

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

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IS 9449-1 (1980): Dimensions for Tyre Valve Threads, Part 1: Threads 5V1, 6V1 and 8V1 [TED 7: Automotive Tyres, Tubes and Rims]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard



DIMENSIONS FOR TYRE VALVE THREADS

PART I THREADS 5V1, 5V2, 6V1 AND 8V1

- 1. Scope** — Covers the limiting dimensions and tolerances for tyre valve threads 5V1, 5V2, 6V1 and 8V1.
- 2. Dimensions and Tolerances** — Shall be as given in Table 1.
- 3. Designation** — Valve threads shall be designated as follows:

Nominal Dimensions (Diameter × Pitch) mm	Designation
5.2 × 0.705	5V1
5.2 × 1.058	5V2
6 × 0.8	6V1
7.7 × 0.794	8V1

- 4. Thread Gauging** — The principles of thread gauging shall be in accordance with IS : 2334-1975 'Gauging practices for ISO metric screw threads (*first revision*)'.

EXPLANATORY NOTE

Tyre valve threads are special threads applicable for valves used with tyre tubes. These threads are different from those covered by IS : 4218 'ISO metric screw threads'. This is first part in the series of standards on tyre valve threads. Other parts covering different thread dimensions will be issued later.

This standard is in entire conformity with ISO 4570/1-1977 Tyre valve threads — Part I: Threads 5V1, 5V2, 6V1 and 8V1, issued by the International Organization for Standardization.

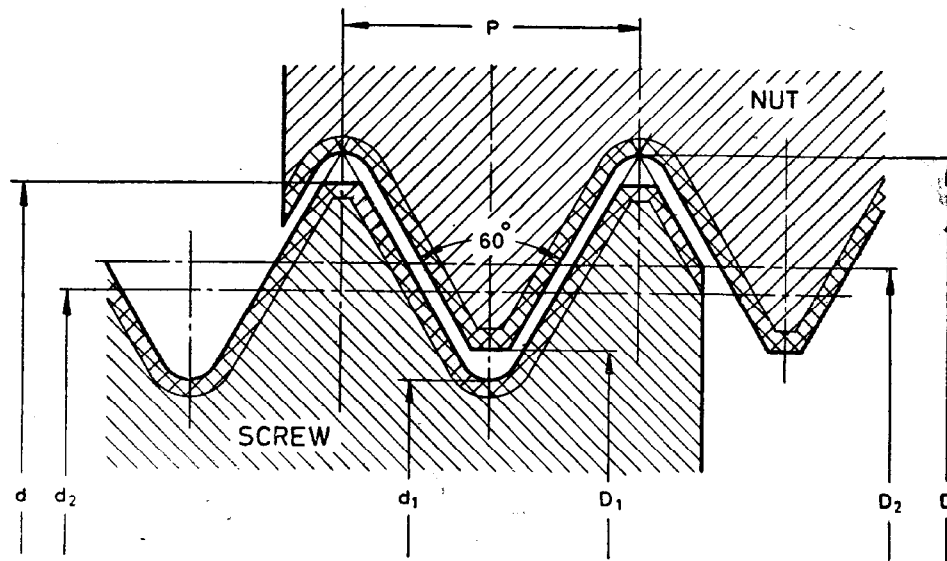
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TABLE 1 LIMITING DIMENSIONS OF TYRE VALVE THREADS
(Clause 2)

All dimensions in millimetres.



Nut {
 P — Pitch
 D — Major diameter
 D_1 — Minor diameter
 D_2 — Pitch diameter

Screw {
 d — Major diameter
 d_1 — Minor diameter
 d_2 — Pitch diameter

Designation	Screw								Nut						
	Nominal Dimensions (Diameter × Pitch)	Major Diameter d			Pitch Diameter d_2			Minor Diameter d_1	Major Diameter D	Pitch Diameter D_2			Minor Diameter D_1		
		Max	Tol T_d	Min	Max	Tol T_{d_2}	Min	Max		Min	Max	Tol T_{D_2}	Min	Max	Tol T_{D_1}
5V1	5.2 × 0.705	5.232	0.203	5.029*	4.775	0.101	4.674	4.496	5.334	5.004	0.135	4.869	4.801	0.204	4.597
5V2	5.2 × 1.058	5.220	0.180	5.040	4.705	0.150	4.555	4.200	5.370	4.865	0.105	4.760	4.600	0.200	4.400
6V1	6 × 0.8	6.030	0.200	5.830	5.670	0.150	5.520	5.385	6.160	5.830	0.105	5.725	5.540	0.100	5.440
8V1	7.7 × 0.794	7.747	0.203	7.544†	7.235‡	0.159	7.080	6.909	7.798	7.468‡, §	0.184	7.284	7.239 , ¶	0.203	7.036

Note — When technical considerations permit or require, the following exceptions may apply:

*5.080 instead of 5.029.
 †7.620 instead of 7.544.
 ‡7.529 instead of 7.468.

§7.400 instead of 7.468.
 ||7.366 instead of 7.239.
 ¶7.186 instead of 7.239.