

INTERNATIONAL STANDARD

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Cycles — External dimensions of spoke nipples

Cycles — Dimensions extérieures des écrous de rayons

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ISO 6701:1991(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6701 was prepared by Technical Committee ISO/TC 149, *Cycles*.

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Cycles — External dimensions of spoke nipples

1 Scope

This International Standard specifies the external dimensions and tolerances of the spoke nipples of bicycles. It also specifies the designation.

It applies to round or flat head spoke nipples.

2 Dimensions

External dimensions of spoke nipples shall be those indicated in figure 1 and table 1.

3 Designation

Any spoke nipple in conformity with the specifications of this International Standard shall be designated by the number of this International Standard, followed by the wire diameter, expressed in millimetres.

Example of designation:

Nipple ISO 6701 $\varnothing 2$

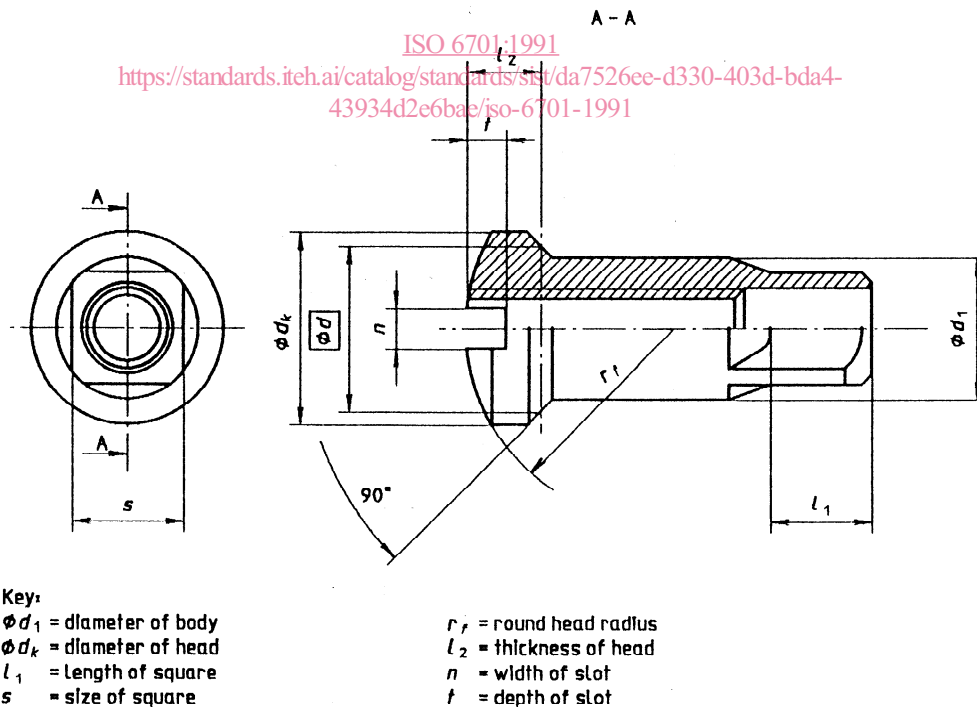


Figure 1

Table 1
Dimensions in millimetres

Wire diameter	Head thickness and slot width																
	d_1	d	d_k	l_1	s	Length of engaged thread	Thick round head				Thin round head				Thick flat head		
							r_f	l_2	n	t	r_f	l_2	n	t	l_2	n	t
1,8 2	4 ⁰ _{-0,3}	5	6	4	3,3 ⁰ _{-0,1}	4 min.	5 ⁰ _{min.}	2,7 ⁰ _{-0,2}	1,6 ⁰ _{-0,2}	1,6 ⁰ _{-0,4}	10	2 ⁰ _{-0,2}	1,1 ⁰ _{-0,2}	1,1 ⁰ _{-0,4}	2,3 ⁰ _{-0,2}	1,6 ⁰ _{-0,2}	1,5 ⁰ _{-0,4}
2,3	4,8 ⁰ _{-0,3}	5,5	6,5	4	3,8 ⁰ _{-0,1}	4,5	6 ⁰ _{min.}	2,7 ⁰ _{-0,2}	1,6 ⁰ _{-0,2}	1,6 ⁰ _{-0,4}	—	—	—	—	3,15 ⁰ _{-0,3}	1,6 ⁰ _{-0,2}	1,75 ⁰ _{-0,5}
2,6	5,5 ⁰ _{-0,3}	6,5	7,5	4	4,5 ⁰ _{-0,1}	5,5	7,5 ⁰ _{min.}	3,6 ⁰ _{-0,3}	2 ⁰ _{-0,2}	2 ⁰ _{-0,4}	12,5	2,6 ⁰ _{-0,2}	1,6 ⁰ _{-0,2}	1,6 ⁰ _{-0,4}	3,2 ⁰ _{-0,9}	1,6 ⁰ _{-0,2}	1,75 ⁰ _{-0,5}

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Descriptors: road vehicles, bicycles, wheel spokes, dimensions.

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