

Where are Accessible Toilets Required

Every building that has toilet facilities must provide accessible toilets.

Wherever possible there should be an accessible toilet near to the main entrance either in the foyer or a short distance from the entrance.

Each toilet block must either have a wheelchair accessible toilet or provide a separate Unisex wheelchair accessible toilet nearby.

There are three types of Accessible Toilet; Type A, Type B, and Ambulant (as per the diagrams)

- The primary preferred type in any building should be a Type A. This type provides both left and right side access to the commode with extra space on both sides and folding handrails on both sides.
- If there are more toilets provided in other areas/floors, then as a minimum at least one Type B should be provided if a Type A is not provided. This type of toilet provides EITHER left side OR right side access to the commode. On one side the handrail will be fixed to the wall and the other will be folding.
- Additional to the Type A or Type B, the first cubicle in any toilet block should be an Ambulant type.
- All other toilets can be without any accommodation for persons with disabilities.

Type A Dimensions (NBC B-9.2.2.a)

2200 mm (width) x 2300 mm (front to back).

Type B Dimensions (NBC B-9.2.3.2.b)

1700 mm (width) x 2000 mm (front to back).

Ambulant Type Dimensions (NBC B-9.3.a)

900 mm door width and a minimum 900 mm clear space in front of commode.

Minimum Clear Manoeuvring Space (NBC B-9.2.1)

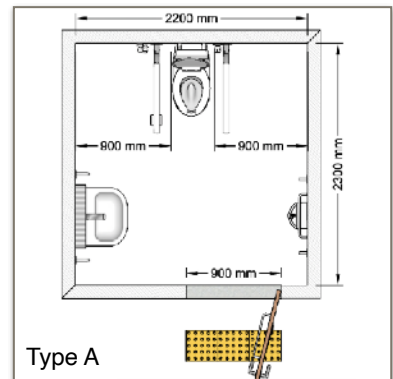
A minimum of 1500 x 1500 mm, or 1500 mm diameter in front of the commode and wash basin whereas the preferred size is 1800 mm did.

Toilet Room Door (NBC B-9.4)

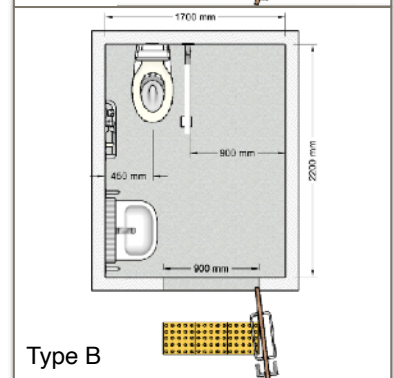
The toilet door should be either an outward opening door, two-way opening door or a sliding type and should provide a clear opening width of at least 900 mm.

It should have a horizontal pull-bar, at least 600 mm long on the inside of the door, 130 mm from the hinged side of the door and at a height of 1000 mm.

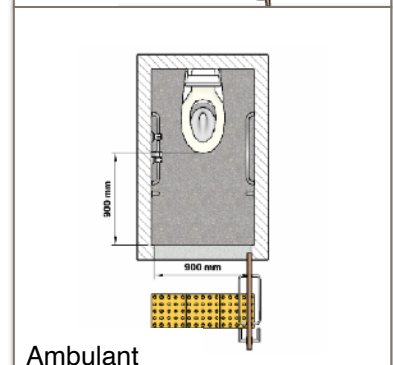
Door should lock on the inside by a device that is operable by one hand, activated by a force not more than 22 N and which does not require fine finger control, tight grasping or twisting of the wrist.



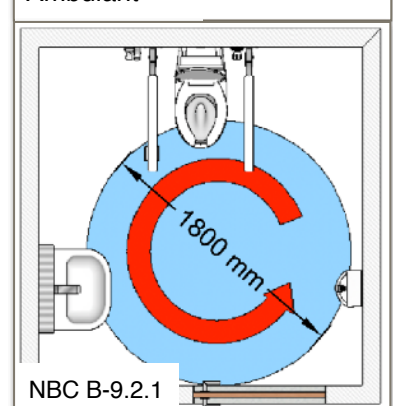
Type A



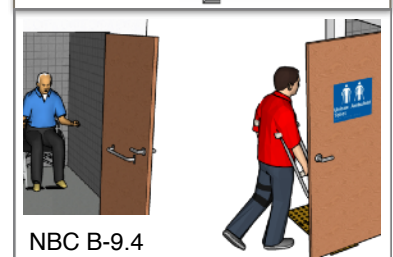
Type B



Ambulant



NBC B-9.2.1



NBC B-9.4

Commode/Toilet Seat Height from the Floor (NBC B-9.5.b)

The commode seat will be between **450 - 480 mm** from the floor.

Distance from the Adjacent Wall (NBC B-9.5.a)

In Type B the centre line of commode will be **460 - 480 mm**.

Back Support (NBC B-9.5.e)

The commode should have a suitable back support to reduce the chance of imbalance or injury caused by falling or leaning against exposed valves or pipes.

Minimum Floor Space Around Commode (NBC B-9.5.d)

In Type A and Type B provide a space of **1300 mm depth** and **900 mm width**, both in front and on the lateral transfer side, adjacent to the commode.

Flushing Control (NBC B-9.5.g)

This should either be lever type or automatic and located on the transfer side of the commode. The flush control should not be located more than **1000 mm** from the floor.

Grab Bars (NBC B-9.6)

All grab bars should be **38 - 45 mm** in diameter. The minimum space from the wall to the grab bar should be **50 mm**. All grab bar should have a capacity to take the static load of **250 kg**. Horizontal grab bars should be **320 mm** from the centre of the toilet. At a height of **200 - 250 mm** from the top of the commode seat. They should extend **100 - 150 mm** beyond the front of the commode.

Foldable/hinged Grab Bars (NBC B-9.6)

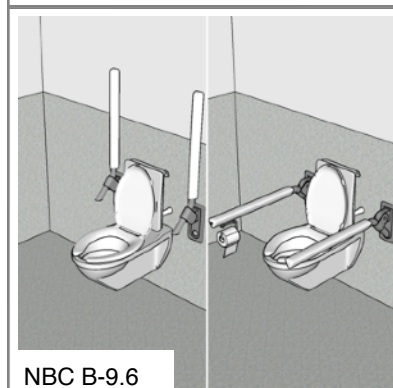
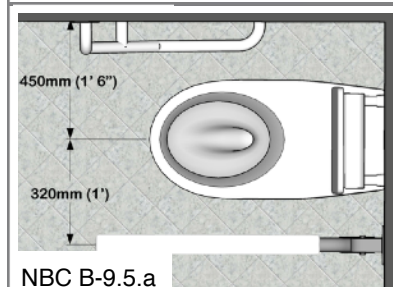
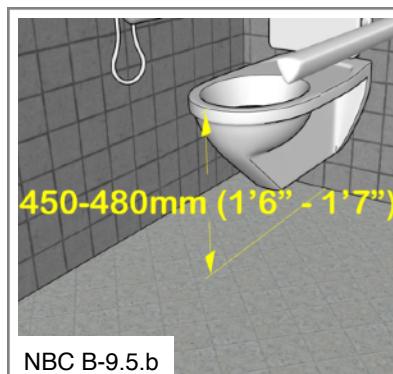
A hinged type horizontal grab bar should be installed on both sides of the commode for Type A. In Type B the open for lateral transfer will have a folding grab bar.

Fixed Grab Bars (NBC B-5.5.3)

When one side of the commode is adjacent to the wall there should be an L-shape grab bar. It should be **600 mm** long horizontally and **700 mm** long vertically.

Fixtures (NBC B-9.8)

Toilet paper, towel rail, soap dispensers and hand dryer should be positioned such that the operable parts and controls are between **800 - 1000 mm** from the floor. These should be placed close to the basin.



Washbasin (NBC B-9.7)

The top of the washbasin should be between **800 - 840 mm** from the floor. It should be mounted such that the minimum distance between the centreline of the fixture and the side wall is **460 mm**.

Manoeuvring Space in front of Washbasin (NBC B-9.7.a)

A **900 mm wide** by **1200 mm deep** clear space, of which a maximum of **480 mm** in **depth** may be under the wash basin.

Knee and Toe Space under Washbasin (NBC B-9.7.d)

A knee space at least **750 mm wide** by **200 mm deep** by **680 mm high** should be provided underneath the washbasin. Toe space of **750 mm wide** x **230 mm deep** x **230 mm high**.

Cloth Hook (NBC B-9.8)

The cloth hook should be Mounted on a side wall not more than **1200 mm** from the floor and projecting not more than **40 mm** from the wall.

Alarm Call Bell (NBC B-9.12)

An emergency alarm cum call switch should be provided within easy reach on the wall near commode at two levels: at **300 mm** and at **900 mm** from the floor level to allow the user to call for help in case of an emergency.

Colour Contrast (NBC B-5.5.2.1.f)

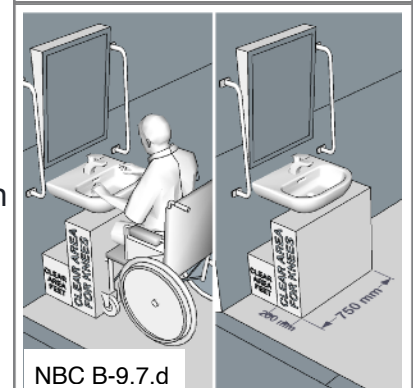
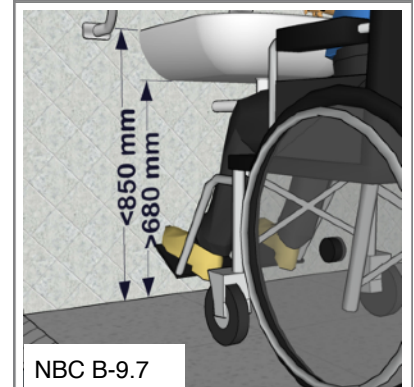
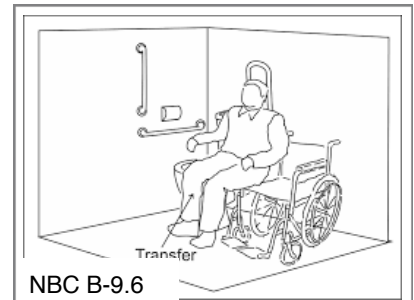
There should be adequate colour and the tonal contrast between the fixtures, walls and the flooring. This is to enable easy recognition by persons with visual impairments.

Dimensions of Shelf (NBC B-9.7.k)

A shelf **400 mm x 200 mm** fixed at a height of **900 - 1000 mm** from the floor.

Mirror (NBC B-9.7.i)

The bottom edge should be at a height of not more than **1000 mm** from the floor and the mirror shall be tilted at an angle of **30°** for better visibility of wheelchair user. Care shall be taken in placing mirrors and lights to avoid confusion and dazzling for the visually impaired.



Toilets

Establishment Name Building Name		Address			
Sn	Description	Required	Y/N	Actual	Notes
01. 05. 01	Type A Toilet Dimensions: Unisex room apart from M/F toilets.	Type A: 2200 x 2000 mm Type B: 2200 x 1700 mm			
01. 05. 02	Ambulant Toilet Dimensions:	Min width: 1000 mm Min length: 2500 mm			
01. 05. 03	Minimum Turning Space: Space required for turning.	Type A: 1800 mm Type B: 1500 mm			
01. 05. 04	Toilet Seat Height: From the level of the floor to the toilet seat.	Height: 450-480 mm			
01. 05. 05	Toilet Seat Distance from Wall: The distance from an adjacent wall to the centreline of the toilet seat.	Distance: 460-480 mm			
01. 05. 06	Back Support: There should be a suitable back support	Back Support firmly fixed to wall			
01. 05. 07	Minimum Floor Space Around Commode: On at least one side and in front of the Commode.	Facing: 1350 mm Width: 900 mm			
01. 05. 08	Flushing Control: Should be lever type, not button type.	Height: 1000 mm			
01. 05. 09	Grab Bars: Standard grab bars should be used.	Grab Bar Dia: 38 - 45 mm Load Force: 1.7 kN			
01. 05. 10	Wall Mounted Grab Bars: On both sides. If the commode is next to wall a fixed rail will be there.	Wall Clearance: 50 mm From Commode Centre: 375 mm			
01. 05. 11	Folding Grab Rail Position: On any open side there will be folding hand-rail.	Height from Seat: 200 - 300 mm From Commode Centre: 330 - 380 mm			
01. 05. 12	Toilet Door Dimensions: Allow wheelchair entrance,	Min Width: 900 mm Grab and Handle Height: 1000 mm			
01. 05. 13	Toilet Door Features: Door should be easy to open. Lever type door handle. Lever type latch locking handle.	Open: Outward/Sliding Opening Force: < 20 N Grab rail: Horizontal inside Lock handle: Lever type			
01. 05. 14	Washbasin: Should be without obstacles under the bowl. Grab rails on either side.	Height under Bowl: 680 - 750 mm Top Height: 800 - 850 mm			
01. 05. 15	Clearance around Washbasin: Sufficient clearance to move around in wheelchair.	Width: 900 mm Facing WB: 1200 mm Under WB: 450 mm			
01. 05. 16	Other:				