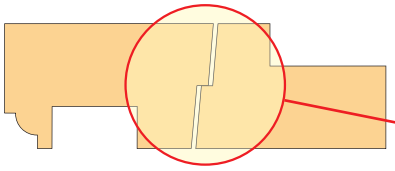
SLIDING BOX SASH OVOLO SPLAYED MEETING RAILS

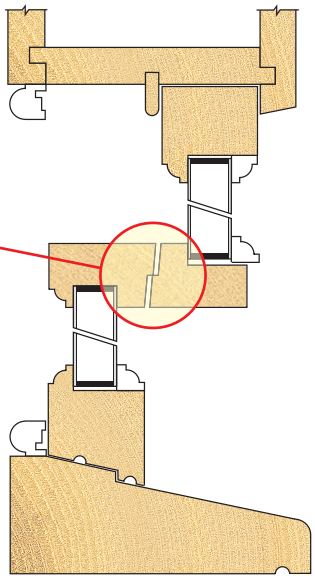
Additional tooling to manufacture Timber Sliding Box Sash windows with splayed rebates:

- Top sash rail and stiles 57mm x 57mm section. Meeting rail 67mm x 44mm section.
- Bottom sash stiles 57mm x 57mm section. Meeting rail 67mm x 44mm section. Bottom rail 69mm x 57mm section.
- Standard ovolo profile on sashes, alternative profiles are available. Please see page 41 - 43.
- Tooling will make both top and bottom sashes. Tools from the system can be used to produce the box (spindle moulder will need to be re-set).
- All sash joints are combed.

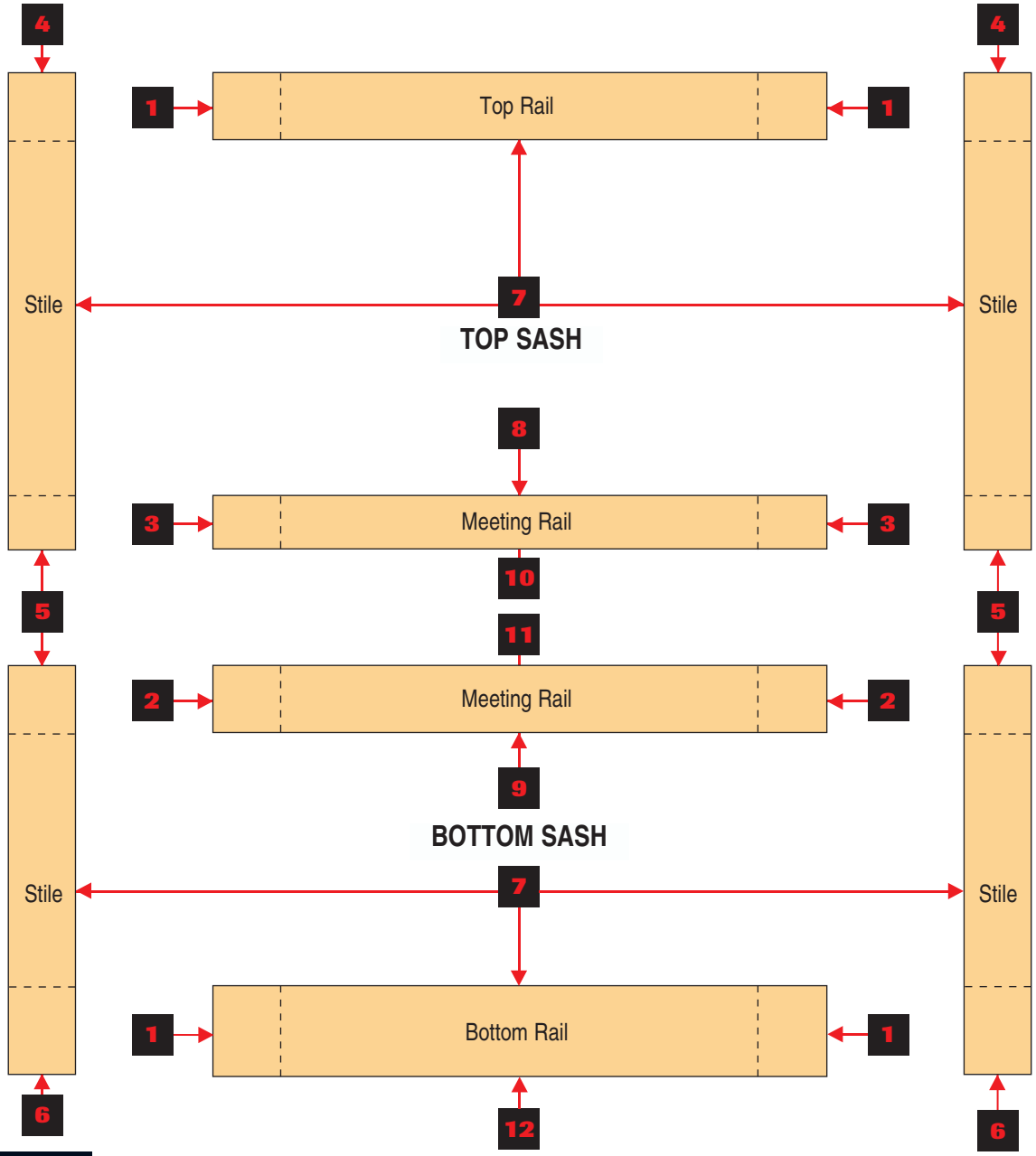
NEW **Optional Section for Splayed Meeting Rails**



- Will also produce single tenon for putting an optional horn on the top and bottom sashes (mortise hole required).
- Produces 15mm x 42mm rebates in the sashes.
- Separate sill block required to run sill section. See page 56.
- Routing jig also available for producing the slot in the sash for the trickle vent. See page 57.
- Routing jigs also available for producing the pulley wheels and weight pockets. See page 57.



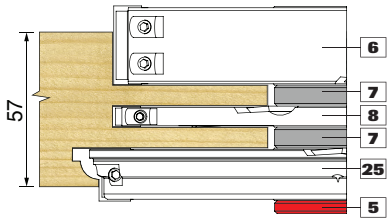
Machining Steps for Splayed Meeting Rail - Without Horns



Machining Steps for Splayed Meeting Rail – Without Horns

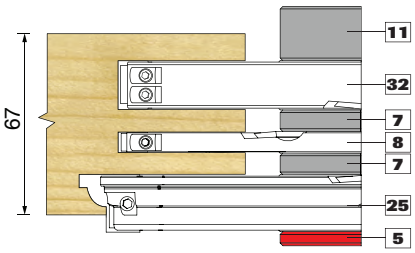
Step 1

Tenons for Top & Bottom Rails



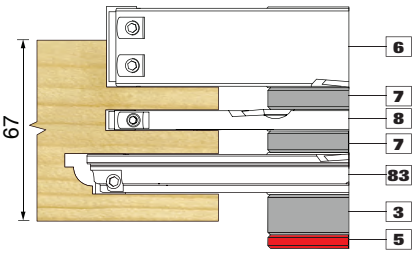
Step 2

Tenons for Meeting Rail Bottom Sash



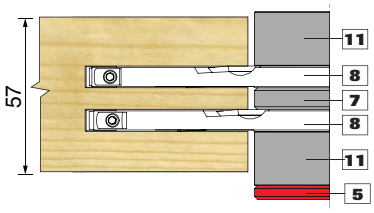
Step 3

Tenons for Meeting Rail Top Sash



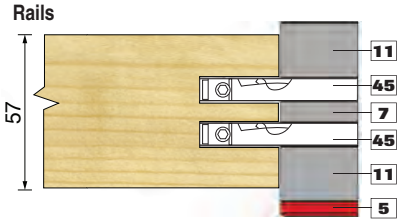
Step 4

Slots for Top Sash Stiles to Top Rails



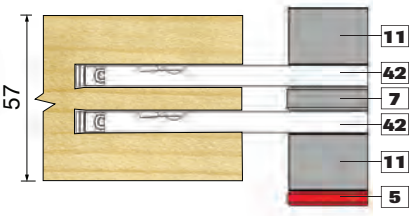
Step 5

Slots for Top & Bottom Sash Stiles to Meeting Rails



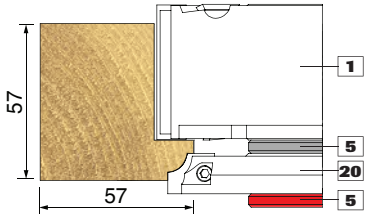
Step 6

Slots for Bottom Sash Stiles to Bottom Rail



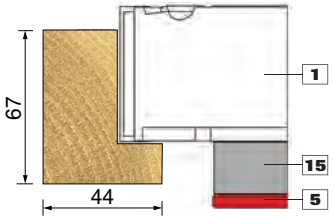
Step 7

Inner Sash Profile (apart from Meeting Rails)



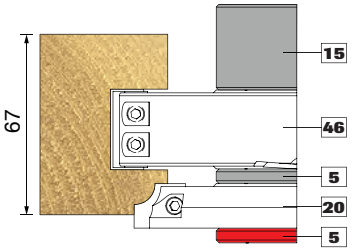
Step 8

Inner Sash Profile for Top Sash Meeting Rail



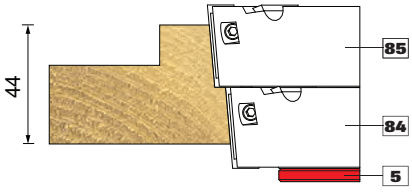
Step 9

Inner Sash Profile for Bottom Sash Meeting Rail



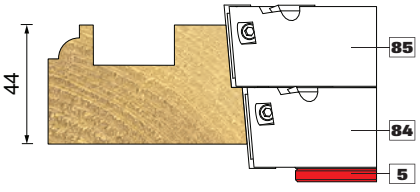
Step 10

Splayed Rebate for Top Sash Meeting Rail



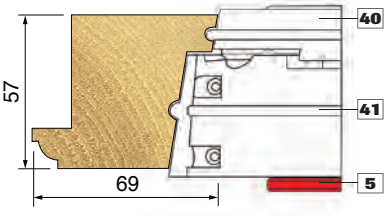
Step 11

Splayed Rebate for Bottom Sash Meeting Rail

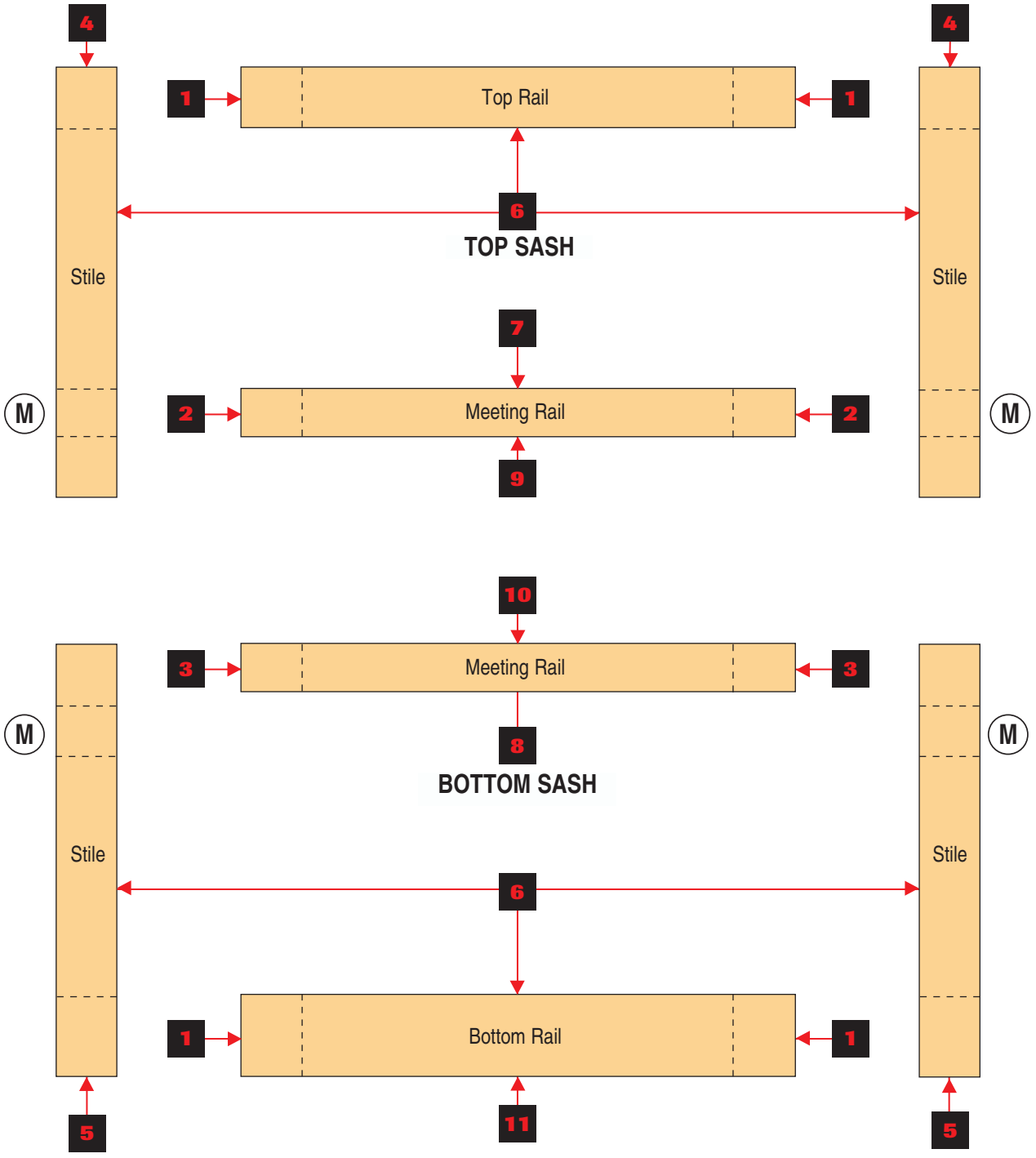


Step 12

Outer Sash Profile for Bottom Rail



Machining Steps for Splayed Meeting Rail – With Horns

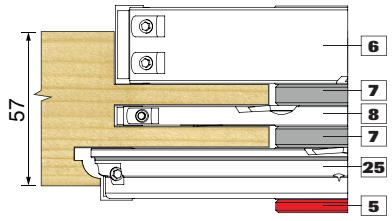


(M) Mortise Hole Required

Machining Steps for Splayed Meeting Rail – With Horns

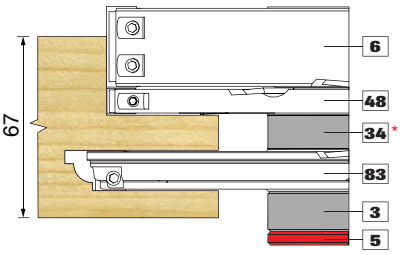
Step 1

Tenons for Top and Bottom Rails



Step 2

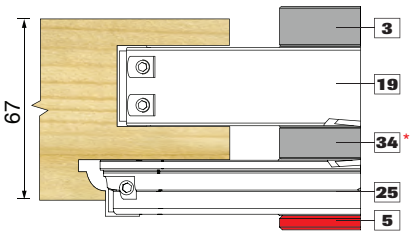
Tenons for Meeting Rail Top Sash



* Produces 12mm tenon

Step 3

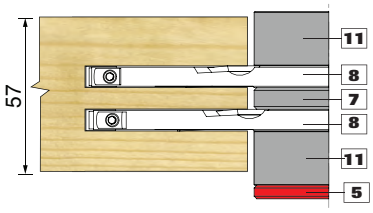
Tenons for Meeting Rail Bottom Sash



* Produces 12mm tenon

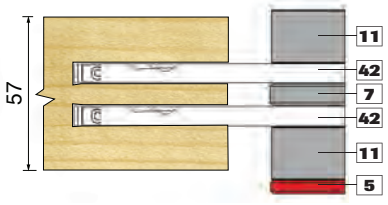
Step 4

Slots for Top Sash Stiles to Top Rails



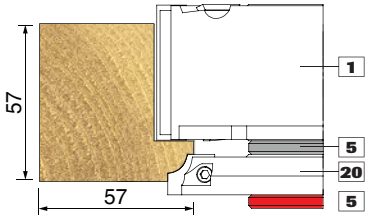
Step 5

Slots for Bottom Sash Stiles to Bottom Rail



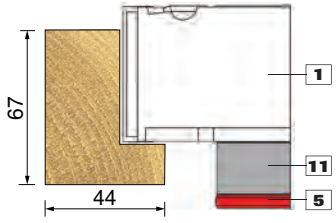
Step 6

Inner Sash Profile (apart from Meeting Rails)



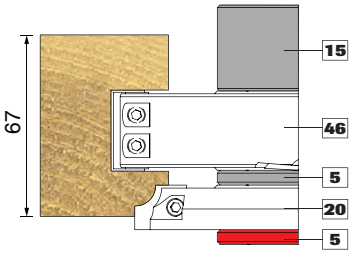
Step 7

Inner Sash Profile for Top Sash Meeting Rail



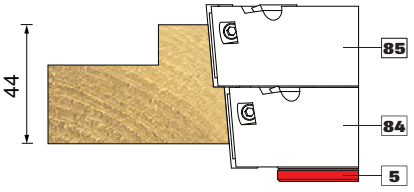
Step 8

Inner Sash Profile for Bottom Sash Meeting Rail



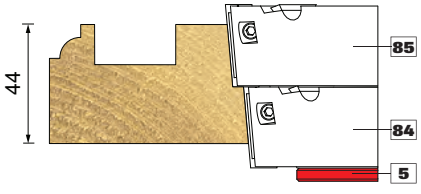
Step 9

Splayed Rebate for Top Sash Meeting Rail



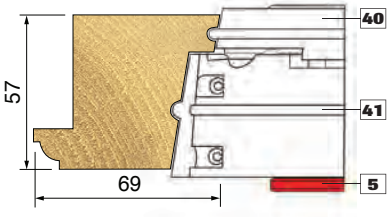
Step 10

Splayed Rebate for Bottom Sash Meeting Rail



Step 11

Outer Sash Profile for Bottom Rail



MACHINING STEPS FOR ALTERNATIVE PROFILE STYLES

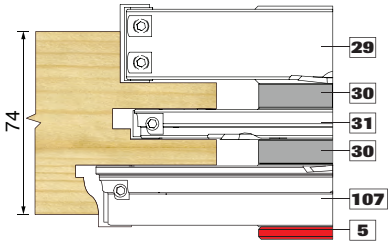
Profile styles shown actual size on page 41

High Performance Ovolo

Alternative steps to create wider outer frames. For profile styles G, H, J & K only.
See pages 10 - 14.

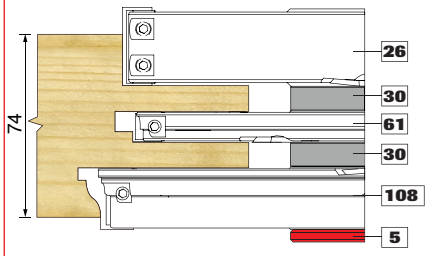
Step 1

Tenon Tools for Outer Frame Jambs for 74mm x 57mm Head and Sill.



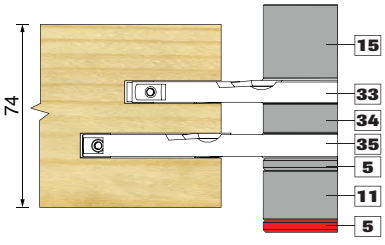
Alternative Step 1

Tenon Tools for Outer Frame Jambs for 74mm x 69mm Head and Sill.



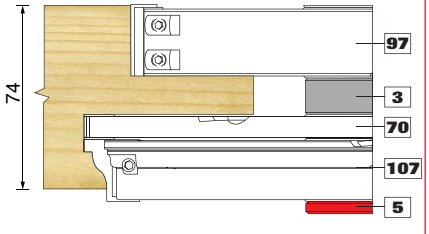
Step 2

Slot Tenons for Outer Frame Head and Sill.



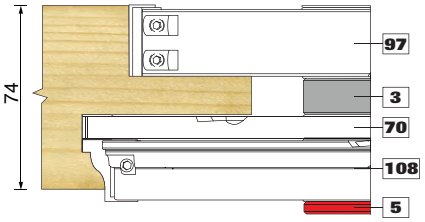
Step 3

Scribe and Tenon for Mullion and Transom to 74mm x 57mm Head, Sill and Jambs.



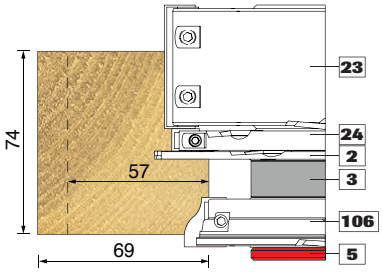
Alternative Step 3

Scribe and Tenon for Mullion to 74mm x 69mm Head and Sill.



Step 6

Outer Frame Profile

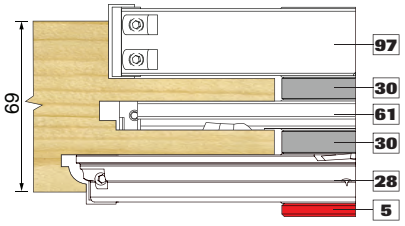


High Performance Ovolo

Alternative step to create 69mm x 69mm head and sill. See page 10.

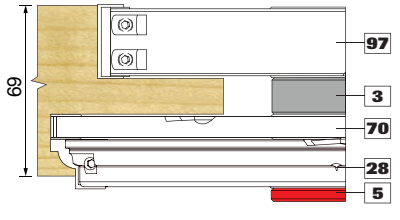
Step 1

Tenon Tools for Outer Frame Jambs to Sill & Head



Step 3A

Scribe & Tenon for Mullion to Sill & Head

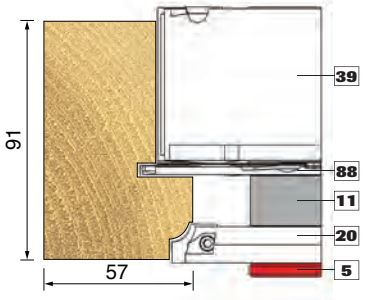


Traditional Flush Ovolo

Alternative step to produce 3mm gasket groove on the outer frame.
See pages 25 - 28.

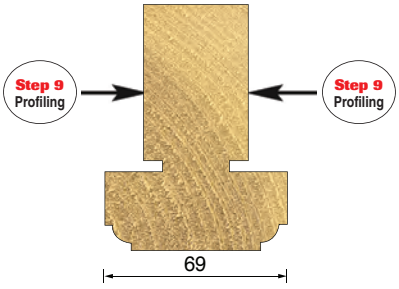
Step 9

Outer Frame for Head and Jambs only



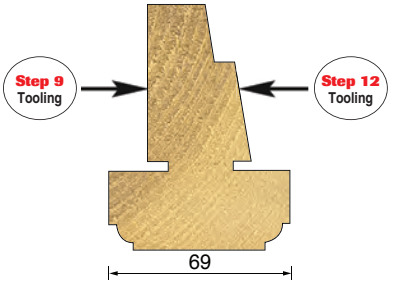
Step 10

Mullion Profiling only



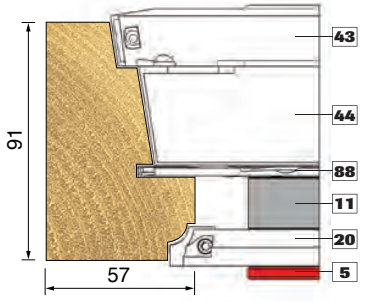
Step 11

Transom Profiling only



Step 12

Outer Frame for Sill only



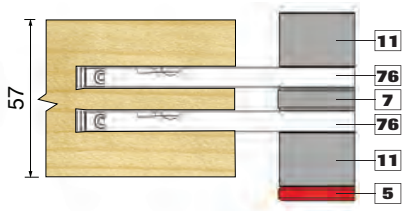
Traditional Flush

Alternative step to create 94mm bottom rail.

See page 27.

Step 8

Slots for Stiles to Bottom Rail only



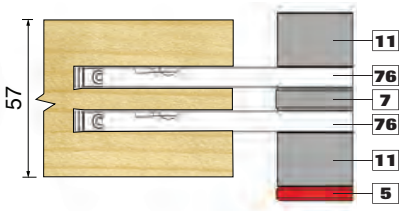
Storm Proof

Alternative step to create 94mm bottom rail.

See page 31.

Step 5A

Slots for Stiles to Bottom Rail only



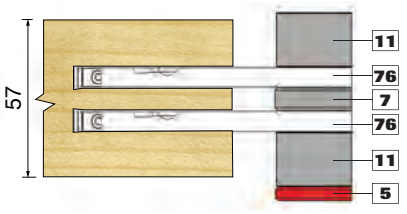
Sliding Box Sash

Alternative step to create 94mm bottom rail.

See page 34.

Step 4

Slots for Stiles to Bottom Rail only



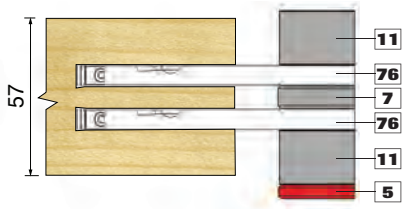
EJMA

Alternative step to create 94mm bottom rail.

See page 37.

Step 5A

Slots for Stiles to Bottom Rail only



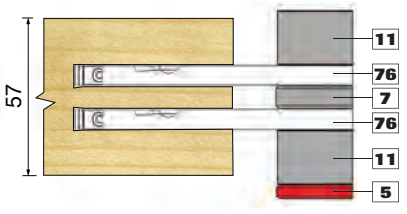
Full Splay

Alternative step to create 94mm bottom rail.

See page 40.

Step 5A

Slots for Stiles to Bottom Rail only



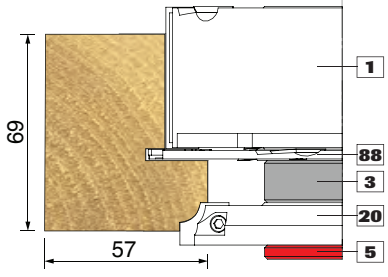
Storm Proof

Alternative step to produce a 3mm gasket groove on the outer frame.

See page 31.

Step 6

Outer Frame Profile



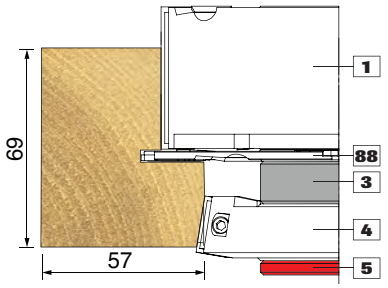
EJMA

Alternative step to produce a 3mm gasket groove on the outer frame.

See page 37.

Step 6

Outer Frame Profile



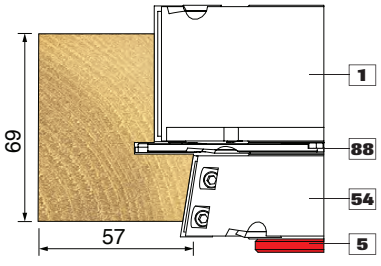
Full Splay

Alternative step to produce a 3mm gasket groove on the outer frame.

See page 40

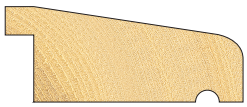
Step 6

Outer Frame Profile



WINDOW SILL TOOLING

Sub Sill

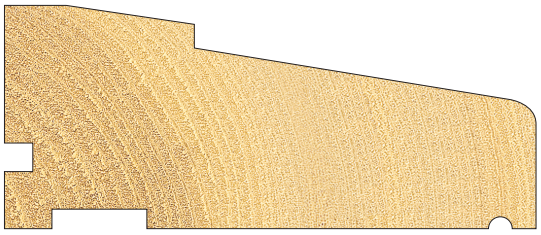


Three tools required:
1. Rebate Block No. 46 **Product Ref. IT/71054461(7).**
2. Sill Block **Product Ref. IT/7107081(7).**
3. Radius (capillary) Block R4, **Product Ref. IT/7210311(7).**

Plant on Sill

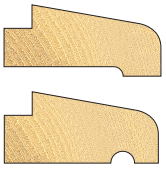
Three tools required:
1. Rebate Block No. 46 **Product Ref. IT/71054461(7).**
2. Sill Block **Product Ref. IT/7107081(7).**
3. Radius (capillary) Block R4, **Product Ref. IT/7210311(7).**

Sliding Box (SBXS) Window Sill



Four tools required:
1. Rebate Block No. 46 **Product Ref. IT/71054461(7).**
2. Sill Block **Product Ref. IT/7107081(7).**
3. Radius (capillary) Block R4, **Product Ref. IT/7210311(7).**
4. Grooving Block No. 48 (10mm - can be dependent on window board size). **Product Ref. IT/71054481(7).**

Window Head Drips



Three tools required:
1. Rebate Block No. 46 **Ref. IT/71054461(7).**
2. Sill Block **Product Ref. IT/7107081(7).**
3. Radius (capillary) Block R4 **Product Ref. IT/7210311(7).**

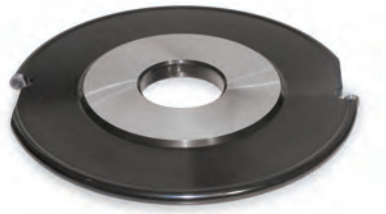
Door Frame Sill

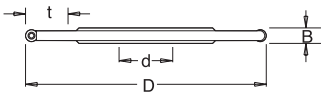
Four tools required:
1. Rebate Block No. 46 **Product Ref. IT/71054461(7).**
2. Sill Block **Product Ref. IT/7107081(7).**
3. Radius (capillary) Block R4 **Product Ref. IT/7210311(7).**
4. Grooving Block (dependent on type of threshold being used).

See below and pages 44 and 45 for prices.

Disposable Insert Radius Profile Cutter Blocks

Cutterhead bodies in steel, complete with disposable tungsten carbide knives. Suitable for producing various radii coves or rule joints in softwood, hardwood and man-made boards on a spindle moulder. All cutterheads can be used with a 120mm bearing for cutting uniform depth profiles.





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ØD	B	Product Ref.	Z	R	Ød	Max. t
128	8	IT/7210311	Z2	4	30	29
128	8	IT/7210317	Z2	4	1-1/4"	29

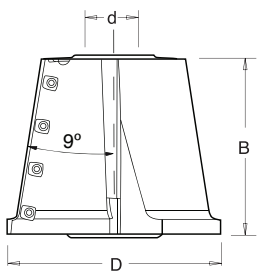
Spare Parts

Description	Product Ref.	Size
Knives	IT/3000402	R = 4
Torx® Screw	IT/1934250	M3x8
Torx Key®	IT/1941100	T9

Maximum Speed 10,600 RPM

Disposable Insert 9 Degree Sill Block

Hard wearing alloy body complete with two disposable carbide straight knives, 8mm radius knives and scribes. Suitable for producing 9 degrees sills in softwood and hardwood on a spindle moulder.



EN847-1/2

ØD	B	Product Ref.	Z,V	Ød
150	121	IT/7107081	Z2 + 2,V2	30
150	121	IT/7107087	Z2 + 2,V2	1-1/4"

Spare Parts

Description	Product Ref.	Size
T.C. Blade	IT/3000406 IT/3108524 IT/3008503/10	120x13x2.2 R8 14x14x2.0
Wedge	IT/1990338 IT/1990466	L = 110 L = 24
Set Screw	IT/1930265	M6x16
Hex Key	IT/1940035	S3
Torx® Screw	IT/1933700	M5x6.3
Torx® Key	IT/1941060	T20

Replacement knives with a /10 are sold in packs of 10.

Maximum Speed 9,000 RPM

All prices are exclusive of VAT