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# International Standard



# 3101

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

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## Wheels and castors — Triangular top plates with three fixing holes

*Roues et roulettes de manutention — Platines triangulaires à trois trous de fixation*

Second edition — 1981-10-15

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[ISO 3101:1981](https://standards.iteh.ai/catalog/standards/sist/b9c0ec14-3872-49a0-b1a2-84c46ffdc9b/iso-3101-1981)

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Ref. No. ISO 3101-1981 (E)

Descriptors : handling equipment, industrial trucks, castors, fixing plates, specifications, dimensions.

## 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 3101 was developed by Technical Committee ISO/TC 110, *Industrial trucks*, and was circulated to the member bodies in July 1980.

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

Austria	France	Romania
Belgium	Germany, F. R.	South Africa, Rep. of
Brazil	India	Spain
Bulgaria	Italy	Sweden
Chile	Korea, Dem. P. Rep. of	United Kingdom
Czechoslovakia	Korea, Rep. of	USSR
Egypt, Arab Rep. of	Netherlands	

No member body expressed disapproval of the document.

This second edition cancels and replaces the first edition (i.e. ISO 3101-1976).

# Wheels and castors – Triangular top plates with three fixing holes

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## 1 Scope and field of application

This International Standard specifies the main dimensions of top plates with three fixing holes for industrial castors.

It applies to the top plates defined in 4.2.2 of ISO 2163 and used for the swivel castors defined in 4.1.2 of that document.

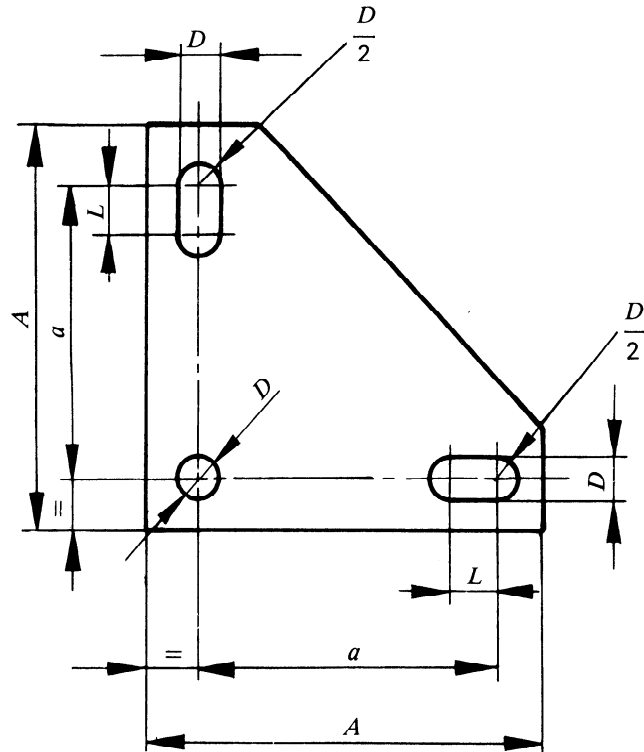
## 2 References

[ISO 3101:1981](#)

[ISO 2163:1983](#), *Fasteners – Clearance holes for bolts and screws*.

ISO 2163, *Industrial trucks – Wheels and castors – Vocabulary*.

3 Dimensions



Dimensions in millimetres

Class No.	Maximum dimensions of top plates $A \times A$	Maximum spacing of fixing hole $a$	Diameter of fixing hole or width of slot $D$	Minimum centre distance in slot $L$	Corresponding wheels	
					Wheel diameter	Hub length
1	75 × 75	55	7	11	50 63 80 100	30
2	115 × 115	80	9	11	50 63 80 100	30
					80 100 125	45
3a	145 × 145	105	9	11	63 80 100	30
					80 100 125 150/160 200	45
3b	145 × 145	105	11	9	63 80 100	30
					80 100 125 150/160 200	45
4a	175 × 175	140	11	17	125 150/160 200 250 300	60
4b	175 × 175	140	14	14	125 150/160 200 250 300	60