AXMINSTER
PROfessional

AP254SB
Sliding Table


3 AXMINSTER · THREE YEAR GUARANTEE
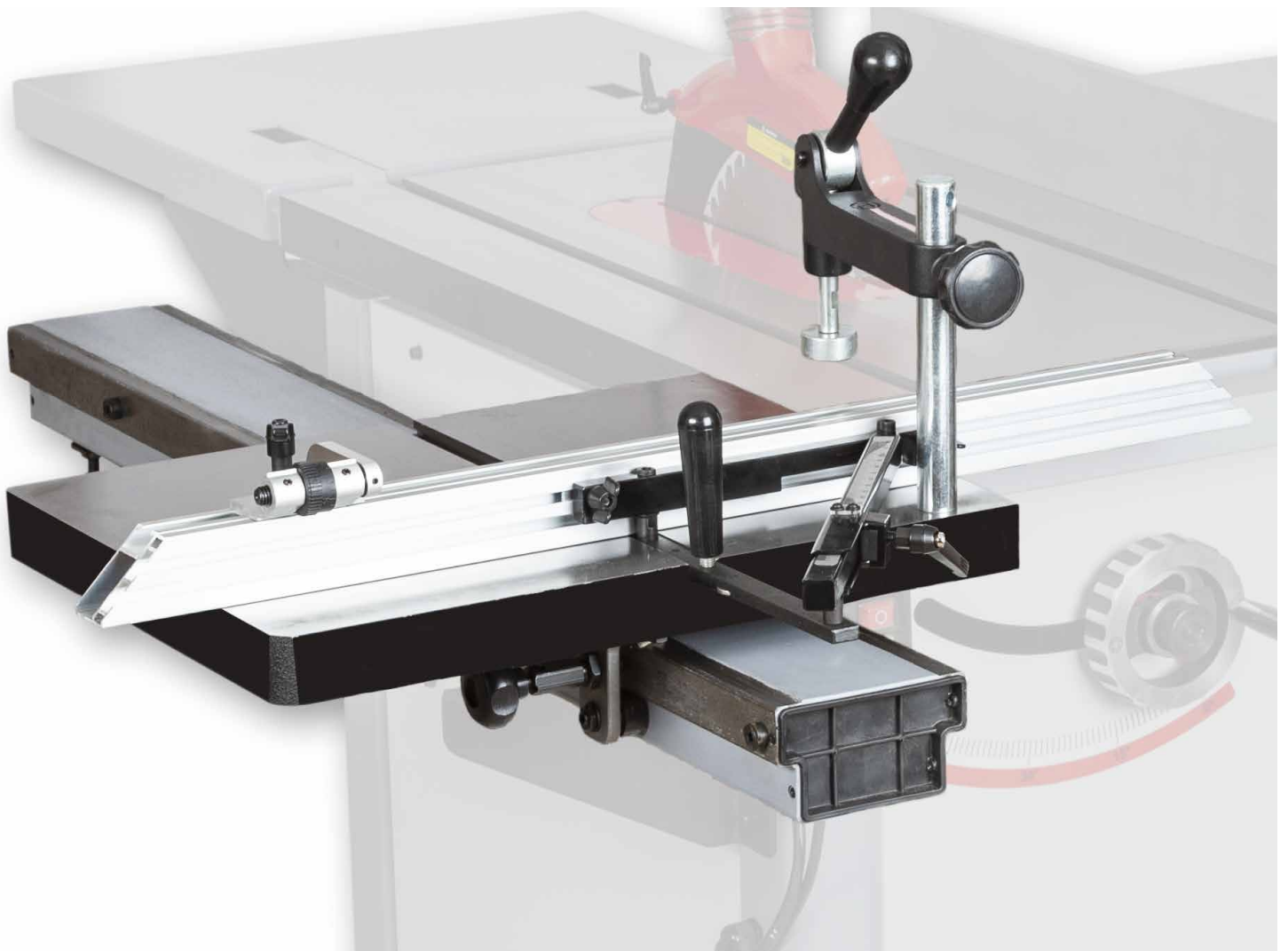
INDEX OF CONTENTS

WHAT'S INCLUDED

Part	Description
A	Rail Support Angle Brackets & four M8 Cap head Bolts/Washers
B	Main Support Rail
C	Sliding Table Assembly
D	Distance Repeat Stop
E	Hold Down Clamp
F	Hold Down Clamp Support Bar
G	Angle Gauge Sliding Table Fence
H	Angle Gauge

The symbols below advise the correct safety procedures when using this machine.
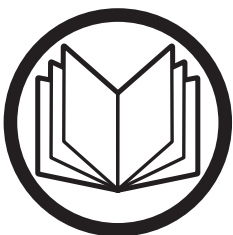
Fully read manual and safety instructions before use	Ear protection should be worn	Eye protection should be worn	Dust mask should be worn	HAZARD

A

B

C

D

E

F

G
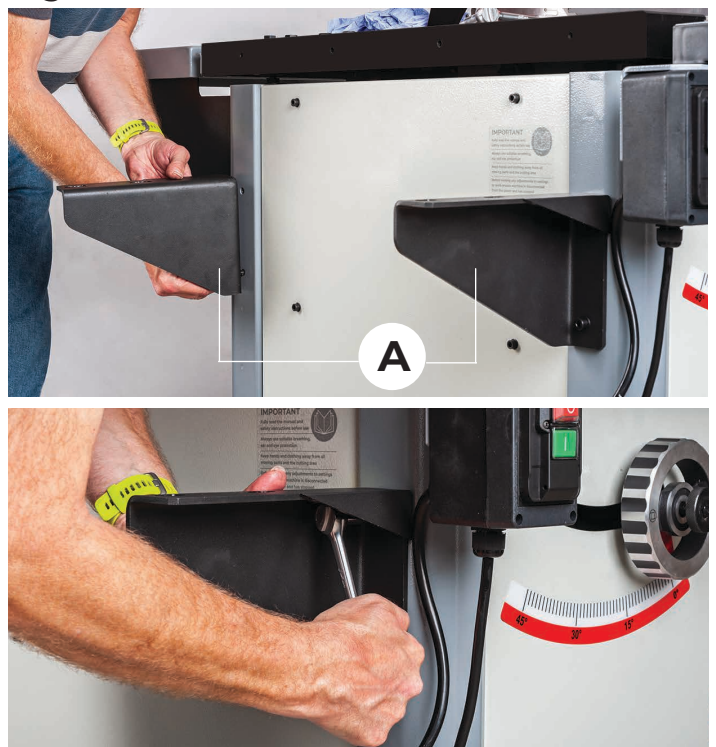
H

ASSEMBLY

Fitting the Rail Brackets

1. Locate the two rail support angle brackets and the four M8 cap head bolts/washers (A).

2. Offer up the two holes in each support bracket (A) with the threaded holes to the left hand side of the 'Table Saws' support columns and secure in place with the four M8 cap head bolts/washers, see fig 01-02-03.
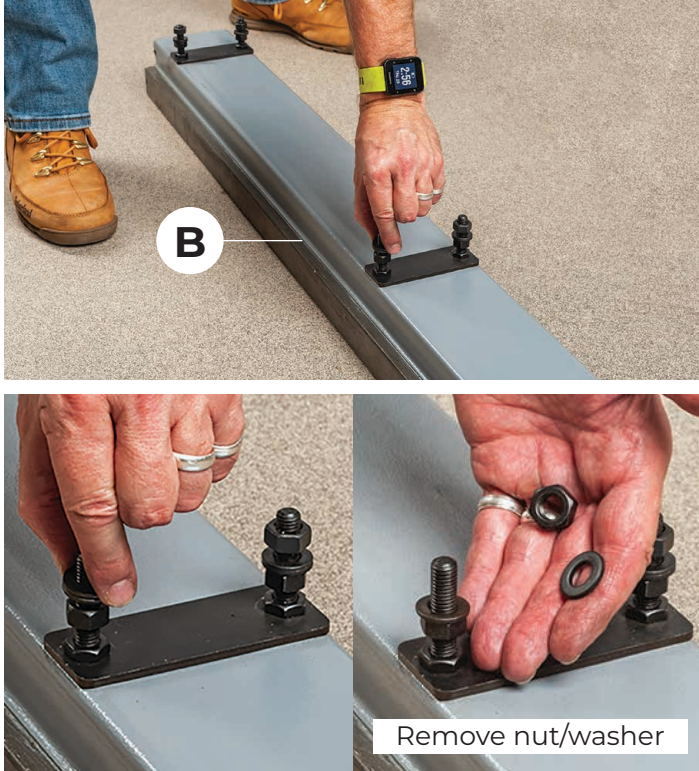
Fig 01

Fig 02-03

A

3

Fitting the Sliding Table Support Rail

1. Locate the support rail (B), turn over and remove the first nut and washer from each of the threaded studs and place safely aside, see fig 04-05.

Fig 04-05

Remove nut/washer

2. Lineup the four threaded studs with the pre-drilled holes in the support brackets (A) and lower the support rail (B) down onto the angle brackets, see fig 06-07.

Fig 06-07

Fig 08-09

A

Locking nut
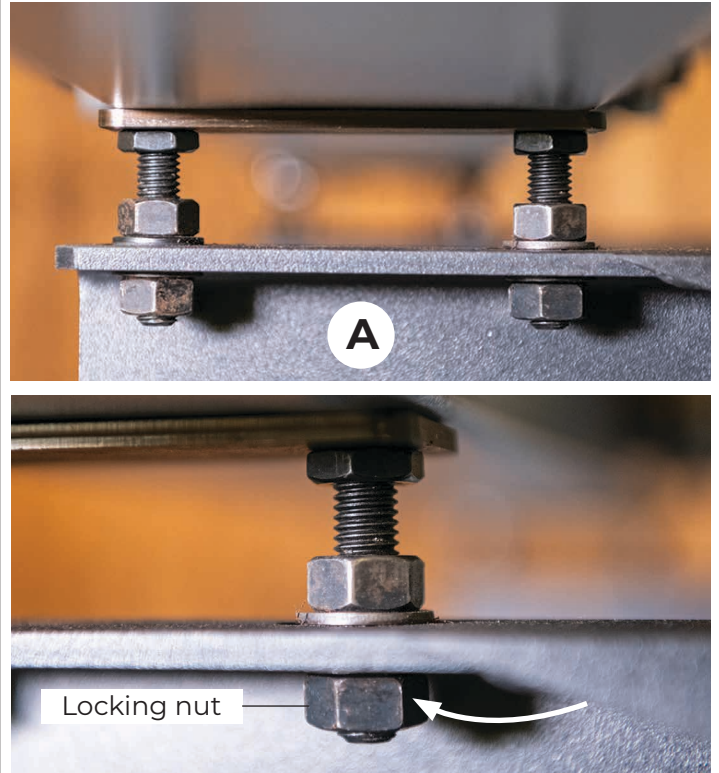
3. Replace the nuts/washers you removed earlier, lightly tighten, see fig 08-09.

Fitting the Sliding Table

1. Locate the sliding table (C), position the running gear to the under side of the table to the end of support rail (B). Pull out the table stop pin knob and roll the table assembly onto the support rail, see 10-11.

Fig 10-11

C

Fig 12-13
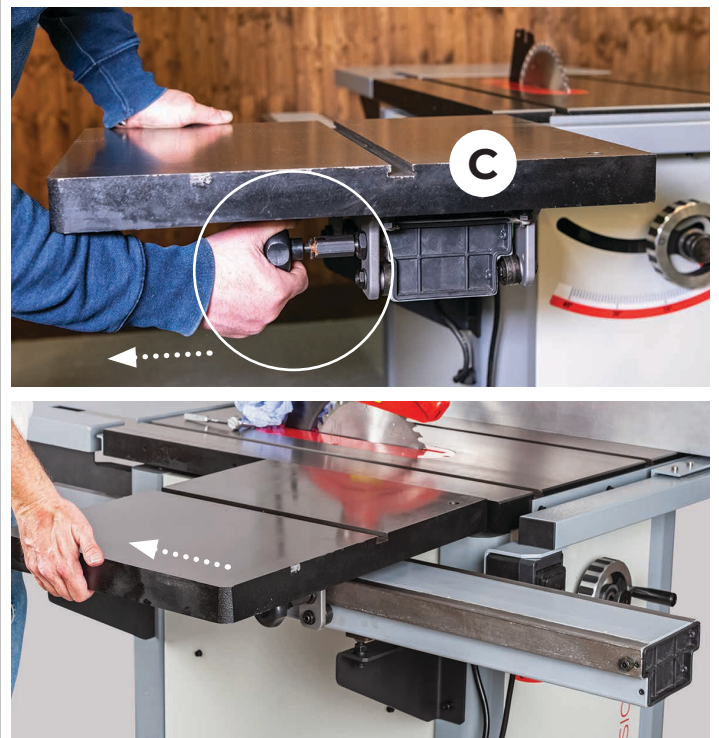

Adjusting nut

2. Place a straight edge a crossed both tables, see fig 12. Loosen the support rail (B) locking nuts below the angle brackets (A), see fig 09 and adjust the four upper nuts above angle brackets to raise or lower the support rail assembly, see fig 13. **NOTE: make small adjustments** until the sliding table (C) is 0.5mm above the main table. Once complete tighten the locking nuts to secure the support rail in place. **See set up / alignment on page 6 for levelling the sliding table to the main table in more detail.**

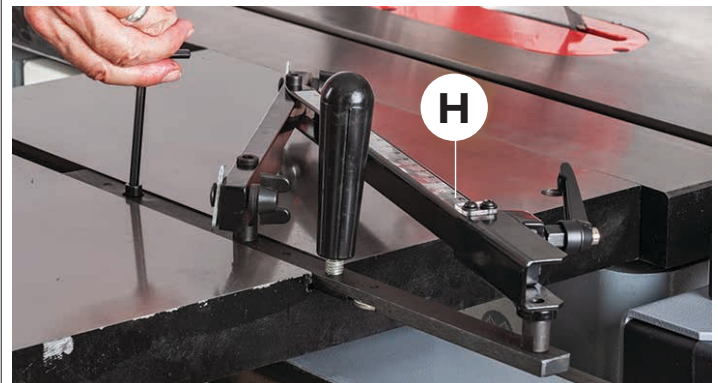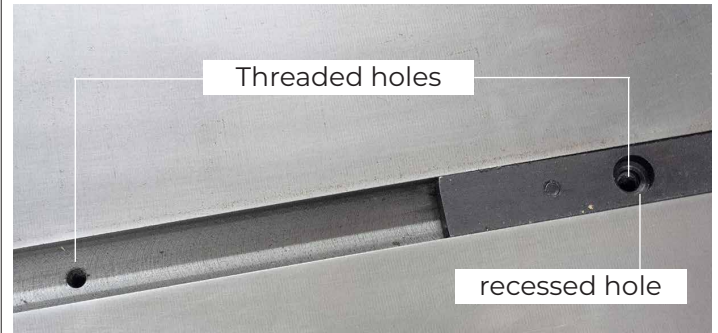### Fitting the Angle Gauge

1. Locate the angle gauge (H), using a hex key remove the cap head bolt in the sliding tables 'T' slot and place safely to one side, see fig 14.

Fig 14

Cap head bolt

2. Slide the angle gauge (H) into the sliding tables 'T' slot. **Note: there are two threaded holes in the tables 'T' slot, enabling the angle gauge to be set in two positions, see fig 15.** This gives extra support for different lengths of timber.

Fig 15-16

Threaded holes

recessed hole

H

3. Line up the recessed hole in the angle gauge support bar with one of the threaded holes in the table and replace the cap head bolt you removed earlier, see fig 16.

Fitting the Angle Gauge Sliding Table Fence

1. Find the sliding table fence (G), loosen the two thumb screws on the angle gauge (H) to give sufficient clearance to the 'T' bolt clamps, see fig 17.

Fig 17-18-19

'T' Bolt clamp

Thumb screw

G

2. Line up the 'T' slot in the aluminium fence (G) with the first 'T' bolt clamp and slide on the fence. Repeat for the remaining 'T' bolt clamp, see 18-19. Nip-up the thumb screws to lock the fence in place.

ASSEMBLY

Fitting the Distance Repeat Stop

Locate the distance repeat stop (D), loosen the clamping handle on the distance stop, insert the 'T' bolt into the 'T' slot to the centre of the aluminium fence (G) and slide the distance stop on, see fig 20. Nip-up the handle.
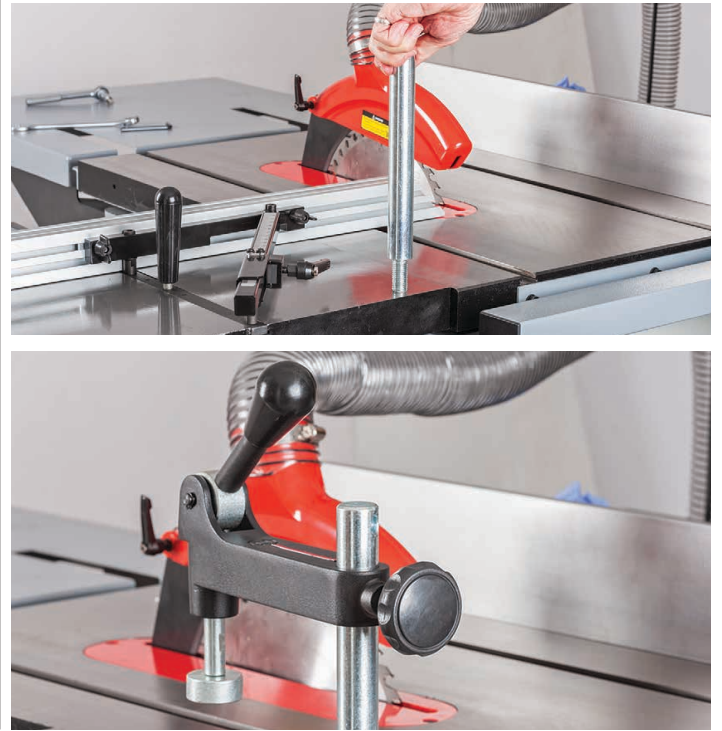
Fig 20-21

Clamping handle

'T' Bolt

D
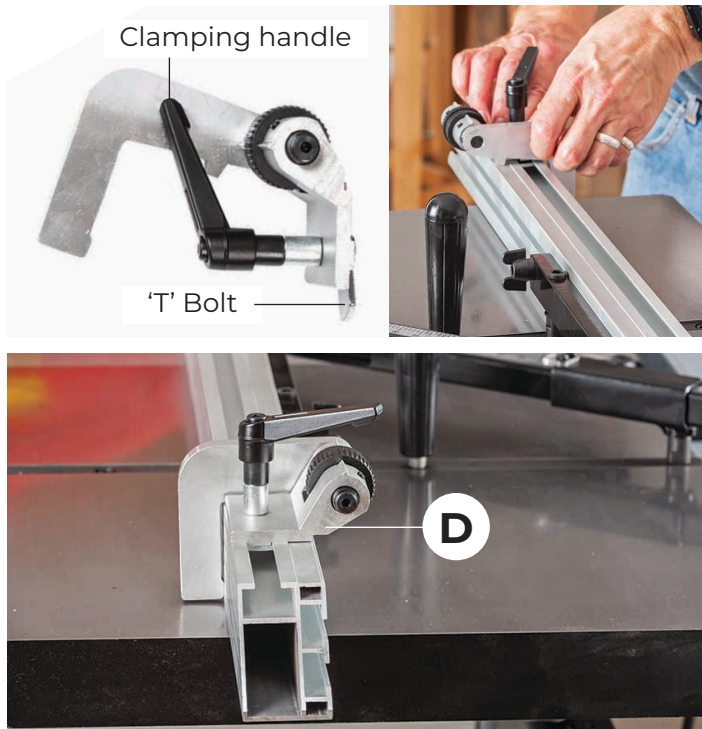
Fitting the Hold Down Clamp

Find the hold down clamp assembly (E) and support bar (F). Screw the support bar into the threaded hole in the sliding table (C), loosen the clamping knob on the hold clamp and slide it down over the bar and re-tighten to secure the hold down clamp in place, see fig 22-23.

Fig 22-23

SET UP / ALIGNMENT

Levelling the Sliding Table to the Main Table

The main cast iron sliding table should sit 0.5mm above and level with the main saw table. If the sliding table is too low the fence & timber will drag on the main saw table & will be difficult to feed through the cut, this will also result in a slightly angled cut. If the sliding table is too high, the timber may tilt resulting in an angled cut with a poor finish due to timber movement through poor support.

1. Firstly, slide the table into position on the rail, see fig 24.

Fig 24-25

2. Use a straight edge or the supplied fence to check alignment, see fig 25.
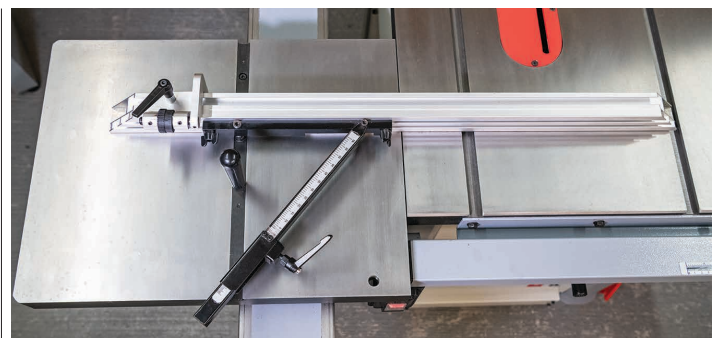
3. If the table appears too low, it will need to be raised, see fig 26.

Fig 26

6

Fig 27-28

Fig 31-32

3. If the table appears too high, it will need to be lowered, see fig 27.

4. There are four adjusting bolts located on the underside of the rail, these bolts will allow movement of the rail & table for height & levelling, see fig 28.

5. Firstly unlock the lower nut then wind the upper nut either up or down until the correct table height & level is achieved, see fig 29-30. Ensure that this adjustment process is done both in front of and behind the blade, see fig 31-32.
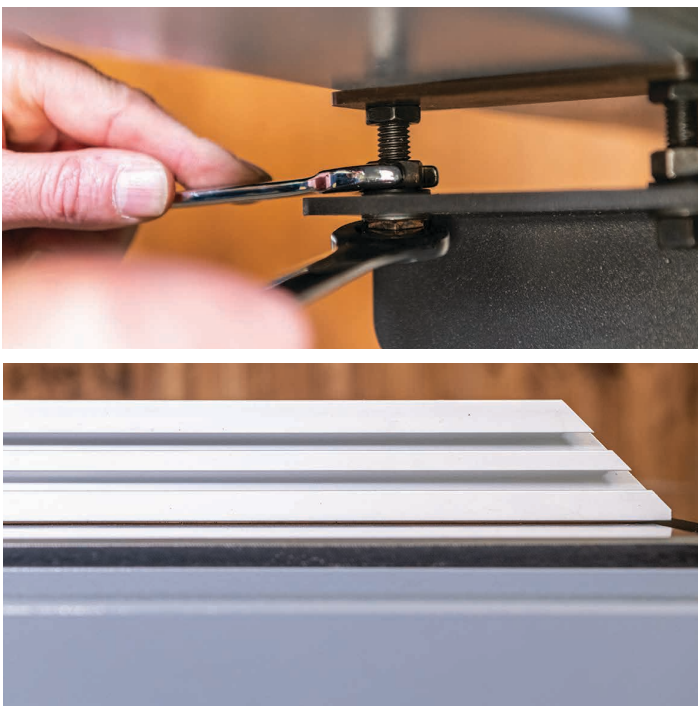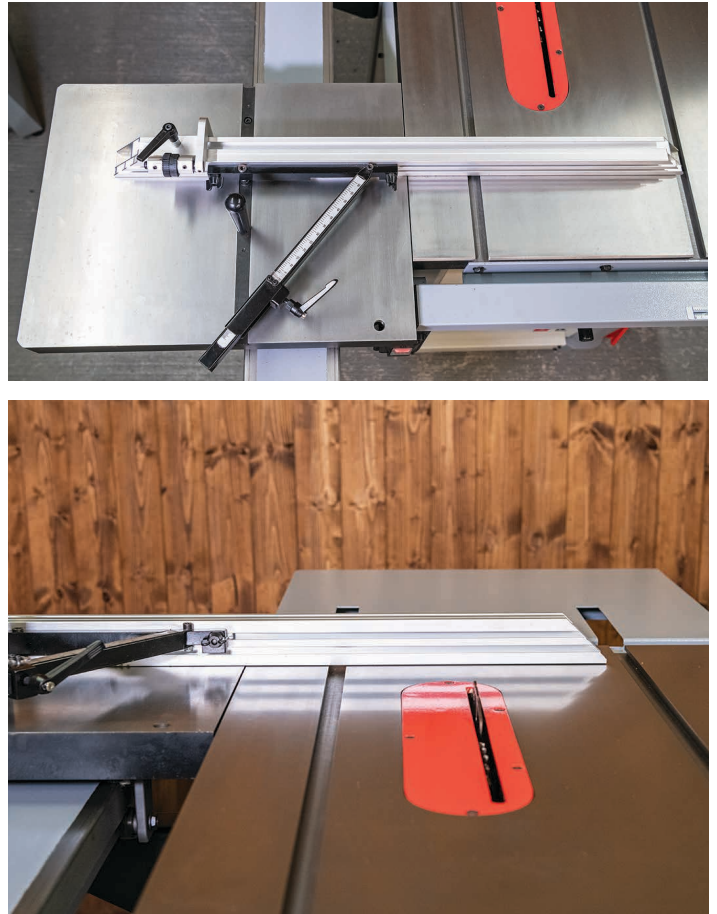
Aligning to the Blade

The sliding table should slide through smoothly & be in line with the blade.

1. With the sliding table positioned at the font of the main saw table undo the 2 black plastic thumb screws and slide the fence to meet the edge of the mitre fence slot, see fig 33.

Fig 29-30

Fig 33

Thumb screw

SET UP / ALIGNMENT

Fig 34-35

2. Move the sliding table through its full travel toward the back of the machine checking where the edge of the fence meets the edge of the mitre fence slot, see fig 34-35.

3. Adjustments are made by releasing both left & right lower nuts on the underside of the rail, see fig 36. Then tapping the rails left or right to align it to the mitre fence slot, see fig 37.

Fig 36-37

Fig 38

4. The gap between the edge of the sliding table & the edge of the main saw table should be a 1-2mm consistent front to back, see fig 38.

5. This can be also checked against the blade. Wind the blade up to its highest point then by slide the fence over to make very light contact with one of the blades tips at the front, slide through and check this also at the back of the blade, see fig 39-40.

Fig 39-40

Squaring to the Blade

To achieve square cuts, it's important to square the sliding table fence to the blade.

1. Slide the fence over close to the blade, see fig 41.

2. Position a large square against the fence then slide it over to meet the blade which should be raised up to its highest point, see fig 42.

3. Ensuring that the square is making contact with the plate of the blade and not the tips check for square, see fig 43.
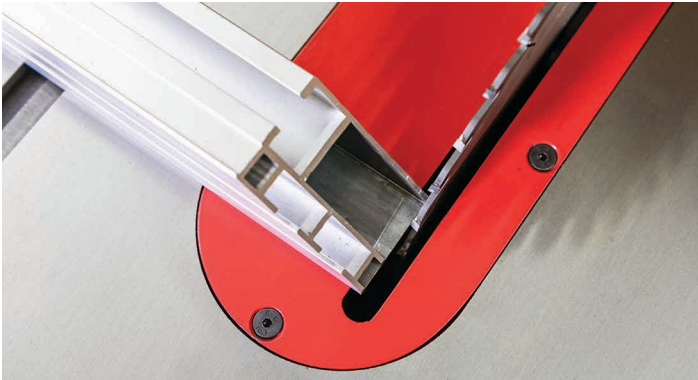
Fig 41-42

Fig 43-44

4. If the fence appears out of square to the blade adjustment is made by firstly unlocking the angle adjustment lever, see fig 44. Then pivot the fence left or right until the square is fully contacting both the fence and the plate of the blade, see fig 45.
5. Lock in place when square then adjust the pointer to zero, see fig 46.

Fig 45-46

The only true way of checking to see if a sliding table is aligned and square to the blade is to perform some test cuts.

Check alignment by performing a test cut, this is best done on MDF as the cut results are clearer.

Using the sliding table cut along one edge, you should hear a very slight back cut where the back of the blade is lightly contacting the material, this is sometimes highlighted by a subtle criss-cross pattern on the cut edge of the material. If burning occurs at the end of the cut it is a sign that the sliding table is towing in toward the back of the blade and will need to move out slightly.

The five cut method is a simple way to check that the sliding table is square to the blade-

• Using a small board around 400mm square, mark one edge, then make a very small trimming cut, see fig 47.

Fig 47

• The rotate the board clockwise so that the first cut edge is against the fence, see fig 48.

Fig 48
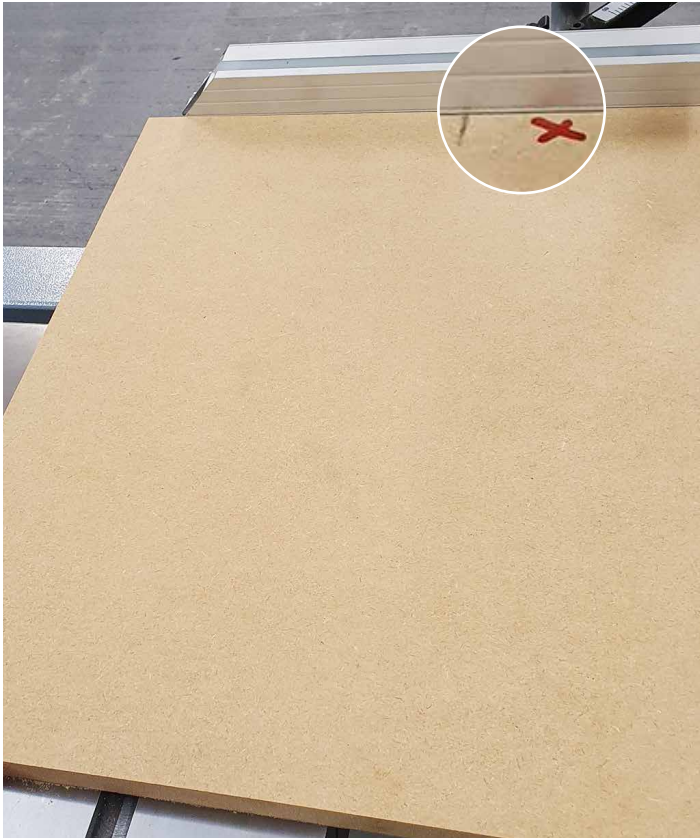
• Repeat the clockwise rotation and cut twice more, see fig 49-50.

Fig 49

Fig 50

• The 5th cut will be a larger cut of around 1cm, cutting off the very first cut edge, see fig 51.

Fig 51

• Measure both ends of the 5th cut strip, see fig 52-53.

Fig 52-53

• Generally, only very subtle adjustments will need to be made. Remember the amount of measurement difference from one end to another is four times the adjustment that needs to be made.

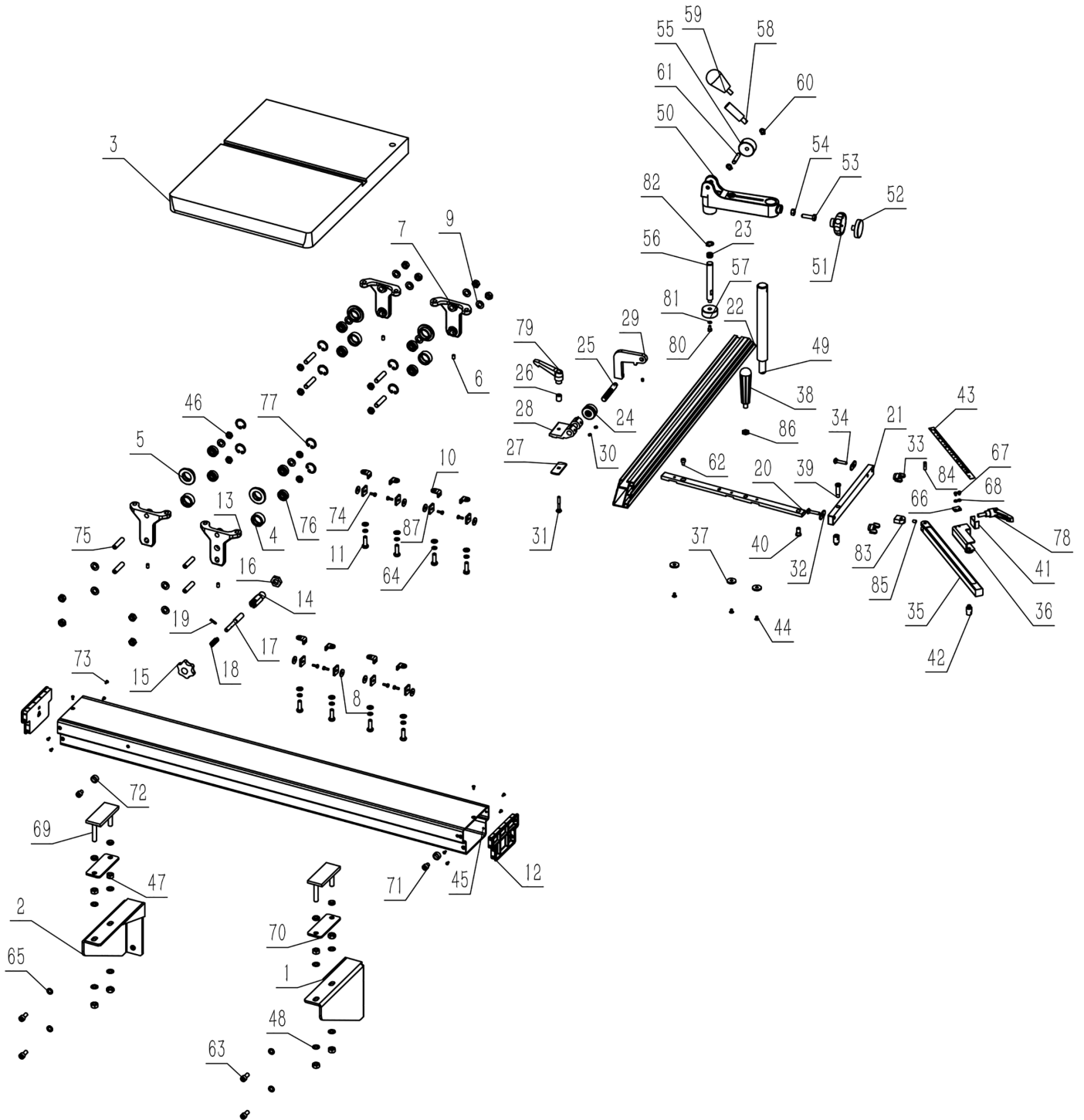| No.	Description	QTY
1	Front Supporting Bracket,Sliding Table Rail	1
2	Rear Supporting Bracket,Sliding Table Rail	1
3	Sliding Table	1
4	Roller A	4
5	Roller B	4
6	Hex. Socket Flat End Set Screw M8X6	4
7	Bearing Mounting Base	3
8	Special Big Washer 5	8
9	Washer 10	12
10	Felt Pad Seat	8
11	Hex. Bolt M8X25	8
12	End Cap,Sliding Table Rail	2
13	Bearing Mounting Base	1
14	Fixed Sleeve	1
15	Locking Knob	1
16	Thin Hex. Nut M16	1
17	Fixed Shaft,Sliding Table	1
18	Spring	1
19	Open Cylindrical Pin	1
20	Guide Rail	1
21	Mounting Board,Angle	1
22	Rip Fence,Sliding Table	1
23	Spring	1
24	Fine Adjusting Calibration Wheel	1
25	Stud,Flip Stop	1
26	Ratchet Lever Spcer	1
27	Screw Guide	1
28	Flip Stop Base	1
29	Flip Stop	1
30	Hex. Socket Flat End Set Screw M6X10	3
31	Semi-Round Step Bolt M6X40	1
32	Fixing Pad	2
33	Wing Nut	2
34	Hex. Socket Flat End Set Screw M6X35	2
35	Angle Rod	1
36	Locking Sleeve,Angle Rod	1
37	Rail Washer	3
38	Locking Handle	1
39	Long Step Screw	1
40	Step Screw	1
41	Spacer	1
42	Cushion Sleeve	2
43	Angle Scale	1
44	Hex. Socket Countersunk Screw M5X8	3
45	Sliding Table Rail	1
46	Thin Hex. Nut M10	12
47	Hex. Nut M10	16
48	Washer 10	8
49	Stud,Hold Down	1
50	Arm,Hold Down	1
51	Locking Knob	1
52	End Cap,Locking Knob	1
53	Hex. Bolt M8X30	1
54	Hex. Nut M8	1
55	Eccentric,Hold Down	1
56	Stud,Hold Down	1
57	Disc,Hold Down	1
58	Screw Rod,Hold Down	1
59	Locking Handle	1
60	Circlips For Shaft 8	2
61	Eccentric Shaft	1
62	Hex. Socket Cap Head Screw M6X10	1
63	Hex. Socket Cap Head Screw M8X20	4
64	Spring Washer 8	12
65	Washer 8	12
66	Pointer	1
67	Cross Recessed Pan Head Screw M4X5	2
68	Washer 4	2
69	Square Bolt	2
70	Spacer,Square Bolt	2
71	Hex. Socket Cap Head Screw M8X12	2
72	Rubber Stopping Sleeve	2
73	Cross Recessed Countersunk Tapping Screw ST3.5X8	10
74	Cross Recessed Pan Head Screw M4X12	8
75	Hex. Socket Flat End Set Screw M10X45	8
76	Deep Groove Ball Bearing 6000-2LS	8
77	Circlips For Hole 47	8
78	Ratchet Lever A	1
79	Ratchet Lever B	1
80	Hex. Socket Cap Head Screw M5X10	1
81	Washer 5	1
82	Circlips For Shaft 14	1
83	Axle Seat	1
84	Round Pin 6X20	1
85	Hex. Socket Flat End Set Screw M6X8	1
86	Thin Hex. Nut M10	1
87	Felt Pad	8

The Axminster guarantee

Buy with confidence from Axminster!
So sure are we of the quality, we cover all parts and labour free of charge for three years!

For more information visit **axminstertools.com/3years**

The packaging is suitable for recycling.
Please dispose of it in a responsible manner.

EU Countries Only

Do not dispose of electric tools together with household waste material.
By law they must be collected and recycled separately.