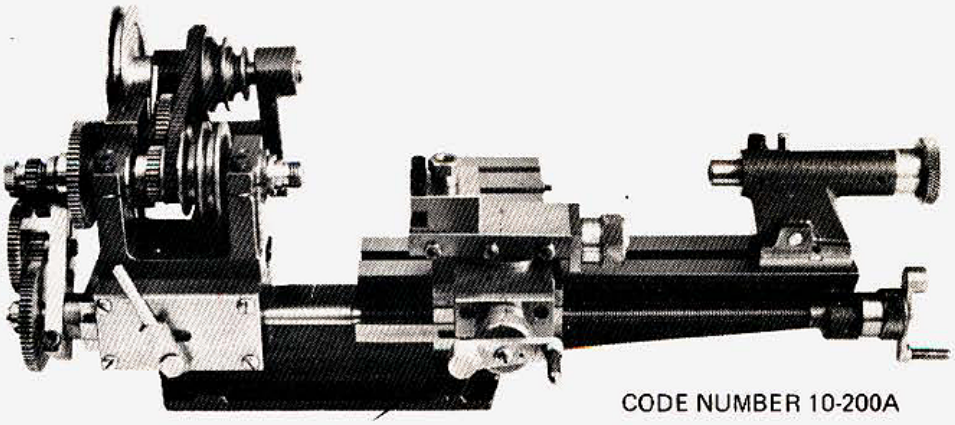
The basic lathe 10-200 comprising headstock, lathe bed, saddle, compound slide, single tool post, tailstock, backgear, lead screw and set of allen keys.

COWELLS 90 LATHE

A RUGGED HIGHLY ACCURATE AND VERSATILE TOOL

£173·43

A compact lathe which will handle all kinds of machining operations likely to be required by the model engineer.



CODE NUMBER 10-200A

The basic lathe (10-200) comprising headstock, lathe bed, saddle, compound slide, single tool post, tailstock, backgear, lead screw and set of allen keys. Plus auto traverse.

£246·85



CODE NUMBER 10-200B

As for (10-200A) plus lathe stand with motor, relay, reversing switch and cable. Fitted with hinged headstock cover.

SPECIFICATIONS

Centre height	1¾"	(44mm)
Dist. between centres	8"	(200mm)
Swing over bed	3½"	(88mm)
Swing in gap	4¾"	(120mm)
Swing over cross slide	1·7/8"	(47mm)
Tailstock barrel travel	1¼"	(32mm)
Cross slide travel	3½"	(89mm)
Compound slide travel	1½"	(38mm)

Speeds ungeared	880	500	280
Speeds geared	188	107	60

Spindle nose thread 14 x 1.5mm
Spindle bore ¼" (6.35mm)
Spindle and tailstock taper modified 'O' morse

Leadscrew thread 1.00mm pitch, the screw cutting gear set available will enable the ISO range of metric pitches to be cut.

Electrics Model 10-200B is supplied with a single phase 220/240V 1/12HP motor with a 1" diameter pulley.

YOUR STOCKIST—

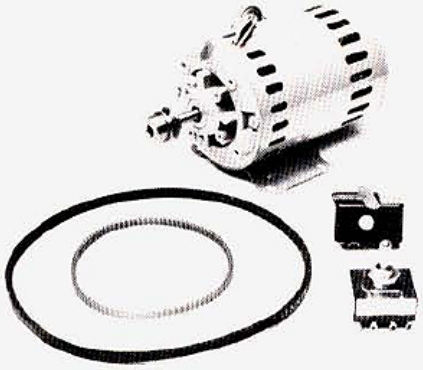
Weights (Approx kg)	10-200	07.83
	10-200A	08.36
	10-200B	17.00

Dimensions (Approx)			
	L	H	D
10-200	18"	6½"	11"
10-200A	..	..	..
10-200B	18"	12¼"	11"

Prices of machines and accessories do not include VAT which will be charged at the prevailing rate.

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COWELLS GENUINE ACCESSORIES



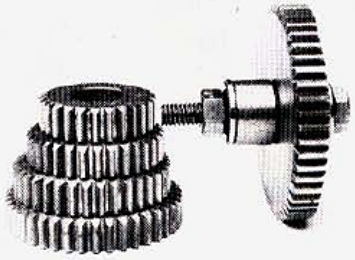
MOTOR KIT

220/240 V AC Motor 1425 r.p.m.
Relay, forward—off—reverse switch, drive belt, wiring diagram and 1" diameter pulley.

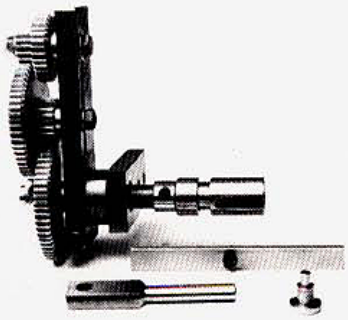
Code number 10-202 £20.74

Complete set to cut range of ISO metric threads shown on accompanying chart.
Set comprises— 1 - 50T gear
1 - 40T gear
1 - 35T gear
2 - 30T gear
1 - 25T gear
1 - 32T gear (not illustrated)

Code number 10-206 £15.00



SCREW CUTTING GEARS

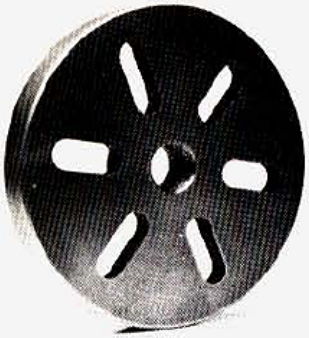


AUTO–TRAVERSE KIT

Auto-traverse kit supplied with fitting instructions.

Code number 10-201 £22.60

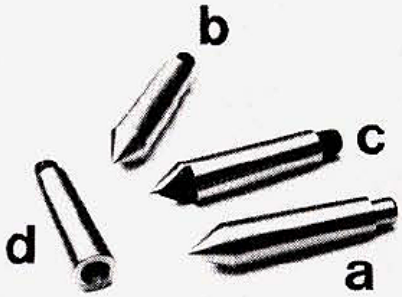
COWELLS GENUINE ACCESSORIES cont.



90mm diameter cast iron face plate with six slots.

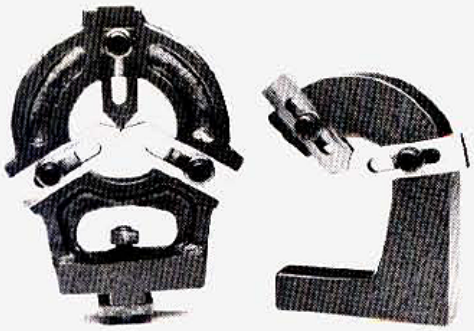
Code number 10-209 **£2.95**

FACE PLATE



A. Soft centre	**Code number 10-210**	**£1.50**
B. Hard centre	**Code number 10-211**	**£1.74**
C. Half centre	**Code number 10-212**	**£1.97**
D. Hollow centre	**Code number 10-213**	**£1.67**

CENTRE



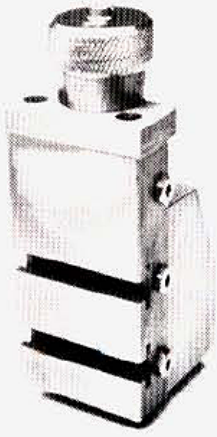
A. Fixed steady.

Code number 10-214 **£6.94**

B. Travelling steady.

Code number 10-215 **£5.55**

A. FIXED STEADY
B. TRAVELLING STEADY



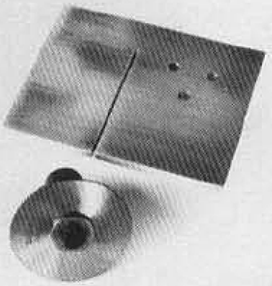
A robust vertical milling slide fitted with a gib strip and backlash adjustment. Graduated knob. 1·1/4" (32mm) travel. Table 3" x 1·1/2" (76 x 38mm). Supplied with fixing stud and nut.

Code number 10-216 **£20.39**

VERTICAL MILLING SLIDE

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COWELLS GENUINE ACCESSORIES cont.



SLITTING SAW

Slitting saw attachment comprising saw blade, arbor, saw table and table support.
Saw blade 1/32" wide (0.70mm).

Code number 10-220 £13.85

Spare blade
Code number 10-220A £2.85

Collet adapter, one piece body with knurled nut.

Code number 10-221 £7.38

Set of metric collets 3, 4, 5 and 6mm diameter.

Code number 10-222 £7.72

Set of imperial collets 3/32", 1/8", 3/16", and 1/4" diameter.

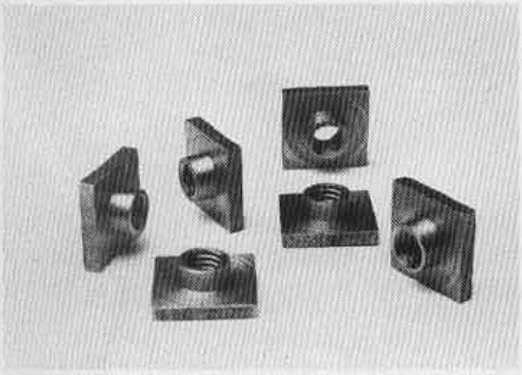
Code number 10-222A £7.72

Blank collet (not bored or slit)

Code number 10-222B £0.95



COLLET ADAPTER WITH COLLETS



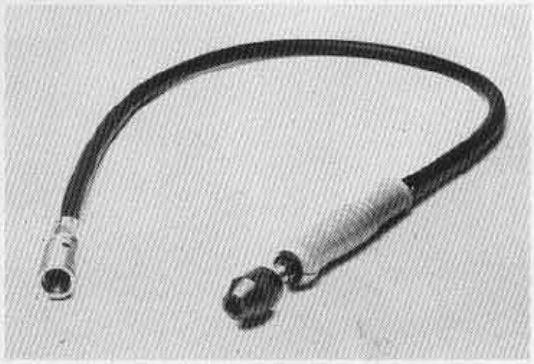
TEE NUTS

Set of six 5mm tee nuts.

Code number 10-231 £1.97

Flexible drive shaft with chuck and adapter to suit lathe spindle.

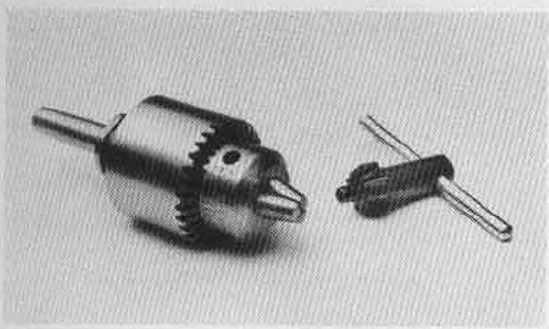
Code number 10-235 £5.55



FLEXIBLE DRIVE SHAFT

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MANUFACTURERS OF ENGINEERS SMALL MACHINE TOOLS

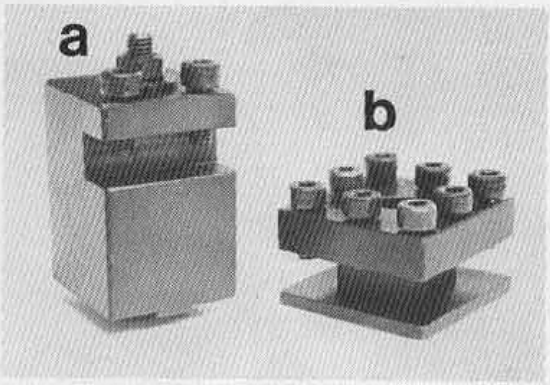
COWELLS GENUINE ACCESSORIES



1/4" DRILL CHUCK AND KEY

1/4" drill chuck and key with fitted arbor.

Code number 10-223 £5.76



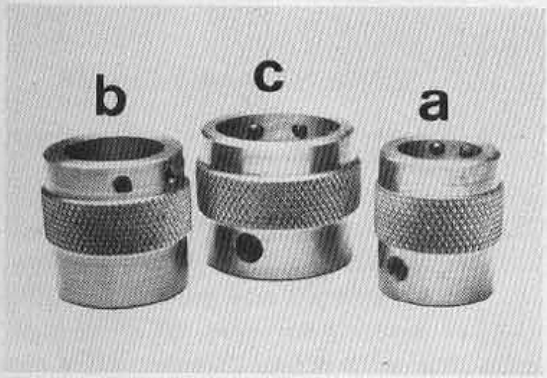
A. REAR TOOL POST
B. FOUR WAY TOOL POST

A. Rear tool post.

Code number 10-224 £3.88

B. Four way tool post.

Code number 10-225 £4.75



DIE HOLDER

Die holder to suit standard button dies.

A. 13/16" diameter.

Code number 10-226 £3.10

B. 1" diameter.

Code number 10-227 £3.52

C. 1·15/16" diameter.

Code number 10-228 £3.98

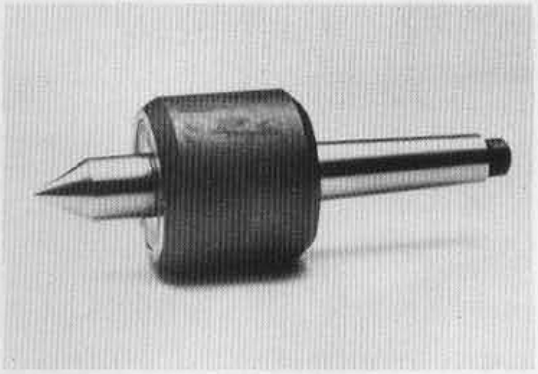
TOOLS

Set of six tungsten carbide tipped tools.	Code number 10-229	£8.58
1/2 set of high speed steel tools (6) 1 - 6.	Code number 10-230	£11.27
1/2 set of high speed steel tools (6) 7 - 12.	Code number 10-230A	£11.27
Set of six high speed steel blanks.	Code number 10-230B	£3.12

COWELLS GENUINE ACCESSORIES cont.

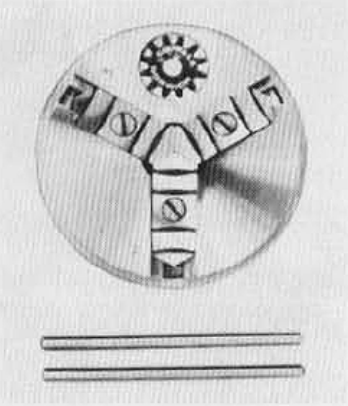
Rotating centre.
Sturdy rotating centre designed for accurate continuous running.
Multi stage seal retains lubricant and excludes swarf.
Spindle hardened and tempered to 57–60 Rockwell 'C'.
Point is ground in its own bearings and is guaranteed to run within 0.0003" T.I.R.

Code number B206 £10.98



ROTATING CENTRE

TWO CHUCKS DESIGNED AND MANUFACTURED FOR THE COWELLS 90 LATHE BY PRATT BURNERD



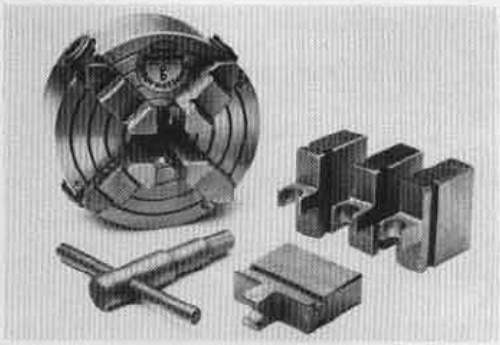
THREE JAW SCROLL CHUCK

3 jaw scroll chuck.
65mm diameter.
BODY medium carbon steel ground on face and outside diameter. JAWS reversible, nickel chrome steel. Case hardened and ground on sliding and work locating surfaces. SCROLL AND BASE JAWS high quality steel, machined to fine tolerances to ensure durability and self centering accuracy to within 0.075mm. Supplied with two tommy bars.

Code number 10-208 £30.17

Soft jaws (blanks).

Code number 10-208A £4.44



INDEPENDENT 4 JAW CHUCK

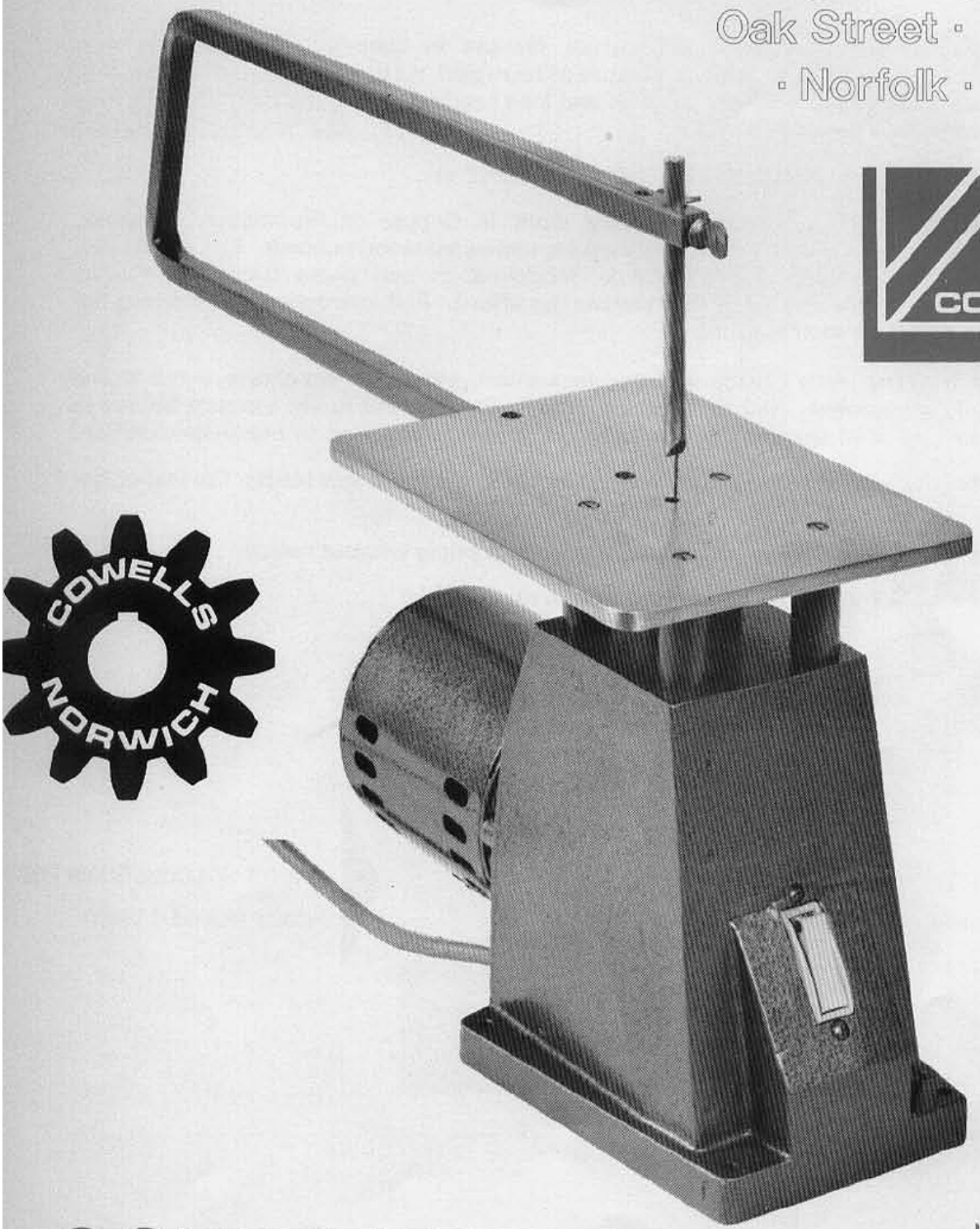
Independent 4 jaw chuck.
65mm diameter.
BODY steel, ground on outside diameter and face. JAWS reversible nickel chrome steel. Case hardened and ground on sliding and work locating surfaces. SCREW high tensile steel with rolled threads. KEY case hardened.

Code number 10-207 £26.23

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· Norfolk · England

COWELLS



COWELLS NORWICH

COWELLS JIGSAW

WITH 15" ARM
£59·90
WITH 20" ARM
£65·45

COWELLS JIGSAW

SPECIFICATION

Widely accepted by Educational Authorities for use in Schools. Hospitals use it in Occupational Therapy Units. Popular because of its rugged, no nonsense design with built in safety features, the large diameter spindles and long bearings enable the machine to be used for long continuous periods of work.

Cuts WOOD, PLASTIC, THIN METALS, SLATE, BONE etc.

Use it for Toymaking, Abstract Jewellery work in Copper or Aluminium, Fretwork, Preparing segments for Woodturning when making laminated wooden bowls. Cut plastic tiles to fit round odd shaped skirting boards, Modelmakers and home handymen find it indispensable. All this at a price that anyone can afford. Full instructions for working the saw are supplied with each machine.

The body is a one piece casting and the mechanism, which has a ballrace fitted to the pitman, is fully enclosed. The spindles are large in diameter and run in a bronze bearing to ensure many years of trouble free life. The crankshaft is balanced to minimise vibration.

We offer for use with these machines a range of fine quality fret saw blades. See leaflet No. CE/A004.

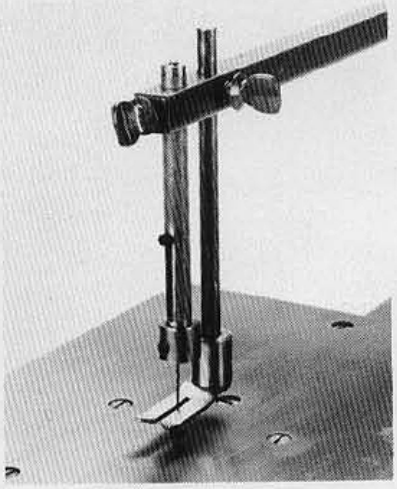
We reserve the right to alter specifications, designs and prices without notice.

Prices exclude VAT which will be charged at prevailing rate.

Accessories available—

SPRING RETURN ATTACHMENT

CODE NUMBER 11-230



WORK HOLDING DOWN FOOT

CODE NUMBER 11-231

YOUR STOCKIST—

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COWELLS GENUINE ACCESSORIES

The following types and grades of saw blades are recommended for use with the Cowells jigsaw machine.

FOR WOOD AND PLASTICS

Type 570 a high grade fast cutting blade with wide spaced teeth and a rounded back. A fast cutting blade suitable for coarse work.
Grades stocked 3, 5, 7, 9, 11 price £0.48 packet of 12

Type 560 as above but with double tooth arrangement for fast cutting with a fine finish.
Grades stocked 3, 5, 7, 9, 11 price £0.48 packet of 12

Type 600 a fast cutting economically priced blade with wide spaced teeth. Suitable for coarse work.
Grades stocked 2, 4, 6 price £0.24 packet of 12

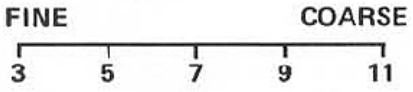
Type 515 as above but with narrow spaced teeth. For fine cutting at low feed rates.
Grades stocked 2, 4, 6 price £0.24 packet of 12

PIERCING SAWS FOR METAL

Type 720 a first class well proved piercing saw blade with rounded back.
Grades stocked 3, 5, 7, 9, 11 price grades 3 and 5 £0.96 packet of 12
price grades 7 and 9 £1.35 packet of 12
price grade 11 £1.60 packet of 12

Type 620 a special piercing saw for cutting in all directions, suitable for working plaster.
Grades stocked 1, 3, 5 price £0.72 packet of 12

SAW TOOTH GRADING



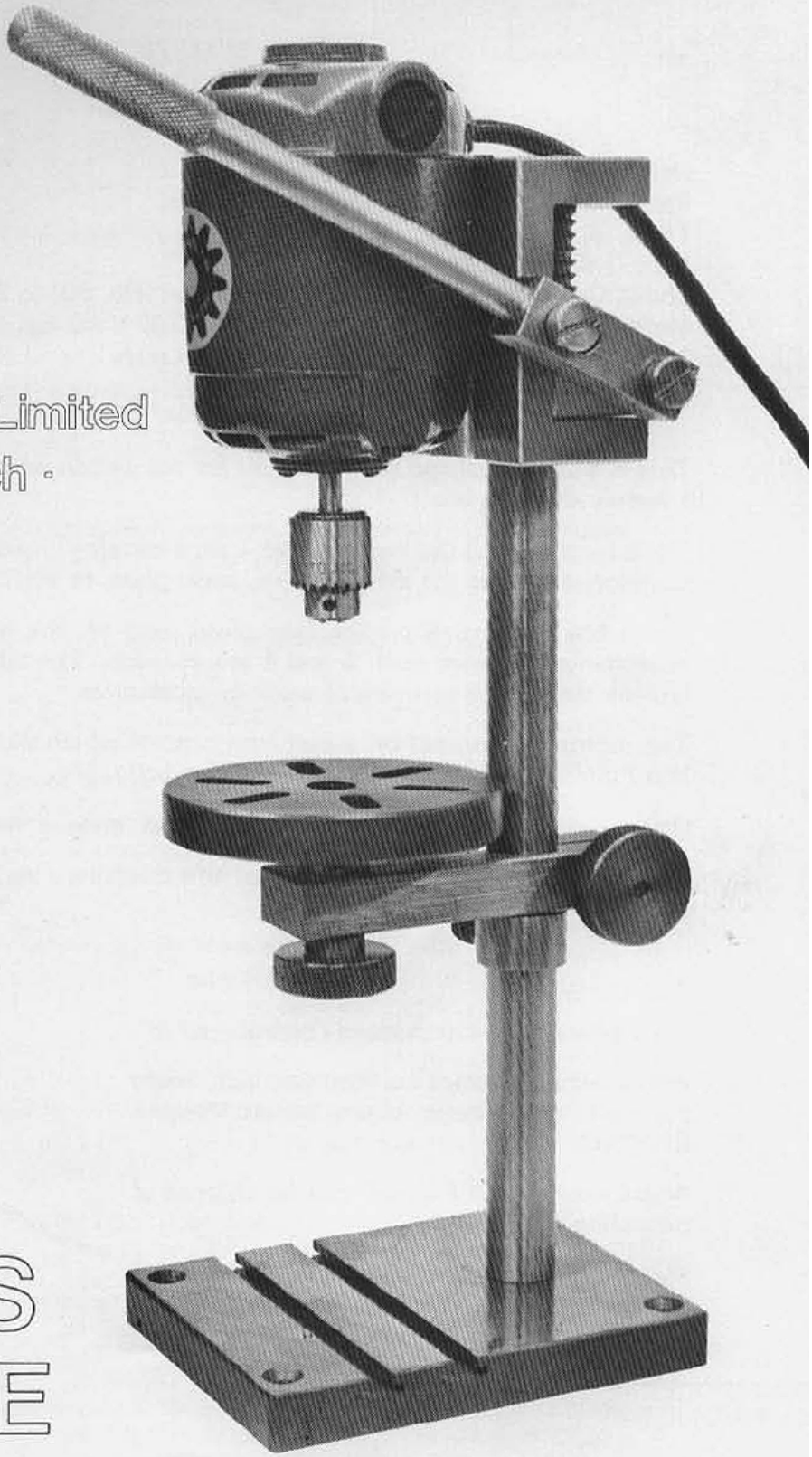
SAW GUIDES The fitted saw guide is suitable for blades up to grade 9. For grade 11 blades a wider slot is required and this is available as Code No. 11–13A price £2.24.

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COWELLS

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COWELLS NORWICH



COWELLS MINIATURE DRILLING MACHINE

£74·75

COWELLS MINIATURE DRILLING MACHINE

SPECIFICATIONS

Height	—	350mm
Base	—	127mm x 101mm
Table	—	90mm diameter
Max. Drilling Depth		19mm
Chuck Capacity		.344mm diameter (No. 80) to 3.97mm diameter (5/32")
Motor	—	1/8 H.P. — 230/250 V 50 Hz. with 2.4M (8ft.) cable.

Approximate free running speed — 10,00 r.p.m.

This is a light precision drill designed for the person who needs to drill small precise holes in a variety of materials.

The base is ground flat and has two T slots running crosswise, designed to accept COWELLS accessories such as the machine vice, angle plate, or vertical milling slide.

The table is identical to the face plate used on the Model 90 lathe, and therefore it is interchangeable with both 3 and 4 jaw chucks. The table is fully adjustable, vertically and radially slotted for securing of work or accessories.

The motor is mounted on a cast iron bracket which slides on the precision ground column. It is fully adjustable both vertically and radially.

Operation is by a knurled lever arm and gives a maximum of 19mm drilling depth.

To further enhance the versatility of this machine a variable speed foot control is available.

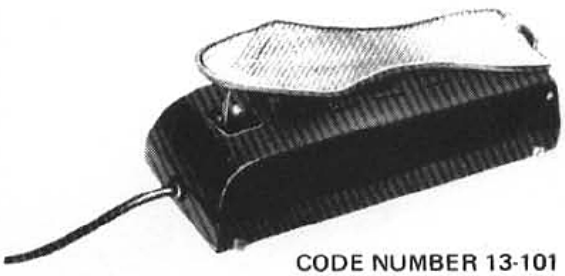
Accessories

Foot operated variable speed control. £7.90.

For other accessories i.e. machine vice, angle plate etc. see lathe accessory leaflet Number CE/A002.

Prices exclude VAT which will be charged at prevailing rate.

We reserve the right to alter specifications, designs and prices without notice.



CODE NUMBER 13-101

YOUR STOCKIST—

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