

Sanding Strips -For Unosand, Flex-Trim and Similar Systems.

UNOSANDING STRIPS (single row brush)

Single Side Abrasive	Double Side Abrasive	Overall Height
Model	Model	
P22	P22/2	43mm
P32	P32/2	53mm
P42	P42/2	63mm
P52	P52/2	73mm
P67	P67/2	88mm
P87	P87/2	108mm

HEAVY DUTY UNOSANDING STRIPS (double row brush)

P32H	P32H/2	53mm
P42H	P42H/2	63mm
P52H	P52H/2	73mm
P67H	P67H/2	88mm

ABRASIVES

Aluminium oxide (Prefix A + grit size)

60 80 100 120 150 180 220 240 280 320 400 600

Silicon Carbide (Prefix S + grit size)

24 80 100 120 150 180 220 240 320 400

Plus 50% Ex Stock

ABRASIVE BLADES

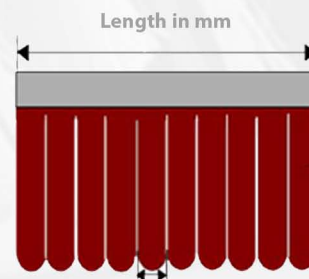
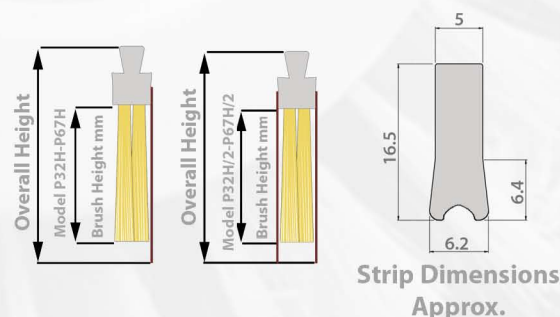
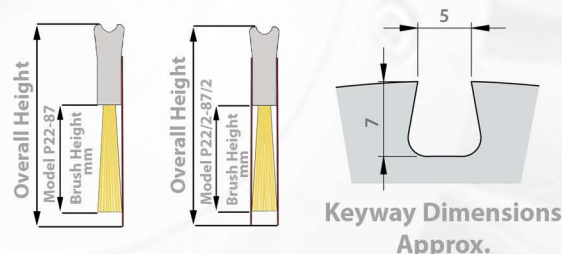
03mm Wide 04mm Wide 07mm Wide 20mm Wide 00mm (Solid)

LIGHT SUPPORT BRUSHES -Single Row

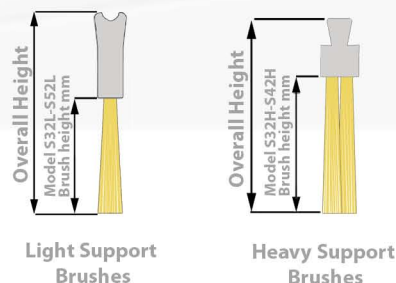
Model	Overall Height
S32L	48mm
S42L	58mm
S52L	68mm

HEAVY SUPPORT BRUSHES -Double Row

S32H	48mm
S42H	58mm



Available with 03/04/07/20mm approx blades
00mm (solid blade)



Ordering Examples

Model denotes brush Height

Qty	Model	Length in mm	Abrasive/grit size
Any	P42/2	0100	A 220/07 + A280/04
Any	P42	0140	S 320/20
Any	S32L	1350	Support Brush
Any	P67/2	1000	S 320/03 + S400/03

Maximum length of strip: 2000mm

N.B. Unosanding strips are designed to fit into Unosanding Hubs (See separate page)

Unosanding strips will fit directly into many other keyways from other manufacturers. Keyways vary in dimensions.

If in doubt please sample before ordering.

Subject to our terms and conditions of sale



Sanding and Denibbing brushes - Made in the UK

High Quality - Competitive Prices - Fast Delivery

Unosand provide a unique service supplying sanding brushes for preparation sanding, denibbing paint and lacquer, structuring timber and deburring metal components.

How does the Unosand System work?

Special hubs with keyways or grooves are used to hold Tampico brushes fitted with abrasive fingers or strips.

These hubs are contained within a variety of sanding and denibbing machines and used extensively all around the world in the preparation and finishing process for a vast selection of industries from furniture producers to turbine blade manufacturers.



The Tampico fibre is a naturally occurring product and when treated and made into brushes it retains its integrity and dimension. It is strong and yet will not scratch and will retain some memory, returning to vertical when not under load, therefore reaching directly to the heart of the sanding, denibbing or de-burring situation.

Sanding Strips

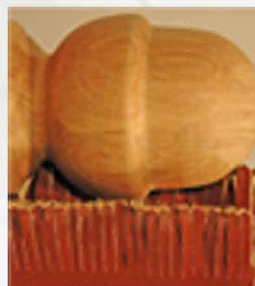
A complete range of flexible sanding strips are available from 22mm to 87mm high in 5 different key-ways.

By combining different slits and often incorporating a selection of additional support brushes either Aluminium Oxide or Silicon Carbide sanding strips will guarantee a perfect finish.



The Tampico backed abrasive fingers slot into keyways of straight or spiral grooved hubs. Through a combination of the correct brush height, abrasive grit size and blade dimension (the slit) the Unosanding strips offer one of the best solutions in the abrasive brush sanding industry sector.

Expert advice is available to guide you through the selection process.

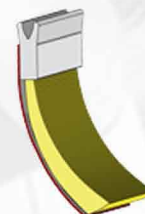




Why Does the Unosand System Work so Well?

Unosanding strips have a special gluing system connecting the abrasive fingers directly to the plastic socket of the brush (outside the keyway) and not directly to the brush.

The brush is fully flexible to the base permitting the user to exert the correct sanding pressure to complete any task successfully.



A wide choice of brush heights from 22mm to 87mm lets the operator select the correct brush for the application. In choosing the correct brush height the stiffness/softness will vary only according to the applied pressure onto the component being finished.

By determining the overall diameter of the complete sanding unit and then selecting the most suitable rotation speed, optimum results can be readily achieved.



The abrasive fingers are available in different widths from 3mm, 4mm, 7mm, 20mm and solid (00mm).

A minimum of two different width strips within any sanding hub are usually deployed allowing the abrasive fingers to reach the more complicated areas requiring treatment.



The abrasive fingers or strips are rounded at the contact point and approximately 5mm longer than the supporting Tampico brush. This situation guarantees the maximum contact with the component. Remember you cannot get a square peg into a round hole.

As a consequence greater pressure can be applied by the sanding brush, spindle speed (rpm) can be reduced in the machine, optimising performance and extending the lifetime of the sanding strips, which in turn reduces power consumption and downtime changing abrasives.

Considerable savings in manpower and paint/lacquer can be achieved.

When extra pressure is needed for reaching into deep moulds or when aggressively sanding flat areas additional support brushes can be used. These are typically 10mm shorter than the sanding strip and can be soft e.g. S32L or hard e.g. S32H depending upon application.

By maintaining constant high sanding pressure and low spindle speed, with the correct abrasive grit size and blade dimension, components are copy sanded only.



With whitewood or intermediate sanding, there is only marginal arrassing or softening to sharp edges which is necessary to prevent the lacquer/paint from being subsequently eroded when denibbing. Fibres are cut flat. The finished surface is therefore more even and less prone to irregular absorption of finishes and stains, guaranteeing a superior finish.

Low spindle speed, with high pressure and wider sanding blades, perhaps 7mm and 20mm, will sand more evenly on flat surfaces and not 'pluck' the softer elements of the grain.

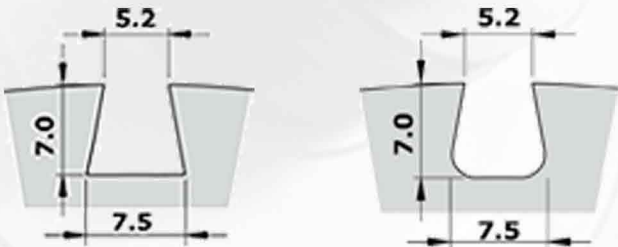
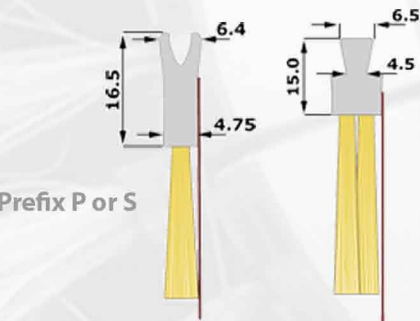
This is especially relevant on open grained timber species such as pine.



Convert your Machine

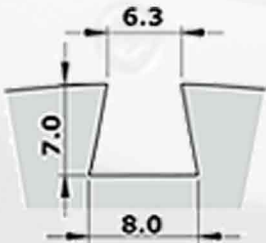
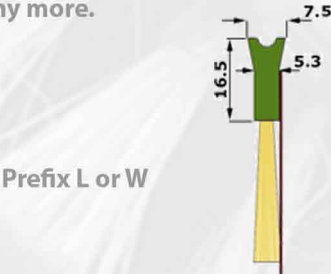
There are many different machinery producers offering brush sanding and denibbing equipment. Major machinery manufacturers offer the sanding strip system as standard within this equipment. However the hubs and keyways to accept the sanding strips in these machines vary considerably in dimension.

The Unosand Strip System (identified by the grey plastic holder) is the most comprehensive system offered by Unosand.

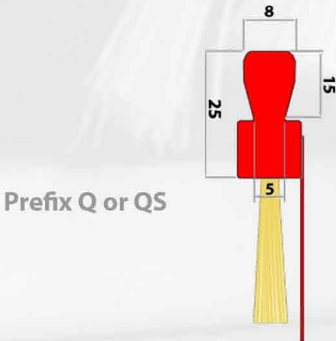


Critical dimensions for this system:

This system will integrate directly into equipment from producers such as Flex-Trim, Loewer, MB Maschinenbau and many more.



The Slip System (identified by the green plastic holder) is designed to fit into equipment from SlipCon Finishing Systems. This range of sanding strips is limited at present to the single row brush type but offers a double sided option similar to the Unosanding strip system.

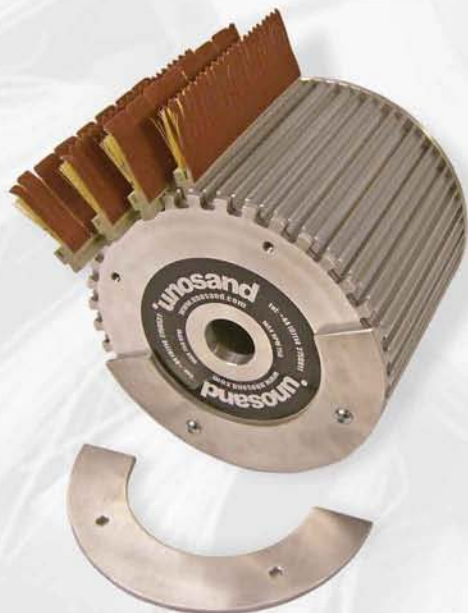


The Unosand Quick System (identified by the red plastic holder) is designed to fit into hubs from Quickwood Systems. The Quickwood sanding system is identified by larger keyways in an extruded aluminium or moulded red plastic hub. This range of sanding strips is limited at present to the single row brush type but offers a double sided option similar to the Unosanding strip system



Aluminium Hubs

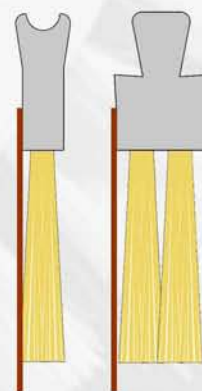
180 mm Diameter Hubs for Unosanding Strips



Unosand aluminium hubs are a strong, durable and economical way to convert all kinds of machines to the Unosanding strips.

The hubs can be supplied with two regular end caps or one regular and one access end cap.

The access end cap is an option to allow for easy changing of sanding strips within the confines of a machine.



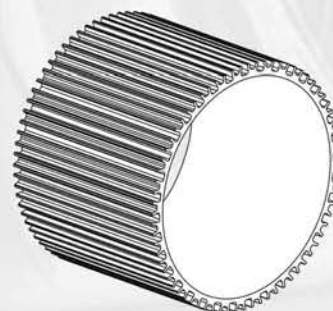
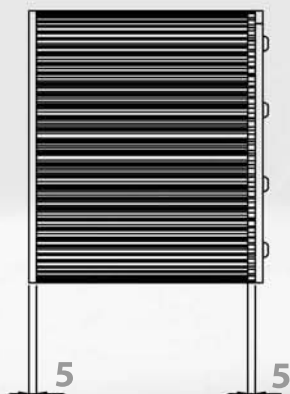
For Unosanding Strips

Hub 180 mm Dia:

Length	Price
<140 mm	£21.00 each
280 mm	£42.00 each
>280 mm	£150.00/m

Maximum length: 2000 mm

Minimum length: 50 mm



180 mm Dia Hub
36 Keyways

End Caps: Please specify bore dimension

Regular End Cap

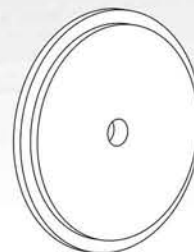
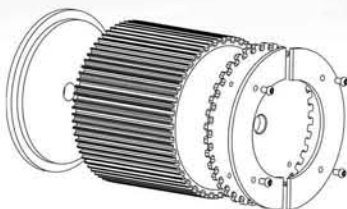
£20.00 each

Two end caps are required per hub adding 10 mm to overall length.

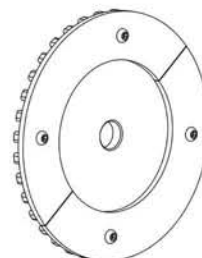
Access End Cap

£30.00 each

Select 2 x regular or
1 x access and 1 x regular.



Regular End Cap



Access End Cap
shown closed

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Prices in £GB, Ex-works + VAT at current rate Subject to our terms and conditions of sale

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Multi Machines

A range of single phase brush sanding and deburring machines for flat and profiled components.

Multi 140 and 280

With a working face of 140mm, the Unosand multi 140 is ideal for brush sanding a wide variety of materials including woods, metals, plastics and composites. Variable speed and a huge choice of abrasives make this machine a versatile addition to any workshop.

The multi 280 has all the features of the 140 but with a working face of 280mm.

Both machines have an adjustable, removable worktable.



Multi 140
(table removed)

Multi Disc

The multi disc has a 70mm brush with an additional 250mm diameter disc for sanding and deburring complicated and intricate shapes.



Multi 280



Multi Disc

- Consistent finishing on contoured and irregular surfaces;
- Profile & edge sanding/deburring of many materials;
- Brush finish aluminium and other metals;
- Reduce labour costs;
- Provide a key for paint/sealer and denib between coats;
- Process components in stacks;
- Polish/buff components;
- Round off sharp edges;
- Use with robot cells for automated sanding/deburring.
- Adaptable heads to suit internal diameters (e.g. toilet seats).

www.unosand.com

Metals - Plastics - MDF - Solid wood - GRP - Veneer - Paint - Lacquer- Oil - Wax

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Multi Machines

Applications:

Deburr and edge round intricate fretwork and complicated shapes in a variety of materials with the multi disc. Different abrasives can be used in forward and reverse.



Achieve an attractive brushed finish, clean up welds and provide a key for painting with the multi 140 and 280.

Deburr the ends of tubes. The brushes will deburr the inside and outside edge in one go. The table unhooks to allow off-hand working.



The abrasive fingers reach into different contours, ideal for sanding mouldings, castings and other complex shaped components.

The table provides support for edge sanding of components with dust extracted through the hood. The height adjustable head allows full use of the abrasive strips.



The sanding strips are quickly and easily changed with Unosand access end caps. A huge variety of grit sizes and brush lengths are available to suit many different materials and applications.

Specifications:

12 month warranty.



Technical	Multi 140	Multi 280	Multi Disc
Worktable Height	940 (removable)	940 (removable)	940 (fixed)
Worktable dimensions	750 x 400	750 x 400	750 x 750
Worktable angle	+/- 30	+/-30	+/-30
Max dia. hub inc sanding strips	300mm	300mm	250mm
Adjustable in height	430mm	430mm	90mm
Motor 230/240v Forward/Reverse	200-700 rpm	200-700 rpm	200-700 rpm
Motor 110/120v Forward/Reverse	200-700 rpm	200-700 rpm	200-700 rpm
Prices	£2500.00	£2690.00	£2950.00

All prices are excluding VAT. Ex works. Delivery extra.

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