TC 22

INTERNATIONAL STANDARD

ISO 4107

Second edition
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Commercial vehicles — Wheel hub attachment dimensions

Véhicules utilitaires — Caractéristiques dimensionnelles de la fixation de la roue sur le moyeu

Reference number
ISO 4107:1995(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 4107 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 19, *Wheels*.

This second edition cancels and replaces the first edition (ISO 4107:1979), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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Commercial vehicles — Wheel hub attachment dimensions

1 Scope

This International Standard specifies the dimensions necessary for the attachment of a commercial road vehicle wheel on the hub of the vehicle whose fixing has 6, 8 or 10 stud holes.

The flat attachment type with centring on central bore in figure 1 and table 1 is the recommended type for future equipment.

NOTE 1 Annex A shows the characteristics of attachments with spherical or conical centring on the stud hole.

The specifications do not imply that the wheel is interchangeable from one vehicle to another.

2 Flat attachment with centring on central bore

The dimensions of the wheel and hub shall be as shown in figure 1 and table 1.

Dimensions in millimetres

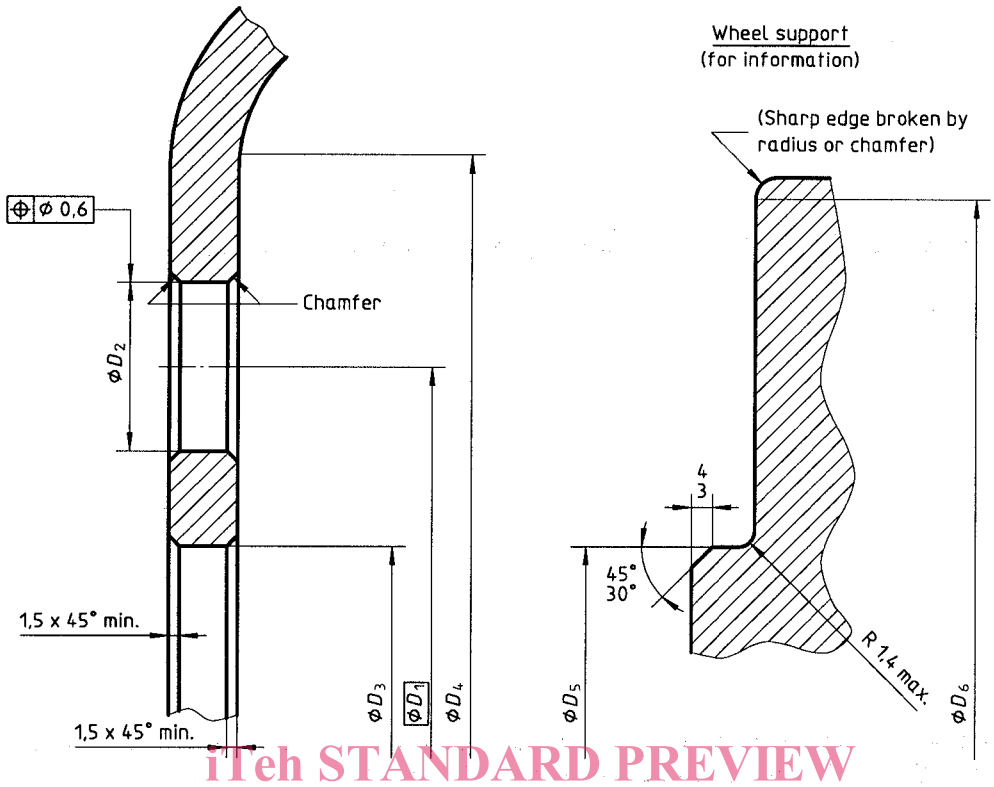

Figure 1 — Dimensions of wheel and hub

Table 1 — Dimensions

Dimensions in millimetres

Number of studs	Bolt circle diameter D_1	Bolt hole diameter D_2 $^{+1}_{0}$	Central bore diameter D_3 $^{+0,2}_{0}$	Disc flat diameter D_4 min.	Stud[1)]	Wheel support[1)]	
						D_5 $^{0}_{-0,2}$	D_6 $^{0}_{-5}$
6	205	21	161	255	18	160,8	250
8	275	24	221	325	20	220,8	320
10	285,75	26	220	345	22	219,8	340
	335		281	390	22	280,8	385

1) For information.

Annex A
(informative)

Attachments with spherical or conical centring on stud hole (no centring on central bore)

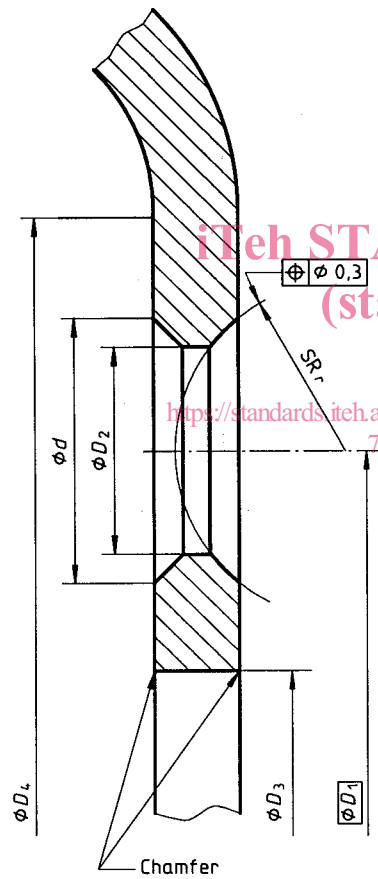

Figure A.1 — Wheel with spherical countersink of hole

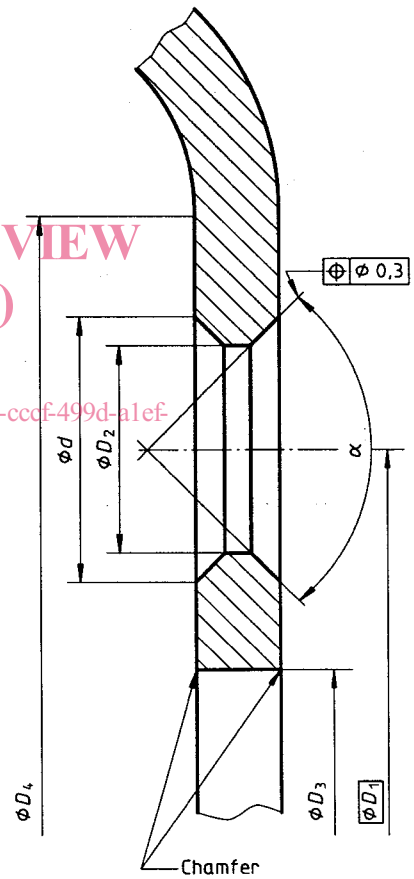

Figure A.2 — Wheel with conical countersink of hole

Table A.1 — Dimensions of attachments with spherical or conical centring on stud hole

Dimensions in millimetres

Number of studs	Pitch circle diameter D_1	Diameter of stud hole D_2 $^{+0,8}_{0}$	Diameter of countersink of hole d $^{+0,5}_{0}$	Radius of countersink of hole r	Angle of hole countersink α $\pm 1°$	Diameter of central bore D_3 min.	Diameter of disc flat D_4 min.
6	170	21,8	26,7	16	—	130	223
	170	21,8	26,7	—	80°	130	223
	205	21,5	27	16	—	161	255
	205	21,8	26,7	16	—	161	255
	205	25	31	—	80°	161	255
	222,2	30,5	37,1	22,2	—	165	290
8	165	17	32	—	90°	116	212
	275	21,8	26,7	16	—	221	325
	275	27	32	18	—	221	320
	275	25	31	—	80°	221	325
10	222,2	30,5	37,1	22,2	—	165	290
	225	27	32	18	—	176	270
	285,75	30,5	37,1	22,2	—	222	345
	335	21,8	26,7	16	—	281	390
	335	25	31	—	80°	281	390
	335	27	32	18	—	281	385
	335	37	46,2	30,2	—	271,5	402

ICS 43.040.50

Descriptors: road vehicles, commercial road vehicles, vehicle wheels, hubs, dimensions, connecting dimensions.

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