

LADDER COMPLIANCE.

Clearances, cages and mid-landings



Rung-type Ladders

Aluminium ladders with walk-off kits are utilised when permanent fixed access is required to the building roof, or other elevated areas, and mid/change-of-direction landings can also be added depending on the overall height required.

COMPLIANCE NOTES

- Monkeytoe recommends a cage on ladders 3.5m and above as a guideline, however code does not strictly require it until 6m
- Monkeytoe recommends a mid-change-of-direction landing every 6m on caged ladders in compliance with AS1657, however within the NZBC there is allowance to go to 9m without a mid/change-of-direction landing
- Cages/ladders must extend nothing less than 1000mm above the landing
- Rung-type ladders can be installed between 70 - 90deg. pitch
- Distance between ladder rungs must be between 250 - 300mm, and uniform throughout
- See minimum clearances for rung-type ladders (figure 1, pg. 2)
- Monkeytoe recommends ladder cages begin at a height of 2 - 2.2m in accordance with AS1657 for reasons of practicality and increased safety. NZBC recommends ladder cages begin at 2.5m

PRODUCT CERTIFICATION

Designed in accordance with:



AS/NZ 1657



AS/NZS 1891



OHS codes of practice



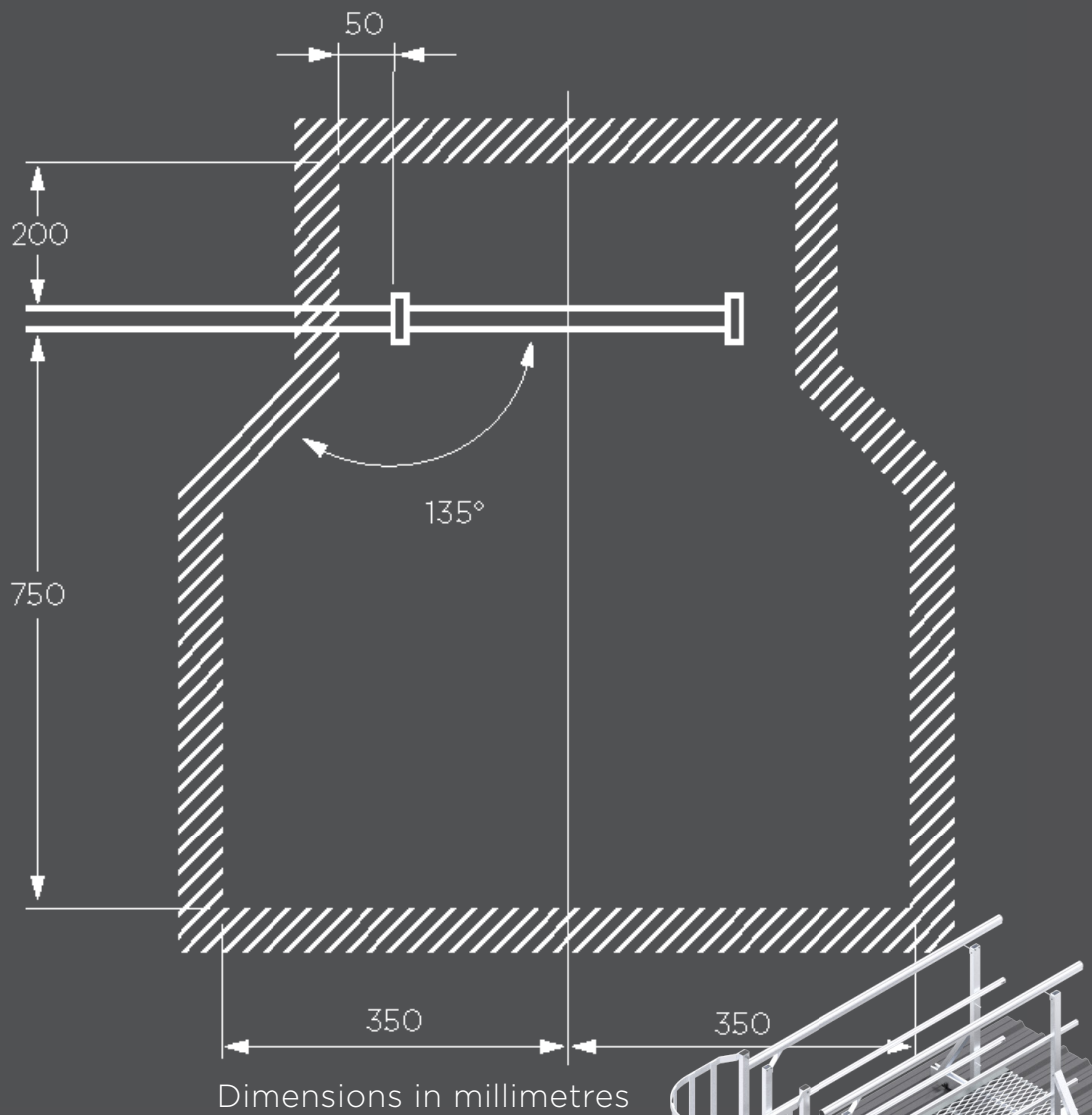
AS/NZ 1170



**B1 Building Code -
Structure Durability**

FIGURE 1.

TYPICAL MINIMUM CLEARANCES FOR RUNG-TYPE LADDERS.



Step-type Ladders

An aluminium step-type ladder provides access to a roof or elevated area and is typically used in cases whereby access space is scarce. These ladders can be between 60 - 70deg. in pitch and are often utilised in service rooms up to an access hatch.

COMPLIANCE NOTES

- Installed between 60 - 70deg.
- Cages are required 6m or above
- Where the height of the step-type ladder exceeds 6m, a change-of-direction or 1.5m landing will need to be introduced
- Step treads are to be a minimum of 100mm with the top tread 150-200mm
- See step-type ladder requirements (figure 2, pg. 4)

PRODUCT CERTIFICATION

Designed in accordance with:

 **AS/NZ 1657**

 **AS/NZ 1170**



FIGURE 2.

ACCEPTABLE SLOPES FOR WALKWAYS, STAIRWAYS, AND FIXED LADDERS.

