

# Routerack®

# Universal Router Stand Set

# Instruction Manual

**Trend Machinery & Cutting Tools Ltd.** Unit 6 Odhams Trading Estate Watford WD2 5RE England

Sales:		01923	249911
Techni	ical Enquiries	01923	224681
Fax:		01923	236879
Email:	mailserver@	®trendı	n.co.uk
www	: http://www	trendi	m.co.uk



#### Dear Customer

Thank you for purchasing the Trend Routerack. We hope you enjoy many years of creative and productive use of this universal stand.

Trend welcomes comments on this and all our products in our aim to develop and improve what we do to meet the needs of you, the customer.

Please contact our Technical Department in the first instance if you have any comments or queries.

Trend is the UK's leading supplier of router cutters, equipment and accessories. Our Craft range of cutters is designed specifically to meet the needs of amateur Craftsmen and woodworking enthusiasts in quality and value.

For the professional woodworker, the Trend Professional Range of Routing Products has become the industry's standard guide to the most comprehensive range of router cutters and related products available in the UK.

Please contact your nearest Trend Stockist to obtain any of our products and for a copy of the latest Trend Routing Catalogue.

# trend

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#### INTRODUCTION

The Trend Routerack is of a modular design, enabling the Elu range and other makes of router to be mounted in numerous ways.

The assembly instructions shown in this manual include many accessories that can be purchased separately to extend the applications of the Routerack. Alternatively, they can be home-made to suit the user's particular requirements.

The Routerack enables the portable router to be fixed in four different modes to take full advantage of the versatility of the router. These are as follows:

- Table routing mode
- Single pillar overhead routing mode
- Twin pillar overhead routing mode
- Lateral routing mode

The assembly instructions for each of these positions is included in this manual.

Mounting the router in a fixed position provides many advantages:

- More accuracy especially important for joinery
- More control to improve safety
- Enables larger cutters to be used
- Enables narrow workpieces to be machined
- Facilitates copy routing operations

#### USING THE ROUTERACK

When your router is being used inverted as a table router, periodically turn router over to remove any wood chips or dust. This will prevent clogging and over heating causing eventual damage to your router. Dust extraction equipment should remove all the fine dust particles.

Check all nuts, bolts and screws periodically as continuous vibrations may cause them to work loose.

Use good woodworking practice and common sense with any portable router, fixed or otherwise.

#### SAFETY PRECAUTIONS

- **1.** Always switch off power and unplug router when changing cutters, or making adjustments
- 2. Use ear defenders
- 3. Wear sound protective ear muffs.
- 4. Do not start-up with cutter in the work.

#### **CUTTER CARE**

- 1. Do not drop cutters or knock against hard objects.
- 2. Keep cutters sharp to reduce motor overload or burning and produce a better finish.
- **3.** Cutters should be kept clean. Resin build-up should be removed at regular intervals with a solvent. If the cutter has a bearing fitted, this should be removed first. The use of a dry lubricant will act as a preventative e.g. Trendicote spray.
- Cutter shanks should be inserted at least 3/4 of shank length to prevent distortion. A distorted collet should be discarded, as it can cause vibration and damage the shank.
- **5.** Do not overtighten collet as this will score the shank and create a weakness there.
- 6. It is also advisable to check collet nut.

#### TOOLS REQUIRED FOR ASSEMBLY

#### Spanners -

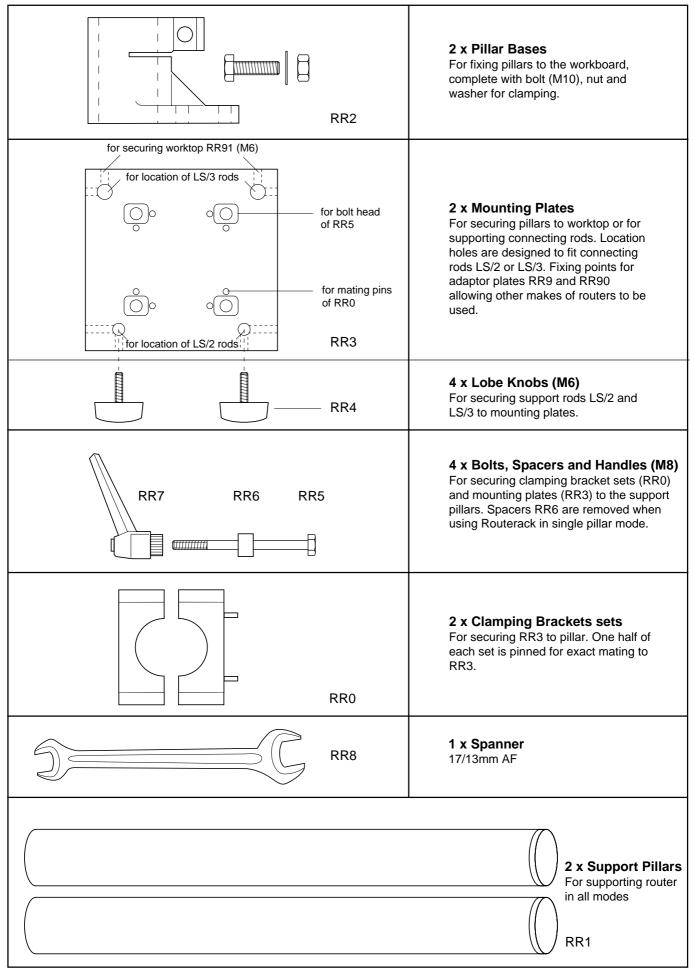
10mm -when using backfence and pressure guards 13mm and 17mm (double end spanner 13mm and 17mm is supplied with basic Routerack Kit)

Screwdriver - flat 8 - 12mm.

Box Spanner - 13mm - when using workboard.



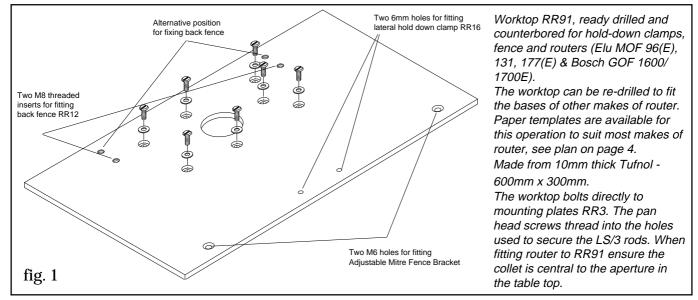
### BASIC ROUTERACK SET - RR/SET (Parts available separately)



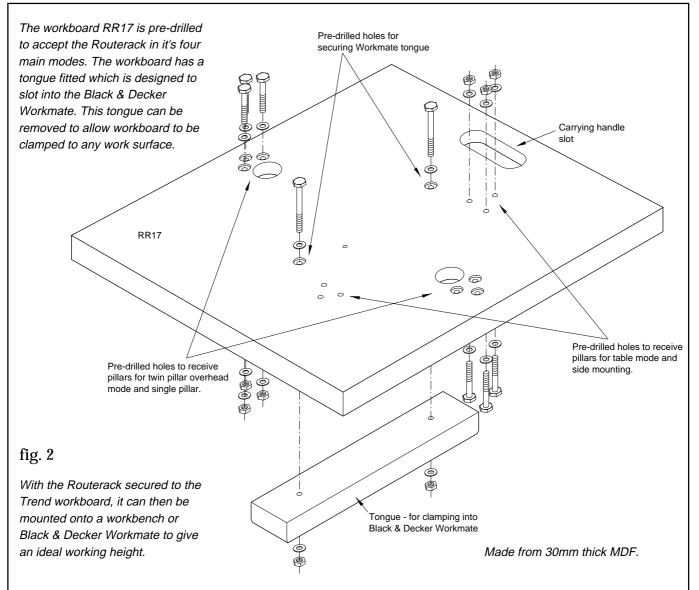


# **ACCESSORIES for Table Mode**

# Worktop - RR91



# Workboard - RR17





# Assembly of Table Mode - see fig. 3

- **a.** Bolt pillar bases (RR2) to workboard (RR17), only lightly tighten the nuts. M8 x 75mm bolts, washers and nuts are supplied with the workboard for this purpose.
- **b.** Insert pillars (RR1) fully into each pillar base. Lightly secure pillars into each base by tightening bolt with 17mm spanner provided.
- c. Repeat for each clamping assembly :
  - 1. Holding the mounting plate (RR3) insert bolts (RR5) ensuring bolt heads sit into square housings.
  - 2. Lay mounting plate flat leaving bolt studs protruding.
  - 3. Slide one half of clamping bracket (RR0 with two locating lugs) over studs ensuring lugs locate in mounting plate.
  - 4. Slide the other half of clamping bracket over studs so as to form a 35mm hole to slide down pillar.
  - 5. Take spacers (RR6) and slide one over each stud.
  - 6. Finally screw on both M8 handles (RR7), and lightly tighten.
- **d.** Slide one clamping assembly over each pillar. Swivel both assemblies to face inwards and align assemblies so that the mounting plates are flush with tops of pillars. Lightly clamp to pillars.
- e. Fitting the Worktop
  - 1. Lay the worktop onto the routerack assembly ensuring the counterbored holes are facing up.
  - 2. Align the four outside holes with the two mounting plates (RR3) and secure using M6 x 16mm pan head bolts supplied with the worktop. Only lightly tighten the bolts.
- f. The three counterbored holes which surround the cutter aperture are used to secure your router. The Worktop has been pre-drilled to receive the Elu MOF 96(E), 131, 177(E), OF97(E) and the Bosch 1600/1700E. Before mounting your router to the worktop, first fit a vertical fine adjuster which is recommended for table routing.

Secure router under table using three M6 x 16mm bolts supplied.

Tighten all bolts and handles securely and check periodically when in use.

When fitting other makes of router, the worktop will need to be re-drilled to fit the securing points on the base of the router. An appropriate template plan is available to aid in the marking out of these points. See chart below for correct selection of template plan.

#### **General Information**

- 1. A larger self-made false table and fence can be fabricated when working with large cutters or awkward sized material.
- When machining all sides of natural timber or grained man-made board, machine across the grain first. Any break-out incurred will be removed when machining along the grain.
- 3. Always keep a push stick in easy reach.
- 4. When machining curved work with a bearing guided cutter remove side fence and hold down clamps, and fit lead-on piece and a guard.

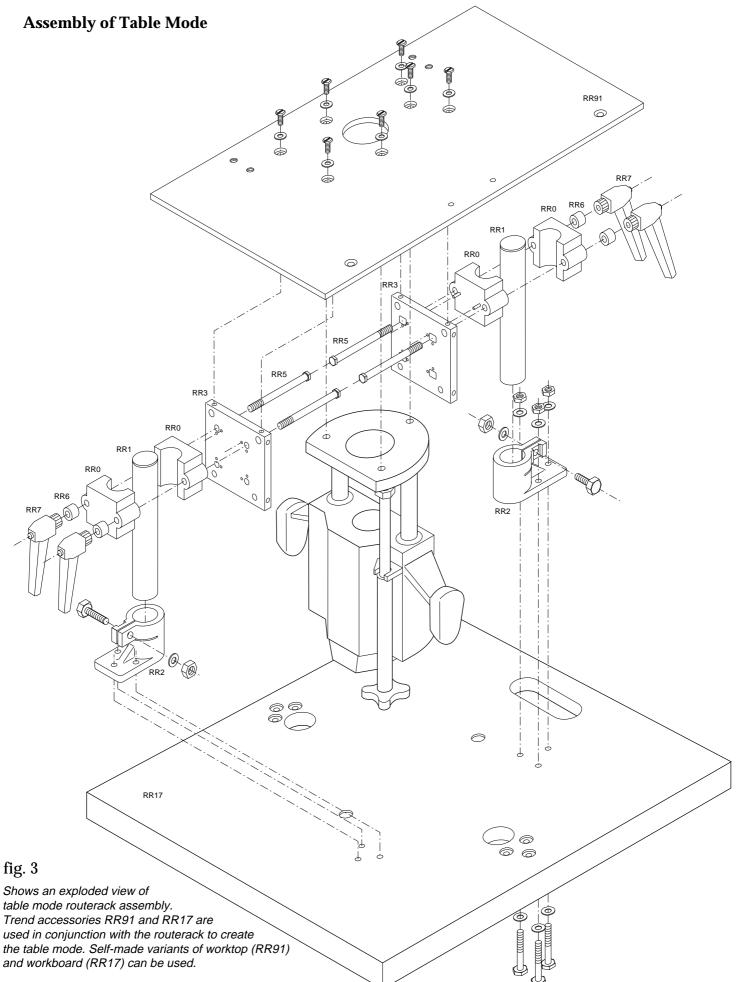
#### PAPER TEMPLATE PLAN - for fixing points for routers listed below

ELU MOF 96/96E Mk2	PLAN/01
ELU MOF 131/177/177E Mk2	PLAN/02
ELU MOF 69	PLAN/21
ELU OF97/97E	PLAN/34
AEG OFS50/OFSE850/OFS720/OF450S	PLAN/03
AEG OFSE2000	PLAN/07
BLACK & DECKER SR100	PLAN/03
BLACK & DECKER BD66	PLAN/04
BLACK & DECKER BD780/780E, KW780/780E	PLAN/30
BOSCH POF 400	PLAN/05
BOSCH POF 52/500/600ACE	PLAN/22
BOSCH GOF 1600A/1700ACE	PLAN/23
BOSCH GOF 900A/900ACE	PLAN/26
BOSCH GOF 1300ACE	PLAN/27

s tor routers listed below	
DEWALT 613	PLAN/01
FESTO OF900E	PLAN/06
FESTO OF2000E	PLAN/25
FREUD FT 2000E	PLAN/07
HITACHI FM8, ZK2008	PLAN/08
HITACHI TR12	PLAN/09
HITACHI M12V/M12SA	PLAN/10
HITACHI M8/M8V	PLAN/11
KANGO R855OS	PLAN/03
MAKITA 3620	PLAN/12
MAKITA 3612BR	PLAN/13
MAKITA 3600B	PLAN/14
MAKITA 3612C, 3612	PLAN/28
METABO OF508	Т.В.А

METABO OF528, OF1028, OFE1229	PLAN/15
METABO OF1612, OFE1812	PLAN/24
PEUGEOT DEF570E, DF55E	PLAN/16
PORTERCABLE 100, 690, 693	PLAN/31
PORTERCABLE 7519, 7539	PLAN/32
RYOBI R150, R151	PLAN/17
RYOBI R500	PLAN/18
RYOBI R502	PLAN/33
RYOBI R600N/RE600N	PLAN/19
RYOBI RE120	PLAN/29
SKIL 1835U	PLAN/20
SKIL 1875U1	PLAN/20
STAYER PR50	PLAN/03

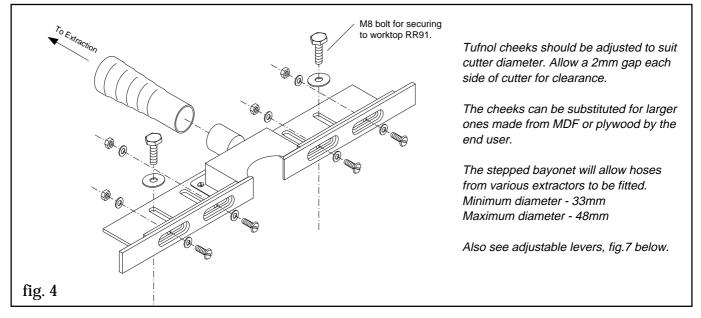






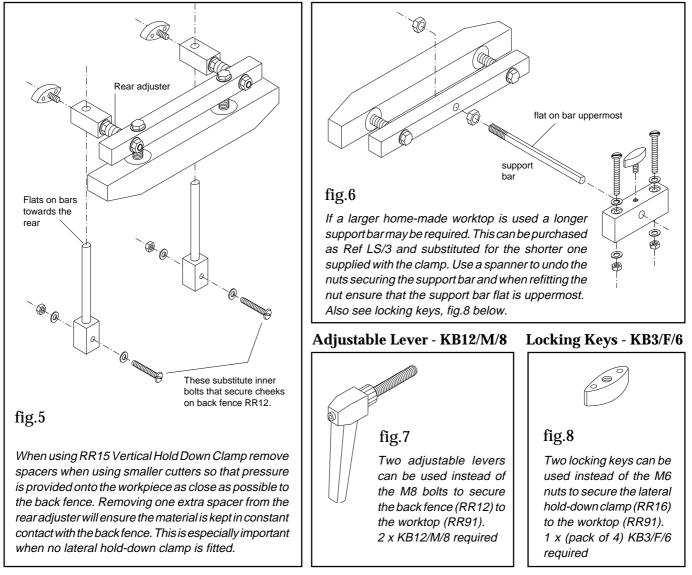
# **OPTIONAL ACCESSORIES for Table Mode**

# Vertical Adjustable Back Fence - RR12

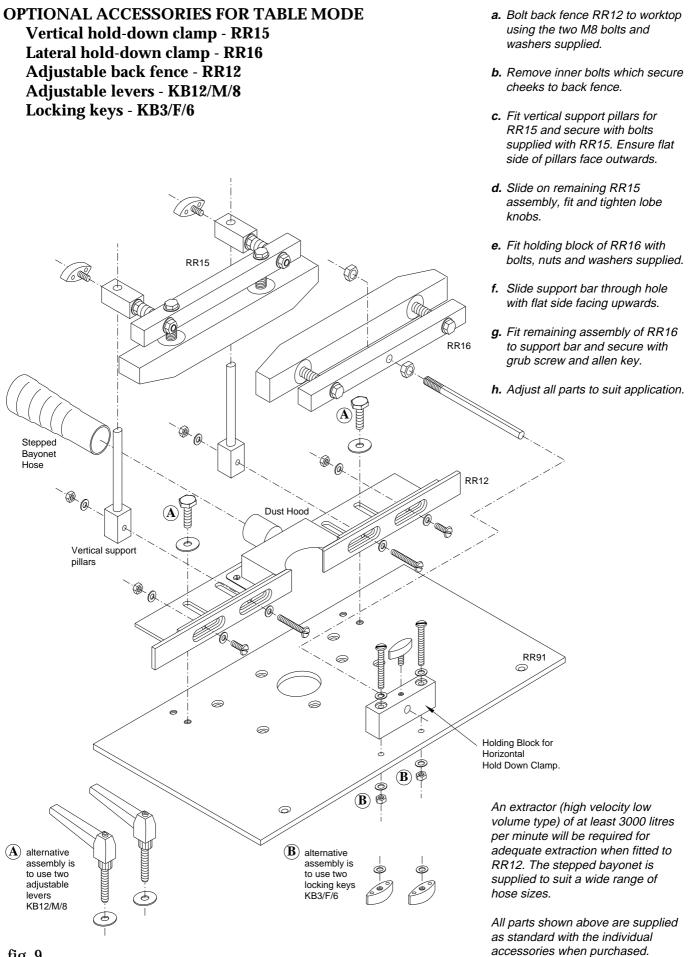


# Vertical Hold-down Clamp - RR15

# Lateral Hold-down Clamp - RR16



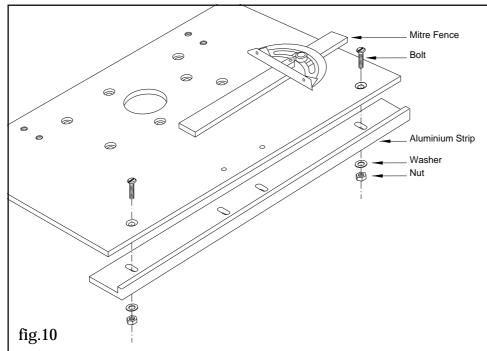








#### **Adjustable Mitre Fence - RR18**

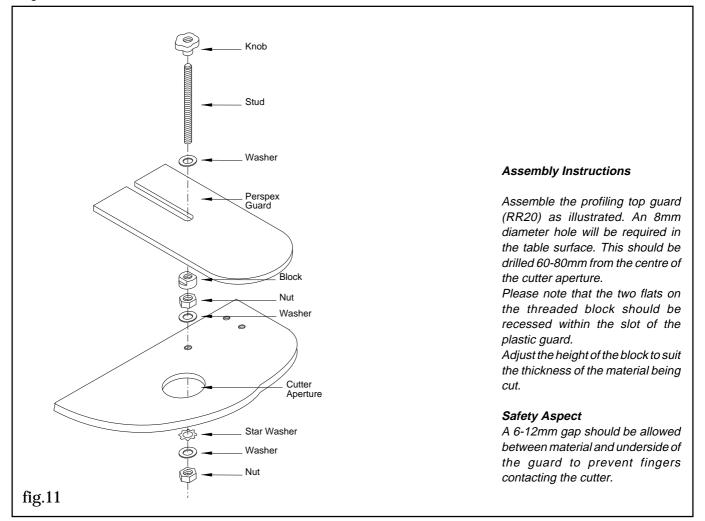


#### Assembly Instructions

Bolt the aluminium guide to the base edge of the table surface with the two bolts, washers and nuts provided. If holes are not pre-drilled they can be drilled with a 6mm diameter bit and countersink. Before tightening the nut, adjust the strip to allow the mitre fence to slide freely.

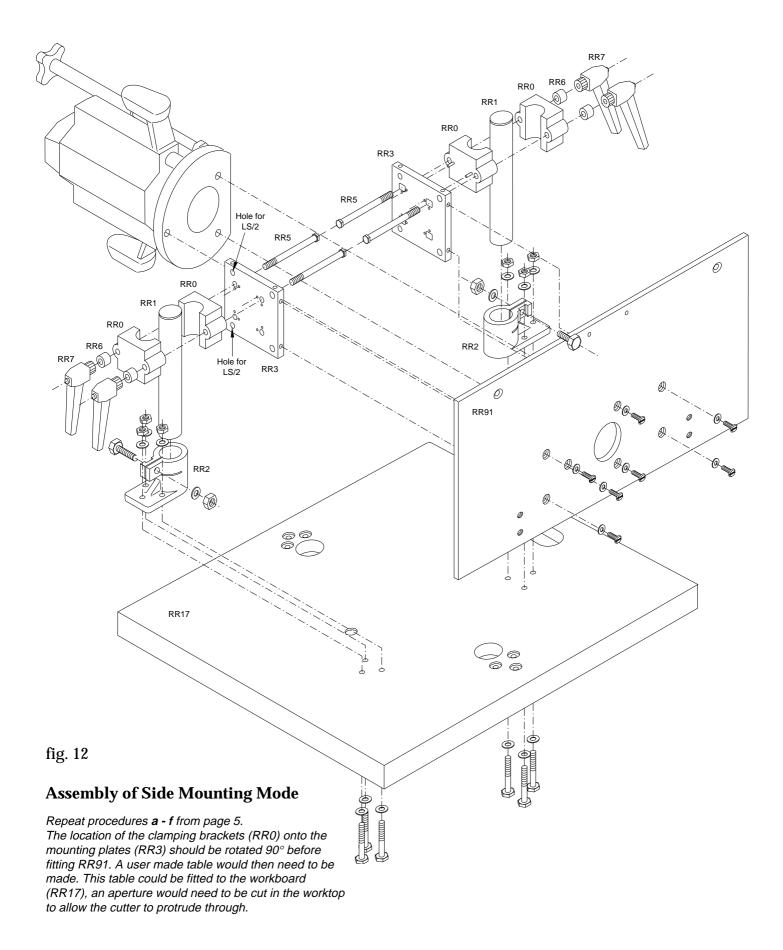
Holes in the aluminium guide are slotted so any side play can be taken up. Centre pair of holes are drilled to accept holding block for lateral hold-down clamp (RR16) see p.7.

#### **Adjustable Mitre Fence - RR18**

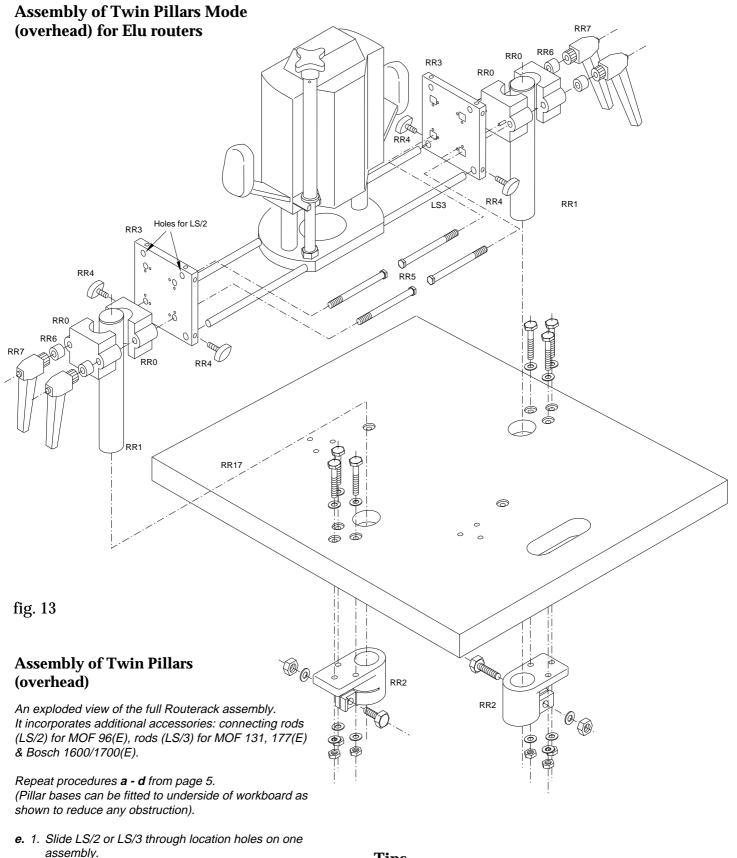




# Assembly of Side Mounting Mode







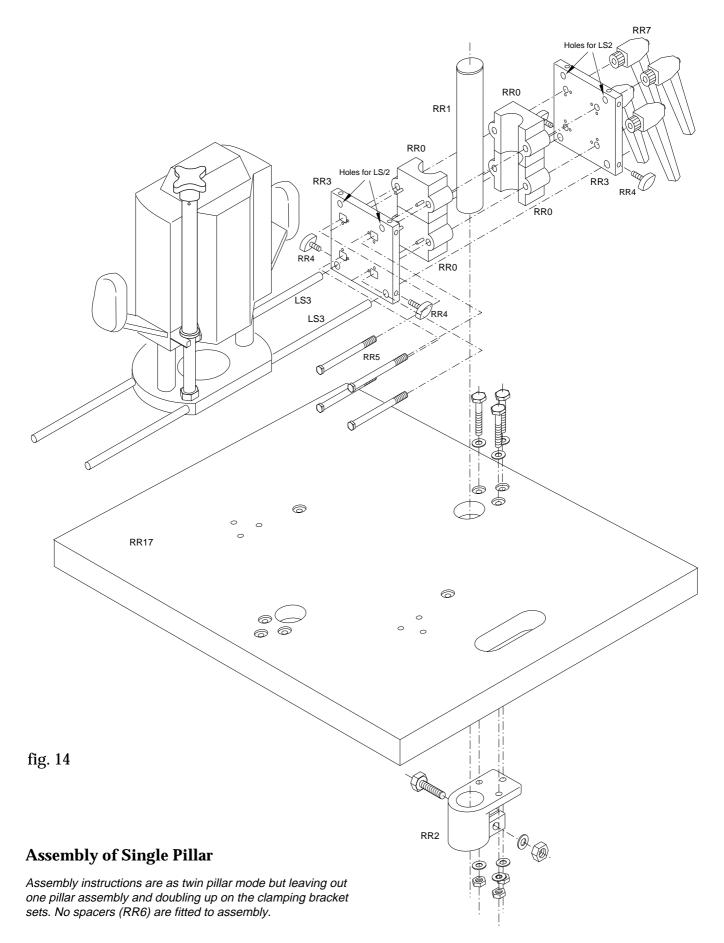
- 2. Slide bars through router.
- 3. Slide bars through second plate.
- 4. Secure with lobe knobs.
- 5. Adjust height of assembly to suit the application.

# Tips

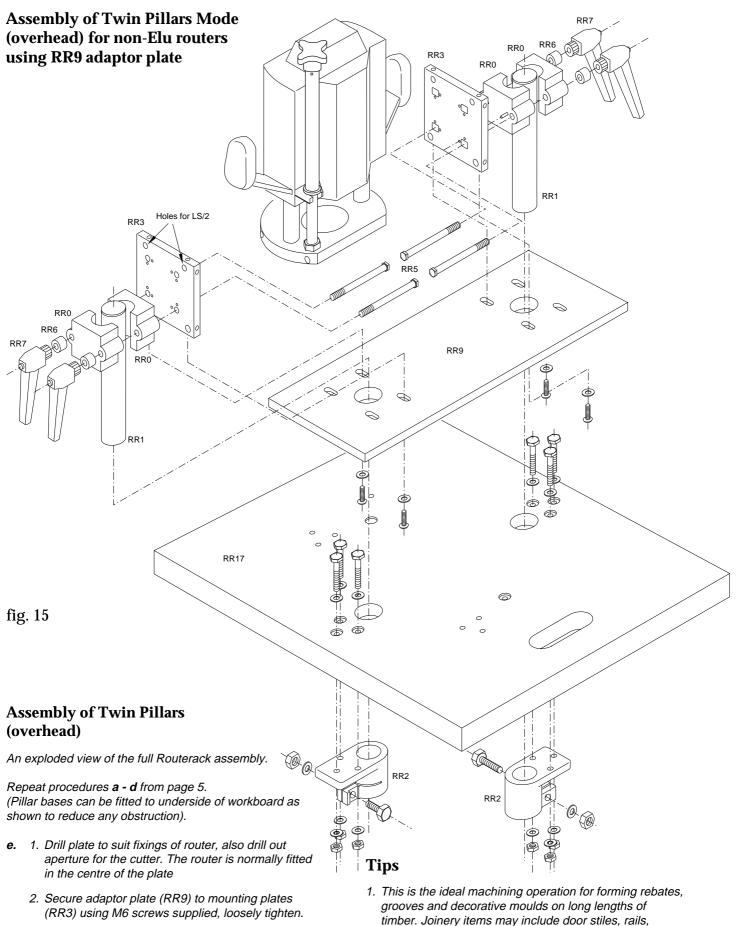
- 1. This is the ideal machining operation for forming rebates, grooves and decorative moulds on long lengths of timber. Joinery items may include door stiles, rails, transoms, mullions and jambs.
- 2. There is a width restriction of 480mm & height of 250mm.



Assembly of Single Pillar Mode for Elu routers





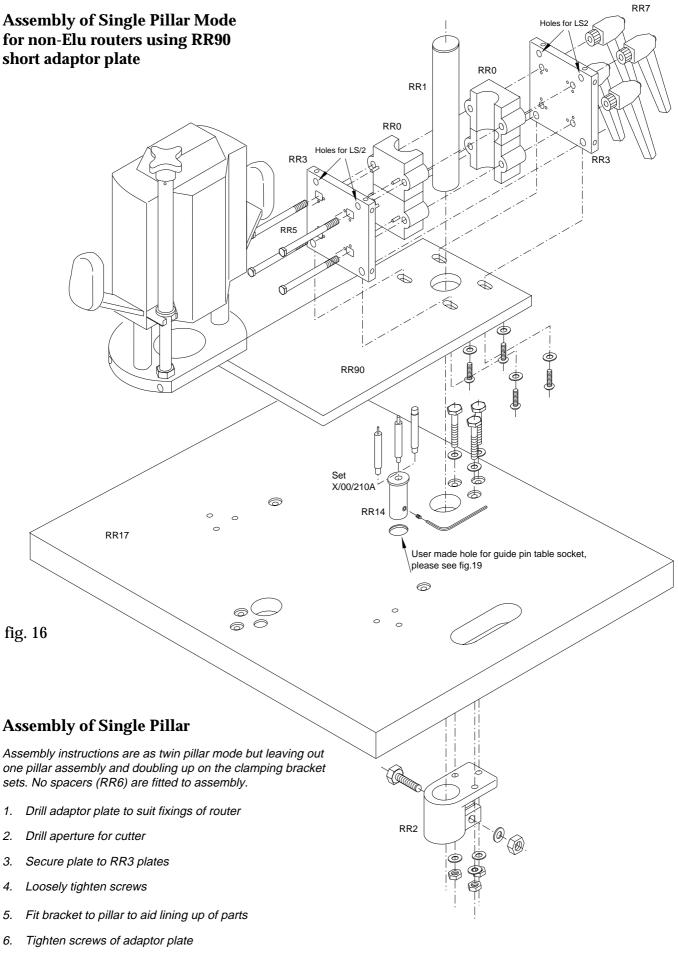


- 3. When brackets are in position tighten up screws.
- 4. Fit router to plate.

2. There is a width restriction of 480mm & height of 250mm.

transoms, mullions and jambs.



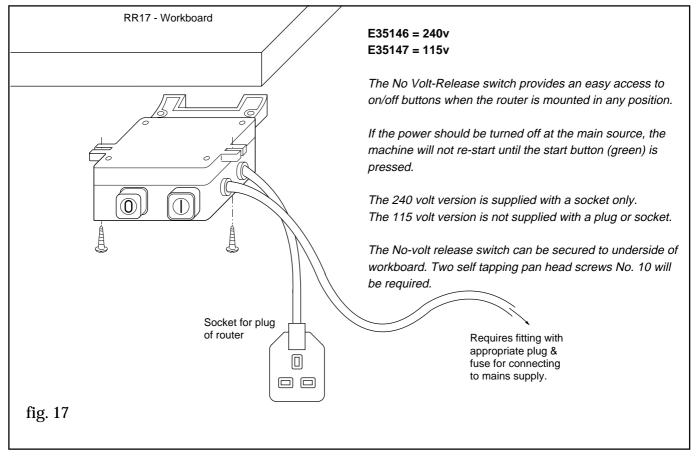


7. Fit router to adaptor plate

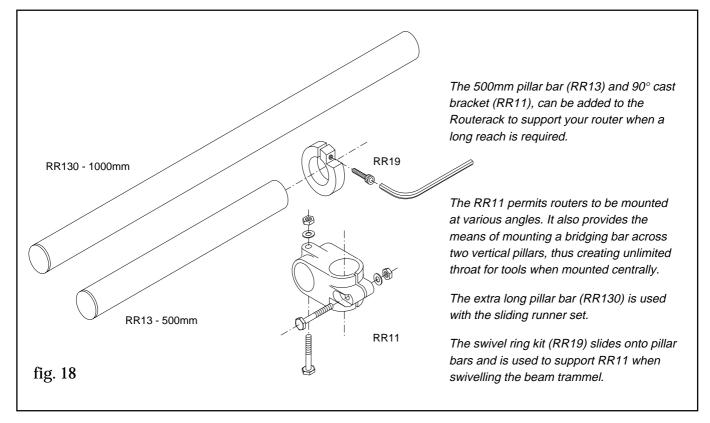


# **OPTIONAL ACCESSORIES**

## No Volt-Release Switch - E35146 & E35147



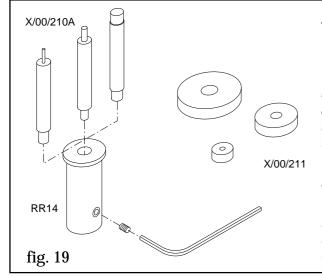
# Long Pillar Bars - RR13 & RR130, $90^{\circ}$ Cast Bracket - RR11 & Swivel Ring Kit RR19





# **OPTIONAL ACCESSORIES - cont.**

# **Guide Pin and Bush Sets**



#### Assembly Instructions

The guide pin table socket (RR14) includes a standard pin 2mm/6mm. The socket is fitted into the workboard beneath the collet of the router. The workboard must be drilled with a 25mm diameter hole. The hole must be rebated to accept the flange of the socket. Please ensure that access to the set screw is maintained when fitting. The copy pin is fitted into the socket and secured at the suitable height by tightening the set screw with the allen key supplied.

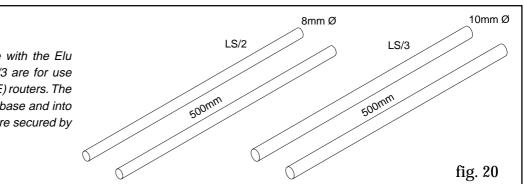
The guide pin set (X/00/210A) allows a greater variety of copy pin sizes. The pins are fitted into the socket as previously described.

The guide bush set (X/00/211) have varying diameters and allow larger diameter cutters to be used for copy pin work. The cutter diameter should equal the bush diameter. The bushes fit onto the 6mm copy pin supplied with the RR14 socket.

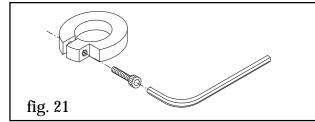
### Fence Rods - LS/2 and LS/3

#### Assembly Instructions

The LS/2 rods are for use with the Elu MOF 96(E) router and LS/3 are for use with the Elu MOF 131, 177(E) routers. The rods go through the router base and into the RR3 plates. The rods are secured by RR4 knobs.



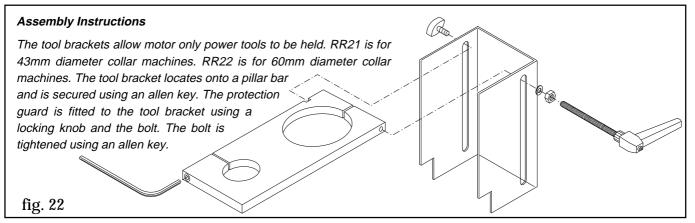
# Swivel Ring Kit - RR19



#### Assembly Instructions

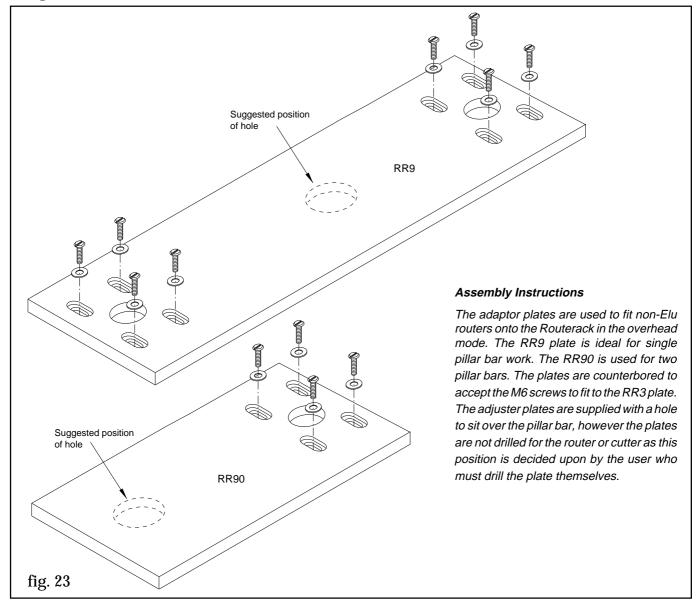
Ring slides onto routerack pillar bars. The ring is secured into position by tightening the allen key supplied. Please do not overtighten. The swivel ring kit is used in conjunction with the RR11 90° cast bracket.

# Tool Brackets - RR21 & RR22, Protection Guard - RR23

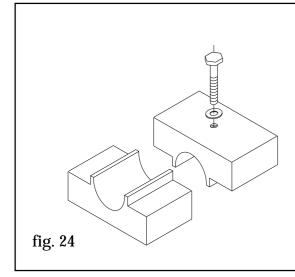




#### **Adaptor Plates - RR9 and RR90**



# Sliding Runner Set - RR24



#### Assembly Instructions

The sliding runner set comprises two pairs of special nylon sliding saddles which run along a pair of one metre long bars which are purchased separately, ref. RR130 (for one bar). The RR130 bars are secured to a workboard using the RR0 clamping bracket, two pairs are required or a second set of RR24 can be used. The sliding saddles open up new avenues for cross cutting and machining operations and are very quick and simple to set up for each project. End users can make their own carriage using a suitable material such as MDF, with the nylon saddles bolted to the underside. M8 holes are located centrally in each nylon saddle. The set comprises four nylon saddles, each recessed so as to slide onto 38.1mm diameter pillar bars. Each saddle has an M8 threaded hole for mounting, M8 bolts are not supplied.

NB. If sliding saddles are tight on pillar, either (a) turn pillars around slightly or (b) lay fine emery paper around pillar and lay slider on top. Gently move slider over emery paper a few times to mate together.



