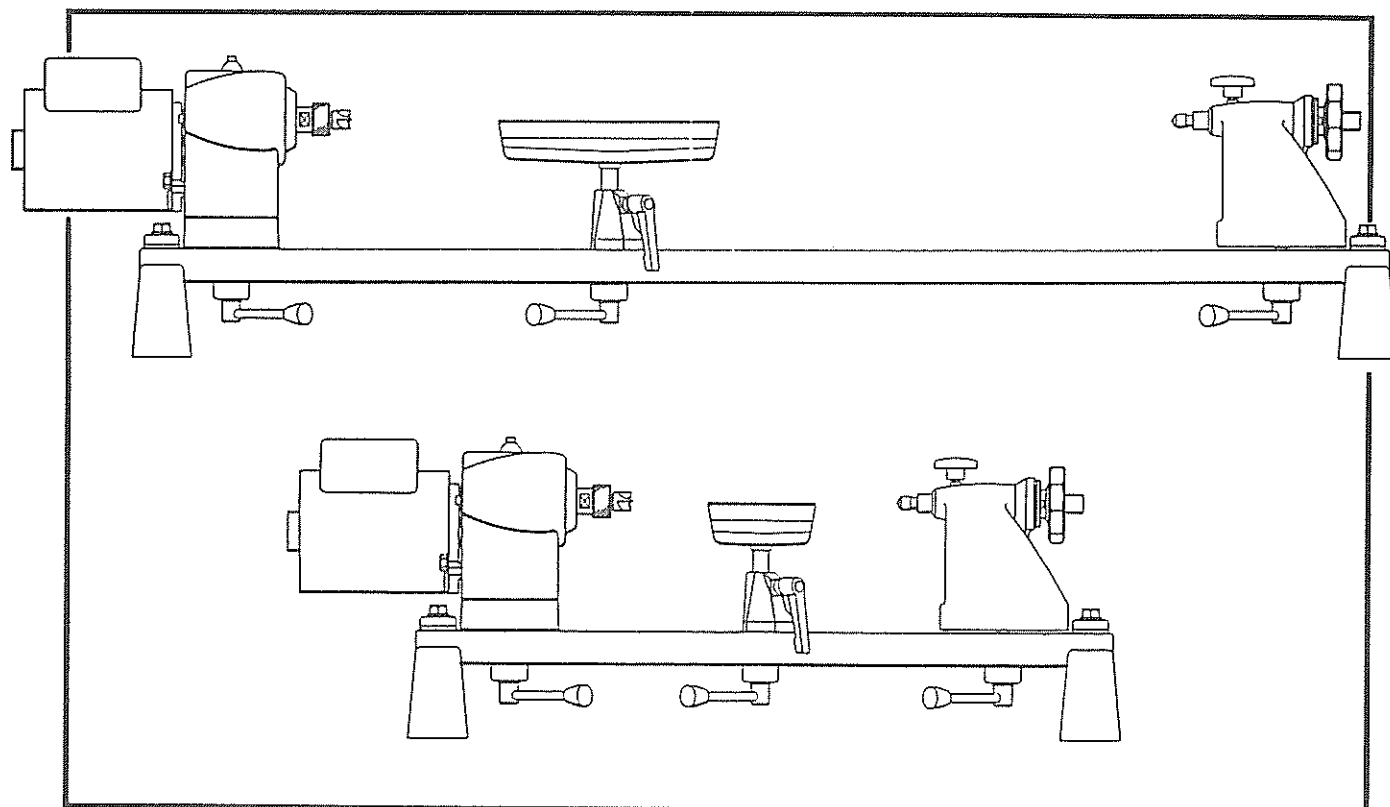


Record

Est. 1898
Sheffield
England

POWER TOOLS

INSTRUCTION MANUAL



WOODTURNING LATHES

CL1 36 x 15
CL5 12 x 15

RECORD POWER LTD., PARKWAY WORKS, SHEFFIELD, S9-3BL
PHONE: (0114) 244 9066 FAX: (0114) 243 4302 / 261 7141
Registered in England No. 2187464

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BENONI SOUTH
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THE CE MARK

THE CE MARK ON THIS MACHINE DENOTES COMPLIANCE WITH MACHINERY DIRECTIVE 89/392/EEC AS AMENDED BY 91/368/EEC, 93/44/EEC & 93/68/EEC.

NOISE EMISSION

NOISE EMISSION < 85dB(A)

ENVIRONMENT

CONSIDERATIONS OF ENVIRONMENTAL ISSUES ARE AN INTEGRAL PART OF THE DESIGN, PRODUCTION AND OTHER ASSOCIATED ASPECTS OF THIS PRODUCT AND ALL REASONABLE ENVIRONMENTALLY FRIENDLY OPTIONS HAVE BEEN ADOPTED THROUGHOUT.

USERS ARE ADVISED TO CONSIDER ENVIRONMENTAL ISSUES ASSOCIATED WITH THE USE OF THIS PRODUCT, PARTICULARLY THE USE OF A DUST EXTRACTION SYSTEM.

IT IS ADVISABLE THAT THE USER SHOULD SATISFY HIMSELF OR HERSELF THAT ANY TIMBER USED FOR WORKPIECES ORIGINATES FROM PROPERLY MANAGED FORESTS.

DEAR CUSTOMER,

THANK YOU FOR INVESTING IN A RECORD POWER WOODTURNING LATHE.
LIKE ALL OUR PRODUCTS, IT IS MADE TO THE HIGHEST PRODUCTION STANDARDS
AND IS DESIGNED TO GIVE YOU YEARS OF SATISFYING SERVICE.

A COMPLETE LIST OF ACCESSORIES IS INCLUDED AT THE END OF THIS MANUAL
TO ENHANCE YOUR ENJOYMENT IN WOODTURNING.

PLEASE DO NOT FORGET TO FILL IN AND RETURN YOUR GUARANTEE CARD.

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SAFETY

SAFETY

IT IS ESSENTIAL THAT ADEQUATE KNOWLEDGE SHOULD BE GAINED IN THE OPERATION AND SAFETY OF WOOD TURNING LATHES, EITHER THROUGH A TURNING MANUAL OR BY INSTRUCTION FROM AN EXPERIENCED TURNER BEFORE USING THE MACHINE. REMEMBER THAT ROTATING MACHINERY AND WORK ARE DANGEROUS, HAIR AND LOOSE CLOTHING SHOULD THEREFORE BE KEPT WELL CLEAR OF THE ROTATING PARTS. ALWAYS ENSURE THAT THE TURNING TOOL IS IN CONTACT WITH THE TOOL REST BEFORE COMMENCING THE CUT.

THE LATHE SHOULD NEVER BE RUN WITH THE LID OFF THE HEADSTOCK.

WHEN THE BANJO UNIT IS NOT IN USE (AS WHEN SANDING) IT SHOULD BE MOVED AWAY FROM THE HEADSTOCK AND THE TOOLREST REMOVED.

AT ALL TIMES WHEN ANY FORM OF MAINTENANCE IS BEING CARRIED OUT, THE MACHINE MUST BE DISCONNECTED FROM THE MAINS POWER SUPPLY.

MECHANICAL SAFETY

THE SECURITY OF ALL CLAMPS AND WORK-HOLDING DEVICES SHOULD BE CHECKED BEFORE SWITCHING ON.

EYE PROTECTION

WE RECOMMEND THE USE OF GOGGLES OR OTHER EYE PROTECTION FOR WOODTURNERS.

ORDINARY PRESCRIPTION SPECTACLES WILL SERVE VERY WELL TO DEFLECT THE SORT OF WASTE LIKELY TO BE ENCOUNTERED AND WHICH MAY COME DIRECTLY AT THE LINE OF SIGHT.

SAFETY GLASSES GIVE LATERAL PROTECTION. CERTAINLY WHEN GRINDING, EVEN IF A TRANSPARENT WHEEL GUARD IS USED, PERSONAL EYE PROTECTION IS ESSENTIAL.

WOOD DUST

THE FINE PARTICLE DUST PRODUCED IN SANDING OPERATIONS CAN BE A LONG TERM HEALTH HAZARD IF EXCESSIVE. SOME IMPORTED HARDWOODS DO IN FACT GIVE OFF HIGHLY IRRITANT DUST WHICH CAUSES A BURNING SENSATION.

WE STRONGLY RECOMMEND THE USE OF A DUST COLLECTOR AND DUST MASK/VISOR OUR SALES DEPT. WILL BE HAPPY TO ADVISE YOU ON THE CORRECT UNIT FOR YOUR NEEDS.

INDUSTRIAL USE

WHEN IN INDUSTRIAL USE THIS PRODUCT COULD FALL UNDER THE SCOPE OF THE " 1974 WOODWORKING MACHINE REGULATIONS ".

FOR YOUR GUIDANCE WE WOULD ALSO DRAW YOUR ATTENTION TO THE BOOKLET :-

" WOODWORKING MACHINES REGULATIONS 1974 - GUIDANCE ON REGULATIONS "

REF : L4 (ISBN 0118855921) PUBLISHED BY HMSO.

WARNING:

DO NOT EXPOSE TO RAIN OR USE IN DAMP LOCATIONS.



SAFETY (CONT.)

TURNING LARGE DIAMETER TIMBER

IN ADDITION TO THE USUAL ADVICE GIVEN IN WOODWORKING MANUALS AND BY EXPERIENCED WOODTURNERS ON THE SUBJECT OF WOODTURNING IN GENERAL, IT IS FELT APPROPRIATE HERE TO EMPHASIZE TWO POINTS WHICH ARE PARTICULARLY IMPORTANT FROM A SAFETY ASPECT WHEN TURNING HEAVY, OUT OF BALANCE TIMBER.

FIRST OF ALL MOUNTING OF TIMBER. SINCE EACH PIECE OF TIMBER IS UNIQUE IT IS DIFFICULT TO LAY DOWN PRECISE RULES, BUT IT IS RECOMMENDED THE NEWCOMER TO LARGE DIAMETER TURNING SHOULD GAIN EXPERIENCE ON SMALLER WORK TO START WITH, GRADUALLY WORKING UP TO THE MAXIMUM SIZE HE/SHE IS INTERESTED IN, MAKING FREQUENT CHECKS ON SECURITY OF TIMBER, GAINING A KNOWLEDGE OF WHAT IS ADEQUATE FOR THE TYPE OF WORK BEING DONE.

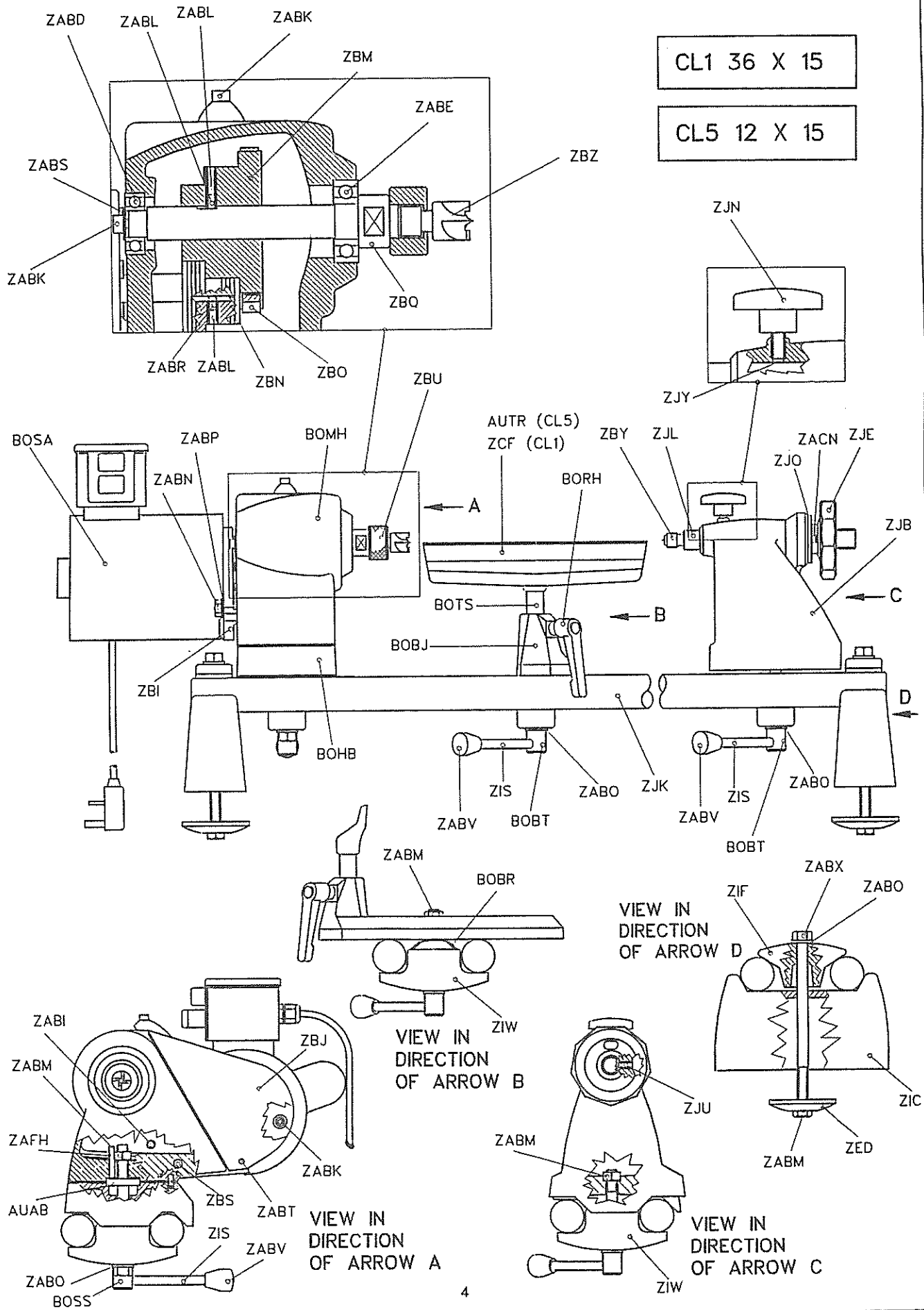
SECONDLY, TO RESIST LARGE FORCES THAT APPLY WHEN HEAVY, OUT OF BALANCE TIMBER ROTATES, THE BENCH MUST BE OF A VERY RIGID CONSTRUCTION. IT IS ALSO IMPORTANT THAT IT DOES NOT ROCK. IF THE SLIGHTEST ROCK IS DETECTED WHEN THE MACHINE IS NOT RUNNING THIS WILL BE MAGNIFIED MANY TIMES WHEN THE TIMBER STARTS TO ROTATE. IT IS THEREFORE WORTH PAYING SPECIAL ATTENTION TO SEATING OF BENCH ON FLOOR, FASTENING DOWN IF NECESSARY.

GENERAL SPECIFICATION

	CL5 12 x 15	CL1 36 x 15
BETWEEN CENTRES	12" (305mm)	36" (914mm)
DIA. BETWEEN CENTRES (OVER BANJO)	9" (229mm)	9" (229mm)
DIA. OVER BED	12" (305mm)	12" (305mm)
BOWL TURNING CAPACITY (WITH END TURNING REST)	15" (381mm)	15" (381mm)
O/ALL DIMENSIONS		
LONG	38.1/4" (972mm)	63" (1600mm)
HIGH	14" (356mm)	14" (356mm)
FRONT TO BACK	12.1/2" (318mm)	12.1/2" (318mm)
TOTAL WEIGHT OF LATHE INC. MOTOR & STARTER	127.5lb 58(kg)	152lb (69kg)
SPINDLE SPEEDS (RPM)	450,950,2000	450, 950, 2000
MOTOR	1/3 HP, 1425 RPM. 230V.~ 1 PHASE. CAPACITOR START. INDUCTION RUN.	1/3 HP. 1425 RPM. 230V.~ 1 PHASE. CAPACITOR START. INDUCTION RUN.
DRIVE	POLY-V	POLY-V
MAIN BEARING	DEEP GROOVE BALL	DEEP GROOVE BALL
SPINDLE NOSE	3/4" DIA. x 16 TPI.	3/4" x 16 TPI.
HEADSTOCK SPINDLE AND TAILSTOCK BARREL BORED TO SUIT NO.1 MORSE TAPER SHANK. SPINDLE HAS SPANNER FLATS (9/16" W. SPANNER TO FACILITATE FITTING AND RELEASE OF SPINDLE NOSE ATTACHMENTS).		

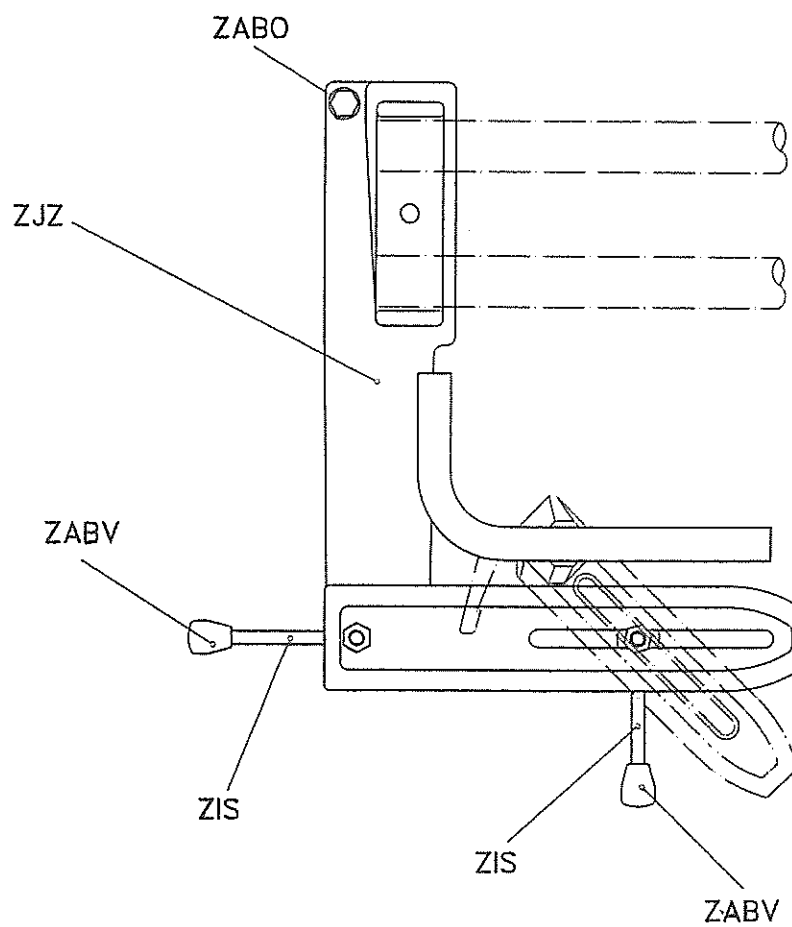
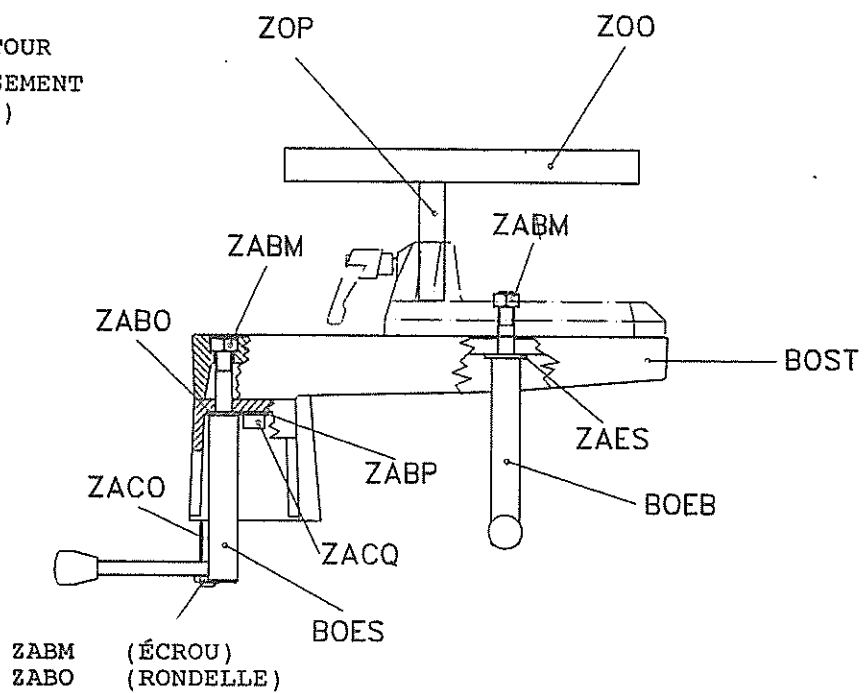
CL1 36 X 15

CL5 12 X 15



APPUI DE TOUR
D'ABOUTISSEMENT
(EN OPTION)

CL3/B



PARTS LIST

COMPONENT NO.	DESCRIPTION	QUANTITY	
		CL1	CL5
BOMH	HEADSTOCK	1	1
ZJB	TAILSTOCK	1	1
ZIC	END BRACKET	2	2
BOBJ	BANJO	1	1
ZCF	10" TOOLREST	1	
AUTR	5" TOOLREST		1
ZIF	ANGLE STRAP	2	2
ZIW	SQUARE STRAP	3	3
ZBI	MOTOR PLATE	1	1
ZBJ	BELT GUARD	1	1
ZJE	TAILSTOCK HANDWHEEL	1	1
BOHB	HEADSTOCK SADDLE	1	1
ZBM	SPINDLE PULLEY - 3 SPEED	1	1
ZBN	MOTOR PULLEY - 3 SPEED	1	1
ZBO	BELT - 4 RIB	1	
BOSA	MOTOR, SWITCH, CABLE & PLUG (U.K.) *	1	1
ZABD	BEARING - 6202ZZ	1	1
ZABE	BEARING - 6204ZZ	1	1
ZBQ	MAIN SPINDLE	1	1
ZJL	TAILSTOCK BARREL	1	1
ZJK	BED BAR - CHROME (57.25") FOR 36" LATHES	2	
BOBB	BED BAR - CHROME (32") FOR 12" LATHE		2
BOTS	STEM - TOOLREST	1	1
ZBS	PIN - MOTOR PLATE PIVOT	1	1
ZJY	BRASS PAD	1	1
ZABS	BELVILLE WASHER	1	1
ZJO	C-WASHER	1	1
ZJU	NIB	1	1
ZABR	SCREW - GRUB FOR MOTOR PULLEY	1	1
ZABL	SCREW - GRUB FOR PULLEYS	3	3
BOBT	SCREW - CLAMPING FOR BANJO & TAILSTOCK	2	2
BOSS	SCREW - CLAMPING FOR HEADSTOCK	1	1
ZABI	THREADED BAR - CLAMP, MOTOR PLATE	1	1
ZIS	HANDLE - LONG	3	3
ZABV	PLASTIC KNOB	5	3
ZJN	KNOB - TAILSTOCK BARREL LOCKING	1	1
ZBU	THREAD PROTECTOR	1	1
ZACN	SCREW - C-WASHER FIXING	2	2

* FOR REPLACEMENT FOR OTHER THAN U.K.
PLEASE SPECIFY.

PARTS LIST (continued)

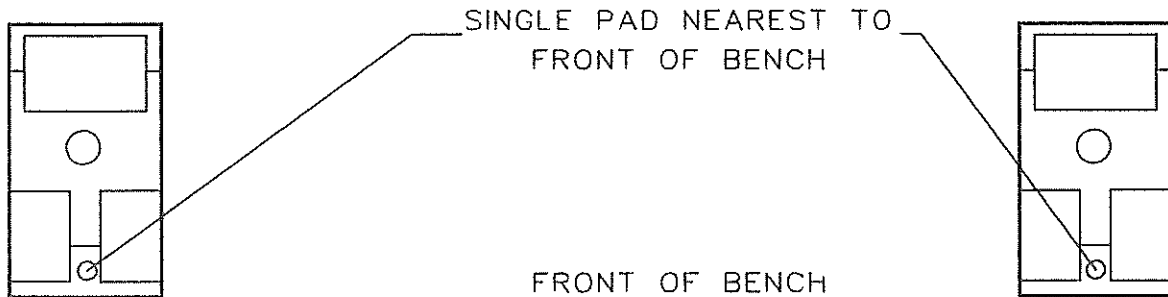
COMPONENT NO.	DESCRIPTION	QUANTITY	
		CL1	CL5
ZABK	SCREW - MOTOR FIXING	6	6
ZABX	BOLT - CLAMP END BRACKET	2	2
ZABM	NUT - M12	5	5
ZABN	NUT - M10	1	1
ZABO	WASHER - M12	7	7
ZABP	WASHER - M10	1	1
BOBR	BOLT RETAINER	1	1
ZED	WASHER - CAST	2	2
AUAB	ALIGNMENT BUSH	1	1
BORH	RATCHET HANDLE	1	1
ZBZ	7/8" 4 PRONG CENTRE	1	1
ZBY	RING CENTRE	1	1
ZABT	PIN - BELT GUARD HINGE	2	2
ZAFH	PIN - HEADSTOCK NUT RETAINING	1	1
ZACJ	ALLEN KEY - 3mm	1	1
ZACI	SPANNER - SPINDLE	1	1
ZCA	TOMMY BAR	1	1

END TURNING REST-ACCESSORY (CL3/B)

BOST	SWIVEL BRACKET	1	1
ZJZ	END TURNING BRACKET	1	1
BOEB	CLAMPING SCREW FOR BANJO	1	1
BOES	CLAMPING SCREW FOR SWIVEL BRACKET	1	1
ZABV	BLACK KNOB	2	2
ZIS	HANDLE - LONG	2	2
ZOP	STEM FOR TUBULAR BOWL REST	1	1
ZOO	TUBE FOR TUBULAR BOWL REST	1	1
ZABM	NUT - M12	3	3
ZABO	WASHER - M12	3	3
ZAES	WASHER - LARGE	1	1
ZABP	WASHER - M10	1	1
ZACO	SCREW - M12 x 65mm	1	1
ZACQ	SCREW - M10 x 30mm	1	1

ASSEMBLY INSTRUCTIONS

1. BORE 2 HOLES IN BENCH $1\frac{1}{2}$ " DIAMETER 4" FROM FRONT EDGE OF BENCH AND $54.3\frac{3}{4}$ " (1391mm) APART FOR A CL1-36" OR $29.1\frac{1}{2}$ " (749mm) FOR A CL5-12" MACHINE.
2. POSITION TWO END BRACKETS ON BENCH SO THAT WHEN MAIN BOLTS ARE PASSED THROUGH HOLES IN END BRACKETS THEY WILL PASS THROUGH CORRESPONDING HOLES IN BENCH AS SHOWN IN SKETCH.




3. PLACE BED BARS IN POSITION IN SUCH A WAY THAT THE CHAMFER ON EACH END JUST PROJECTS BEYOND EDGE OF EACH END BRACKET.
4. PLACE EACH ANGLE STRAP IN POSITION OVER EACH END BRACKET. IT SHOULD BE NOTED THAT WHERE ANGLE STRAP CONTACTS THE BED BAR THE ANGLE STRAP HAS A CONVEX CURVE GIVING A SINGLE POINT CONTACT ON THE REAR BED BAR AND A CONCAVE CURVE GIVING 2 CONTACTS ON THE FRONT BED BAR.
5. ENSURE BOTH CONTACT POINTS BETWEEN END BRACKET AND REAR BED BAR ARE IN FACT IN FULL CONTACT.
6. SECURE ANGLE STRAPS, BED BARS AND END BRACKETS IN POSITION BY MEANS OF MAIN BOLTS, NUTS, WASHERS AND CAST WASHERS. (SEE VIEW "D" IN PARTS DIAGRAMS.) NOTE THAT BOLT SUPPLIED IS IDEAL FOR A BENCH THICKNESS OF $1\frac{1}{2}$ ", IF THE BENCH IS MUCH THINNER EXTRA WASHERS OR WOODEN BLOCKS SHOULD BE POSITIONED UNDER BENCH TO MAKE UP THE DIFFERENCE. IF BENCH IS MUCH THICKER THAN $1\frac{1}{2}$ " COUNTERBORING MAY BE NECESSARY.
7. THREAD HEADSTOCK SECURING SCREW THROUGH A WASHER AND SQUARE STRAP AND THEN THROUGH THE HEADSTOCK SADDLE.
8. MOUNT HEADSTOCK SADDLE ON BED BARS WITH PROJECTING LUG AT FAR RIGHT HAND SIDE.
9. MOUNT HEADSTOCK ON HEADSTOCK SADDLE MACHINED BOSS AND SWIVEL HEADSTOCK SO MOTOR RESTS ON BED BARS. ENSURE SINGLE PAD ON SQUARE STRAP CONTACTS REAR BED BAR.
10. PUSH HEADSTOCK SECURING SCREW UPWARDS THROUGH HEADSTOCK AND ASSEMBLE THE NUT, WHICH SHOULD BE POSITIONED IN THE CAST RECESS SO THAT CLAMPING HANDLE WHEN TIGHT IS IN THE OPTIMUM POSITION. (SEE FIG.2)
11. TO ASSEMBLE TAILSTOCK PLACE A M12 NUT IN THE SLOT PROVIDED INSIDE THE TAILSTOCK AND MOUNT ON THE BED BARS.
12. THE TAILSTOCK CLAMPING SCREW SHOULD BE PLACED INTO A SQUARE STRAP AND THEN UP THROUGH HOLE IN TAILSTOCK AND SCREW INTO M12 NUT. ENSURE THAT SINGLE PAD ON SQUARE STRAP CONTACTS REAR BED BAR. POSITION OF NUT IN ITS SLOT SHOULD BE ROTATED IF NECESSARY TO GIVE OPTIMUM CLAMPING HANDLE POSITION.

ASSEMBLY INSTRUCTIONS


13. PLACE THE BANJO ON THE BED BARS WITH A M12 NUT IN THE SLOT.
14. THREAD WASHER ONTO BANJO CLAMPING SCREW THEN PLACE INTO A SQUARE STRAP, POSITION BOLT RETAINER OVER BOLT LOCATING LUGS ON RETAINER INTO SQUARE STRAP. THE CLAMPING SCREW THEN LEADS UP THROUGH BED BARS AND SLOT IN BANJO AND SCREWED INTO M12 NUT. ENSURE THAT SINGLE PAD ON SQUARE STRAP CONTACTS FRONT BED BAR. POSITION OF NUT IN ITS SLOT SHOULD BE ROTATED IF NECESSARY TO GIVE OPTIMUM CLAMPING HANDLE POSITION (SEE FIG.2).
15. ENSURE GRUB SCREWS IN THE TWO PULLEYS ARE FULLY TIGHTENED (TWO GRUB SCREWS IN EACH TAPPED HOLE). IT IS ADVISABLE THAT THESE SHOULD BE CHECKED PERIODICALLY. USE 3mm ALLEN KEY.
16. IF LATHE IS ON A BENCH THAT IS WARPED OR UNEVEN THE EFFECT WILL BE TO THROW HEADSTOCK AND TAILSTOCK CENTRES INTO MISALIGNMENT. CORRECT BY PLACING A SPIRIT LEVEL ACROSS BED BARS, FIRST AT HEADSTOCK END, THEN TAILSTOCK END TO DETERMINE DEGREE OF CORRECTION REQUIRED. PLACE PACKING STRIPS EITHER UNDER FRONT OF ONE OF END BRACKETS OR BACK DEPENDING ON DIRECTION OF TILT REQUIRED TO GIVE SAME SPIRIT LEVEL READING AT BOTH ENDS OF BED, WHEN BOTH READINGS ARE IDENTICAL CENTRES SHOULD BE ALIGNED.

WIRING INSTRUCTIONS

THE LATHE IS SUPPLIED FITTED WITH A PLUG. SHOULD THIS BE CHANGED BY THE CUSTOMER, THE WIRES IN THE MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODES:

GREEN-AND-YELLOW : EARTH  BLUE : NEUTRAL BROWN : LIVE

"WARNING" THIS APPLIANCE MUST BE EARTHED.

THE GREEN-AND-YELLOW COLOURED WIRE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER "E", OR BY THE EARTH SYMBOL .

THE BLUE COLOURED WIRE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER "N".

THE BROWN COLOURED WIRE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER "L".

MACHINES SUPPLIED FOR USE IN THE U.K. ARE FITTED WITH A BS1363 13 AMP. 3 PIN PLUG. ENSURE YOU USE THE CORRECT PLUG FOR USE IN OTHER COUNTRIES.

REPLACING POWER SUPPLY CABLE

REPLACEMENT OF POWER SUPPLY CABLE SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

R.C.D. (RESIDUAL CURRENT DEVICE)

FOR YOUR ADDITIONAL SAFETY WE ALWAYS RECOMMEND THE USE OF AN R.C.D. (RESIDUAL CURRENT CIRCUIT BREAKER OR EARTH LEAKAGE CIRCUIT BREAKER).

IDEAL POSITIONS OF HANDLES WHEN LOCKED

POSITIONS OF THE HANDLE CAN BE MODIFIED BY UNSCREWING CLAMPING SCREW A FEW TURNS AND RE-POSITIONING THE NUT IN ITS SEATING.

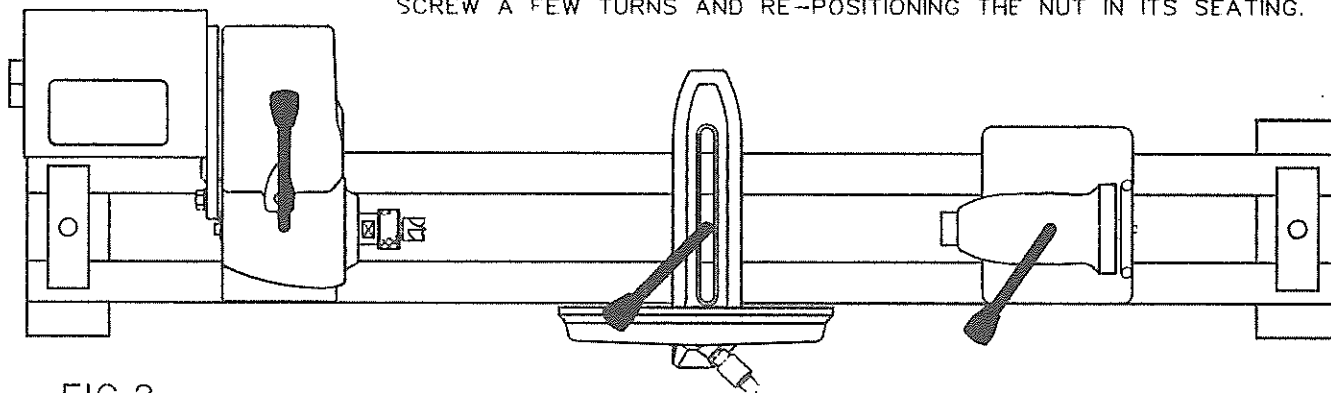


FIG.2

WHEN SWIVELLING HEADSTOCK UNLOCK CLAMPING SCREW NO MORE THAN 1/4 TURN. SLIDE HEADSTOCK DOWN BED BARS A LITTLE WAY BEFORE TURNING TO REQUIRED POSITION. THEN LOCK CLAMPING SCREW.

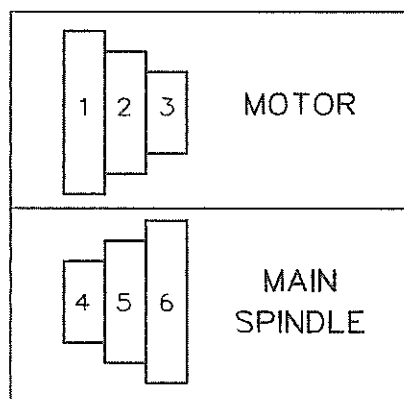
NOTE: WHEN PUSHING HEADSTOCK DOWN BED BARS APPLY PRESSURE NEAR BASE. MOTION MAY ALSO BE EASED BY SUPPORTING MOTOR BY HAND.

PROCEDURE FOR CHANGING SPEED

1. DISCONNECT THE ELECTRICAL POWER SUPPLY TO THE MACHINE.
2. REMOVE LID.
3. RELEASE MOTOR PLATE LOCKING SCREW WITH RIGHT HAND.
4. MOVE MOTOR UPWARDS WITH LEFT HAND.
5. MOVE BELT TO APPROPRIATE PULLEY WITH RIGHT HAND.
6. ALLOW MOTOR TO FALL BACK INTO POSITION.
7. TURN MAIN SPINDLE BY HAND TO ENSURE PROPER BEDDING OF THE BELT.
8. APPLY SLIGHT DOWNWARD PRESSURE TO MOTOR AND TIGHTEN MOTOR PLATE LOCKING SCREW.
9. REPLACE LID.

SPEED CHART

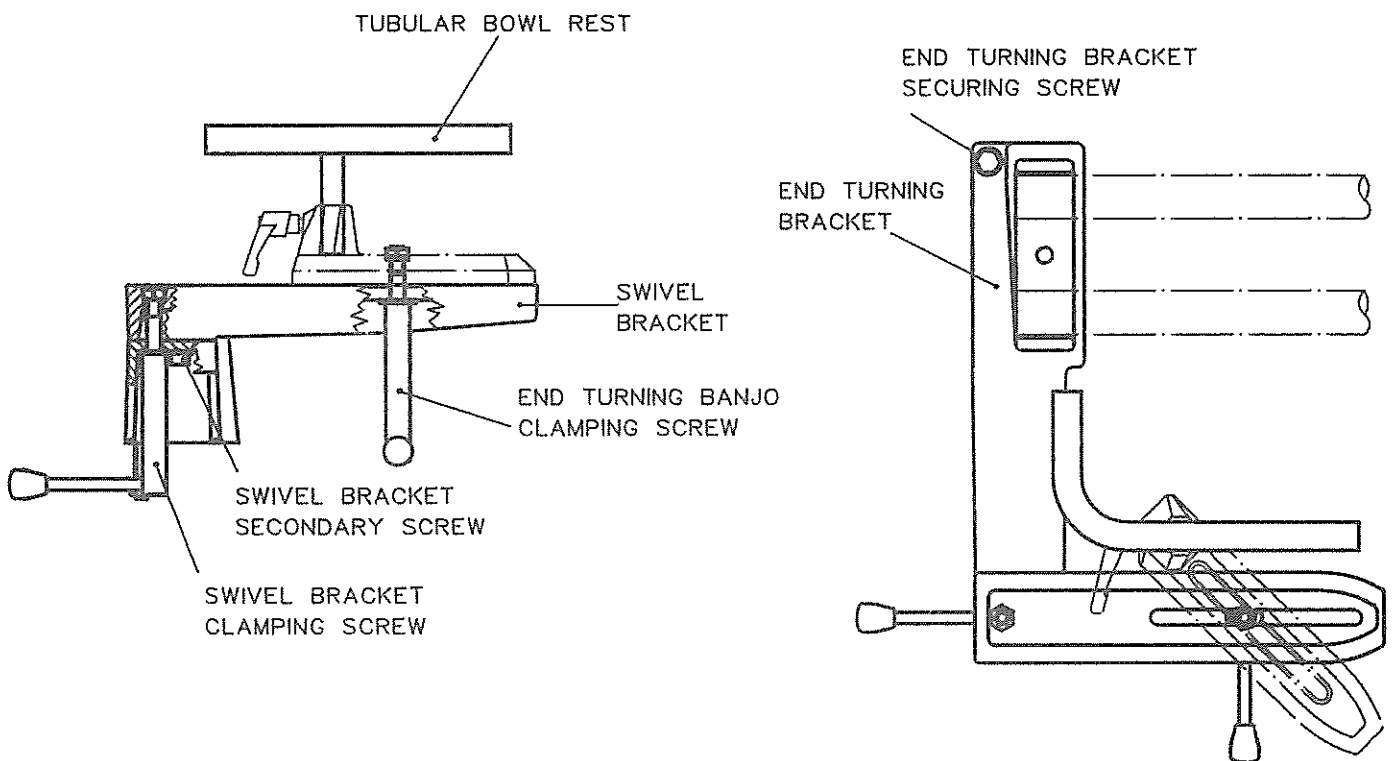
SPEED	PULLEY	
	MOTOR	MAIN SPINDLE
450	3	6
950	2	5
2000	1	4



PROCEDURE FOR CHANGING BELT

1. DISCONNECT THE ELECTRICAL POWER SUPPLY TO THE MACHINE.
2. ENSURE THE THREAD PROTECTOR IS ON THE SPINDLE NOSE.
3. OPEN THE GUARD.
4. REMOVE THE LOCKING GRUB SCREW FROM THE SPINDLE PULLEY, UNSCREW THE BOTTOM GRUB SCREW A FEW TURNS SO THAT THE PULLEY WILL SLIDE FREELY ALONG THE FULL LENGTH OF THE SPINDLE THAT IS INSIDE THE HEADSTOCK.
5. REMOVE THE SOCKET HEAD CAP SCREW AND WASHER FROM THE LEFT HAND END OF THE SPINDLE.
6. OBTAIN A PIECE OF BRASS OR SIMILAR MATERIAL SOFTER THAN MILD STEEL OF A DIAMETER BETWEEN 11mm (7/16") AND 13mm (1/2") PLACE AT THE LEFT HAND END OF THE SPINDLE AND CAREFULLY TAP WITH A HAMMER, DRIVING THE SPINDLE THROUGH TO THE RIGHT UNTIL IT BECOMES SUFFICIENTLY FREE TO ALLOW THE BELT TO BE CHANGED.
7. CHANGE THE BELT.
8. IF THE LARGE BEARING IS STILL IN THE HEADSTOCK THEN THE SPINDLE SHOULD BE TAPPED BACK IN POSITION USING A PIECE OF WOOD BETWEEN THE HAMMER AND THREAD PROTECTOR. IF THE LARGE BEARING HAS COME OUT WITH THE SPINDLE THEN IT SHOULD BE REPLACED BY TAPPING THE OUTER RING ONLY, TAPPING ROUND THE RING TO ENSURE IT SEATS SQUARELY. IF THE SMALL BEARING HAS BEEN PUSHED OUT BY THE PREVIOUS OPERATION THEN THIS ALSO SHOULD BE TAPPED BACK ON THE OUTER RING ONLY.
9. REPLACE THE SOCKET HEAD CAP SCREW AND WASHER (DO NOT OVER TIGHTEN.)
10. POSITION THE SPINDLE PULLEY SO AS TO LINE UP WITH THE MOTOR PULLEY. TIGHTEN THE SPINDLE PULLEY BOTTOM GRUB SCREW ENSURING THAT IT LOCATES ON THE SPINDLE FLAT THEN REPLACE THE LOCKING GRUB SCREW.
11. WITH THE BELT IN POSITION AND THE GUARD CLOSED THE MACHINE SHOULD BE RUN FOR A LITTLE TIME TO ENABLE THE BELT TO BED IN.

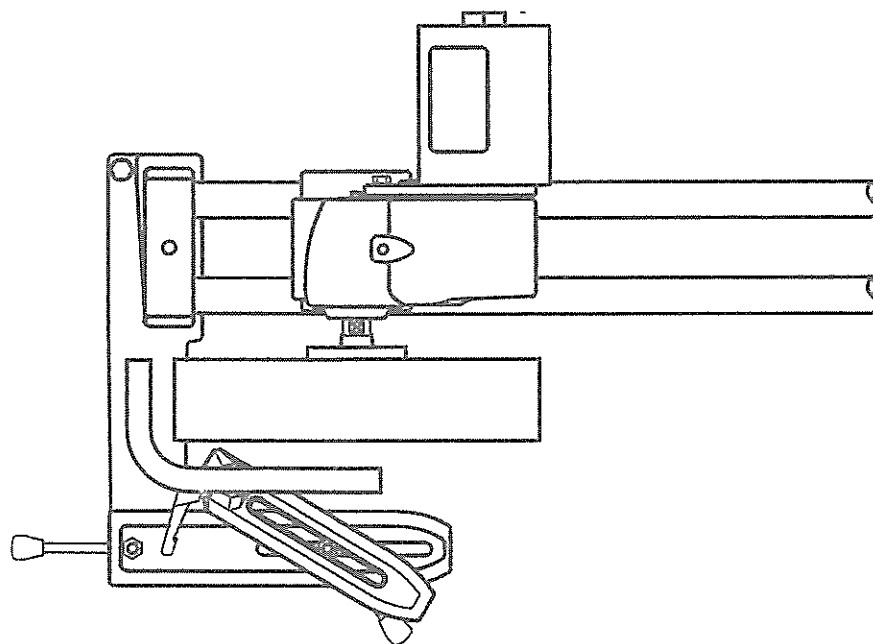
END TURNING UNIT



TO ASSEMBLE THE UNIT, SIMPLY REMOVE THE END BRACKET AT THE HEADSTOCK END OF THE MACHINE AND FIX THE TURNING BRACKET IN ITS PLACE. THEN ASSEMBLE THE SWIVEL BRACKET AS SHOWN ABOVE. THIS UNIT CAN BE LEFT ON THE MACHINE WHEN TURNING BETWEEN CENTRES ETC.

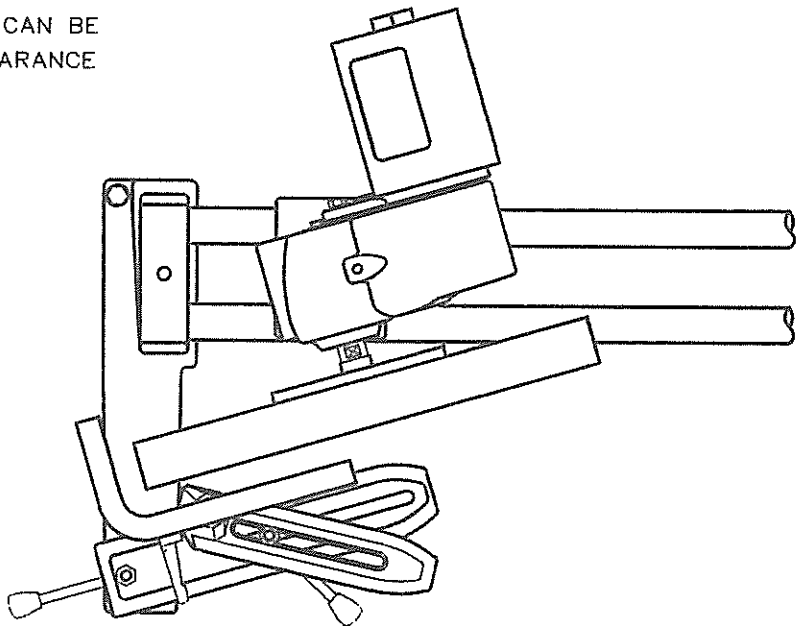
THE MOST COMFORTABLE POSITION FOR TURNING A PARTICULAR WORKPIECE CAN BE OBTAINED NOT ONLY BY ADJUSTING THE VARIOUS COMPONENTS OF THE END TURNING UNIT BUT ALSO BY SWIVELLING THE HEADSTOCK TO THE OPTIMUM ANGLE AND BY ADJUSTING ITS POSITION ALONG THE BED BARS.

A TYPICAL ARRANGEMENT IS AS FOLLOWS.

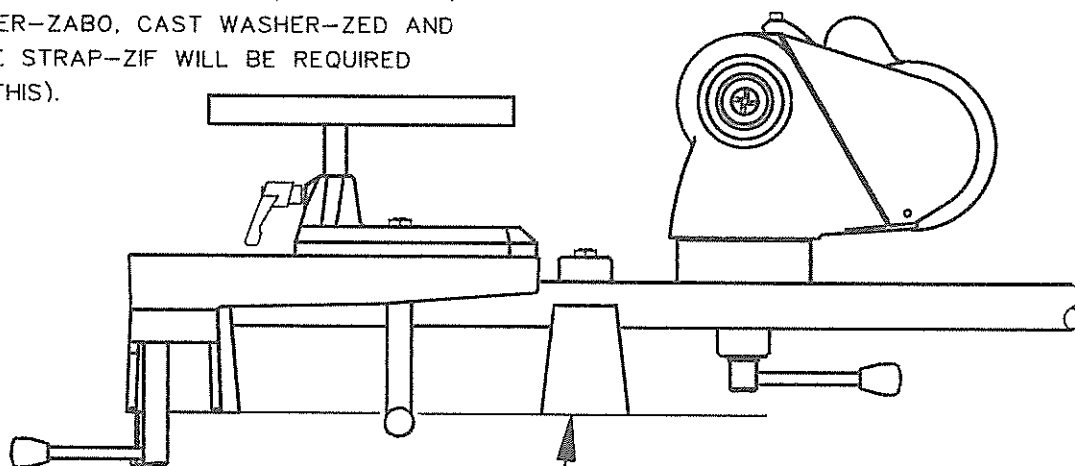


END TURNING UNIT

FOR THIN WORK THE HEADSTOCK CAN BE SWIVelled TO GIVE MAXIMUM CLEARANCE FOR THE TURNING TOOL HANDLE.



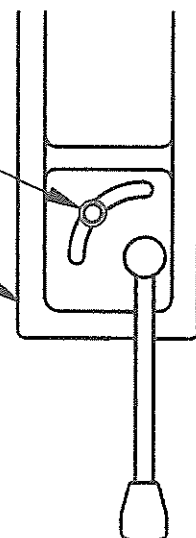
FOR EXCEPTIONALLY HEAVY DUTY WORK THE END BRACKET FROM THE STANDARD MACHINE CAN BE INCORPORATED. (AN EXTRA M12 NUT-ZABX, BOLT-ZABM, WASHER-ZABO, CAST WASHER-ZED AND ANGLE STRAP-ZIF WILL BE REQUIRED FOR THIS).



END BRACKET TO
IMPROVE RIGIDITY.

SWIVEL BRACKET
SECONDARY SCREW

UNDERSIDE OF END
TURNING BRACKET



FOR NORMAL DUTY WORK THE SWIVEL BRACKET CLAMPING SCREW IS SUFFICIENT TO SECURE THE SWIVEL BRACKET IN POSITION BUT IF MOVEMENT IS ANTICIPATED THEN THE SWIVEL BRACKET SECONDARY SCREW SHOULD BE TIGHTENED ALSO.

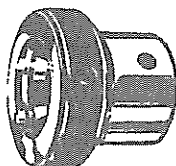
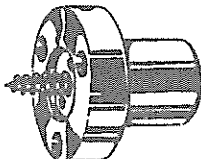
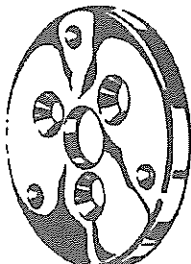
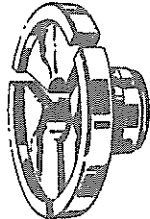
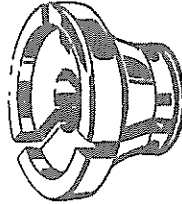
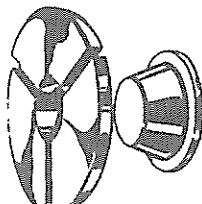
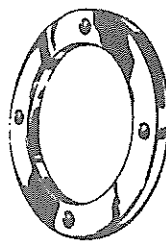
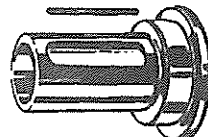
WOODTURNING ACCESSORIES

Power Chucks – Manufactured in Sheffield by RECORD

Cat. No. Description

RP3000 X1 Power Chuck Set RP3000 X1 – Complete Chucking System designed to fit all Record Power, Coronet and other makes of Lathes with 3/4" x 16 TPI Thread.

COMPLETE SET COMPRISES OF:– RP3000 A,B,C,G,J,K & N. (SHOWN BELOW)

 <p>Body Unit and Claw Spanner (RP 3000A)</p>	 <p>1.3/4" Screw Chuck and Lock Key RP 3000B</p>	 <p>2.7/8" Screw Chuck Ring RP 3000C</p>		
 <p>Compression Jaws 1" Parallel – 3" Dovetail RP 3000 D,E,G</p>	 <p>(Not included in kit) RP 3000 F</p>	 <p>3" Expansion Jaws and Large Plug RP 3000 H,I,J</p>	 <p>Faceplate Ring RP 3000 K</p>	 <p>1" Pin Chuck RP 3000 L,M,N,O</p>

All the above components, plus a range of alternate sizes, can be bought as individual accessories.

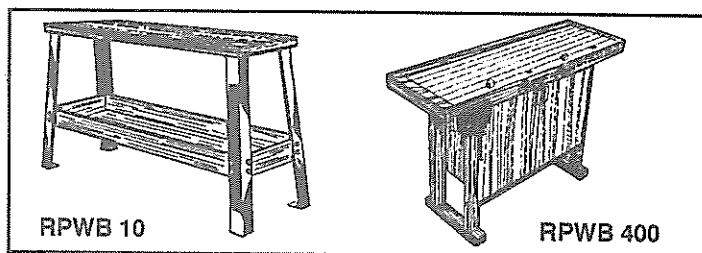
Cat. No.	Description	Cat. No.	Description
RP3000 A1	Chuck Body 3/4" x 16 TPI	RP3000 I	Expanding Jaws 1 3/4" Jaw and large Plug
RP3000 B	Screw Chuck & Lock Key 1.3/4"	RP3000 J	Expanding Jaws 3" Jaw and large Plug
RP3000 C	Screw Chuck Ring 2.7/8"	RP3000 K	Face Plate Ring 4.1"
RP3000 D	Compression Jaws 3/8" Parallel – 5/8" Dovetail	RP3000 L	Centrifugal Spigot (Pin Chuck) 5/8"
RP3000 E	Compression Jaws 5/8" Parallel – 1.1/4" Dovetail	RP3000 M	Centrifugal Spigot (Pin Chuck) 3/4"
RP3000 F	Compression Jaws 3/4" Parallel – 2" Dovetail	RP3000 N	Centrifugal Spigot (Pin Chuck) 1"
RP3000 G	Compression Jaws 1" Parallel – 3" Dovetail	RP3000 O	Centrifugal Spigot (Pin Chuck) 1.3/8"
RP3000 H	Expanding Jaws 1" Jaw and small Plug		

Videos



Cat. No.	Description
RPVID 1	Woodturning Workshop – 90 mins
RPVID 3	Record Power's Popular Woodturning Projects – 2 1/2 hrs.

Benches



Cat. No.	Description
RPWB 10	Wood Turners Workbench
RPWB 400	Woodbench and Vice

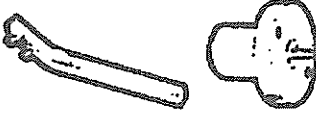
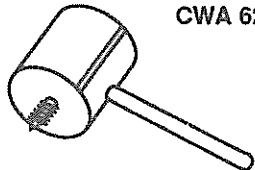


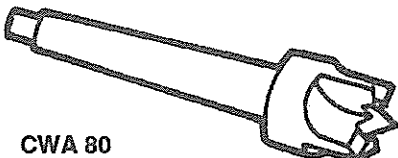
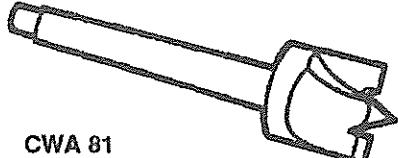


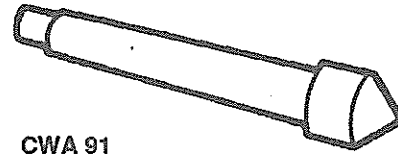
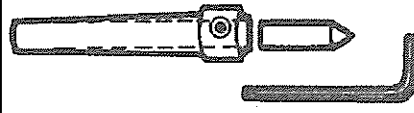
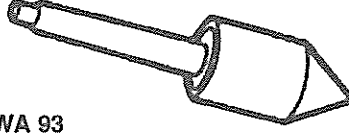
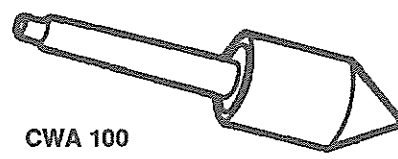
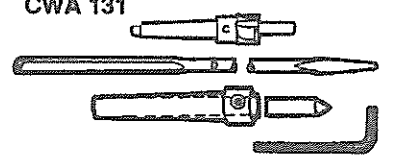
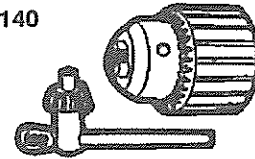
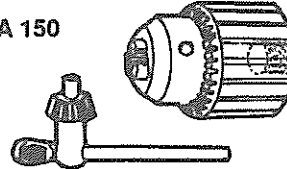
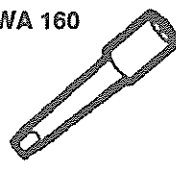
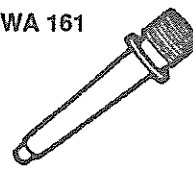
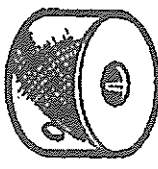
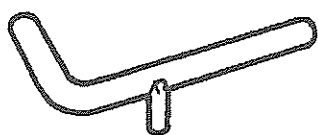

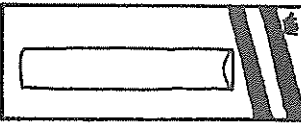
WOODTURNING ACCESSORIES

Cat. No. Description

CWA 61	Heavy Duty 2.1/2" Woodscrew Chuck
CWA 62	Medium Duty 1.1/2" Woodscrew Chuck
CWA 70	Face Plate Cast Iron 4"
CWA 71	Face Plate Cast Iron 6"
CWA 80	4 Prong Centre 7/8" Dia. No. 1 MT
CWA 81	2 Prong Centre 5/8" Dia. No. 1 MT
CWA 170	Threaded Protector Centre Ejector
CWA 90	Ring Centre
CWA 91	90° Back Centre
CWA 92	Cup Centre
CWA 93	Revolving Centre
CWA 100	Heavy Duty Revolving Centre

Cat. No. Description

CWA 140	1/2" capacity Drill Chuck
CWA 160	No. 1 Morse Taper for CWA 140
CWA 150	3/4" capacity geared Drill Chuck
CWA 161	No. 1 Morse Taper to suit CWA 150 (3/4" x 16 TPI)
CWA 180	Tubular Bowl Turning Rest
CWA 131	Long Hole Boring Kit for No. 0, No. 1, 2, No. 3
CWA 111	Shell Augers w/o handle 30" x 5/16"
CWA 190	White Speedaneez Friction Polish
CWA 191	Standard Speedaneez Friction Polish
CWA 200	Carnaube Wax

<div>CWA 61</div> <div></div>	<div>CWA 62</div> <div></div>	<div>CWA 70</div> <div></div>	<div>CWA 71</div> <div></div>	
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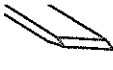
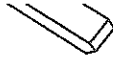
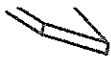


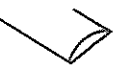

Lathe Attachments








Cat. No. Description

CL3 B 1, 2, 3, 5, Bowl Turning Attachments

WOODTURNING TOOLS

HIGH SPEED STEEL - Manufactured in Sheffield by RECORD

ROUGHING GOUGES	SPINDLE GOUGES	SKEW CHISELS	SQUARE END CHISELS	PARTING AND BEADING	DEEP BOWL GOUGE	DOMED SCRAPERS	OVAL SKEW CHISELS	DISC CHISEL
								
CH 100 CH 120	CH 200 CH 210 CH 220	CH 300 CH 310 CH 320 CH 330	CH 410 CH 420	CH 500 CH 520	CH 600 CH 601	CH 700 CH 701 CH 702	CH 900 CH 910 CH 920	CH 1000

						
STRAIGHT SCRAPER CH 800	FULL ROUND SCRAPER CH 810	DOMED SCRAPER CH 820	HALF ROUND L/H SCRAPER CH 830	HALF ROUND R/H SCRAPER CH 831	SKEW L/H SCRAPER CH 840	SKEW R/H SCRAPER CH 841

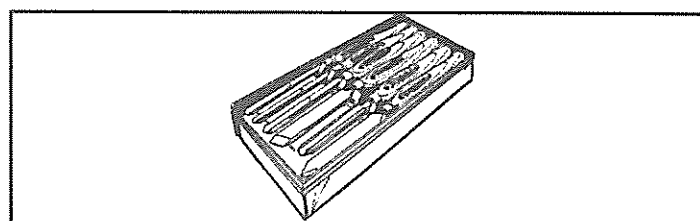
Cat. No. Description

CH 100 3/4" Roughing Gouge
CH 120 1.1/4" Roughing Gouge
CH 200 1/4" Spindle Gouge
CH 210 3/8" Spindle Gouge
CH 220 1/2" Spindle Gouge
CH 300 1/2" Skew Chisel
CH 310 3/4" Skew Chisel
CH 320 1" Skew Chisel
CH 330 1.1/4" Skew Chisel
CH 410 3/4" Square End Chisel
CH 420 1" Square End Chisel
CH 500 1/8" Parting & Beading
CH 520 3/8" Parting & Beading
CH 600 1/2" Deep Bowl Gouge
CH 601 1/4" Deep Bowl Gouge

Cat. No. Description

CH 700 1/2" Domed Scraper
CH 701 3/4" Domed Scraper
CH 702 1" Domed Scraper
CH 800 Straight Scraper
CH 810 Full Round Scraper
CH 820 Domed Scraper
CH 830 Half Round Left Hand Scraper
CH 831 Half Round Right Hand Scraper
CH 840 Skew Left Hand Scraper
CH 841 Skew Right Hand Scraper
CH 900 Oval Skew 3/4"
CH 910 Oval Skew 1"
CH 920 Oval Skew 1.3/4"
CH 1000 Disc Chisel

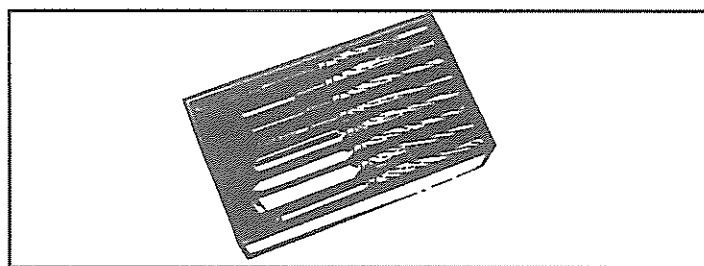
Carbon Steel Turning Tool Set



Cat. No. Description

DML A1 Set includes: 1/2" Round Nose Chisel,
1/2" Skew Chisel, 1/2" Diamond
Nose Chisel, 1/2" Gouge,
1/4" Gouge, Parting Tool

HSS Turning Tool Sets



Cat. No. Description

RPCHS 3 3/4" Roughing Gouge, 1" Skew
Chisel, 3/8" Spindle Gouge
RPCHS 3A 1/8" Parting Tool, 1/4" Spindle
Gouge, 1/2" Spindle Gouge
RPCHS 5 1/4" + 1/2" Deep Bowl Gouge
1/2", 3/4", 1" Scrapers
RPCHS 6 3/4" Roughing Gouge, 1" Skew
Chisel, 1/8" Parting Tool,
1/4" + 3/8" + 1/2" Spindle Gouge
RPCHS 7 3/4" Roughing Gouge, 3/8"
Spindle Gouge, 1/2" Spindle
Gouge, 1.1/4" Skew Chisel,
3/8" Parting/Beading Tool, 1/2"
Bowl Gouge, 1" Domed Scraper
RPCHS 8 3/4" Roughing Gouge, 1" Skew
Chisel, 1/8" Parting Tool,
1/4" + 3/8" + 1/2" Spindle Gouge,
1/4" Deep Bowl Gouge plus
3/8" Parting Tool

WOODTURNING

Turbo Visors

RPTV 100 has a nominal protection factor of 100 for heavily contaminated environments. This means that in a dusty atmosphere only one particle in every hundred will penetrate the filters

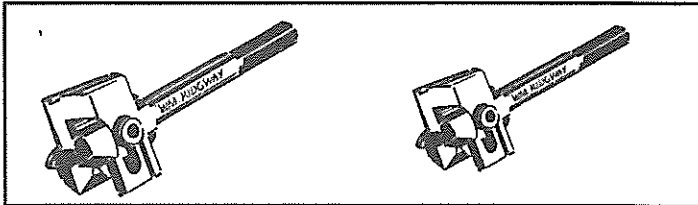


RPTV 20 has a nominal protection factor of 20 for light, localised contamination. In a dusty atmosphere only five particles in every hundred will pass through the filters



Cat. No.	Description
RPTV 20	Turbo Visor
RPTV 100	Turbo Visor
RPTV A	Spare Visor
RPTV B	Spare Blower Unit
RPTV C	Spare Charger Unit
RPTV D	Spare Head Band RPTV 20
RPTV E	Spare Head Band RPTV 100
RPTV F	Battery Pack RPTV 20
RPTV G	Battery Pack RPTV 100
RPTV H	Main Filter RPTV 20
RPTV I	Main Filter RPTV 100
RPTV J	Pre Filter
RPTV K	Disposable Cover, Pack of 10
RPTV L	Disposable Cover, Pack of 50
RPTV M	Spare Motor Cable
RPTV N	Spare Neck Cover

Expansive Bits



Cat. No.	Description
WR 20/2	Heavy Duty Power Expansive Cutters - 2" Capacity
WR 20/3	Heavy Duty Power Expansive Cutters - 3" Capacity

Expansive Bits - Spare Cutters

SWR 20/2A	Small Cutter, 22 - 26mm
SWR 20/2B	Small Cutter, 36 - 50mm
SWR 20/3A	Large Cutter, 34 - 56mm
SWR 20/3B	Large Cutter, 56 - 80mm