

International Standard



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Wheelchairs — Type classification based on appearance characteristics

Fauteuils roulants — Classification par type fondée sur les caractéristiques d'aspect

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Foreword

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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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7930 was prepared by Technical Committee ISO/TC 173, *Technical systems and aids for disabled or handicapped persons*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Wheelchairs — Type classification based on appearance characteristics

1 Scope and field of application

This International Standard specifies a method for classifying and designating different types of wheelchairs and is based on readily evident or easily measured features of a wheelchair.

2 Description of the classification

The classification uses a five-digit code in which each digit specifies particular types within each group. Each classification position shall be separated by a hyphen (e.g. 1-1-1-1-1).

The classification is intended to give a general indication of the wheelchair in terms of its most important features. By the addition of further digits, the classification may be extended to cover additional features or to include test data, as desired.

NOTE — The need to extend the classification may arise in certain countries.

2.1 First digit: Means of propulsion/steering

The means of propulsion/steering of the wheelchair shall be designated according to the following types:

Type 1 Attendant controlled — non-powered

Type 2 Non-powered direct drive on rear wheels, bimanual

Type 3 Non-powered direct drive on front wheels, bimanual

Type 4 Non-powered lever drive, bimanual

Type 5 Non-powered single-sided drive

Type 6 Non-powered foot propulsion

Type 7 Attendant controlled — powered

Type 8 Electromotor for drive, manual steering

Type 9 Electromotor for drive, power steering

Type 0 Others

2.2 Second digit: Area of use based on overall width and wheel diameters

The wheel diameter and overall chair width combination shall be designated as given in table 1.

NOTE — The second digit gives an overall indication of the suitability of a wheelchair for use on any given terrain and the suitability for any given activity of the occupant. Other digits may also have a bearing on these. The number 0 for the second digit shall indicate any special design such as a wheelchair having an overall width exceeding 700 mm.

2.3 Third digit: Seat and backrest adjustments

The combination of seat and backrest adjustments shall be designated as given in table 2.

Table 2

Seat inclination \ Backrest inclination	Not adjustable	Manually adjustable	Power adjustable
Not adjustable	1	4	7
Manually adjustable	2	5	8
Power adjustable	3	6	9

The number 0 for the third digit shall indicate either that the wheelchair is supplied without a seat or a backrest, or that the wheelchair features a fixed angle between seat and backrest, the whole body support system being adjustable.

Table 1

Wheel diameter \ Overall chair width	All wheels less than 260 mm or 1 or 2 wheels less than 180 mm	Large wheels greater than 260 mm; small wheels 180 to 260 mm	All wheels greater than 260 mm
Below 550 mm	1	4	7
550 to 660 mm	2	5	8
660 to 700 mm	3	6	9