



**PRODUCT MANUAL FOR
TRANSMISSION DEVICES - V-BELTS -
ENDLESS NARROW V-BELTS FOR INDUSTRIAL USE
ACCORDING TO IS 14261:1995**

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence.

1.	Product	:	IS 14261:1995
	Title	:	TRANSMISSION DEVICES - V-BELTS - ENDLESS NARROW V-BELTS FOR INDUSTRIAL USE
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	----
b)	Grouping guidelines	:	Please refer ANNEX – A
c)	Sample Size	:	5 V-Belts
3.	List of Test Equipment	:	Please refer ANNEX – B
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	Possible tests in a day :		
	(i) Workmanship as per Cl 4.1		
	(ii) Cross Section Dimensions as per Cl 5		
	(iii) Pitch Length as per Cl 7. 2		
	(iv) Matched belts as per Cl 7. 3		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 14261:1995 with the following scope:		
	Name of the product	Transmission Devices- V-Belts- Endless Narrow V-Belts For Industrial Use	
	Type	Cross Section Symbol – SPZ/ SPA/ SPB/ SPC Nominal Pitch Length -	

ANNEX A

Grouping Guidelines

1. Endless Narrow V- Belts for power transmission in general industrial applications as per IS 14261: 1995 are classified based on the following:

- Cross Section : SPZ, SPA, SPB, SPC
- Nominal Pitch Length: As per Table 3
- Belts with length other than those given in Table 3 may be supplied as agreed to between the purchaser and the supplier. For such belts, the nominal pitch length shall be declared by the manufacturer.

2. For considering GoL/CSoL, Endless Narrow V- Belt of any size from each Cross Section shall be tested for all requirements to cover the complete range of sizes of the particular cross section tested.

3. The Firm shall declare the varieties of V- Belts intended to be covered in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.

4. During the operation of the licence, BOs shall ensure that all the varieties covered in the licence are tested in rotation, to the extent possible.

ANNEX B**List of Test Equipment***Major test equipment required to test as per the Indian Standard*

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Cross Section Dimensions as per Cl 5	Pulleys Vernier Calipers Angle Protractor Force Measuring Device
2	Length Measurement and Tolerances as per Cl 7	Tension Meter Pulleys Vernier Calipers Measuring Tape/Scale Grading Machine

The above list is indicative only and may not be treated as exhaustive.

ANNEX C

Scheme of Inspection And Testing

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare a calibration plan for the test equipments.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. LABELLING AND MARKING – As per the requirements of IS 14261:1995. In addition, each V-Belt shall also be marked with the month and year of manufacture.

4. CONTROL UNIT – V-Belts of same cross section manufactured from a batch of same cord, fiber and rubber mould in a day shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

5.1 All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.

6. REJECTIONS – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

TABLE 1

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
4	Material & Workmanship	4.1	IS 14261:1995	-	-	Each Belt	
		4.2	IS 14261:1995	S	As agreed between the purchaser and manufacturer		
		4.3	IS 14261:1995	S			
5	Cross Section Dimensions	5	IS 14261:1995	R	Ten	Each Control Unit	---
7	Pitch Length	7.2	IS 14261:1995	R	Ten	Each Control Unit	In case of failure all the V-Belts from that control unit shall be checked and those found passing only shall be marked.
	Matched Belts	7.3	IS 14261:1995	R			

Note 1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note 2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head.