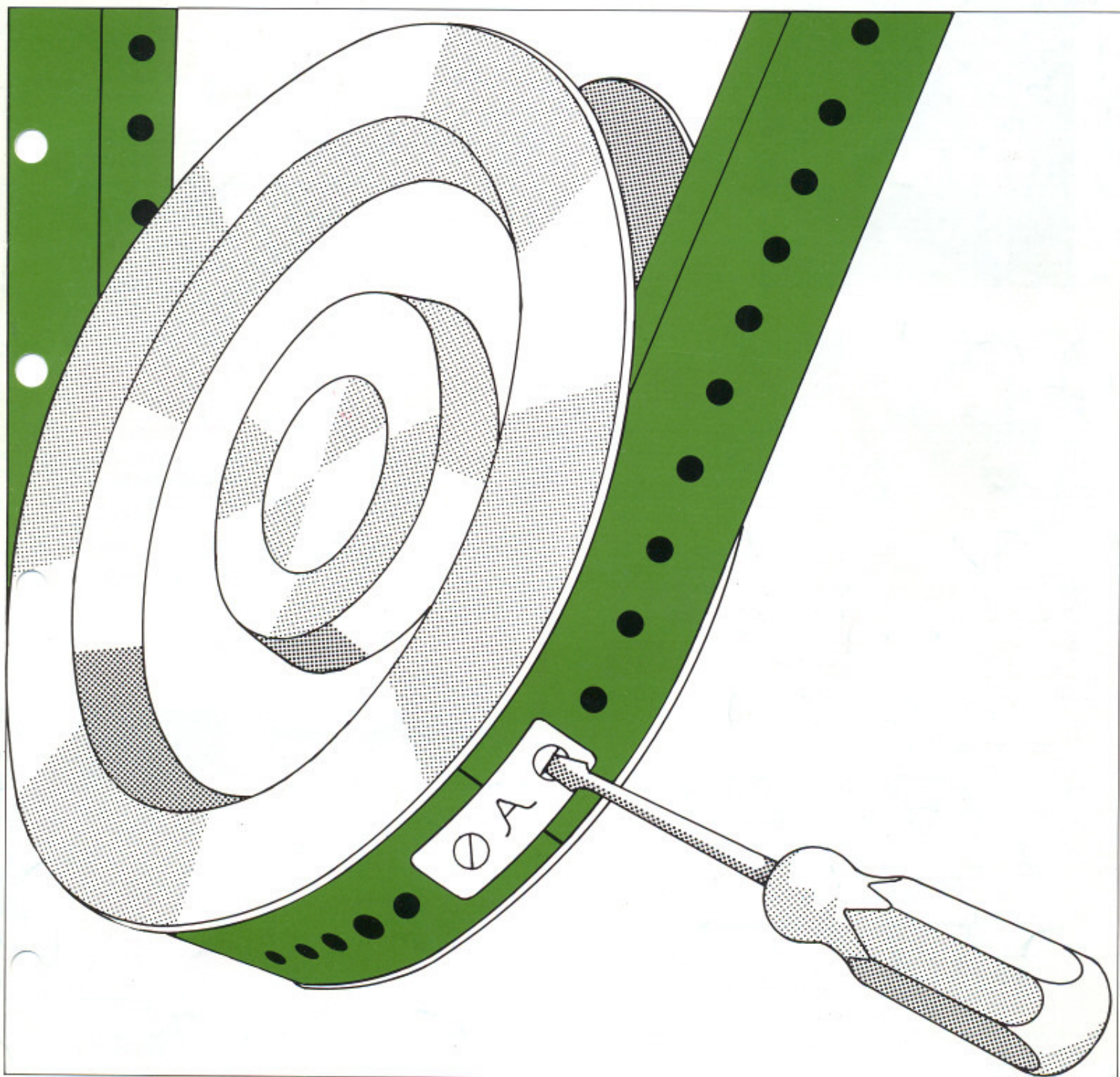


BANDO SUNROPE

Open-end Perforated Vee Belting

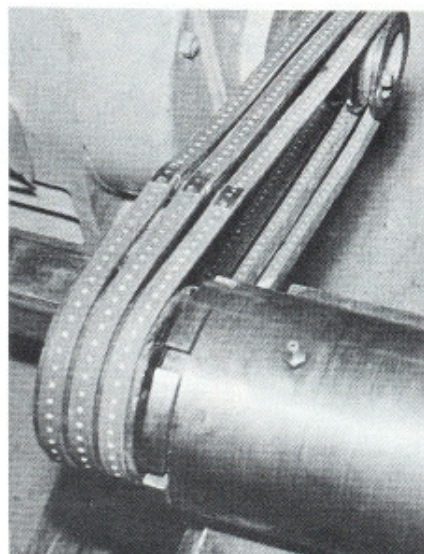


T-SR003001-E
1989 OCTOBER

Now! It's Easy To Make

With just an order

BANDO SUNROPE



Outstanding Features of "SUNROPE"

- 1 Splicing or jointing can be done freely and easily.
- 2 The belt abounds in flexibility.
- 3 The pulleys or sheaves can be changed or replaced at any optional position.
- 4 You can replace one single belt picking it out from among the multiple-shaved belt lines.
- 5 You can save the idle inventory of belts. Having a small amount in store, you can assemble and set up a V-Belt of any length you desire.
- 6 Two or more belts of multiple-shaved lines can be made all of exactly uniform lengths, to obtain the matched set with ease.
- 7 When the belt has been excessively elongated due to fatigue while in use, the portion can be freely cut out and curtailed, with the better reconditioned results.
- 8 The fastener is ruggedly constructed, and special design is embodied in it to make the belt pliable and flexible.
- 9 "SUNROPE" has surprisingly large transmission efficiency, and yet quite free of offensive noises.

Construction of "SUNROPE"



The canvas fabrics of little elongation and of excellent wear-resistant properties are used for the carcass, which are folded spirally to form up tough layers of ply. This is the special device for realizing the improvement of jointing efficiency of the belt.

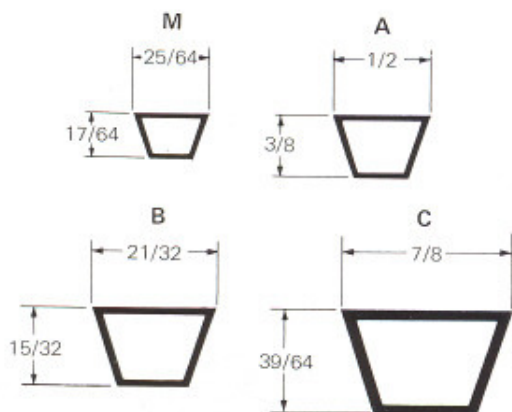
In conformity to the purpose of use or applications, we can offer the belts of Regular Specifications and Oil-Proof Specifications with respect to the belt construction.

Minimum Limit of Pulley Diameter for "SUNROPE"

SUNROPE V-Belt is to be used with the pulley whose diameter is not smaller than the value listed on the below table, as classified by type.

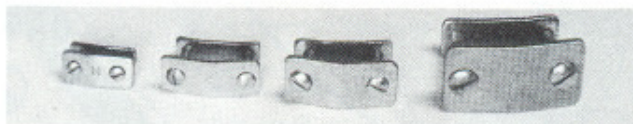
Type & Belt	M	A	B	C
Standard Minimum Limit of Pulley Diameter	3inch	4inch	6inch	10inch
	75mm	100mm	150mm	250mm

Sizes of "SUNROPE"



"SUNROPE" is the Perforated "V" Belt that can build up an Endless V-Belt satisfying any occasional or specified requirements all the time, readily and simply, if only you have one single screw driver on hand.

FASTENERS



Plates are inset, pre bent to obviate injurious bending stress even at extreme curvature. Designed to be free from shock and strains.

How To Fix-Up And Mount "V-Shaped SUNROPE"

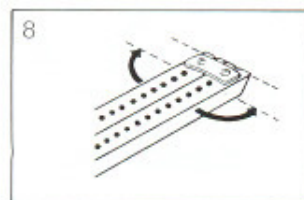
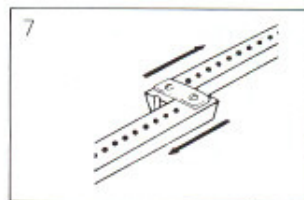
1. In the first place, lay the belt line over the pulleys to have the belt tentatively stretched and fitted on the grooves, and hold both ends together in the hand, putting them side by side. Find out the point where the belt has just made one complete taut loop being thus stretched by the hand, and to that point give a line-mark crosswise. (Refer to Fig. 1)

Make Your Own Vee Belts!

Primary screw driver

BANDO SUNROPE

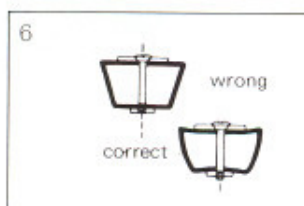
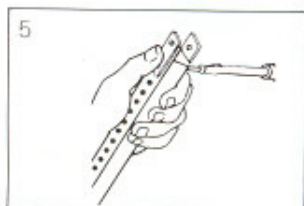
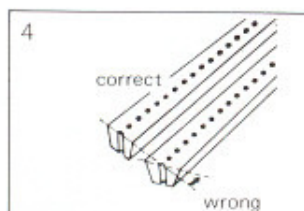
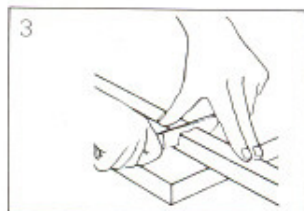
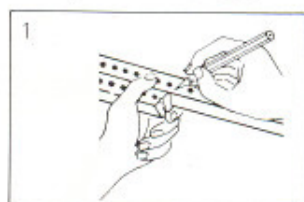
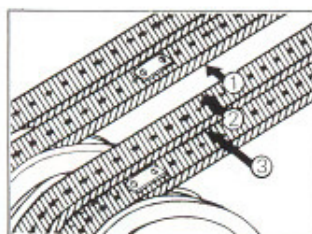
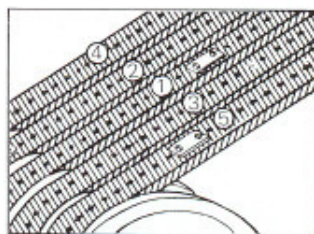
- Take down the belt off the pulley; determine the point stepped back by 1% of the measured length, and again give the second line-mark at that spot. (Fig.2)
- Find out the center line of the hole which is nearest to the second line-mark; and at the above center line, cut off the belt with a knife, exactly square with the belt, i.e., at an accurate right angle against the direction of belt pull. (Figs. 3 and 4)
- Attach the fastener at one end of the belt. The screws shall be fastened accurately and lightly (Fig. 5); if the screws are fastened too tightly, the belt may possibly be flattened, and might cause the belt to make unsteady, irregular or crooked running. (Fig. 6)
- Next, place both ends of the belt side, and carry out the jointing (splicing) procedures. After the both ends have been jointed, correct the direction of the belt. Fig. 7 shows the splicing method to be pursued while the belt remains as being mounted over the pulleys, whereas Fig. 8 illustrates the method to be followed before the belt is placed over the pulleys. However, in the case of C.Type SUNROPE, these methods are not applicable, but instead, the cut ends shall be butted against each other for splicing, right from the beginning. Further, it would be a better method of the splicing in such a way that the spliced portion of the belt is first pre-bent in conformity to the averaged diameter of the pulley, and then in that state, the screws are fixed into the bottom plate of the fastener.
- When the belt has been spliced in good order, it is to be mounted first on the smaller-sized pulley, and then secondly, on the largersized pulley. At the moment of mounting the belt, a slight tension may be exerted upon the belt, but the tension of such insignificant degree would never affect the operating functions of the belt.
- When attempting to replace the injured or damaged portion of the belt, it is important and necessary that the splicing fasteners are set as far apart from each other as possible.
- When it is required to give a slight tension over the belt; make a small cutting at the portion around the fastener for curtailing the belt, and it will suffice.



How To Handle Multiple-Sheaved Belt Lines:

In the case of plural belts of multiple-sheaved lines, in the first place mount the belt which is to be fitted on the mid-center position, and then place the adjacent one in place, after which the next adjacent one, thus proceeding in an outward-bound order. If the belt of the middle position has been removed for the purpose of replacing it with a new one, shift the adjacent belt to fill up the vacant seat of the former; and then, the second next one is to follow up the precedence, and so forth. The newly prepared fresh belt is to be fitted on the outermost groove of the pulley.

When any one of the belts of plural lines has been replaced with a new one, make the trial running without charging the load for several hours.



Transmission Horsepower of "SUNROPE"

BELT SPEED		HORSE POWER (PS)			
M/SEC	FT/MIN	M	A	B	C
1	200	0.06	0.18	0.32	0.74
3	600	0.15	0.46	0.81	1.56
5	1000	0.21	0.69	1.14	2.49
6	1200	0.25	0.78	1.40	2.80
7	1400	0.28	0.88	1.54	3.21
8	1600	0.33	0.98	1.69	3.47
9	1800	0.36	1.05	1.89	3.90
10	2000	0.38	1.16	1.99	4.17
11	2200	0.40	1.18	2.14	4.51
12	2400	0.41	1.27	2.26	4.70
13	2600	0.43	1.33	2.38	5.10
14	2800	0.44	1.40	2.51	5.35
15	3000	0.46	1.45	2.58	5.55

IT'S SO EASY TO MAKE YOUR OWN V BELTS AND COSTS SO LITTLE

Perforated Open End Belting can be used on the Farm, in the Factory or in the Home!

Belt users from every walk of life find BANDO Open End Perforated Belting "SUNROPE" the solution to many of their problems.

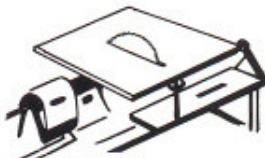
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