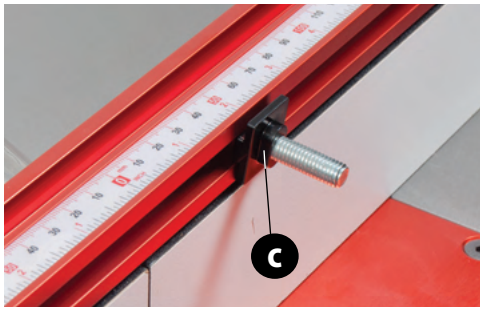
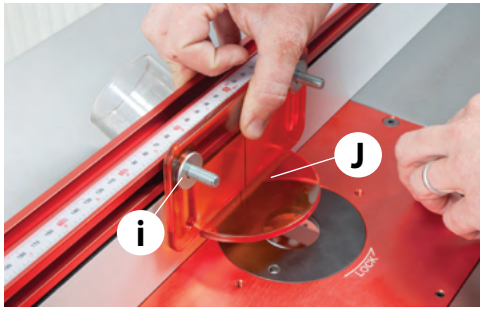


Step 11 Mount the dust shield (J) through the 'T' bolts (d), place a flat washer (i) over the bolts and secure using two locking knobs (b), see figs 44-45.

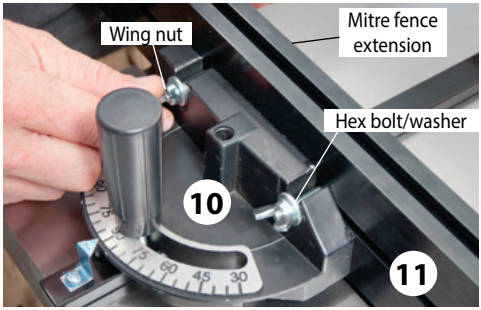
Fig 44-45

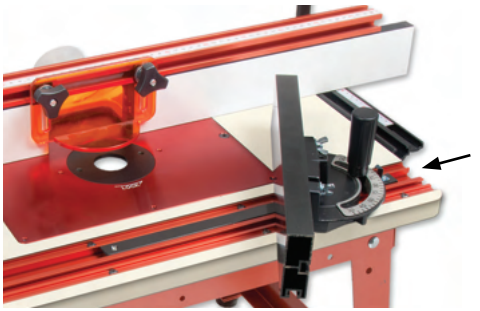


Mitre Fence Assembly

Step 1 Locate the mitre fence(10) and extension (11), Note: the bag of fixings will be tucked inside the extension assembly. Slide the two Hex bolts into the extension 'T' slot. Insert the Hex bolt down into the machined slots in the mitre fence and secure the assembly with the two wing nuts, see fig 46. **DO NOT OVERTIGHTEN!**

Fig 46-47





Tool Storage Holders

To store your tools when not in use, place the mitre fence assembly into the mitre fence bracket (1), hook the insert plate spanner over one of the two Phillips screw hangers and Insert the shaft of the winding handle from UJK router elevator, (code 502701) through the pre-drilled hole in the tool bracket (2), see fig 48.

Fig 48

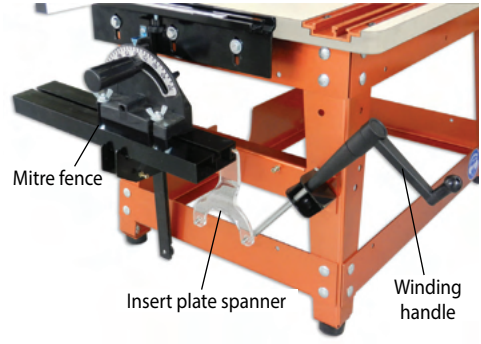
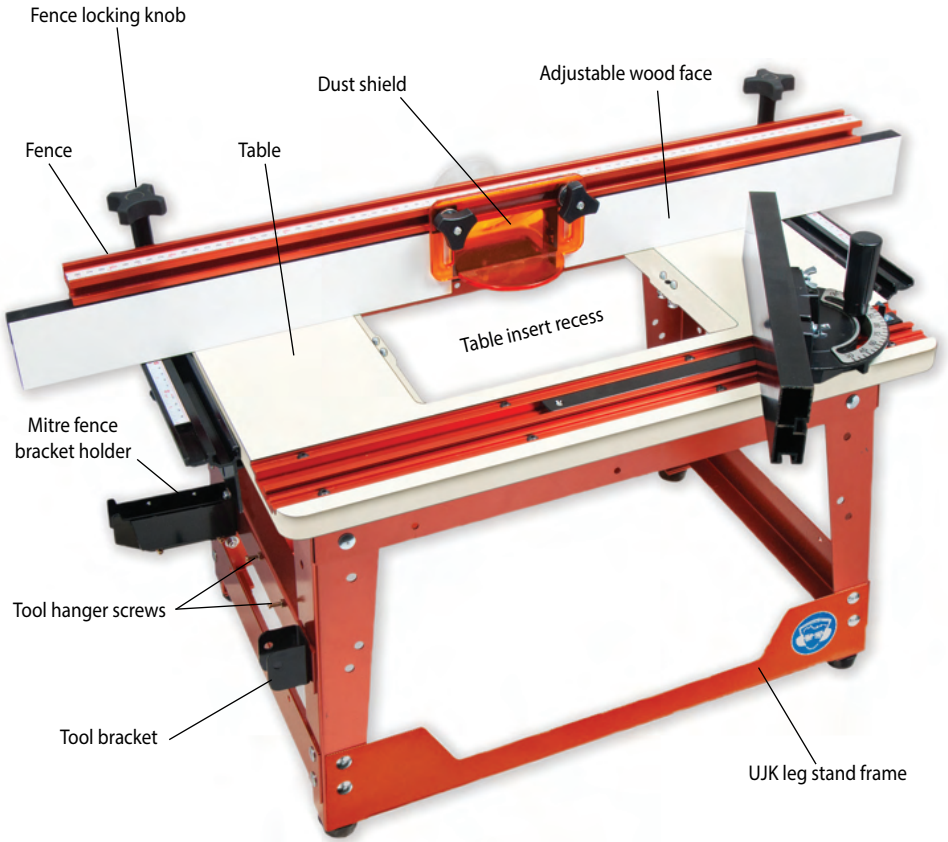
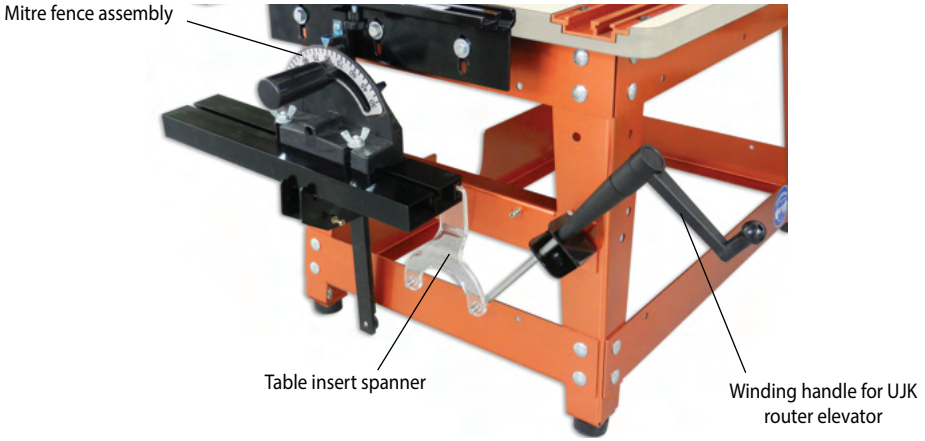
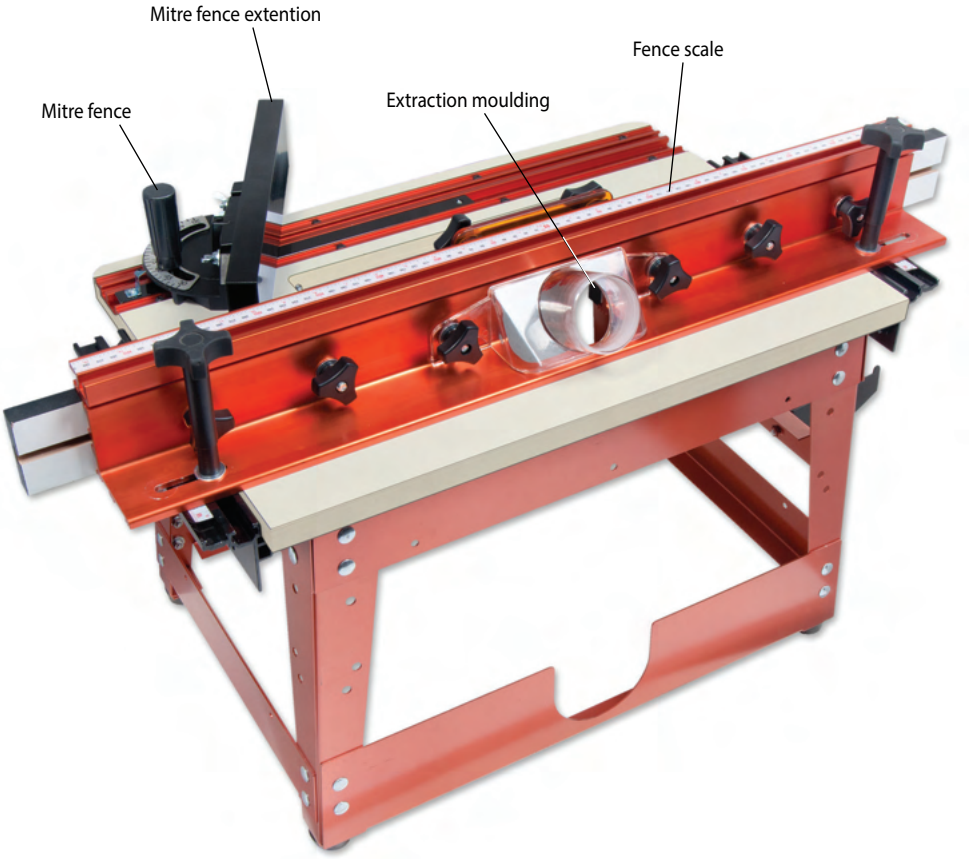


ILLUSTRATION & PARTS DESCRIPTION







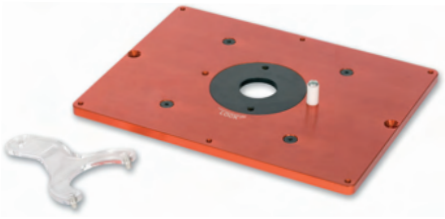
UJK router table with optional dust extraction box attached

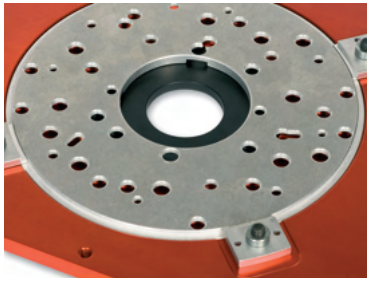
10mm Aluminium Router Table Insert with Universal Base Plate

(Code 502748)

The information below is reproduced from the UJK universal base plate fitting instructions. Hole numbers, screw types and how many required are given for mounting different router models to the base plate.

For advice on models suitable for fitting to the router elevator please call our technical sales team on 03332 406406





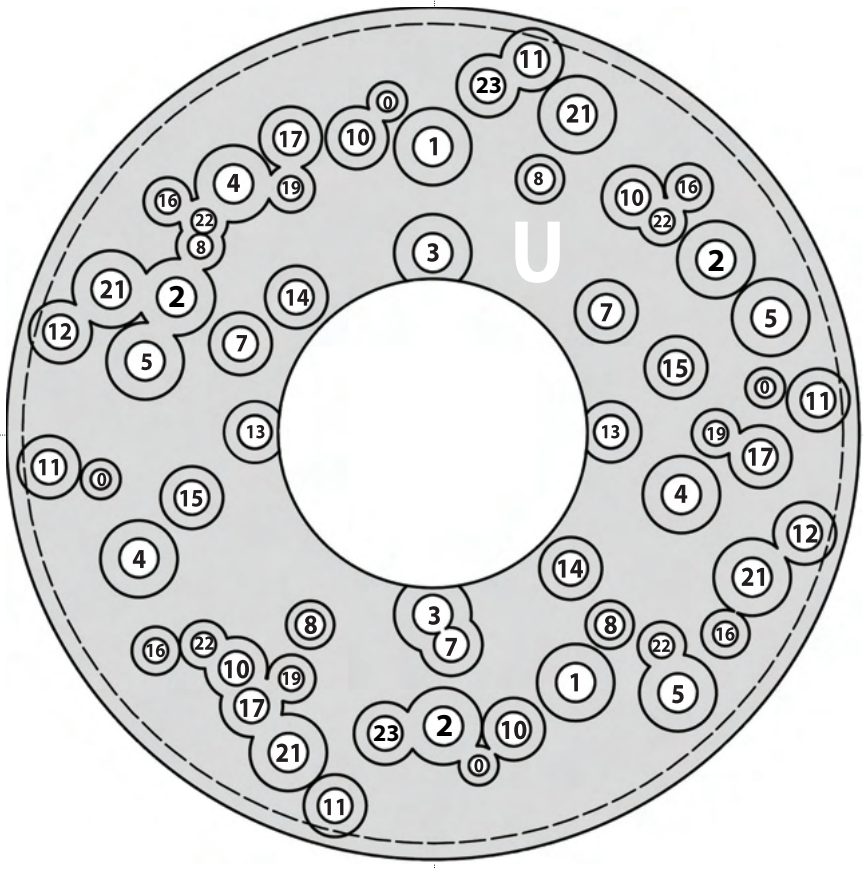
✹	**New switch regulations means NVR Switch cannot be used!**
▲	**Handles may need to be removed!**

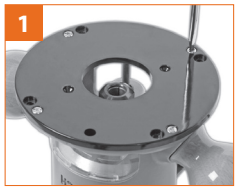
ROUTER CHART

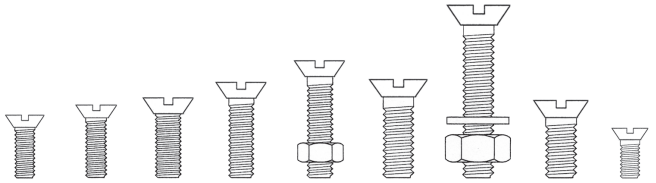
BOSCH	GOF1600,1700ACE POF52,	1	Fx2
	400,500A,600ACE	3	Fx2
	POF800ACE.GOF900A <2003	4	Gx3
	GOF1300ACE,900A>2003	5	Gx3
	GMF1400	0	Ix4
	GMF1600CE	19	Ix3
CMT	CMT1E,CMT2E	1	Fx2
DEWALT	DW613,614,615,620,621, DW625EK.629, DW625EK ▲ DW625KT ▲✹	1	Fx2
DRAPER	R1900V	2	Fx3
	PT1200V	1	Fx3
ELU	OF97(E),MOF177(E),131,98, MOF77,96(E) MK2,69'	1	Fx2
FELISATTI	R346EC	1	Ex2
FESTOOL	OF2000(E)	7	Ex3
	OF1E,900(E),1000(E), OF1010	8	Bx4 & Ax3
	OF1400 EBQ-Plus	23	Hx2
FREUD	FT1000(E),2000E	2	Fx3

HITACHI	M8(V) ▲	10	Dx4
	M12V,M12SA	11	Dx4
	TR12	11-12	Dx4
HIKOKI	M12VE		
MAFELL	L050E	8	Bx4
MAKITA	3620,3612BR,3600B	13	Dx2
	3612(C) ▲✹	14	Ex2
	RP0910, RP1110C, RP1111C ▲✹	1	Fx2
	RP2301FC, RP230FC	22	Bx4
PRO	CLM1250R>11/03,CLM2050R	1	Fx2
PERLES	OF808(E)>1999',2-808(E), OF9(E)	1	Hx2
PEUGEOT	DEF570E.DF55E	15	Ex2
RYOBI	RE600N,R600N,RE601, ERT1500V	13	Dx2
	R500,502	16	Ax4
	R150,151,RE120,155K	15	Ex2
SKIL	1835U.1875U1	17	Cx3
TREND	T3,T4,T5,T5MK2', T9,T10,T11, T7EK	1 10	Hx2 Ax2
TRITON	MOF001, TRA001	21 2 5	1/4" UNC 6.35mm
WADKIN	R500	16	Ax4

MOUNTING THE ROUTER TO THE UNIVERSAL BASE PLATE







A	B	C	D	E	F	G	H	I
M4x10mm	M4x12mm	UNF10 x1/2"	M5x16mm	M5x20mm	M6x16mm	M6x30mm	M6x12mm	M4x6mm

MOUNTING THE ROUTER TO THE 10MM TABLE INSERTS

• 10mm Aluminium Table Insert
(Code 105932)

• 10mm Phenolic Insert
(Code 502747)

What's Included

1 No	Insert Plate	**A**
1 No	Insert Plate Template	**B**
2 No	Table Fixing Screws	**C**
1 No	Table inset Spanner	
1 No	4mm, 3mm Hex Keys	
6 No	Grub Screws	
1 No	Template Pin	

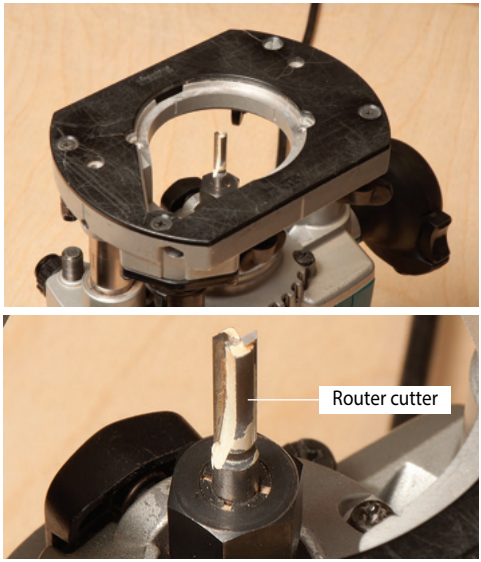
Marking & Positioning

NOTE: You will notice the 6mm Aluminium or 10mm Phenolic insert plates will not have any mounting holes for a router. This is because there are so many routers on the market, each having different hole locations.

NOTE: Remember to orientate the router so that the handles will clear the recess and the height adjustment is in easy reach.

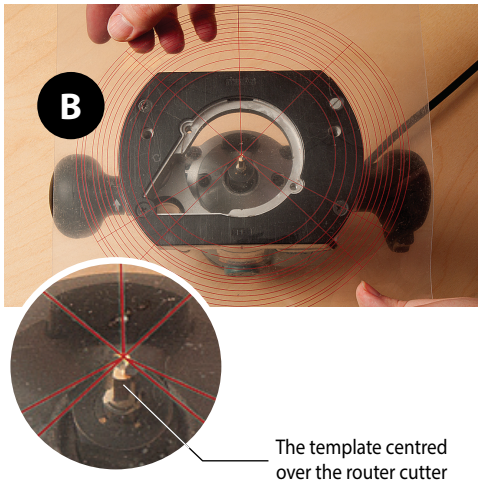
Step 1 Turn over your router, place a small diameter cutter into the collet, see fig 1, this is to act as a guide for lining up the template (B).

Fig 01



Step 2 Place the template (B) on top of the router, line up the concentric circle ridges with the router base plate and the centre of the template with the centre of the cutter, see fig 02.

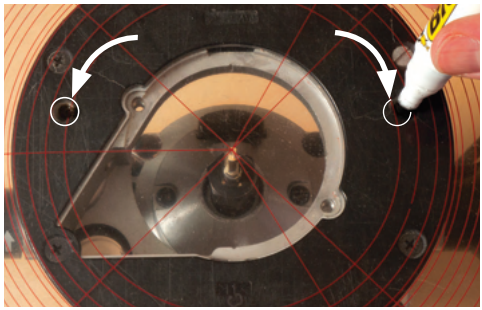
Fig 02



Step 3 Using a marker pen, mark the position of the threaded holes on the base of the router, see fig 3

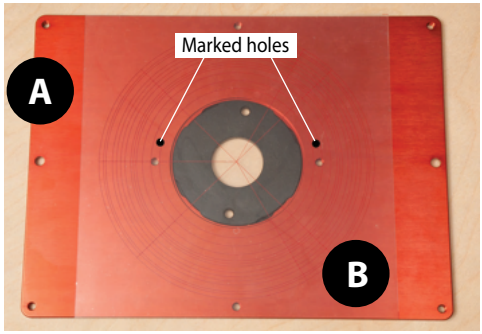
NOTE: THIS MAY VERY DEPENDING ON ROUTER MODEL

Fig 03



Step 4 Turn over the insert plate (A) (with the logo face down), place the template (B) on top of the insert plate and centre the template as shown, see fig 4

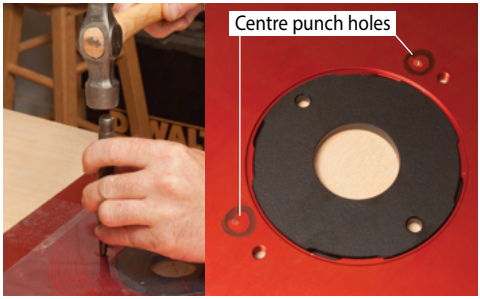
Fig 04



Step 5 Secure the template (B) in position using Sellotape, see fig 05. Using a centre punch mark the position of the holes on the insert plate (A), see fig 06. Remove the emplate and place safely aside.

NOTE: ITS IS GOOD PRACTISE TO CENTRE PUNCH THE POSITION BEFORE DRILLING AS THIS WILL GUIDE THE DRILL!

Fig 05-06



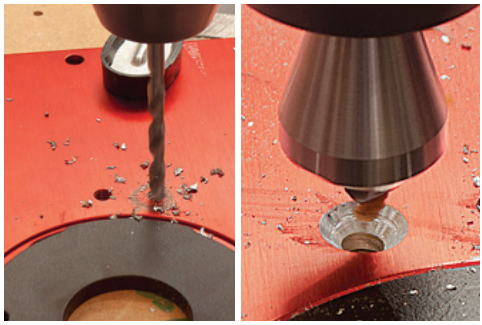
NOTE: TO MAKE SURE THE HOLES ARE ACCURATE WE RECOMMEND YOU USE A DRILL PRESS!

WARNING! MAKE SURE THE INSERT PLATE IS SECURELY CLAMPED DOWN TO THE DRILL TABLE!

REMEMBER THAT THE COUNTER-SINK MUST BE DEEP ENOUGH FOR THE SCREW HEAD TO BE FLUSH OR SLIGHTLY SUB-SURFACE, SO THAT THE TIMBER IS NOT IMPEDED WHEN IT IS MOVED OVER THE SURFACE.

Continues Over...

Fig 07-08



Step 7 Fix the insert plate (A) to the router (screws not provided). Lightly tighten each fixing screw, evenly working down each screw till secure, see figs 09-10.

Fig 09

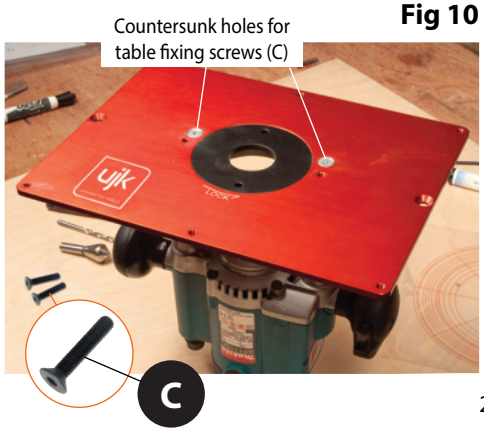


Fig 10

Connecting a Dust Extractor

BEFORE ROUTING CONNECT THE MACHINE TO A DUST EXTRACTION SYSTEM. ALWAYS TURN ON THE DUST EXTRACTOR BEFORE STARTING THE ROUTER AND ALWAYS STOP THE ROUTER BEFORE TURNING OFF THE DUST EXTRACTOR.

There is a 62mm dust outlet on the rear of the fence assembly allowing for the connection of a dust extractor **(not included)**.

Be sure to use an appropriate size hose and fittings and check that all connections are sealed tightly to minimize airborne dust.

MAKE SURE TO READ, AND FOLLOW ALL OPERATING INSTRUCTIONS AND SAFETY GUIDELINES THAT CAME WITH YOUR ROUTER FAILURE TO DO SO MAY LEAD TO SERIOUS INJURY AND/OR DAMAGE TO THE ROUTER, ROUTER TABLE, OR WORKPIECE.

- Install the required bit in your router according to the instructions supplied with your router.
- Make sure that the router is firmly attached to the table insert and that the plate is properly fitted and level in the table opening (see pages 16-17), fitting table insert.
- The router table should be installed on a flat, sturdy, and stable surface.
- When jointing, groove cutting, and/or profile cutting always perform a test cut on a scrap piece of wood before cutting your final piece.

History

The cutters that are used with a router have developed over the last 35 years to allow a variety of tasks to be obtainable with the use of a hand held power tool. These developments have improved the work finish and more importantly, the safety of the operator.

(HSS) High Speed Cutters

High speed steel cutters (HSS) are ground out of a solid piece of high speed steel. These are cheaper to produce than TCT cutters, which is reflected in the price of the item. These can be ground to a fine edge as the material is not as hard as TCT but it does not hold the cutting edge as well. Due to the angle of the rake, they are more prone to kick back or snatching. They are suitable for use with non abrasive natural timbers and PVC.

(TCT) Tungsten Carbide Tipped Cutters

TCT (Tungsten Carbide Tipped) cutters have the main body and shank machined from high grade steel but have tungsten carbide tips brazed into each flute. This set up gives alround benefits. The reduced rake angle helps to reduce kickback and snatching. The TCT cannot be honed to such a sharp edge as HSS but will last a lot longer than HSS cutters. The better quality cutters have a thicker section of carbide. The best carbide cutters are produced with micro granular grades of tungsten. The outer edge of the blade will be polished and shiny (diamond sharpened) not dull and serrated. Tungsten Carbide is extremely brittle and prone to chipping if knocked or dropped; this is why it is important to store your cutters carefully. Tungsten Carbide is suitable for all round use including; natural timbers, manufactured boards, plywood, chipboard, MDF, glass reinforced plastics, acrylics and hard plastic like Corain.

(STC) Solid Tungsten Carbide Cutters

STC (Solid Tungsten Carbide) cutters are ground from a solid section of tungsten carbide. These provide the best durability when used a under stress load operation. Smaller diameter cutters are ground from this as it is impossible to insert a TCT in smaller sections. Solid Tungsten Carbide is also better for operations where deep plunge cuts are required, e.g. cutting mortise slots. These cutters have a spiral section ground into the cutter face to remove the waste mater.

Arbour Mounted Cutters

Arbour mounted cutters have a parallel shank (1/4" or 1/2") and a machine thread at the bottom. Interchangeable cutters called "slot cutters" can be fixed onto these. The use of shims, spacers, washers and a locking nut fix hold the slot cutters on the cutter. It is possible to mount more than one disc on these at a time. Care needs to be taken when mounting the slot cutters as it is very easy to mount these upside down. A good reference is viewing the standard router cutter.

Pin & Bearing Guided Cutters

Within this range of cutters, there are a few that will be classed as self guiding. These are;

- Pin Guided - these have a machined pin on the bottom of the cutter body. They are cheaper to produce and need extra care as it is possible to friction burn the work piece using these.

- Bearing Guided - these have a ball bearing guide that can be top or bottom mounted. The bearing is designed to follow a template or run on the work piece itself. Different sized bearings can also be fitted on some cutters to increase or decrease the maximum depth of cut. Less friction is created so the work piece will not be burnt. The bearings to wear out but can easily be replaced.

Shanks and Cutter Length

1/2" shank cutters are inherently stronger which means they are less likely to bend or snap than the small 1/4" shank. Certain cutters can only be purchased on 1/2" shank (door set and worktop cutters). This strength allows for cutters of a larger diameter and longer length as appose to the 1/4" shank.

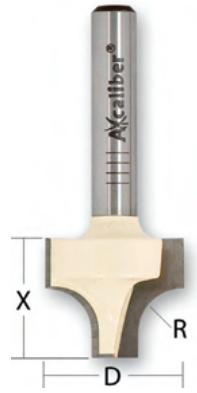
It is very important with both 1/4" and 1/2" shanks to feed the cut using a mixture of plunge depth and cutter shank. This will reduce the damage to cutters and the wear on the router bearings. Try to take more than one pass, this will allow for a better finish and reduce damage to the router and the cutters (1/4" is more likely to bend with a heavy cut). As a general guide a 1/4" (6.35mm) cuter should take less than half of this measurement as its cut i.e. 3mm.

This rule is very difficult to enforce as some cuts will combine, using the total diameter and a side cut. So what do we class as 3mm? The major factor being the material density which will affect how much material can safely be removed.

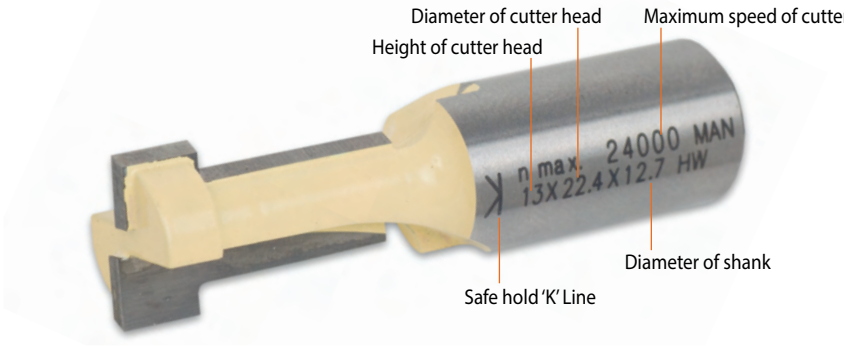
Modern cutters have to have a safe hold (K) line and a maximum running speed engraved upon the shank as a general guide. 2/3 of the cutter shank should be held in the collet. As for speed, the noise of the router will give you a guide.

The speed of the cutter will vary with materials but it is important to vary the speed feed of the operator moving the router over the work piece or the speed in which they pass the work through the cutter set up on a table. Give the cutter time to remove the stock to achieve a clean finish.

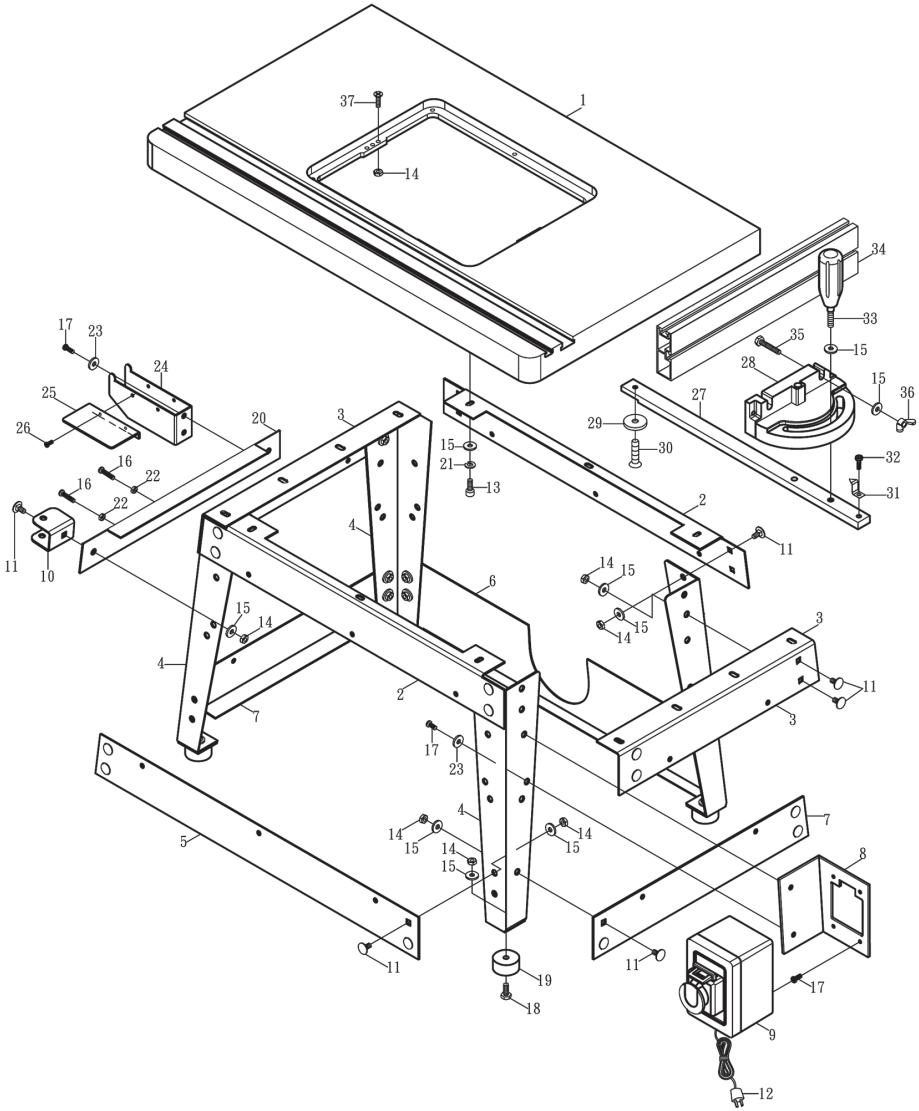
1/4" Router Cutter



1/2" Router Cutter



Router Table & Stand Assembly(E Type)

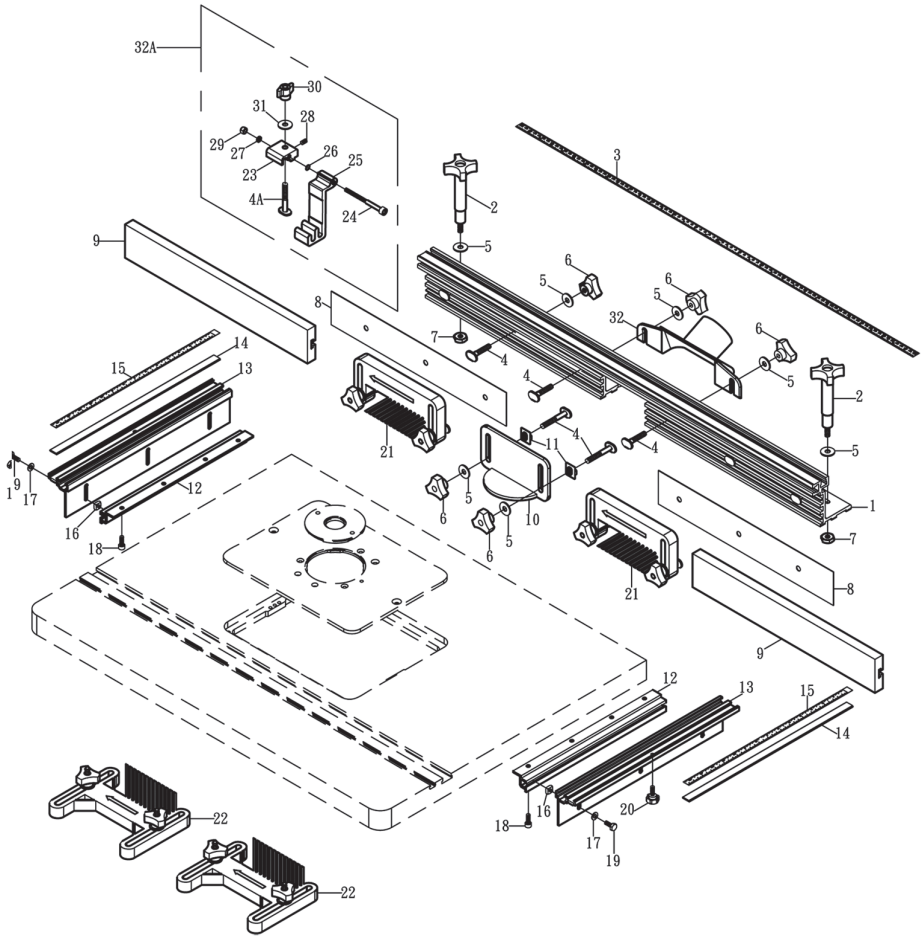


EXPLODED DIAGRAM/PARTS LIST

Router Table & Stand Assembly (E Type)				
Index No	**Part No**	**Description**	**Size**	**Qty**
1	2716E014	Router Table	(686mm×407mm)	1
2	27160015	Stand Cross Relief		2
3	27160016	Stand Side Support		2
4	27160017	Stand Leg		4
5	27160018	Stand Tie Bar (Front		1
6	27160018A	Stand Tie Bar (Rear		1
7	27160019	Stand Tie Bar (L&R		2
8	27160022	Switch Base (OPTIONAL)		1
9	S3224002	Switch Box (OPTIONAL)		1
10	27160020	Handle Bracket		1
11	909M06012	Carriage Bolt	M6×12	34
12	L3224001	Power Cord (OPTIONAL)	1.5 mm^2×3C	1
14	910M06000	Hex Nut	M6	48
15	914M061602	Flat Washer	M6	41
16	906M04020	Round Head Screw	M4×20	2
17	906M05008	Round Head Screw	M5×08	8
18	904M06020	Hex Cap Bolt	M6×20	4
19	30100016	Rubber Foot		4
20	27160021	Tool Storage		1
22	910M05000	Hex Nut	M4	2
23	914M051201	Flat Washer	M5	4
24	10400109	Fence Hook		1
25	32240056	Hook Extension Plate		1
26	906M04005	Round Head Screw	M4×5	2
27	22100118	Guide Bar		1
28	22100119	Miter Gauge Body		1
29	10100206	Guide Washer		1
30	905M06008	Flat Head Screw	M6×8	1

31	22100120	Pointer		1
32	906316014	Round Head Screw	3/16″×1/4″	1
33	938014025	Lock Knob	1/4″×25	1
34	32240057	Miter Fence		1
35	904M06030	Hex Cap Bolt	M6×30	2
36	913M06000	Butterfly Nut	M6	2
37	905M06020	Flat Head Screw	M6×20	10

Router Table Fence Assembly



Continues Over...

Router Table Fence Assembly

Index No	Part No	Description	Size	Qty
1	32240032	Router Table Fence	905mm	1
	27160032	Router Table Fence	778mm	1
2	60100001A	Lock Handle	5/16"	2
3	T3224002	Scale	905mm	1
	T2716002	Scale	778mm	1
4	32240033	T-Bolt		8
5	9145162302	Flat Washer	M8	10
6	939M08000B	Lock Knob	M8	8
7	32240034	Lock Nut	M8	2
8	32240035	Shim For Sub Fence (Optional)	401mm	2
	32240035	Shim For Sub Fence (Optional)	338mm	2
9	32240036	Router Table Fence Faces	451mm	2
	27160036	Router Table Fence Faces	388mm	2
10	32240037	Safety Guard		1
11	32240038	Fence Spacer		2
12	32240039	Side Bracket Base	320mm	2
	27160039	Side Bracket Base	240mm	2
13	32240040	Side Bracket	375mm	2
	27160040	Side Bracket	280mm	2
14	32240041	Rule Plate	300mm	2

	27160041	Rule Plate	205mm	2
15	T3224003	Scale	300mm	2
	T2716003	Scale	205mm	2
16	935014000	Square Nut	1/4″	6
17	9140141602	Flat Washer	M6	6
18	901M06012	Hex Socket Cap Screw 3224	M6×12	8
	901M06012	Hex Socket Cap Screw 2716	M6×12	6
19	904014058	Hex Bolt	1/4″×5/8″	6
20	940M06012	Lock Knob	M6×12	2
21	32240042	Fence Feather board	(Optional)	2
22	32240043	Table Feather board	(Optional)	2
23	32240044	Clamping Bracket	(Optional)	1
24	32240045	Hex Socket Cap Screw (Optional)	M6×75	1
25	32240046	Clamping	(Optional)	1
26	32240047	Flat Washer	(Optional)	1
27	32240048	Flat Washer	(Optional)	1
28	908M06016	Set Screw	(Optional) M6×16	1
29	912M06000	Nylon Nut	(Optional) M6	1
30	939M08000C	Lock Knob	(Optional) M8	1
31	9145161802	Flat Washer	(Optional) M8	1
32	32240013	Dust Port		1
32A	32240043A	Flip Stop Assembly	(Optional	1

Only for EU countries

Do not dispose of electric tools together with household waste material. In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local recycling centre and place into the appropriate recycling bin.

UJK, Weycroft Avenue, Axminster, Devon EX13 5PH

ujktools.com