

# Chapter 10

## Handles and grip

### Accessible Standard

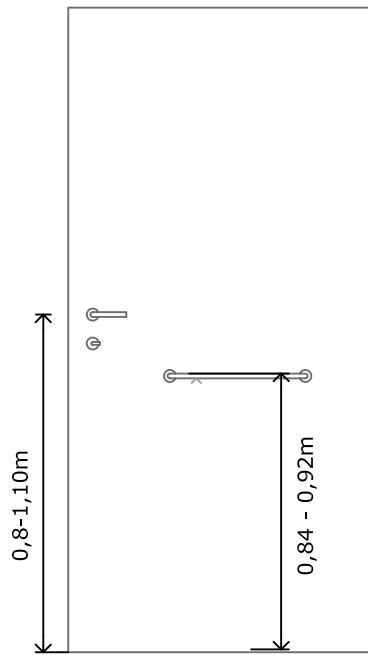


Fig. 10.3



Fig. 10.2



Fig. 10.1

# Chapter 10

## Handles and grip

### Accessible Standard

#### **(10.1) PLANNING PRINCIPLE**

To enable a person with weak or deformed arms to be in position to open or close the door without any difficulty.

#### **(10.2) HANDLES AND GRIPS**

Handles and grips in public places should meet the following requirements:

The door operation devices, handles and grips, should be easy to grasp and rotate with one hand without any difficulty, preferably pull handles that are not heavy to pull down (See fig. 10.1).

Door handles should be located at a comfortable height between 0.80-1.1m from the floor surface.

The mechanism of operationalising the door handle and locker should allow a user to operate each at a time with one hand and not at the same time because some persons with disabilities have only one hand.

Door handles should be minimum 0.10m long and the space between the handle and the door should be 0.05m.

Knob handles are always unsuitable for use by people with weak arms or hands.

#### **(10.3) LOCKS**

The locking handle should have a shape that is easy to grasp with one hand. (See Chapter 10. about Handles)

Locks should be located at a comfortable height between 0.90-1.00m from the floor surface.

L shaped Locker design is recommended on doors. (See fig 10.1)

#### **(10.4) PUSH BUTTONS**

The push buttons on automatic doors should be located at a comfortable height between 0.90m-1.20m from the floor surface.

#### **(10.5) RING / ALARM**

Ring/alarm bottom should be positioned at a comfortable maximum height between 0.90-1.20m from the floor surface.

#### **(10.6) PULL HANDLE**

In toilets, the door should be provided with a “pull handle” on the pull side, at a comfortable maximum height between 0.84-0.92m (See fig 10.3).

# Chapter 11

## Public operated machines

### Accessible Standard

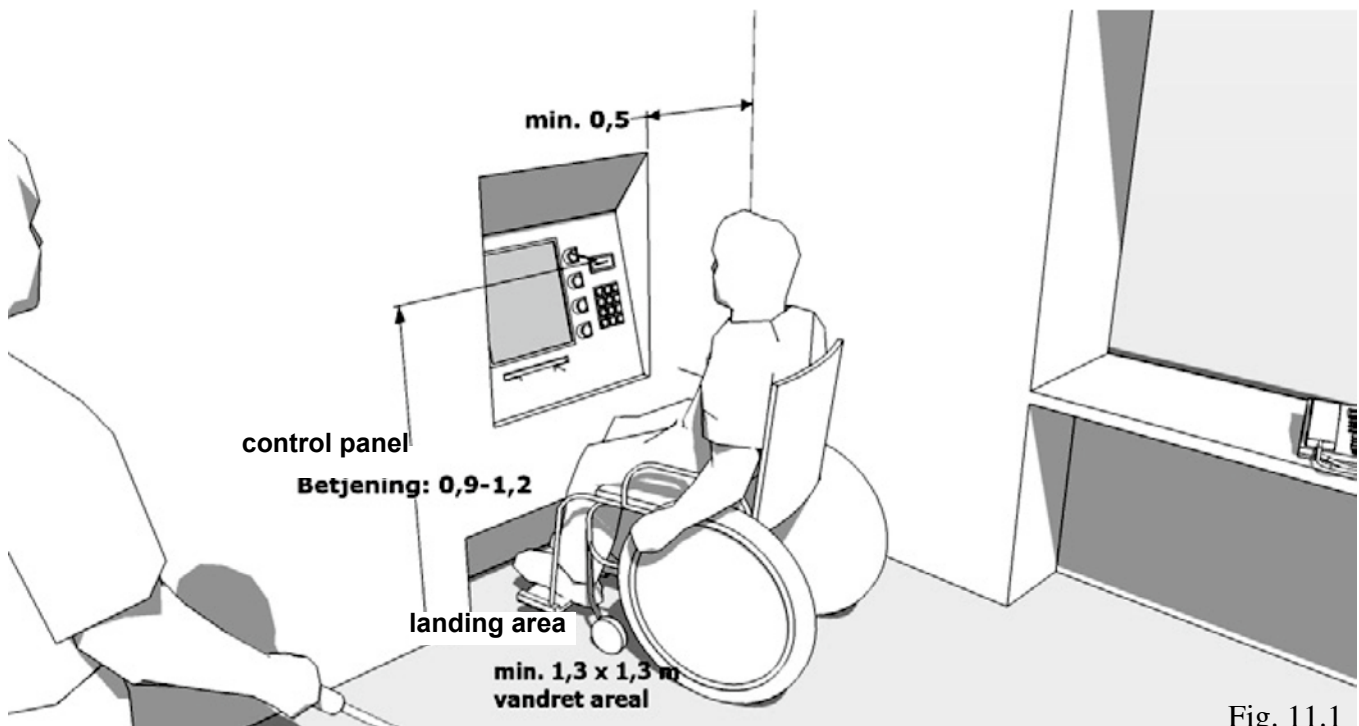


Fig. 11.1

#### (11.1) PLANNING PRINCIPLE

Public operated machines should be placed in a comfortable position so that they are user-friendly to the elderly and persons with disabilities.

#### (11.2) ACCESS

Machines should be connected with accessible pathways and where there are steps, a standard ramp should be constructed.

#### (11.3) SURROUNDING AREA

The landing area in front of the machines should be minimum dimension of 1.30x1.30m and horizontal.

#### (11.4) CONTROL PANELS

Public operated machines, like the ATM Machines should be installed in a way that the control panel is placed at a maximum height between 0.90–1.20m from the ground floor.

If the machine is next to an inside corner, the distance from the machines to the inside corner should be minimum 0.50m.

#### (11.5) COUNTERS

Counters in banks should be positioned at a maximum height between 0.90-1.20m from the floor surface.

#### (11.6) AUDIO INSTRUCTIONS

It is preferably advised to incorporate audio instruction in the operationalisation of the machine for the benefit of people with visual impairment.