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# International Standard



# 6440

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

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## Wheelchairs — Nomenclature, terms and definitions

*Fauteuils roulants — Nomenclature, termes et définitions*

First edition — 1985-12-01

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[ISO 6440:1985](https://standards.iteh.ai/catalog/standards/sist/f5f25bf3-d061-446e-a68d-2e75e5dc0608/iso-6440-1985)

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UDC 615.478.32 : 001.4

Ref. No. ISO 6440-1985 (E)

Descriptors : wheel chairs, vocabulary.

## 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.

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 6440 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.

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# Wheelchairs — Nomenclature, terms and definitions

## 1 Scope and field of application

This International Standard defines the basic elements of wheelchairs (manual, electric and any others) and gives terms and definitions for these elements in an illustrated glossary. It also illustrates the dimensions commonly used to describe wheelchair physical characteristics.

Wheelchairs can be equipped with many accessories and the list given in this International Standard is not exhaustive.

## 2 References

ISO 7176/5, *Wheelchairs — Part 5 : Determination of overall dimensions, mass and turning space.*

ISO 7176/7, *Wheelchairs — Part 7 : Determination of seating dimensions — Definitions and measuring methods.*<sup>1)</sup>

ISO 7193, *Wheelchairs — Maximum overall dimensions.*

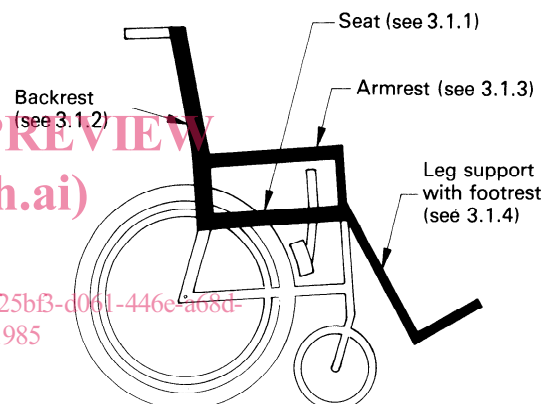
## 3 Definitions

**3.0 basic elements of the wheelchair :** The wheelchair comprises

- body support system
- driving system
- wheels
- frame

**3.1 body support system :** Those parts of the wheelchair which directly support or contain the body of the user.

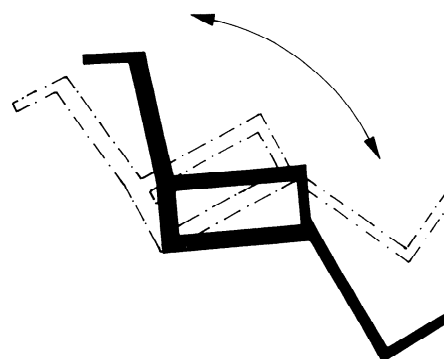
Parts and variations are defined and illustrated as follows :



Accessories are defined and illustrated in 3.1.5.

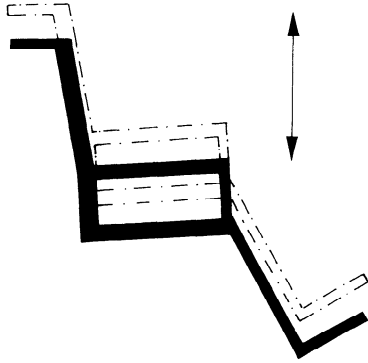
### 3.1.0 Body support variations

#### 3.1.0.1 body support system with adjustable angle :



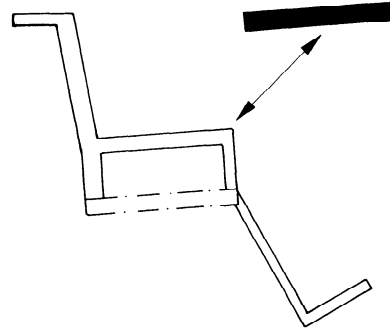
<sup>1)</sup> At present at the stage of draft.

3.1.0.2 body support system that is vertically adjustable :

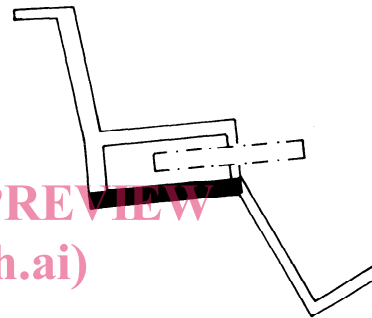


3.1.1 Seat variations

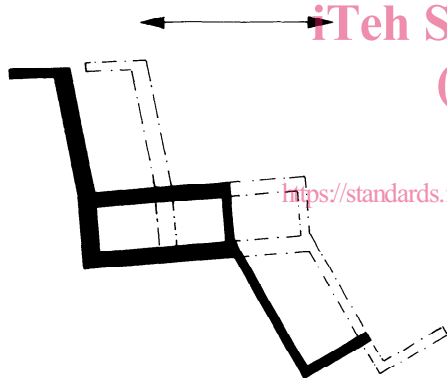
3.1.1.1 detachable seat :



3.1.1.2 adjustable seat, vertically or horizontally :



3.1.0.3 body support system that is horizontally adjustable :

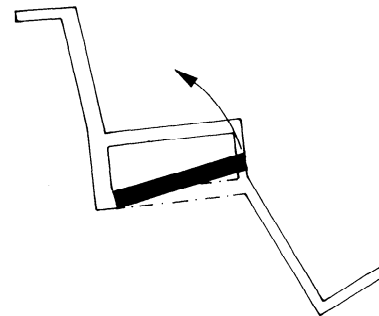


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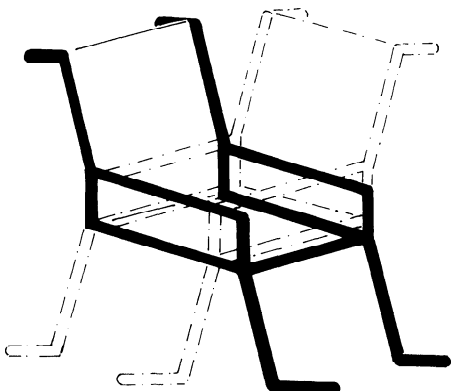
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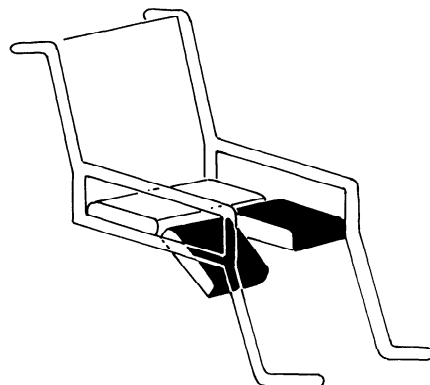
3.1.1.3 seat with adjustable angle (may also be adjustable vertically or horizontally) :



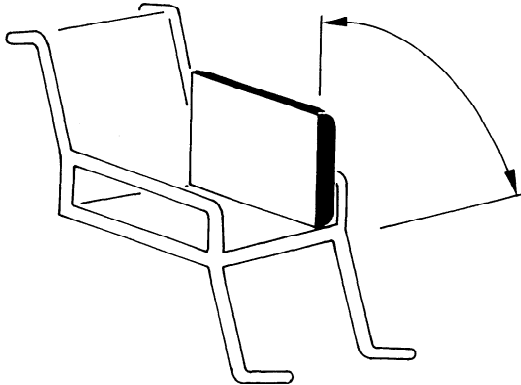
3.1.0.4 pivoted body support system :



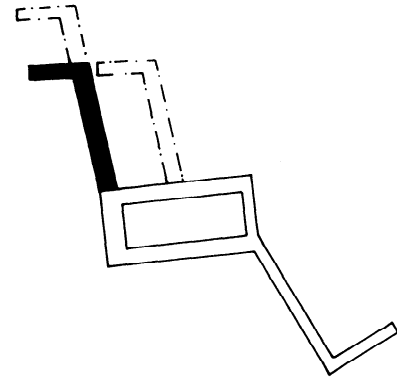
3.1.1.4 divided (coxit) seat :



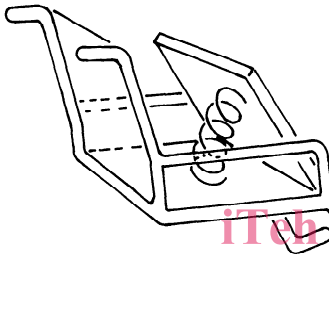
3.1.1.5 folding seat :



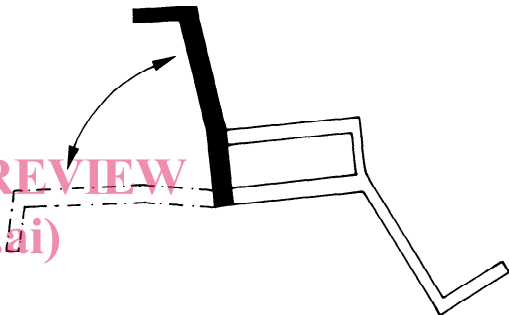
3.1.2.2 adjustable backrest, vertically or horizontally :



3.1.1.6 spring seat :

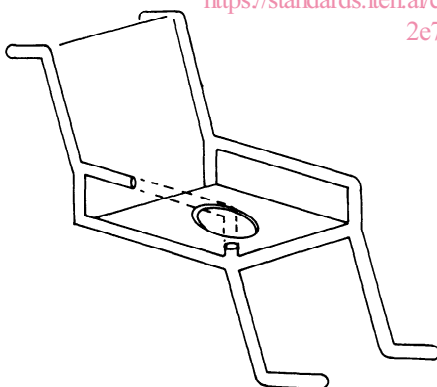


3.1.2.3 backrest with adjustable angle (may also be adjustable vertically or horizontally) :



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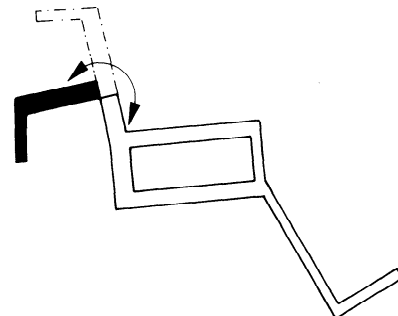
3.1.1.7 toilet seat :



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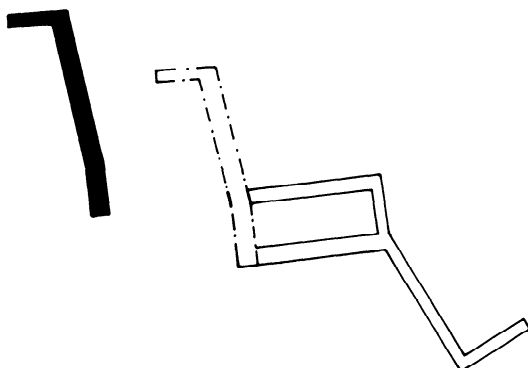
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3.1.2.4 folding backrest :



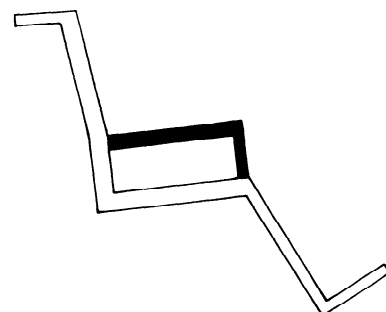
3.1.2 Backrest variations

3.1.2.1 detachable backrest :

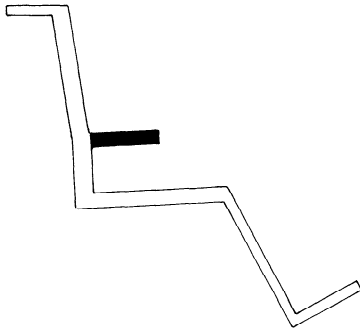


3.1.3 Armrest variations (with or without clothes protectors)

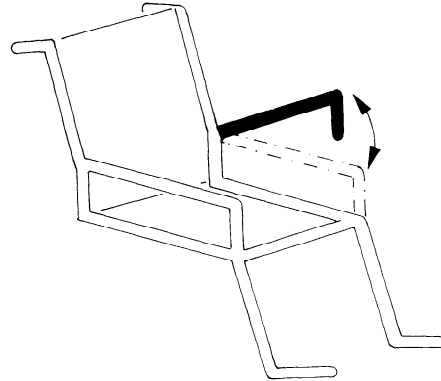
3.1.3.1 full length armrest, fixed or detachable :



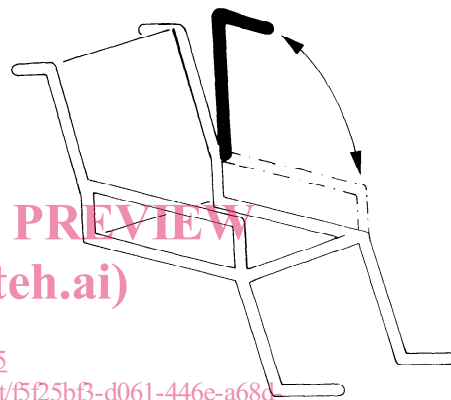
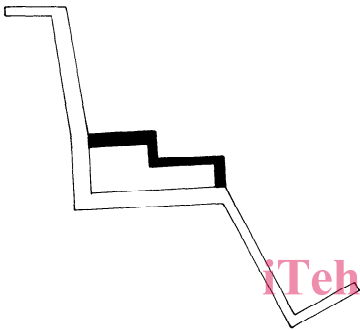
3.1.3.2 desk armrest, fixed or detachable :



3.1.3.5 pivoting armrest, full length or desk :



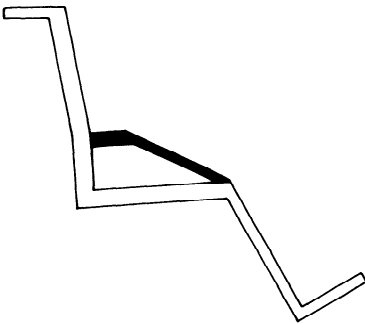
3.1.3.6 lifting armrest, full length or desk :



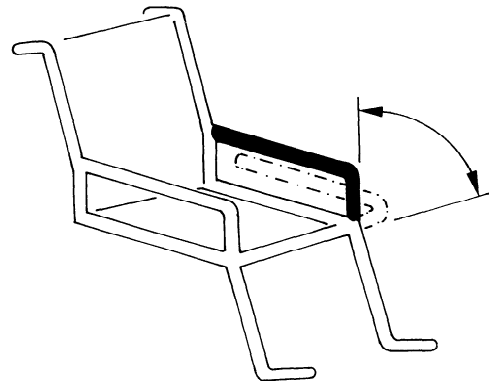
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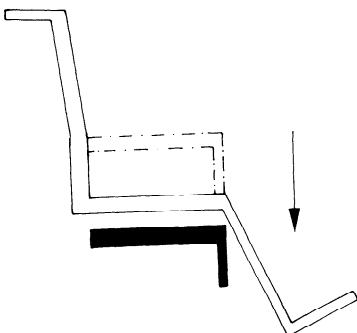
3.1.3.3 inclined armrest, fixed or detachable : <https://standards.iteh.ai/catalog/standards/sist/f5f25bf3-d061-446e-a68d-2e75e5dc0608/iso-6440-1985>



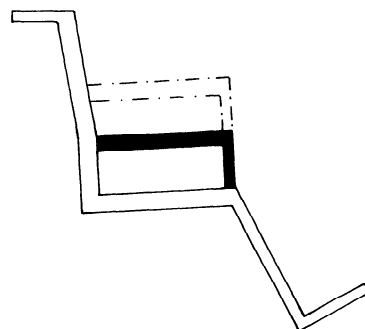
3.1.3.7 side-folding armrest, full length or desk :



3.1.3.4 armrest that can be lowered :



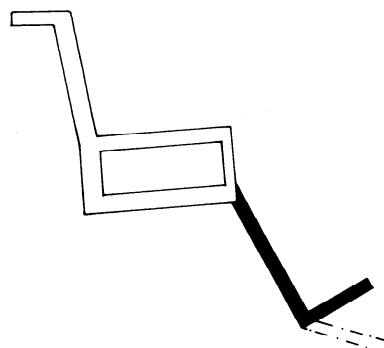
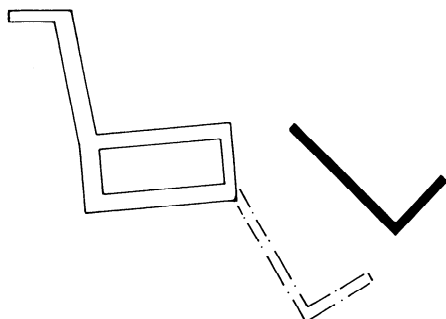
3.1.3.8 vertically adjustable armrest, full length or desk :



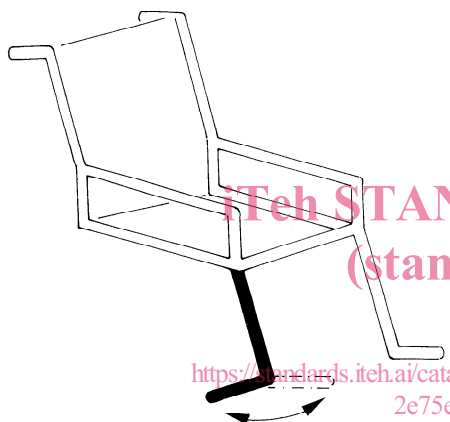
3.1.4 Leg support variations

3.1.4.5 leg support with adjustable footrest :

3.1.4.1 detachable leg support :



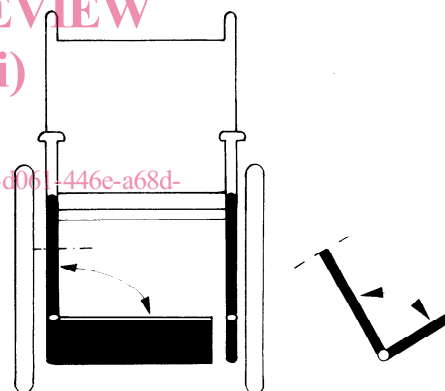
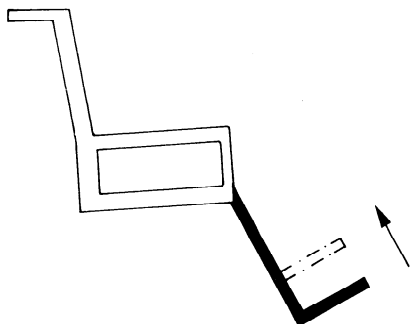
3.1.4.2 pivoted leg support :



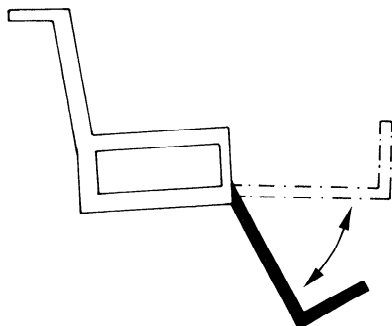
3.1.4.6 folding whole footrest :



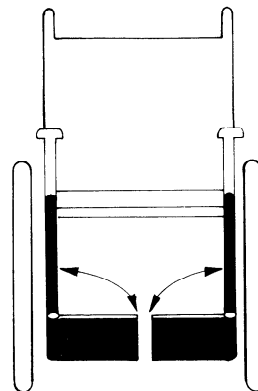
3.1.4.3 leg support with adjustable length :



3.1.4.4 leg support with adjustable angle :



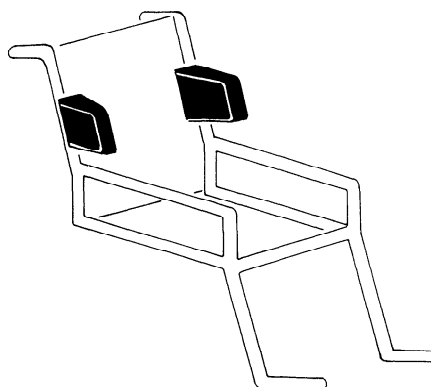
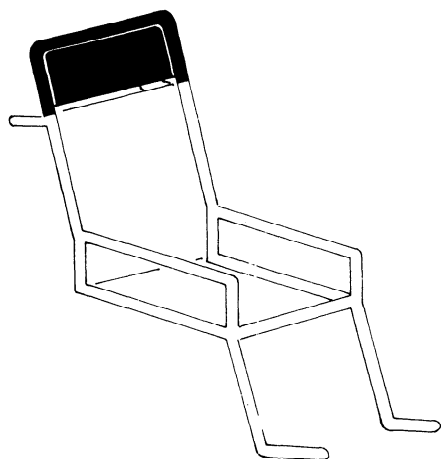
3.1.4.7 folding divided footrest :



3.1.5 Accessories

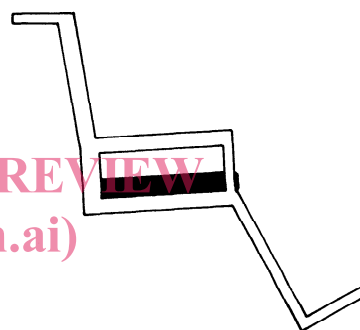
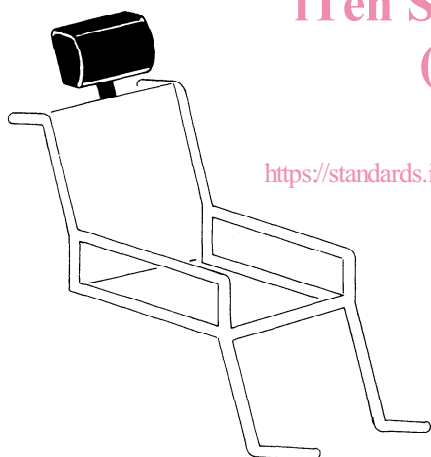
3.1.5.4 body side support :

3.1.5.1 backrest extension :



3.1.5.5 seat cushion :

3.1.5.2 headrest :

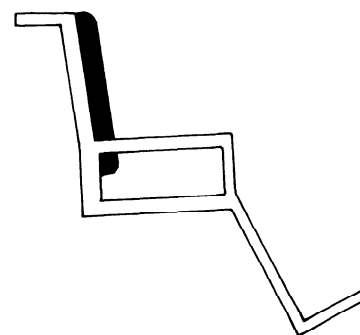
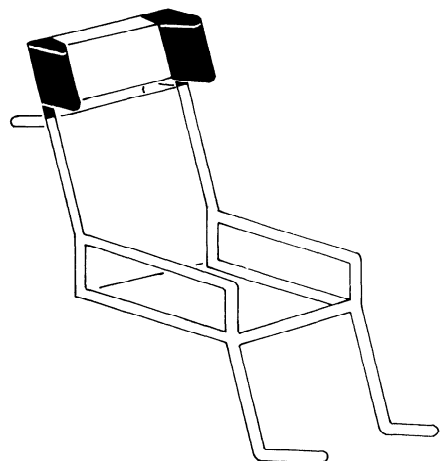


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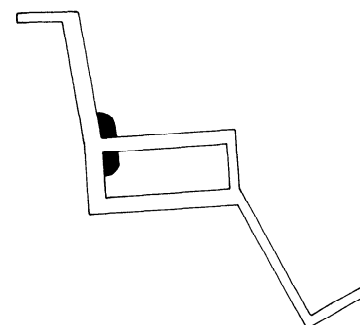
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3.1.5.6 backrest cushion :

3.1.5.3 head side supports :

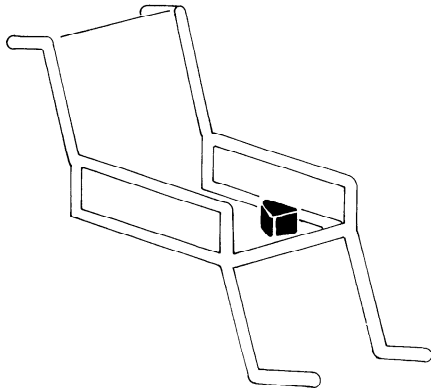


3.1.5.7 lumbar support :

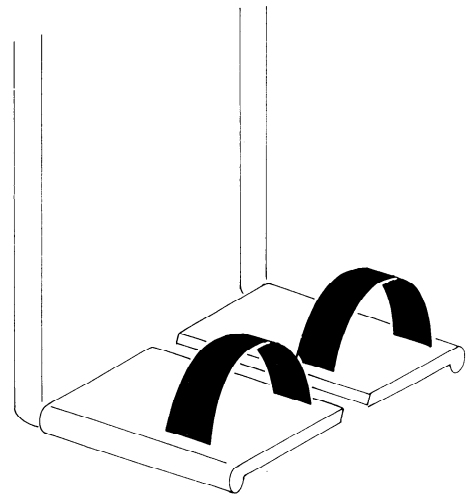




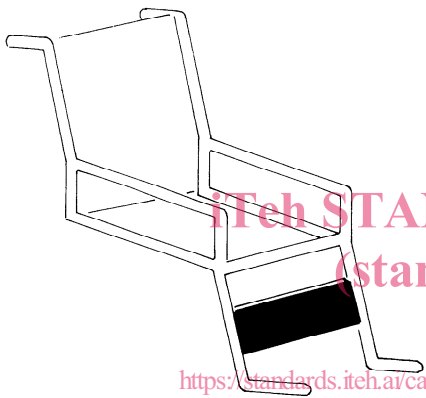
3.1.5.8 leg dividing support :



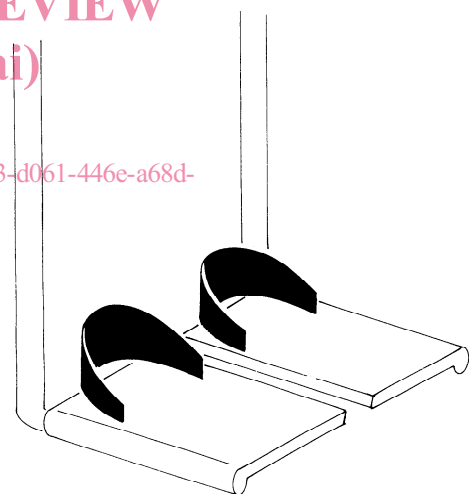
3.1.5.12 toe strap :



3.1.5.9 whole calf support :

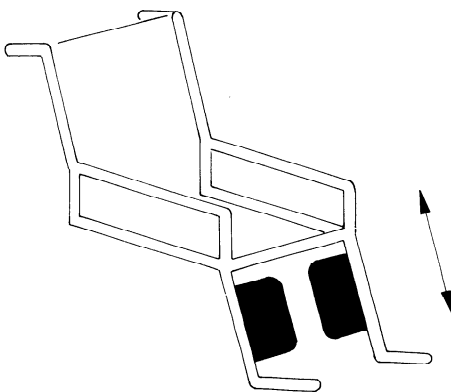


3.1.5.13 heel support :

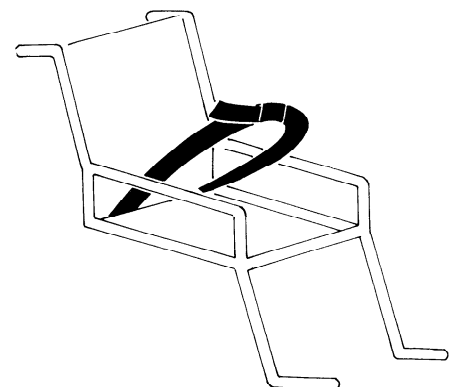


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3.1.5.10 divided calf support (adjustable in height) :



3.1.5.14 seat belt :



3.1.5.11 calf support adjustable in depth :

