

TABLE 1 DIMENSIONS OF BELTING

( Clause 4 )

All dimensions in millimetres.

Pulley Widths	Nominal Belt Widths	Tolerance on Widths	PREFERRED SIZES				
			5.0	6.5	10.0	12.0	15.0
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
32	25	± 1.6	X	—	—	—	—
40	32		Y	—	—	—	—
50	40		X	—	—	—	—
63	50		X	X	—	—	—
71	63		X	X	—	—	—
80	71	—	—	Y	—	—	
90	80	± 2.4	—	Y	—	—	—
100	90		—	Y	—	—	—
112	100		—	X	X	—	—
125	112		—	—	X	X	—
140	125		—	—	X	X	X
160	140	± 3.2	—	Y	—	—	—
180	160		—	—	Y	Y	—
200	180		—	—	—	Y	—
224	200		—	—	—	—	—
250	224		—	—	—	X	—
280	250	± 3.2	—	—	—	—	Y
315	280		—	—	—	—	Y
355	315		—	—	—	—	Y
400	355		—	—	—	—	—
450	400		—	—	—	—	X
500	450	—	—	—	—	X	
560	500	—	—	—	—	—	X

Note 1 — 'X' indicates preferred size; 'Y' indicates permissible size.

Note 2 — If, for any technical reasons, it is preferable to use a wider pulley than the belt, as frequently occurs with the narrower belts, such a pulley can be chosen from the series of pulleys given in Table 2.

5. Material — All warps shall be manufactured from yarns conforming to IS : 1721-1970 ' Specification for hair belting yarn (first revision)'. All wefts, binders and cords shall be of cotton yarn of suitable type.

6. Manufacture

6.1 The hair belting, including those with cotton pile face, shall be soft, flat type, provided that such cotton yarns do not take any of the tensile load.

6.2 The belting shall be fully impregnated with linseed oil base or bituminous compound. The compound shall protect the belting from fungus attack and shall be non-toxic and free from mineral oil.

6.2.1 The belting may also be rubber impregnated in accordance with manufacturing practice.

7. Pliability — The belting shall be pliable longitudinally but fairly stiff transversely.

8. Tests

8.1 Tensile Test — The tensile strength of the belting, when tested in the manner described in Appendix A, shall be not less than the value given in 3.1.

8.2 Elongation Test — Elongation of the belting, when tested in the manner described in Appendix A, shall be not less than 4 percent nor more than 10 percent.

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