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# INTERNATIONAL STANDARD



# 4570 / 1

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Tyre valve threads — Part I : Threads 5V1, 5V2, 6V1 and 8V1

*Filetages de valves pour pneumatiques —  
Partie I : Filetages 5V1, 5V2, 6V1 et 8V1*

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[ISO 4570-1:1977](https://standards.iteh.ai/catalog/standards/sist/fl ede647-6612-4925-9a2d-232d653c64c5/iso-4570-1-1977)

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UDC 629.11.012.5 : 621.882.082.3

Ref. No. ISO 4570/1-1977 (E)

**Descriptors** : pneumatic tyres, tyre valves, screw threads, specifications, dimensions, dimensional tolerances.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4570/1 was developed by Technical Committee ISO/TC 31, *Tyres, rims and valves*, and was circulated to the member bodies in February 1976.

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It has been approved by the member bodies of the following countries :

Australia	Japan	Sweden
Austria	Korea, Rep. of	Switzerland
Canada	Mexico	Turkey
Czechoslovakia	Netherlands	United Kingdom
France	Romania	U.S.A.
Israel	South Africa, Rep. of	Yugoslavia
Italy	Spain	

The member body of the following country expressed disapproval of the document on technical grounds :

U.S.S.R.

# Tyre valve threads – Part I : Threads 5V1, 5V2, 6V1 and 8V1

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## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies limit dimensions and tolerances for tyre valve threads 5V1, 5V2, 6V1 and 8V1.

## 2 REFERENCE

ISO/R 1502, *ISO general purpose metric screw threads – Gauging.*

## 3 DESIGNATION

The designation of tyre valve threads shall be as given in table 1.

## 4 PROFILE

See the figure and table 2.

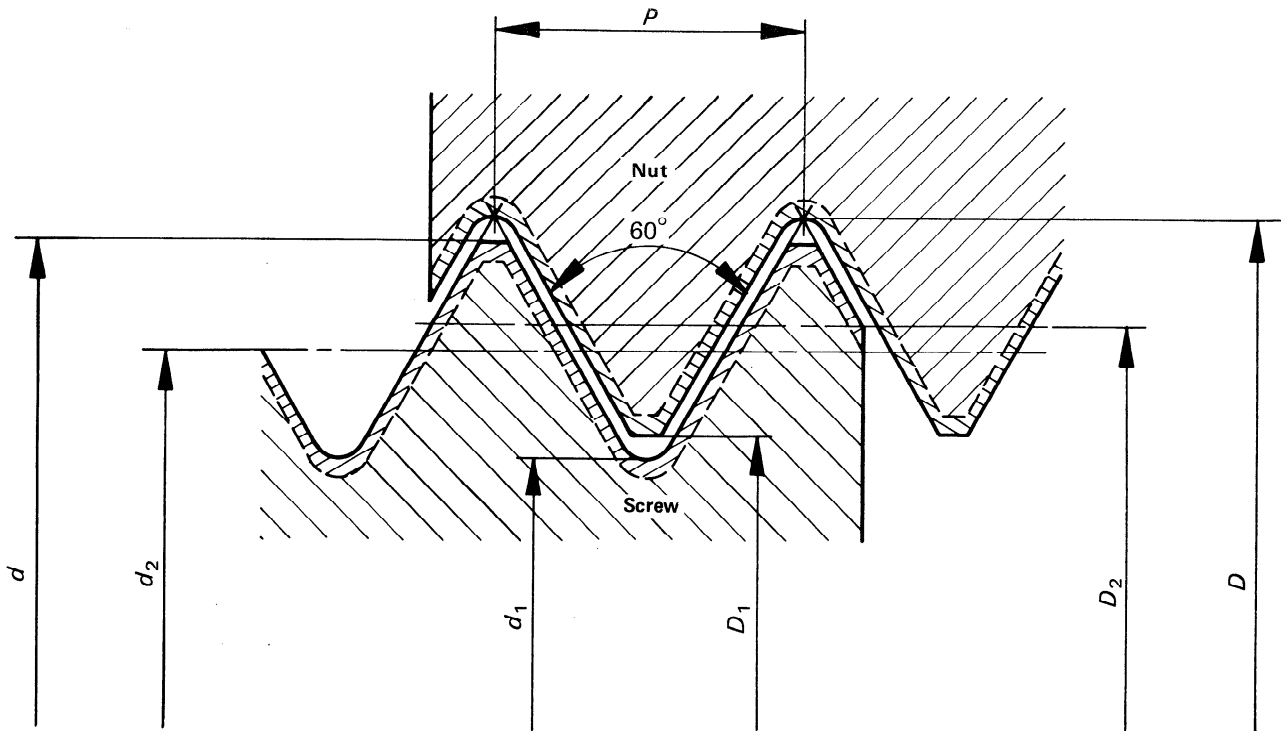
TABLE 1 – Designation

Nominal dimensions mm	Designation
5,2 × 0,705	5V1
5,2 × 1,058	5V2
6 × 0,8	6V1
7,7 × 0,794	8V1

## 5 THREAD GAUGING

The principles of thread gauging shall be in accordance<sup>1)</sup> with ISO/R 1502.

1) The calculation of gauge dimensions will be specified later.



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P Pitch  
 D Major diameter  
 D<sub>2</sub> Pitch diameter } Nut  
 D<sub>1</sub> Minor diameter  
 d Major diameter  
 d<sub>2</sub> Pitch diameter } Screw  
 d<sub>1</sub> Minor diameter

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TABLE 2 – Limit dimensions

Values in millimetres

Designation	Nominal dimensions Diameter X Pitch	Screw						Nut							
		Major diameter			Pitch diameter			Major diameter	Pitch diameter			Minor diameter			
		d			d <sub>2</sub>				D	D <sub>2</sub>			D <sub>1</sub>		
max.	tol. T <sub>d</sub>	min.	max.	tol. T <sub>d2</sub>	min.	max.	min.	max.	tol. T <sub>D2</sub>	min.	max.	tol. T <sub>D1</sub>	min.		
5V1	5,2 X 0,705	5,232	0,203	5,029 <sup>a)</sup>	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 X 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 X 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 X 0,794	7,747	0,203	7,544 <sup>b)</sup>	7,239	0,159	7,080	6,909	7,798	7,468 <sup>c) d)</sup>	0,184	7,284	7,239 <sup>e) f)</sup>	0,203	7,036

NOTE – When technical considerations permit or require, the following exceptions shall apply (see corresponding reference on standards for valves and components) :

- |  |              |   |
|--|--------------|---|
| a) 5,080<br>b) 7,620<br>c) 7,529<br>d) 7,400<br>e) 7,366<br>f) 7,186 | } instead of | {<br>5,029<br>7,544<br>7,468<br>7,468<br>7,239<br>7,239 |
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