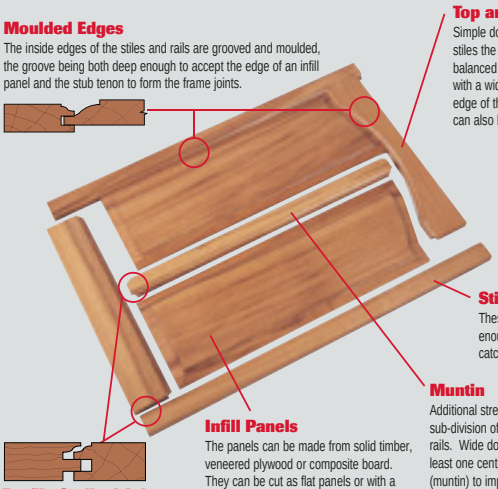
Frame & Panel Door Construction

Panelled door frames are made up of two vertical stiles and two horizontal rails. The inside edge of the stiles and rails are grooved to take the panel edge and the rail end tenon.



Moulded Edges
The inside edges of the stiles and rails are grooved and moulded, the groove being both deep enough to accept the edge of an infill panel and the stub tenon to form the frame joints.

Top and Bottom Rails
Simple doors have frame rails and stiles the same width, but a more balanced appearance is achieved with a wider bottom rail. The inside edge of the top and/or bottom rail can also be shaped.

Stiles
These must be strong enough to take the hinges, catch and handle.

Muntin
Additional strength is achieved with the sub-division of horizontal and vertical rails. Wide doors normally have at least one central vertical member (muntin) to improve their appearance, provide additional strength and reduce the panels to more manageable sizes.

Infill Panels
The panels can be made from solid timber, veneered plywood or composite board. They can be cut as flat panels or with a traditional raised central area (raised and fielded panels). The mould on the panel can vary from a plain bevel to a more elaborate decorative profile.

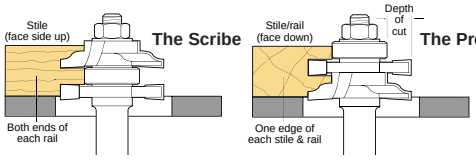
Profile Scribed Joint
The end of the rails are cut to form the joint tenon and scribed to match the decorative rail/stile edge moulding.

Assembly

Combination sets consist of an arbor, cutter block, groover and bearing, and are supplied assembled in the scribing mode. The order of these parts will need to be rearranged to convert the tool into the profiling mode. The cutter block and groover should always be assembled at 90° to each other to reduce the cutting impact of the tool. Spare shims are supplied with each set to provide adjustment for the tightness of the joint, this will be required if the tool has been re-sharpened. Full assembly instructions are provided with each set.

Cutting the Scribe

The timber of the rails or muntin should be cut square to length and mounted face up in a work-holder or mitre fence to ensure a safe and accurate cut. The back fence should be set level with the bearing guide to automatically give the correct depth of cut. A spelch block, fitted to the work-holder of the mitre fence will prevent break-out of the timber. Adjust the height of the set according to the thickness of the timber.



Cutting the Profile

Switch off the power to the router at the source. Leaving the tool set in the machine, re-assemble the components of the set into the profiling mode. With the sections to be machined face down, machine all profile edges.

Spare Parts

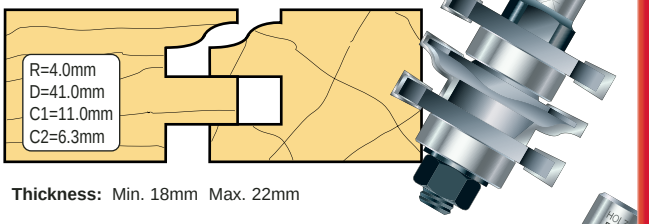
Profile blocks:		
for PSC/1 & 10	**SP-PSC/1A, 10A etc.**	£62.00
for PSC/106 & 107	**SP-PSC/106A & 107A**	£62.00
Scribe blocks:		
for PSC/106 & 107	**SP-PSC/106B & 107B**	£62.00
Groovers:		
for PSC/1, 3, 5, 101,102, 103	**SP-34/70TC**	£19.00
for PSC/2 & 4	**SP-34/71TC**	£19.00
for PSC/10, 30 & 50	**SP-34/72TC**	£19.00
for PSC/20 & 40	**SP-34/73TC**	£19.00
for PSC/106 & 107	**SP-34/73ATC**	£19.00
All bearings	**BB22**	£7.00
Arbors for PSC/1 to 50	**33/30 x 1/2"**	£5.50
	33/30 x 12mm	£5.50
	33/30 x 8mm	£5.50
	33/30 x 3/8"	£5.50
Arbors for PSC/101 to 103	**33/31 x 1/2"**	£11.00
Arbors for PSC/106 & 107	**33/32 x 1/2"**	£10.50
Spare spacer set	**SPACER/8**	£5.00

EASYSET™

All in one system for quick setting

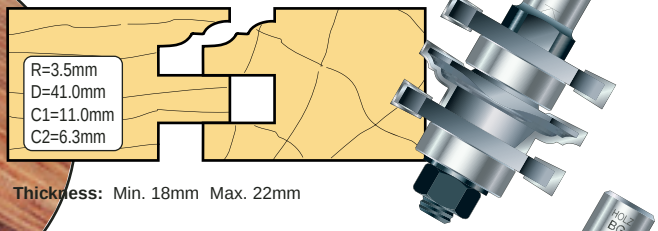
- These Profile Scribers produce the same type of joint and use the same components as the combination PSC sets.
- Both parts of the joint are cut, by only changing the cutter height.
- No re-assembly of parts is required, to convert the tool from scribing mode to profiling mode and vice-versa.
- Groovers can be re-sharpened and spare parts are available.

Classic Set
One piece
PSC/101x1/2TC **£104.50** INST



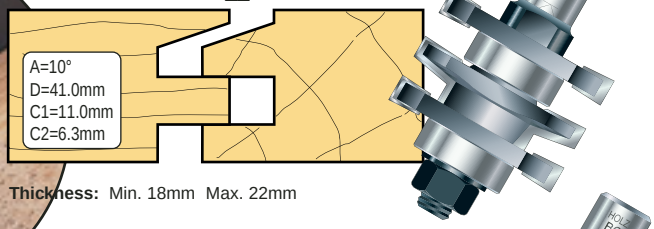
Thickness: Min. 18mm Max. 22mm

Flat Classic
One piece
PSC/103x1/2TC **£104.50** INST



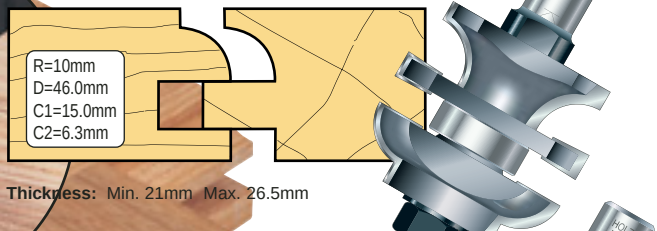
Thickness: Min. 18mm Max. 22mm

Raised Bevel
One piece
PSC/105x1/2TC **£104.50** INST



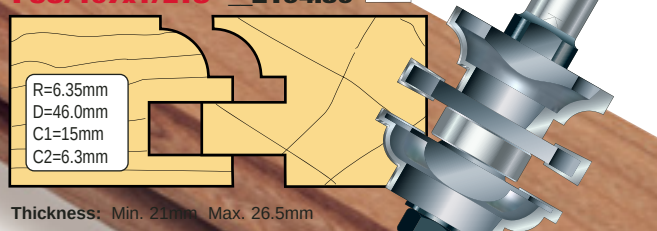
Thickness: Min. 18mm Max. 22mm

Ovolo
One piece
PSC/106x1/2TC **£104.50** INST



Thickness: Min. 21mm Max. 26.5mm

Ovolo
One piece
PSC/107x1/2TC **£104.50** INST



Thickness: Min. 21mm Max. 26.5mm

INST Instructions supplied.

All prices are exclusive of VAT