ELEKTRA BECKUM

(D) **Betriebsanleitung Unterflur-Zugkreissäge**

(GB) **Operating Instructions Radial Pull Table Saw**

(F) **Notice d'utilisation Scie radiale sous table**

(NL) **Gebruiksaanwijzing Trekzaag**

UK 330

English only

115 114 8235 / D/GB/F/NL / 2897 - 3.2

(D)	**Achtung!**	Lesen Sie diese Anleitung vor der Installation und Inbetriebnahme aufmerksam durch.
(GB)	**Attention!**	Carefully read through these instructions prior to installation and commissioning.
(F)	**Attention!**	Prière de lire attentivement la présente notice avant l'installation et la mise en service.
(NL)	**Attentie!**	Lees deze instructies voor de installatie en ingebruikname aandachtig door.

Contents

1 Scope of Application

This ELEKTRA BECKUM Radial Pull Table Saw UK 330 has been designed to perform rip and cross cuts in wood or plastic extrusions having a square or rectangular cross section.

- Cross cuts should be performed only with the radial pull action or with the Sliding Carriage, available as optional accessory at extra cost.
- Do not cut round stock.

2 User Responsibility

This machine will perform in conformity with the description contained in the instructions provided. This machine must be checked periodically. Defective equipment (including service leads) should not be used. Parts that are broken, missing, plainly worn, distorted or contaminated, should be replaced immediately. Should such repair or replacement become necessary, it is recommended that such repairs are carried out by qualified persons approved by the equipment manufacturer or its representative. This machine or any of its parts should not be altered or changed from standard specifications. The user or this machine shall have the sole responsibility for any malfunction which results from improper use or unauthorized modification from standard specifications, faulty maintenance, damage or improper repair by anyone other than qualified persons approved by the equipment manufacturer or its representatives.

3 Specifications

	UK 330 W	UK 330 D
Power input P_1:	2,2 kW - S 6 40 %	2,8 kW - S 6 40 %
Motor output P_2:	1,5 kW - S 1 100 %	1,8 kW - S 1 100 %
Voltlage:	AC-1 / 230 V / 50 Hz	AC-3 / 400 V / 50 Hz
Mains fuse:	10 A - time-lag or K-Automat	10 A - time-lag or K-Automat
Saw blade diameter:	250 mm +- 1	250 mm +- 1
Arbor bore:	Ø 30 mm	Ø 30 mm
Depth of cut:	0 - 82,5 mm	0 - 82,5 mm
Saw blade tilt:	-2°/0° - 47°	-2°/0° - 47°
Radial blade travel:	330 mm	330 mm
Radial crosscut capacity:	320x20 - 228x80 mm	320x20 - 228x80 mm
Cutting speed:	45 m/s	45 m/s
Saw table size:	728x582 mm	728x582 mm
Saw table height:	430 mm	430 mm
... on workstand:	960 mm	960 mm
Weight:	ca. 60 kg	ca. 60 kg

Noise Emission

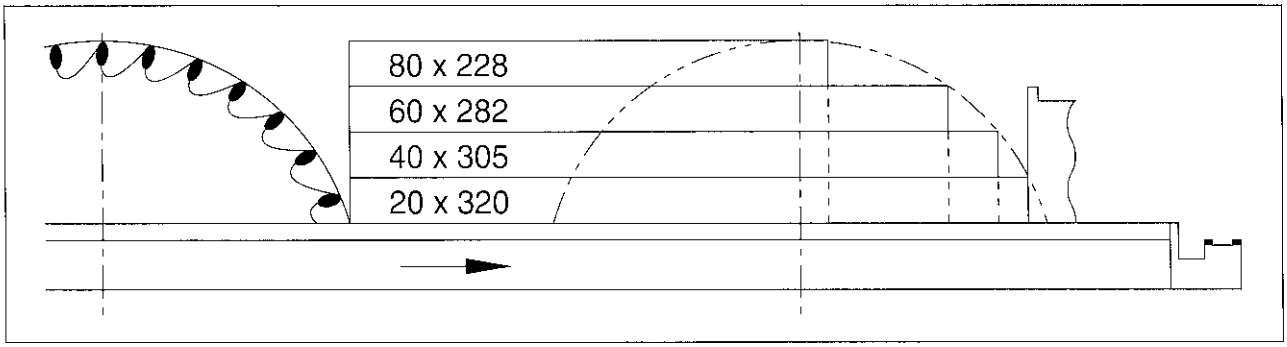
The noise emission levels shown below have been established by measuring methods according to: DIN 45 635, part1651. The A-sound power levels (L_{WA}) were rounded to full dB(A).

1. UK 330 operating under no load		
A-sound pressure level L_{pA}	85 dB(A)	85 dB(A)
A-sound power level L_{WA}	96 dB(A)	96 dB(A)
2. UK 330 operating under load		
A-sound pressure level L_{pA}	87 dB(A)	87 dB(A)
A-sound power level L_{WA}	101 dB(A)	101 dB(A)

4 Standard Delivery

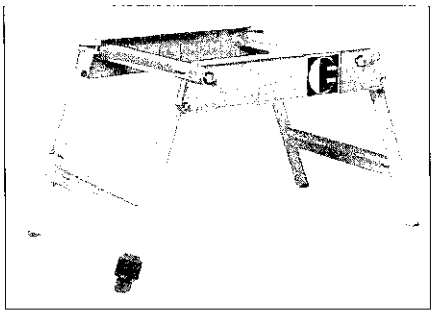
- TCT saw blade Ø 250x2/3x30 mm 34 teeth
- Riving knife
- Blade guard
- Universal fence
- Push stick
- Dust extraction hose set
- Tool set
- Manual

5 Cutting Capacity Table (for radial pull operation)



6 Initiation/Transportation

6.1 Setting up with Optional Accessory Workstand (stock-no. 091 000 9036)

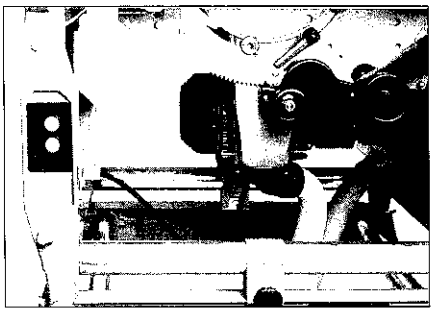


The workstand should be placed on a firm and level floor. Secure legs in position by swinging the four latches over the top of the legs. Turn adjustable foot in or out as required for a firm stand.
Secure saw on workstand with clamp provided, to keep it from tilting off the workstand.

Notice: Danger of personal injury if machine tilts off the workstand. Always install clamps.

Transportation only with the motor head carriage locked in the centre position to prevent damage to the locking mechanism (see 10).

6.2 Connection to Power Mains



Check if voltage of power mains matches with voltage stated on machine's type plate. Fit plug matching your local standard outlet to the power cable. This machine must be safety earthed. The yellow/green lead is the earth conductor.

- Extension cables should have a minimum lead cross section of 1.5mm² and a rubber outer jacket (HO7RN-F/SJT or similar).
- Worn or defective cables must be replaced immediately. Have replaced by a qualified electrician only.
- Do not operate saw with a damaged power cable. Risk of electrical shock.
- When using this machine at construction sites adhere to all local codes and ordinances.
- Operate this saw on a ground fault circuit interrupter (FI-switch) tripping at 30 mA.
- Do not let children operate this saw.

If used with a dust collector it has to be provided for that the dust collector starts up when the UK 330 is switched on (e.g. induction coil on the dust collector's power supply cable).

6.3 Switch/Overload Protection/Motor Brake

The switch is equipped with a no-volt release solenoid (magnetic switch), to prevent start-up after a power failure. The built-in motor protection relay trips in case of an overload. Let motor cool down for approximately 10 min. before starting again.
When the saw is switched off the motor is braked by countercurrent. A light humming from the switch for 12-15 sec. (even with the motor already at standstill) is normal and does not represent a fault.

7 Safety Precautions

As with all power tools there is a certain amount of hazard involved with the operator and his use of the machine. Using the machine with the respect and caution demanded as far as safety precautions are concerned will considerably lessen the possibility of personal injury. If, however, normal safety precautions are overlooked or completely ignored, personal injury to the operator can develop.

General Safety Precautions

- FOR YOUR OWN SAFETY; READ AND UNDERSTAND INSTRUCTION MANUAL BEFORE OPERATING THE SAW: Learn the saw's applications as well as the specific hazards peculiar to it.
- KEEP GUARDS IN PLACE and in working order.
- REMOVE ALL ADJUSTING KEYS AND WRENCHES: Form habit of checking to see that all keys and adjusting wrenches are removed from tool before switching it "ON".
- ALWAYS USE SAW BLADE GUARD AND RIVING KNIFE for every operation for which they can be used, including through sawing. Through sawing operations are those when the blade cuts completely through the work piece as in ripping or cross cutting.
- ALWAYS HOLD WORK FIRMLY AGAINST RIP FENCE OR MITRE FENCE.
- USE PUSH-STICK if distance between blade and rip fence is less than 120 mm / 5 in.
- NEVER PERFORM ANY OPERATION "FREE-HAND".

- NEVER REACH BEHIND, OVER OR UNDER THE CUTTING TOOL WITH EITHER HAND FOR ANY REASON. Keep hands away from saw blade; do not reach into area 120 mm/5 in. left and right of saw blade.
- DIRECTION OF FEED: Feed work into saw blade against direction of rotation only.
- AVOID KICKBACKS (work thrown back at you) by keeping the rip fence parallel to the blade, keeping riving knife and guards in place and operating, by not releasing work before it is pushed all the way past the saw blade, and by not ripping stock that is twisted or warped or does not have a straight edge to guide along the fence.

Safety Precautions particularly for this Saw Model UK 330

- Before operating the saw check if saw blade is mounted correctly and arbor bolt tightened. Check if blade turns freely.
- Large or long stock, which may tilt the saw by its weight, must be supported on both infeed and outfeed side of the table by suitable means, e.g. the Roller Table Extensions available as optional accessory, saw horses or other supports of suitable height.
- Never cut round stock without using suitable jigs.
- Do not use High Speed Steel (HSS) saw blade on this saw.
- Perform crosscuts only by pulling the blade through the work, which must rest secure against the universal fence, or with a Sliding Carriage (optional accessory).
- Replace dull or cracked saw blades at once.
- Set guards as required for the job on hand.
- If operated indoors use a dust collector with a minimum air flow rate of $\geq$20 mtr/sec at the suction port.

8 Problems

Always disconnect machine from power before servicing!

- If the saw blade is stalled by waste, switch off machine and let blade come to a complete standstill before removing obstruction.
- Switch off motor at once if blade is stalled. A dull blade is likely to be the cause.
- A dull blade may be the reason for what appears to be a loss of power.
- An extremely dull blade leaves burn marks in the kerf. The heat generated by friction may temper the blade body. Replace at once to prevent overloading the motor.
- After a power failure the saw has to be restarted by switching ON again.
- Resin residue on the blade affects performance. Clean regularly.
- If blade needs more then 10 sec. to come to a complete standstill, the motor brake is defect. Have it repaired by a qualified electrician.

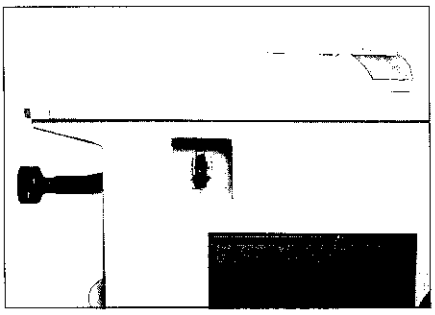
9 Saw Blades

Never use HSS blades, as these are not flexible enough and will crack or break easily.
Saw blades must be marked with the name or trade mark of the manufacturer. On this saw the following blades can be used with the standard riving knife: min. Ø 200 mm, max. Ø 250 mm, blade thickness/tooth width 1.9 - 2.2 mm.
Use of thinner or thicker blades requires a different riving knife.
The riving knife must not be wider than the width of the kerf and not narrower than the blade body.

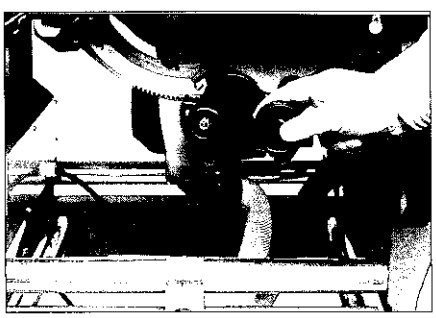
TCT blade T=34 W	TCT blade T=48 DH	TCT blade T=42 UW	TCT blade T=60 KW	TCT blade T=80 VW	TCT blade T=80 TF
Ø 250x3.0/2.0x30 mm	Ø 250x3.2/2.2x30 mm	Ø 250x3.2/2.2x30 mm	Ø 250x3.2/2.2x30 mm	Ø 250x3.2/2.2x30 mm	Ø 250x2.8/2.2x30 mm
Alternating teeth. General purpose blade for rip and cross cuts, timber and particle board. Standard delivery.	Pointed-hollow teeth. For cutting plastic laminated boards. Makes scribing/scoring blade obsolete.	Universal alternating teeth. For cutting cabinet boards, veneered and laminated boards as well as solid timber.	Combination alternating teeth. Cuts Melamin boards, extrusions, all kinds of plastics.	Multiple alternating teeth. For the ultimate performance in cabinet making. Cuts solid timber as well as all plywoods and boards.	Trapezium-flat teeth. For solid timber, ply, plastic and aluminium extrusions, fine furniture boards.
Stock-no.	**Stock-no.**	**Stock-no.**	**Stock-no.**	**Stock-no.**	**Stock-no.**
091 001 0158	**0910 01016 6**	**0910 01017 4**	**0910 01018 2**	**0910 01019 0**	**0910 01020 4**

10 Controls

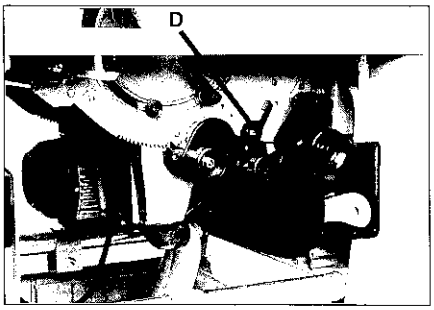
By setting the locking key either to a vertical or horizontal position, the motor head carriage is locked or unlocked. In the horizontal position the carriage locks at its rearmost position, when set vertically the carriage locks in the centre of the saw table.



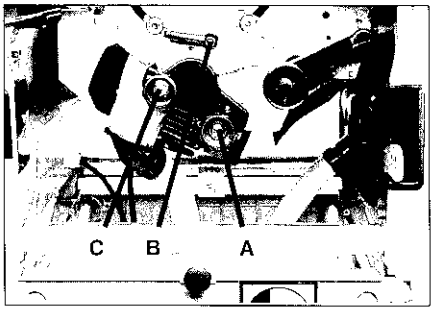
Press the release button in the pull handle and pull the motor head carriage forward. It returns automatically and locks in the rear position.
With the locking key set vertically the motor head carriage it locks in the centre of the table.



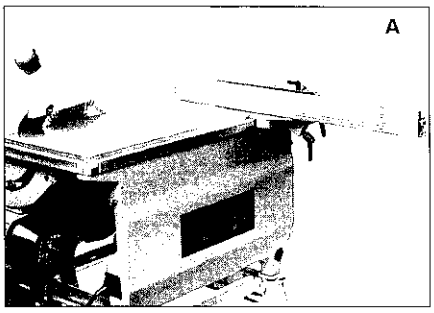
For special cuts the saw blade can be tilted to -2° if the lever (D) is turned upwards.

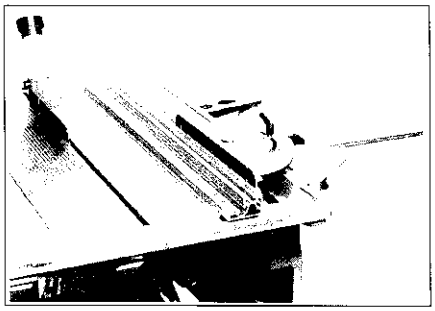


Set blade to desired depth of cut with handwheel (A). Loosen ratchet lock lever (B) to tilt blade up to 47° by turning handwheel (C).



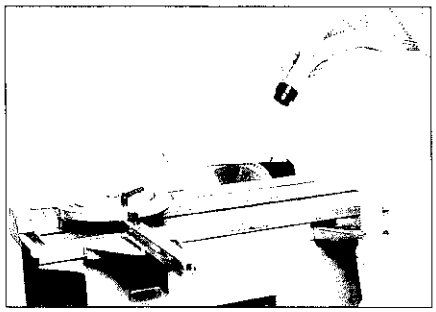
The Universal Fence can be mounted on all four sides of the saw table. It serves as backstop for the work when pulling the blade through the work, and as rip fence when operating the saw as a regular table saw.





11 Dust Extraction

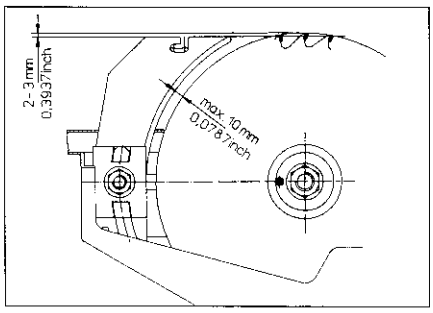
If this saw is operated indoors for more than 30 min. per working day, it should be connected to a suitable dust collector/shop vac. Dust from oak and beech is classified as causing cancer. The standard dust extraction port has a diameter of 100 mm. An adapter for shop vacs (Ø 44/59 mm) is available as optional accessory.
Adaptor Ø 44/59 mm, Stock-no. 091 001 2649
To connect a dust collector install the hoses supplied between chip case/main suction port and blade guard/main suction port respectively.



When connecting a dust collector with hose Ø 100 mm both bypass openings in the main suction port have to be open. When using a shop vac with hose Ø 59 or 44 mm the bypass openings have to be closed with the plugs supplied.

12 Setup / Operation

12.1 Riving Knife Setting

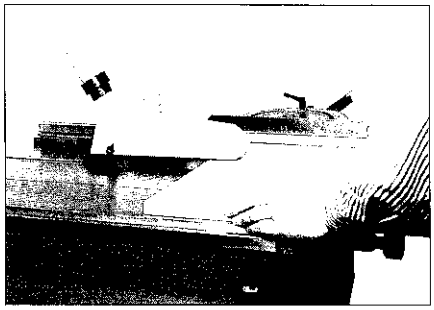


The riving knife prevents the work from touching the rising teeth of the blade, minimizing the risk of kickback and stalling. **The riving knife must be in place at all times (risk of personal injury)!**
Set the riving knife as close as possible against the blade, with its top 2-3 mm below the blade`s crown to faciliate partial cuts. The riving knife carrier can be reached after removing the table extrusion (see para. 13).

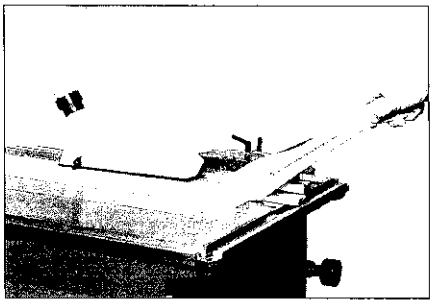
12.2 Operation - Table Saw

- Set locking key to vertical position and lock motor head carriage in the centre position.
- Check setting of riving knife, adjust if necessary.
- Install/adjust blade guard.
- Connect to dust collector.
- Connect to power mains.

Set depth of cut to work thickness plus 10 mm. Adjust blade guard to approx. 8 mm above the work. Start saw and feed work into the blade.



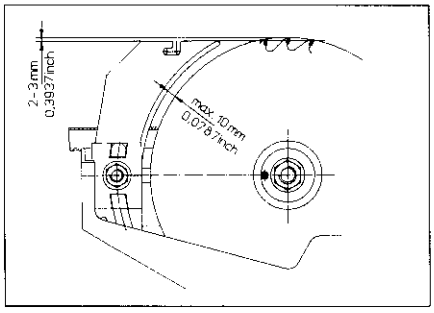
Work larger than 300x1000 mm may fall from the saws's table after the cut (danger of injury!). Such work must be supported by suitable means, such as saw horses, roller stands or another person. A universal Roller Table Extension is available as optional accessory (stock-no. 091 001 2290).



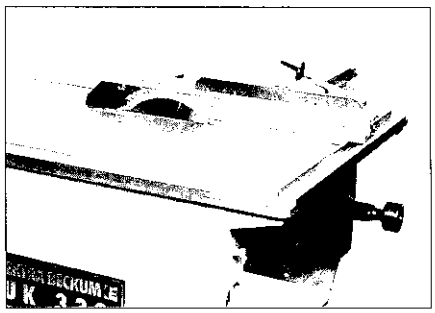
If the cut-off piece is less than 120 mm wide use the push stick supplied with the saw to feed the work.
Danger of personal injury!

12.3 Rebating and Grooving

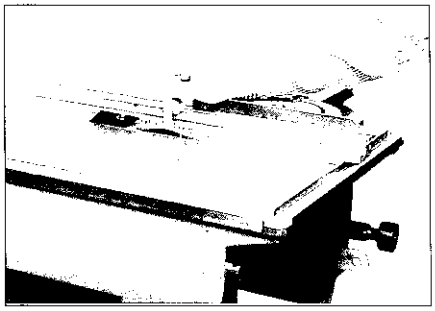
Install riving knife and set as described.



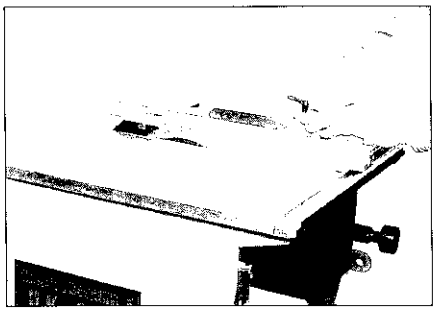
Remove blade guard.



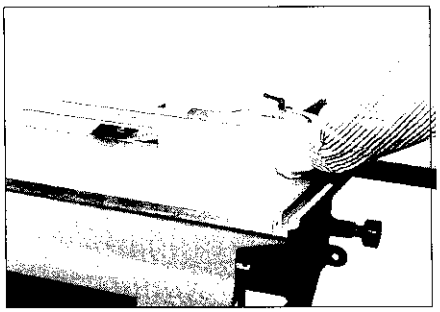
Set blade to required depth of cut.



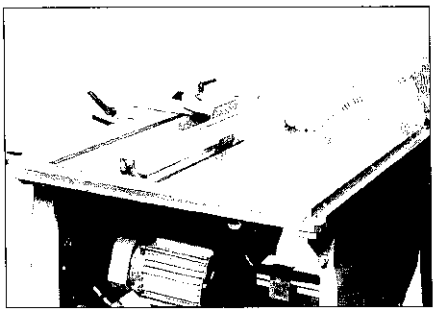
Set rip fence (universal fence) to required distance and lock in position.



Start saw and make first cut.



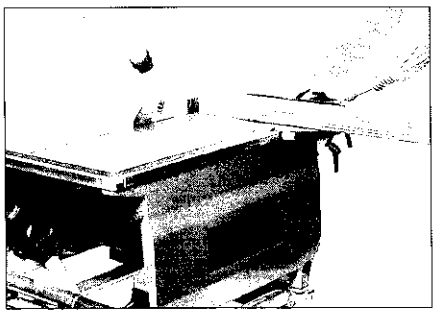
Make second cut, with the waste on the side of the blade facing away from the fence (otherwise danger of kickback).



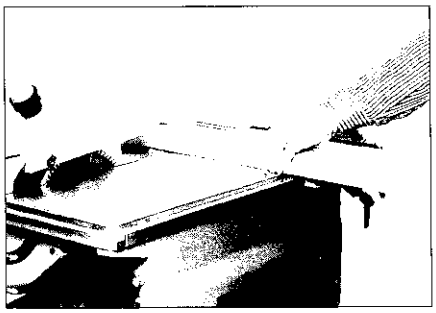
12.4 Crosscuts with the Radial Pull Action

- Set locking key to horizontal position and lock motor head carriage in rear position.
- Check setting of riving knife, adjust if necessary.
- Install/adjust blade guard.
- Connect to dust collector.
- Connect to power mains.

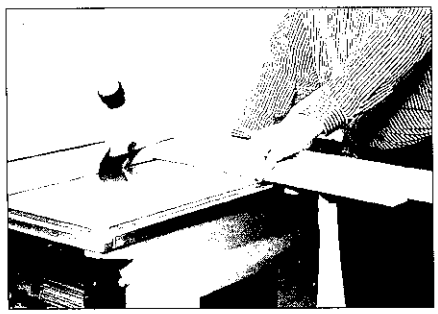
Install universal fence and set fence extrusion close to the blade (max. distance 8 mm), lock in position. Pull motor head carriage forward, **with power OFF**, to check if blade cuts completely through the work. Adjust position of fence if necessary.
Set depth of cut to work piece thickness plus 10 mm. The blade guard should be set to approx. 8 mm above the work piece.



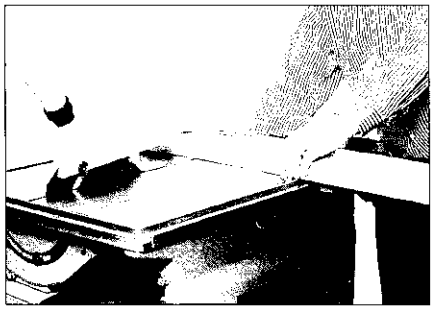
Place work against the fence, adjust and start machine.



Press the release button and pull motor head forward.



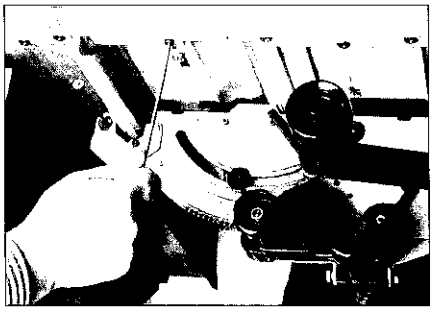
When the cut is completed return motor head to its locked position. Remove work piece and waste from saw table.



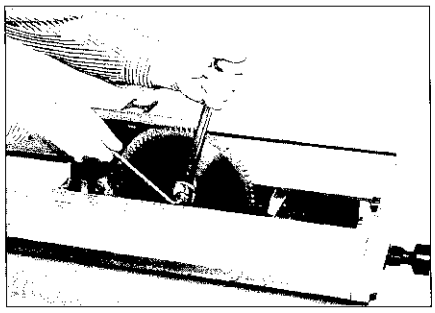
Work larger than 300x1000 mm may fall from the saws's table after the cut (risk of personal injury!). Such work must be supported by suitable means, such as saw horses, roller stands or another person. A universal Roller Table Extension is available as optional accessory (stock-no. 091 001 2290). Work pieces shorter than 120 mm / 5 in. have to be held in place on the saw table with a work clamp, available as optional accessory (stock-no. 091 001 2304).

13 Saw Blade Change -Always disconnect from power before servicing!-

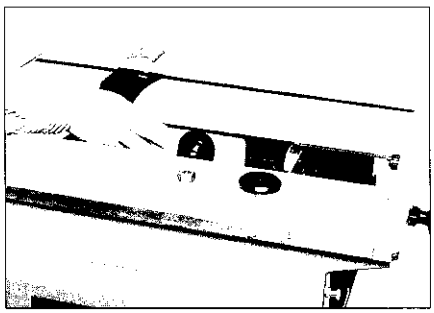
Loosen front and rear retaining screws of the removable table section. Remove table section to have access to the blade arbor and riving knife seat.



Use 8 mm Allen key and open end spanner to loosen arbor nut. **Left hand thread!** Turn clockwise to loosen. Remove counter flange and take blade off the arbor.

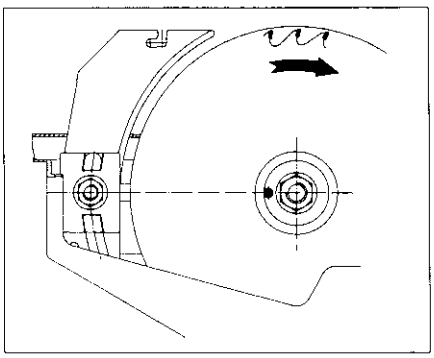


Clean blade seat before re-installing a new blade. Install counter flange and arbor nut.



Notice! Make sure blade is installed correctly, with teeth pointing into direction of rotation.

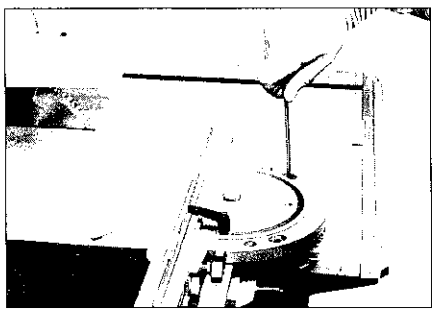
Elektra Beckum offers a variety of quality saw blades, designed for specific applications. Refer to para. 9 of this manual for details.
The quality of the cut , as well as the precision and performance of any circular saw, depend to a great extent on the use of the right blade for the job on hand, and on the sharpness of the blade's teeth. Check your blades regularly and replace or have reground when necessary. Remove resin residue with kerosine.



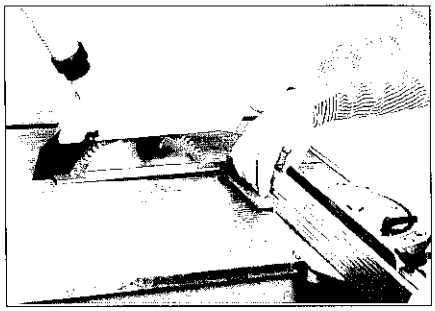
14 Settings

14.1 Setting the Universal Fence

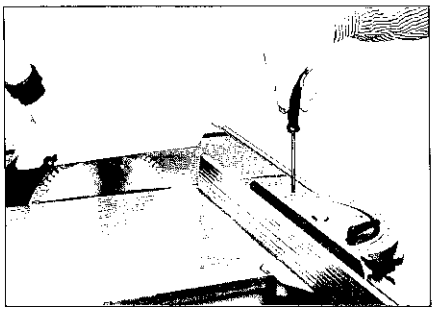
To set, remove the mitre scale and loosen both screws now visible a few turns.



With locked steel ball set the fence extrusion square to the blade. Tighten both screws again. Make a trial cut to verify setting. Adjust if necessary.

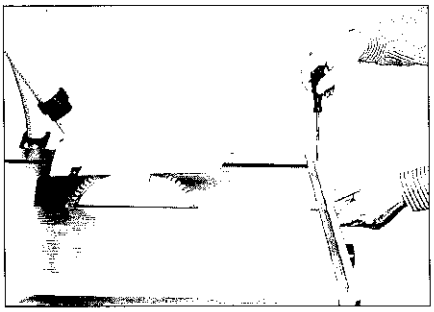


Replace scale and set scale 0° mark to correspond with vernier mark.
With the two hex. head setting screws the universal fence can be set parallel with the blade.



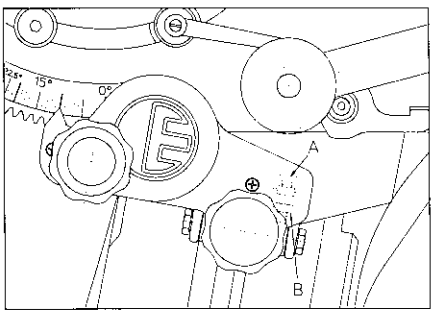
14.2 Setting the Scales

Loosen fixing screws and slide scale to left or right, as required. Retighten fixing screws.



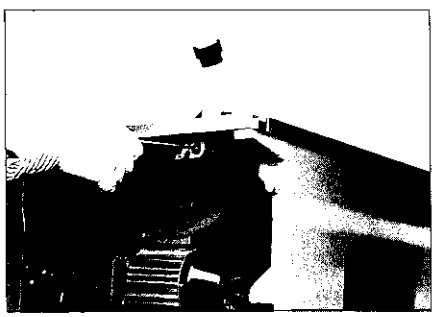
14.3 Setting the Saw Blade

The blade is set square to the table with setting screw (A). The dust cap has openings for the Allen key SW6 and box wrench SW10. Set blade to 10° tilt to have access to the setting screw (A).



14.4 Setting the Shock Absorber

The motor head carriage return action is controlled by a shock absorber. The intensity of the braking effect can be adjusted with the setting screw.

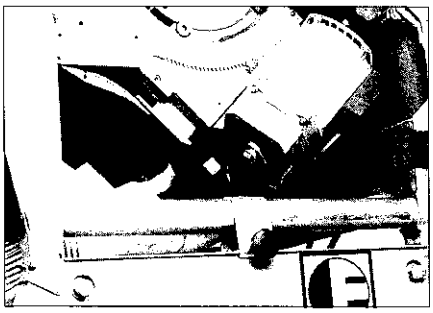


15 Care and Maintenance

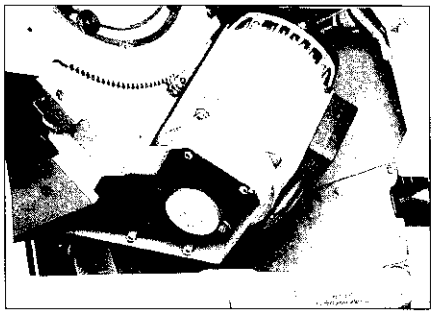
All bearings on motor, blade arbor shaft and motor head carriage are greased for life. The bearing surface and guide rod of the motor head carriage should be cleaned regularly of saw dust. Check electrical cables regularly for damages. Replace parts with genuine Elektra Beckum parts only.

15.1 Changing/Tightening the Drive Belt

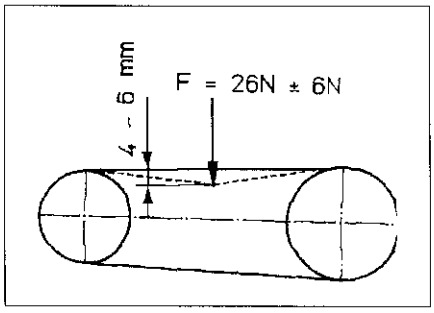
To open the drive belt housing set blade to lowest position and tilt to 45°.



Loosen motor mounting bolt approx. two turns and tighten by turning the draw spindle.



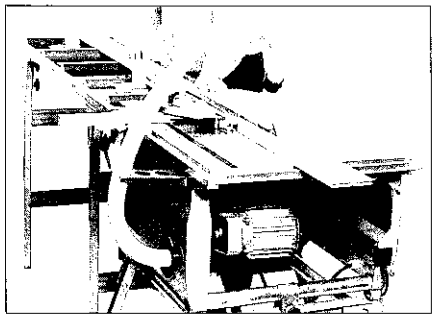
Set belt tension to 26 N ± 6 N (slack of 4-6 mm).



16 Optional Accessories

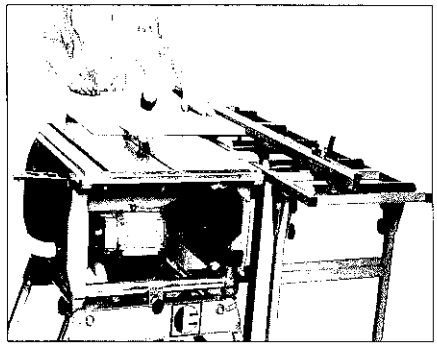
16.1 Ripping with the Roller Table Extension

The Roller Table Extension UK is a versatile accessory. It can be mounted to all four sides of the saw table. When ripping stock longer than 1000 mm it is installed as rear table extension. For best results and safest operation two roller tables should be used, one at the front and one at the rear of the saw table.



16.2 Panel Cutting with the Roller Table Extension

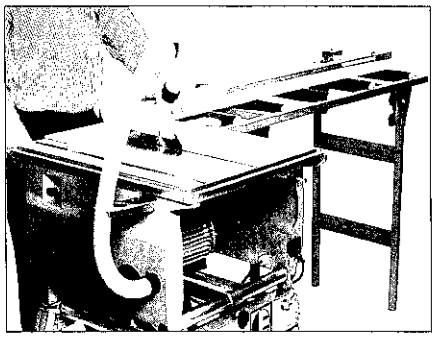
With the Roller Table Extension installed parallel to the left hand side of the saw table, panels from 270 mm width can be cut. Depending on the panel size we recommend to use a second roller table on the right hand side of the saw.



16.3 Crosscutting with the Roller Table Extension

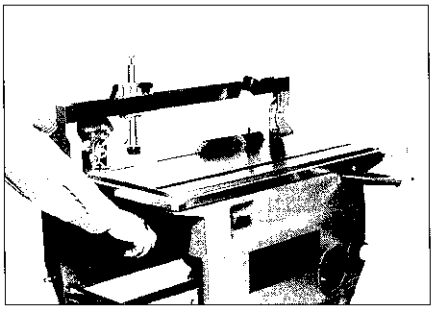
Crosscutting any stock longer than 1000 mm is done with ease and precision with the Roller Table Extension installed to the left of the saw table. Ideal would be a second roller table on the right of the table to support the cut-off stock.

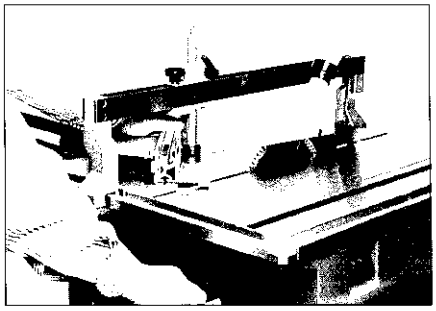
Because of the folding legs the Roller Table Extension UK is easy to transport, making it ideal for on-site jobs.



16.4 Cutting Short Work Pieces with the Work Clamp UK - Stock-no. 091 001 2304

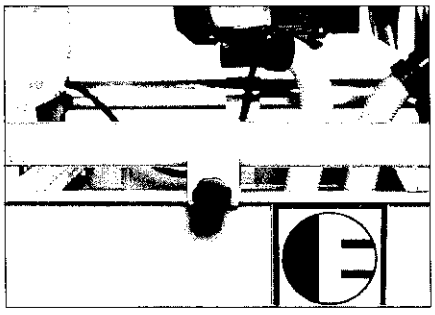
For reasons of operator safety stock of less than 120 mm in width or length should not be held by the operator. With the Work Clamp UK small work pieces are held safely on the saw table. Also the Work Clamp is used to hold stock when making cuts requiring absolute precision, such as mitres and compound mitres.



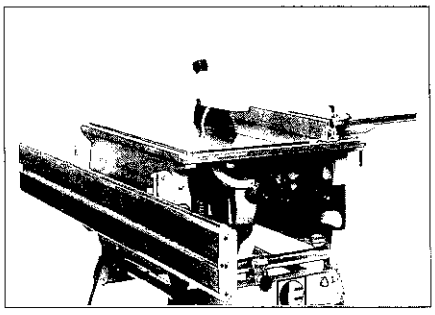


16.5 Dimensioning with the Sliding Carriage UK - Stock-no. 091 000 9168

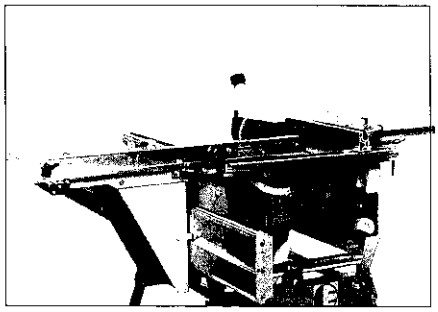
For installation and set up please refer to the instructions supplied with the Sliding Carriage.
Have riving knife and saw blade guard installed and set as described earlier in this manual.
Secure saw on workstand with the two clamps provided with the workstand.
Notice! Without these clamps in place the saw may tilt off the workstand. Risk of personal injury. Always have clamps installed.



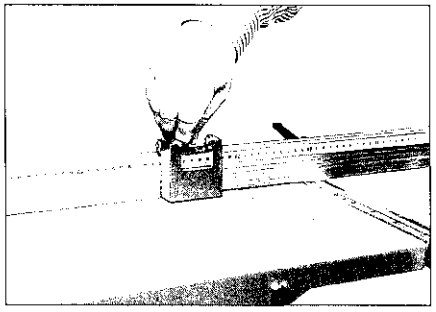
Place carriage guide rail into brackets and secure with latch.



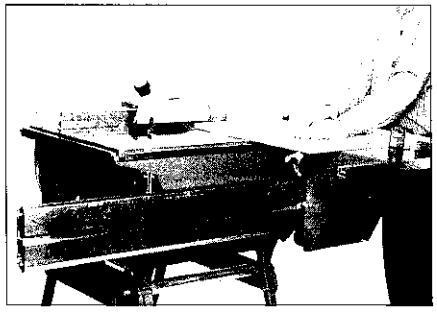
Remove end plate, slide traversing saddle onto the guide rail and replace end plate.



Set backstop to desired width.



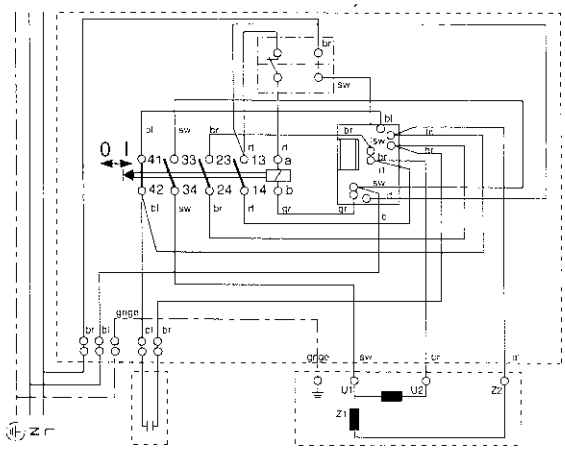
Swing backstop up and place work piece onto the sliding carriage. Start saw and square off one end of the work.



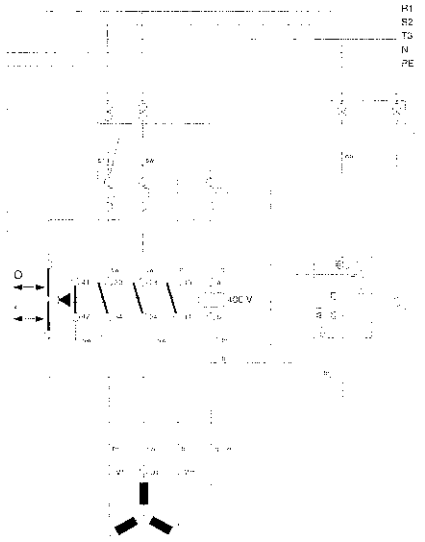
Pull sliding carriage and work back. Turn work over/around by 180°, swing backstop down and place work with squared edge against it. Make second cut.

17 Wiring Diagram

UK 330 W - 1~230 V



UK 330 D - 3~400 V



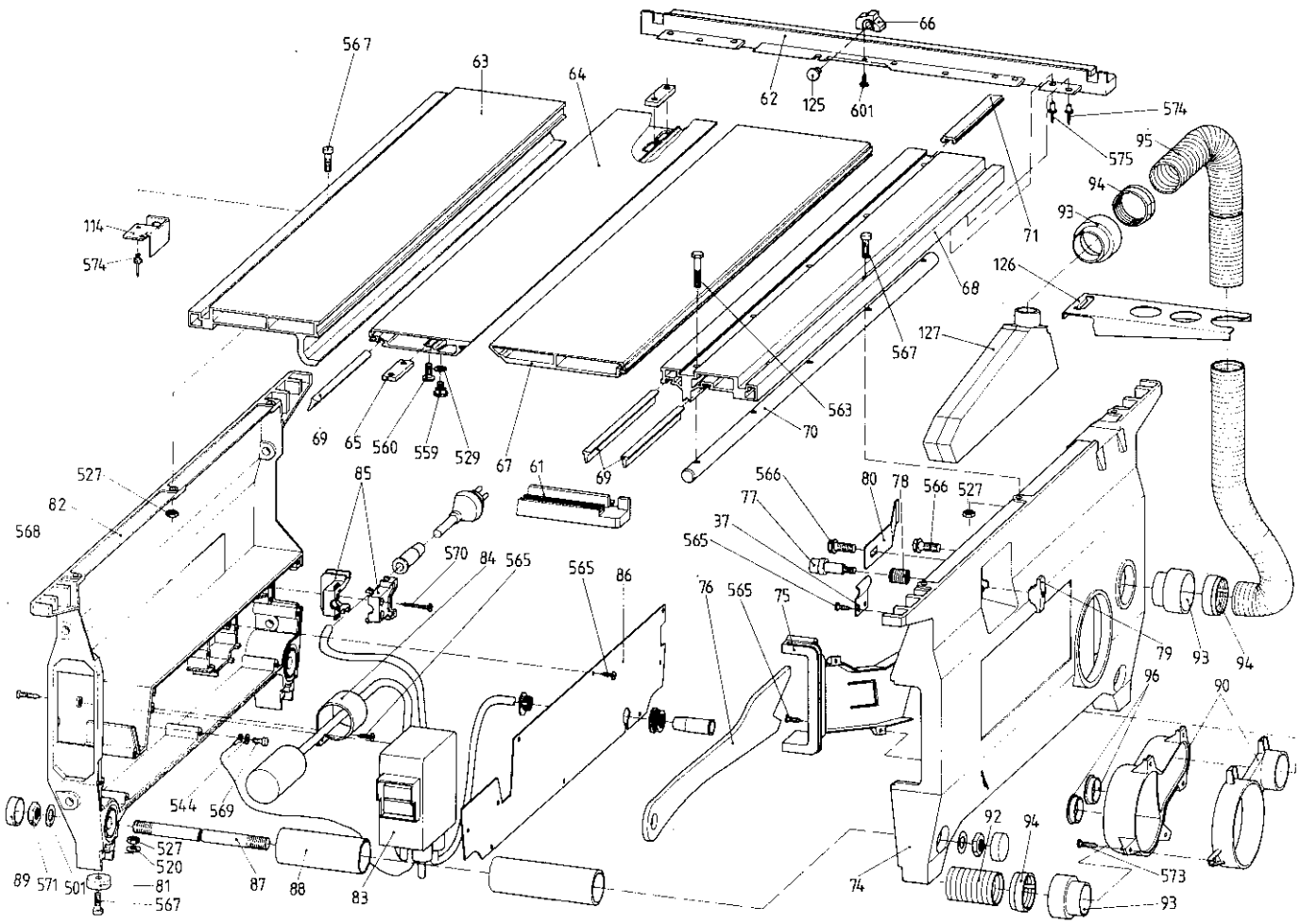
18 Spare Parts List

Item	Description	Dimension	DIN	Stock-no.
1	Saw blade housing			138 021 5086
2	Riving knife carrier			138 021 5221
3	Gusset plate UK			148 221 5242
4	Parallel arm			148 221 5102
5	Collar screw - rise + fall action			148 520 9480
6	Setting bush			148 521 5111
7	Drive belt housing			138 021 5060
8	Arbor shaft hub			138 521 5424
9	Arbor shaft			138 521 5394
10	Pulley - arbor shaft			138 520 8002
11	Motor 2.2 kW 230 VAC			101 014 6611
	Motor 2.8 kW 3~400 V			101 018 0194
12	Pulley - motor			138 520 8029
13	Hexagon flat nut	M 42x1.5		148 520 8085
14	Chip case			138 021 5051
15	Articulated axle - rise + fall action			138 521 5262
16	Cam - articulated axle			138 521 5270
17	Drive belt housing cover			138 121 5071
18	Blade flange			148 521 5405
19	Counter flange			148 521 5413
20	Shaft - gearwheel			148 521 5294
21	Gearwheel - small			138 021 5310
22	Gearwheel - large			138 021 5329
23	Axle - gearwheel			148 521 5308
24	Gearwheel housing			138 121 5659
25	Handwheel - blade tilt			138 121 5330
26	Handwheel cover			138 121 2846
27	Chip case bracket			138 121 5217
28	Torsion spring			705 121 6487
30	Bearing - rise + fall action			148 221 5471
31	Threaded bush - rise + fall action			148 521 5456
32	Rod - rise + fall action			148 521 5430
33	Carriage guide extrusion - right			138 321 5605
34	Cam bolt - roller			148 521 5618
35	Brush holder - right			138 121 5756
36	Felt brush - right			913 221 5763
37	Leaf spring - blade guard holder			705 221 6120
38	Segment plate extrusion - left			138 321 5591
39	Roller			138 121 5624
40	Brush holder - left			138 121 5772
41	Felt brush - left			913 221 5780
42	Pull rod ass'y - rear lock action			148 221 6109
43	Pull rod handle, upper - rear lock action			138 121 5730
44	Threaded rod - rear lock action			148 521 5707
45	Push button - rear lock action			138 521 5742
46	Pressure spring - rear lock action			705 121 5790
47	Bush - rear lock action			138 121 5721
48	Leaf spring - rear lock action			705 221 5689
49	Threaded bolt for leaf spring - rear lock action			148 521 5693
50	Segment plate			148 221 5099
51	Bracket - carrriage return spring			138 221 5849
52	Lock plate - centre lock			148 221 5340
53	Segment collar screw			148 521 5634
54	Scale - blade tilt			114 221 5647
55	Protection plate			138 221 5857
56	Chip case flap - left			138 121 5284
57	Chip case flap - right			138 121 5578
58	Torsion spring - right			705 121 5812
59	Torsion spring - left			705 121 5820
60	Rod			148 521 5588
65	Glide piece - table section			148 221 5544
66	Spacer			138 121 5250
69	Roller seal strip			138 121 5675
70	Linear guide shaft			138 521 5807
72	Carriage return spring			705 121 5839
73	Riving knife			148 221 5234
74	Side panel casting - right			138 021 5019
75	Push stick pocket			138 120 8547
76	Push stick BG			139 420 1630
77	Lock bolt - centre lock			148 521 5359
78	Pressure spring			705 121 3259
79	Wing nut	M 6		700 521 5360
80	Spring band - rear lock action			705 221 5379
81	Rubber foot	80 shore		705 720 8753
82	Side panel casting - left			138 021 5000
83	Switch ass'y 230V c/w capacitor + mains cable			101 021 5567
	Switch ass'y 230V c/w capacitor + mains cable (GB)			101 015 5424
	Kabelschalter 3~400 V			813 317 5394

Item	Description	Dimension	DIN	Stock-no.
84	Capacitor clamp	Rd 45		133 202 5186
85	Clamping piece			138 121 5047
86	Cover plate - side panel left			138 221 5032
87	Threaded rod	M 12x585		148 520 8930
88	Spacer tube			138 320 8269
89	Plug			138 112 0097
90	Main suction port			138 121 5888
91	Suction port - chip case			138 121 5896
92	Spiral suction hose	Di 36.2x670		785 414 8308
93	End sleeve 3 - hose Ø 38	Rd 54.4/42.6x39		138 121 2374
94	Sleeve joiner 2	Rd 47.5/39x17		138 121 2943
95	Spiral suction hose	Di 36.2x1200		785 414 8316
96*	Plug - main suction port	Ø 33.4x15		132 114 1362
97	Body - universal fence			138 021 5922
98	Setting plate - universal fence			148 221 5935
99	Mitre scale - universal fence			114 221 5949
100	Dove tail extrusion - universal fence			138 321 5966
101	Lock bolt - universal fence			148 521 5979
102	Fitting screw - universal fence			139 520 5400
103	Vernier carrier - universal fence			138 121 6000
104	Vernier scale - universal fence			111 021 6110
105	Clamping bracket - universal fence			138 021 5990
107	Lock plate - universal fence			138 021 5981
108	Clamping lever - universal fence			138 021 6031
112	Tilt stop - right			148 221 6133
113	Tilt stop bearing - right			148 521 6142
114	Bracket - shock absorber			138 221 6195
115	piston rod - shock absorber			148 521 6215
116	Piston - shock absorber			138 121 6183
117	Vent plug - shock absorber			138 121 6167
118	Tube -. shock absorber			138 121 6477
119	Vent end plug - shock absorber			138 121 6159
120	Valve pin, threaded - shock absorber			148 521 6223
121	Holder - carriage return spring			138 121 6175
122	Slide piece - universal fence			239 120 2772
124	Belt tensioner	Ø 40		148 220 8181
125	Plug KGS 60 Sh	Ø 14x14		239 120 3906
126	Hose bracket			148 221 3525
127	Saw blade guard			101 014 4414
151	Attachment profile			138 321 6920
152	Sliding rail			148 221 6982
153	Scale band, right			114 221 6830
154	Scale band, left			114 221 6848
155	Sectional wheel	M 8		148 521 6940
156	Sectional wheel	Ø 8		148 521 6932
157	Towing bar			148 521 4727
158	Threaded rod for crank handle			148 521 6541
159	Table profile, external left (II)			138 321 6814
160	Table profile, internal left (II)			138 321 6806
161	Table profile, external right (II)			138 321 6903
162	Table profile, internal right (II)			138 321 6822
163	Table profile, rear angle guide profile (II)			148 321 6897
164	Table profile, front angle guide profile (II)			148 321 6889
165	Groove guide rail (II)			138 121 6914
166	Sealing cover for switch			811 821 6866
500	Carriage bolt	M 12x40	603	611 014 9253
501	Washer	A13	125	630 001 6705
502	Hexagon nut	M 12	934	620 001 7992
504	Hexagon head screw	M 8x50	933	610 300 1216
505	Hexagon nut	M 8	934	620 000 2235
506	Grooved ball bearing w. 2 plates	6004 2Z		710 001 0164
507	Retaining ring	J 42x1.75	472	640 112 1364
508	Needle bush, greased	NA HK 2516 2 RS		710 412 0142
509	Inner raceway	INA IR 20x25x20.5		710 412 0150
510	Feather key	A 6x6x18	6885	672 104 6158
511	Feather key	A 5x5x20q	6885	672 107 4089
512	Washer	A 15	1215	630 001 9984
513	Hexagon thin nut grade B	M 14x1.5	936	620 508 8367
514	Feather key	A 6.4x30	6885	672 105 9322
515	Hexagon head screw L.H.	M 12x1.5Lx25	961	610 300 1267
516	Shim ring	42x52x0.5	988	630 612 1349
517	Hexagon nut, self locking	M 18x1.5		624 314 9434
518	Hex socket head cap screw	M 6x35		612 102 9098
519	Hexagon head screw, self-locking	M 6x20	933	610 312 1416
520	Washer	B 6.4	9021	630 500 2087
521	Poly-V-belt	8 PJ 600	7867	723 312 0124
522	Cross recessed pan head tapping screw	St 3.5x25	7981	617 202 8134
523	Clamping sleeve	6x12	7346	650 308 8175
524	Saw blade	250x2.0/3.0x30		138 612 0133

Item	Description	Dimension	DIN	Stock-no.
525	Hexagon thin nut grade B	M 16x1.5	439	620 5149 269
526	Woodruff key	2x3.7	6888	672 015 1241
527	Hexagon nut, self-locking	M 6	985	620 200 2291
528	Washer	B 8.4	9021	630 500 2486
529	Dish spring	16x8.2x0.6	2093	705 301 6795
530	Hexagon nut, self-locking	M 8	985	620 200 2305
531	Cross recessed pan head tapping screw	3.5x13	7981	617 210 0099
532	Cross recessed pan head tapping screw	3.5x16	7981	617 203 2905
533	Hexagon head screw	M 6x30	933	610 301 9921
534	Hexagon nut	M 6	934	620 000 2219
535	Ball bearing shim	S 17x24x15	988	630 614 8620
536	Hexagon thin nut	M 16x1.5	936+439	620 502 8038
537	Washer	13	433	630 702 7958
538	Hexagon nut	M 12x1.5	934	620 014 9279
539	Grooved ball bearing w/2 plates	626 ZZ		710 004 7262
540	Washer	A 6.4	125	630 001 6365
541	Low head hexagon socket head cap screw	M 6x16	6912	612 705 9193
542	Low head hexagon socket head cap screw	M 6x20	6912	612 200 1987
544	Serrated lock washer	A 5.3	6798	630 408 4039
546	Cross recessed countersunk head tapping screw	St 3.5x22	7982	617 400 1918
547	Hexagon thin nut	M 20x1.5	439	620 505 2753
548	Washer	A 5.3	125	630 001 6357
549	Hexagon nut, self-locking	M 5	985	620 200 2283
550	Hexagon head screw	M 5x12	933	610 300 1100
553	Washer	B 5.3	9021	630 500 2478
554	Cross recessed raised cheese head screw	M 5x6	7985	612 314 9287
555	Cross recessed raised cheese head screw	M4x12	7985	612 300 2022
556	Spacer bush	Dh 4x10		644 212 0283
557	Starlock with cap	Rd 6		701 614 8215
558	Clamping sleeve	5x10	1481	650 302 9250
559	Slotted pan head screw with shoulder	M 6x3.5	923	612 502 9548
560	Hexagon head screw	M 6x16	558/933	610 301 5675
565	Cross recessed pan head tapping screw	St 4.8x13	7981	617 201 5687
566	Thread rolling hexagon head collar screw	M 8x25		614 314 9291
567	Hexagon socket head cap screw	M 6x25	912	612 100 0766
568	Cross recessed countersunk head tapping screw	St 4.2x25	7982	617 400 1950
569	Thread rolling cap screw	M 5x12	7500	614 314 2823
570	Cross recessed pan head tapping screw	St 4.8x38	7981	617 212 1312
571	Hexagon nut, self-locking	M 12	985	620 202 1439
572	Hexagon socket head cap screw	M 6x25	912	612 100 0766
573	Cross recessed pan head tapping screw	St 4.8x22	7981	617 200 1848
574	Pop rivet with cap head	AL 6x12 F		662 101 0407
576	Steel ball Ø 8	KU.8-1.3541	FAG	712 314 8635
577	Pressure spring - universal fence	d1;Da 8.7;L.27		705 114 8694
578	Hexagon socket head cap screw	M 5x10	912	612 112 1296
579	Cross recessed pan head tapping screw	St 3.5x9.5	7981	617 202 8215
580	Washer	A 4.3	125	630 001 6330
581	Spring washer	B 12	137	630 208 5941
582	Hex. socket head set screw with cone point	M 6x50	914	616 214 8646
583	Ratchet lock lever nut	M 6		700 607 2385
584	Cross recessed countersunk head tapping screw	St 4.8x32	7982	617 409 3740
585	Ratchet lock lever nut	M 8		700 602 8653
586	Hexagon socket set screw with dog point	M 8x80	915	616 314 8658
587	Hexagon socket set screw with flat point	M 8x60	913	616 102 9120
588	Washer	A 8.4	125	630 001 6322
589	Cross recessed pan head tapping screw	St 2.9x6.5	7981	617 209 1014
593	Pop rivet	6x12 F		662 101 0407
594	Cup sleeve	Ø18xØ6x6/2		763 614 9637
595	Retaining washer	Ø 5	6799	640 414 9626
596	Starlock w/o cap	Rd 5		701 6122 305
597	O-ring	5.23x2.62		763 214 9640
598	O-ring	13x2.0		763 211 4120
600	Shim ring	42x30x0.1	988	630 613 2014
601	Carriage bolt (Plastite)	5x12 verz.		618 914 5754
601	Cross recessed head tapping screw	St 3.5x32 verz.	7981	617 212 3870
602	Hexagon head tapping screw	B 4.8x25 verz.	7976	617 102 8084
603	Hexagon nut, self-locking	M4 verz.	985	620 206 5412
631	Knurled screw	M 6x15		614 307 5468
632	Locking washer	Ø 8	6799	640 409 1580
633	Feed crank handle	GN 112-100-S10		700 818 1580
634	Support washer	Ø 17x24x1,5	988	630 614 8620
635	Clamping sleeve	Ø 4x16	1481	650 300 1681
n.s.	Allen key	SW 8x200		910 215 8064
n.s.	Open end spanner	SW 24		910 115 5592

n.s. = not shown in drawing
* = Optional accessory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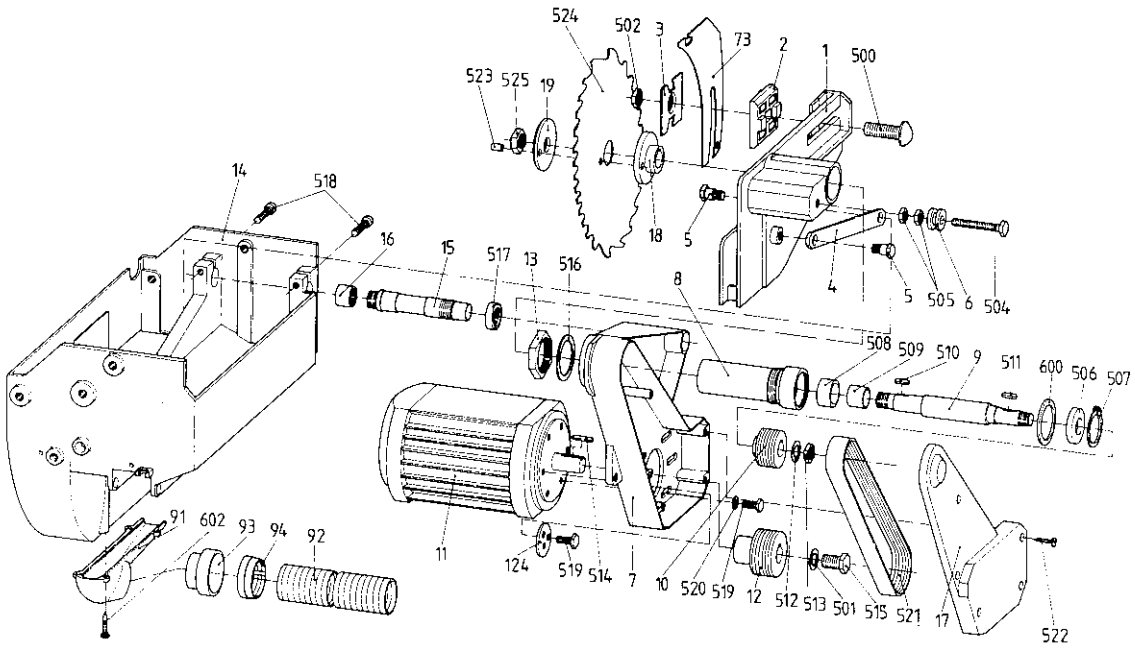
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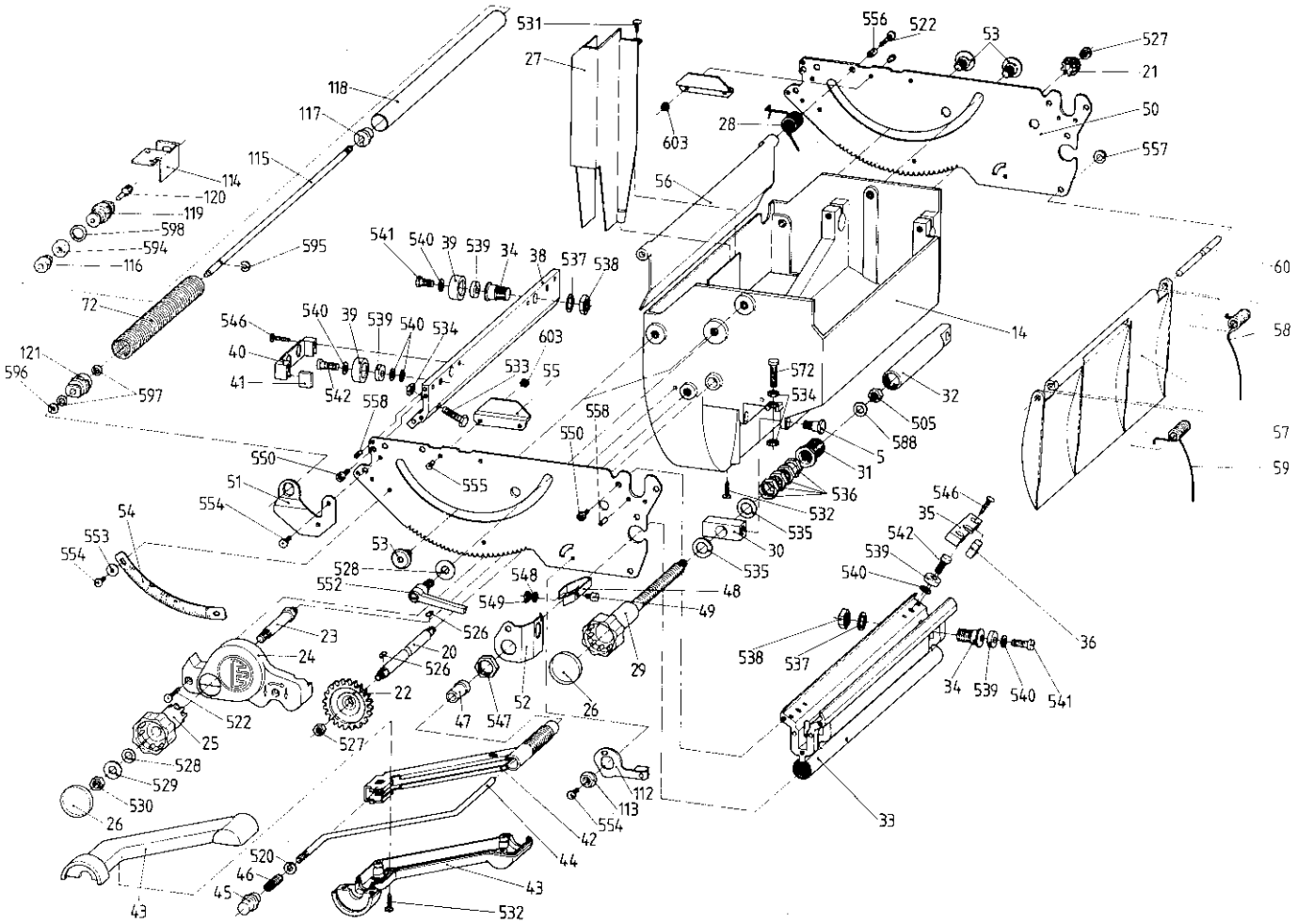
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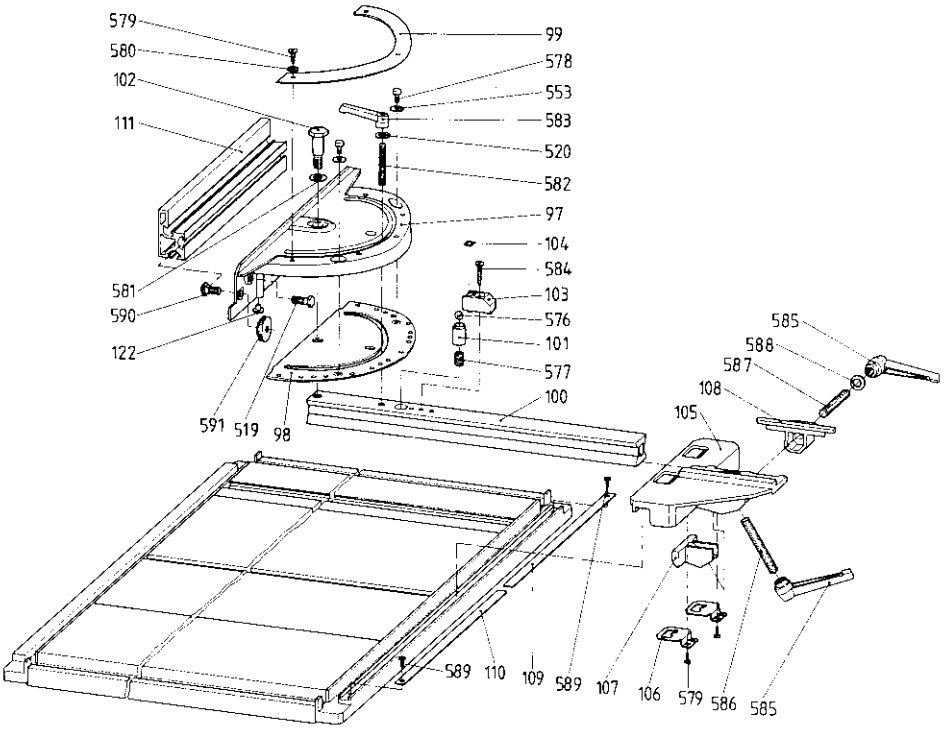
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