

- 8.2.1 The permanent set, as determined in A-3, shall not exceed one percent of the initial length.
9. Packing — The belting shall be packed in double hessian cloth or as agreed to between the purchaser and the manufacturer.
10. Marking — The belting shall be marked at every 8 m with the manufacturer's name, trade-mark and year of manufacture. The grade of the belting shall also be marked.
- 10.1 In case of belting having special pulley side, the pulley side shall be indicated with indelible stamp.
- 10.2 ISI Certification Marking — Details available with the Indian Standards Institution.

APPENDIX A

(Clauses 8.1 and 8.2)

BALAJI INTERNATIONAL
68/1/3, Shree Krishan Vihar Lane,
Howrah - 711 101
VAT No. 19683382009
C.S.T. No. 19683382203

METHODS OF CONDUCTING TENSILE AND ELONGATION TESTS

A-0. Conditioning of Sample

A-0.1 The test pieces shall be cut not less than 24 hours from the time of the manufacture of the belt and test pieces shall be conditioned for 24 hours at $27 \pm 2^\circ\text{C}$ and 65 ± 5 percent relative humidity [see IS: 196-1966 Atmospheric conditions for testing (revised)]. Conditioning may be increased to a maximum of 7 days when agreed to between the manufacturer and the purchaser.

A-1. Tensile Test

A-1.1 From the selected sample, cut a piece of about 1 m length and condition it as given in A-0.1. Fix the wedge grips squarely at both ends, leaving about 20 mm length free at each extreme end. Push into free ends steel pins, about 40 mm long, 25 to 40 mm distance between centres, along the widths adjacent to the back of the wedge grips to prevent slipping of these grips. Slide the belting with the pins fitted as mentioned above into the grip holders (in the form of tapered fork pieces) in such a way that the wedge grips at each end of the belting are held firmly and squarely between the jaws of the grip holders (see Fig. 1).

A-1.2 Apply the load gradually between the grip holders, the rate of traverse of moving end being not less than 300 mm per minute, until rupture.

A-2. Elongation Test

A-2.1 Prepare and mount a sample strip of about 3.4 m as in A-1.1. Mark a gauge length of 3 m and apply a load of 8.8 N/mm^2 of nominal cross section for 15 minutes. Calculate the elongation as percentage of the initial gauge length of the test strip.

A-3. Permanent Set

A-3.1 After removing the load from the test piece mentioned in A-2.1, allow the belting to rest freely for 24 hours and calculate the permanent set as a percentage of the original length.

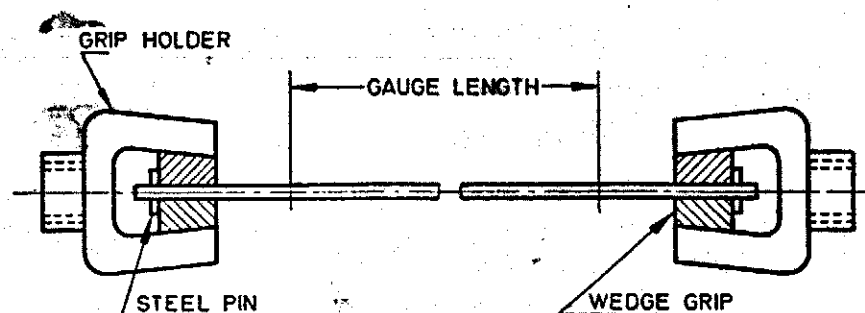


FIG. 1 METHOD OF GRIPPING TEST PIECE FOR TENSILE AND ELONGATION TESTS