

Timberoll Belts

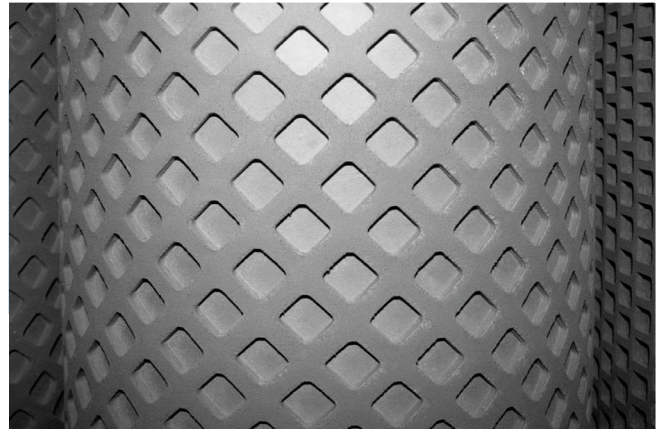
SLEEVE BELT (WITHOUT JOINT) FOR WOODWORKING MACHINERY

The conveyor belt of machines used for sanding calibrating and dressing of heartwood, hardboard panels, plywood, veneer, laminated plastic (synthetic resin bonded laminate) etc. must have proper characteristics to contribute to the achievement of perfectly machined surfaces.

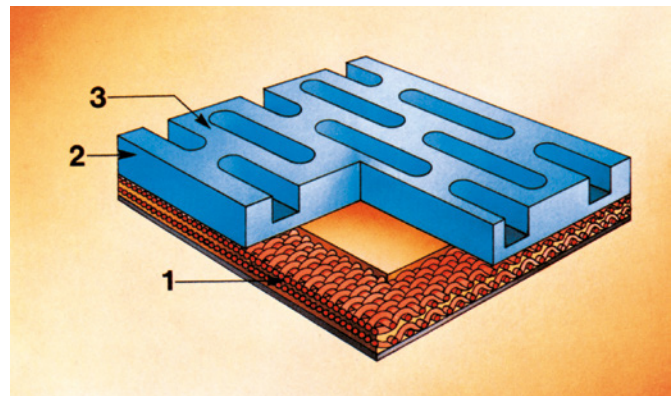
TIMBEROLL belts have obtained and are still obtaining warm approval by their users since they warrant excellent results. Their peculiarity lies in the fact that they are of vanguard design and manufactured to obtain a sleeve belt of the required dimension, without need for overlapping of the two belt ends (no splice), as otherwise used for similar types.

As a result of this manufacturing process, the quality of the adopted materials and their configuration, TIMBEROLL make it possible to obtain better performances, such as:

- 1 Absolute uniform thickness and strength** in all parts of the belt, since the carcass has to be approached over a 360° arch;
- 2 Exceptional belt running linearity** even when the length/width ratio of the machine table is ≤ 1 m;
- 3 Improved flexibility** so that pulleys with a smaller diameter can be used;
- 4 Maximum flatness and stability** under working stresses;
- 5 Excellent smoothness** on the sliding surface of the machine table due to very low sliding friction coefficients;
- 6 Efficient grip action** of the materials conveyed on the belt, since the high rubber covers and adopted profiles provide for high sliding friction coefficients.



Main components: TIMBEROLL belts are characterized by the following construction particulars:



Picture 1: structure of the belt

1 - Structure

This term defines the composition of the tension member or carcass and of the inner sliding ply (Tab. 1);

2 - Rubber cover

This term indicates the rubber compound used for the carrying surface (Tab. 2a & 2b);

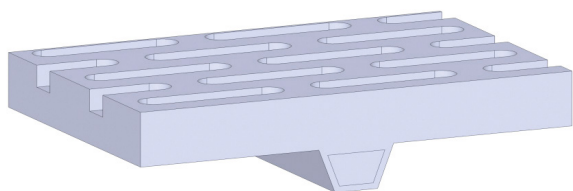
3 - Top profile

This is the impressed pattern which results in alternating land and voids on the rubber cover (Tab. 3).

The various types of available structures, covers and profiles for general and special applications will be described in the following pages, along with their leading particulars.

The right choice of the various combinations will provide you with the best TIMBEROLL suiting your processing requirements for any kind of material and for obtaining the desired results on the finished product. However, don't hesitate to contact our technicians who are at your complete disposal to offer their advice.

V GUIDE TIMBEROLL, TRULY ENDLESS BELTS FOR EDGE-SANDING AND SHAPED SANDING MACHINERY

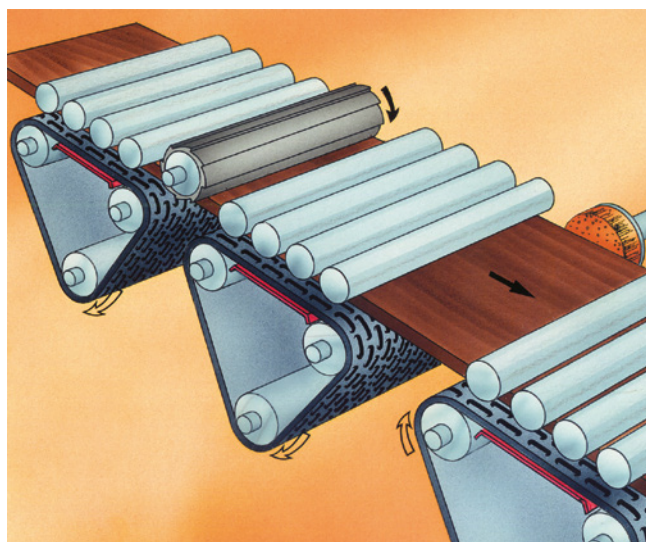


We recommend the following component types:

Structure: EPQP or EPQ for belts with a long or short distance between centers and SME 400 is used for pulleys with a small diameter;

Top profile: SP 104 or SP 130 are appropriate for edging machines and SP 107 or SP 110 for polishing of shaped or moulded profiles;

Lower profile: the shearing stresses is counteracted by the guide rib and increasing the stress, the guide section becomes larger accordingly. We produce the most common dimensions with the v-guide integrated with the structure (tab. 5)



RECOMMENDED ² MINIMUM PULLEY DIAMETER FOR BELT WITH V-GUIDE					
Lower profile		Trapezoid section (mm)		Diameters (mm)	
Code	Section ³	Base	Height	Unnotched guide	Notched guide
SP502	A	13	8	120	95
SP503	B	17	11	200	120

Tab 5

TOLERANCES		
Inner circumference	Up to 5000 mm	±0,5 %
	Over 5000 mm	±0,75 %
Width		± 5 mm
Thickness		+1/-0,5 mm
Thickness uniformity		0,3 mm max
Misalignment of the central guide rib		± 1,0 mm

Tab 6

2. Only typical data for selection purpose, not to be used for part or tool design.
3. Other Section like "Z" (10 x 6 mm) or "C" (22 x 14 mm) available upon request.



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