

# Up and down the stairs, independently and safely

## A good handrail is essential in an age-adaptable living environment.

The 3505-3508 and 3550-3553 series handrail brackets meet accessibility standards in all European countries, including Germany, France, Belgium and the Netherlands.

They ensure that the user is able to hold on to the handrail properly and without interruption while moving. There are no obstacles in the way and the hand has plenty of space between the handrail and the wall. (50 mm)

The handrail will fully comply with accessibility standards if the following standards have also been met.

- The height of the top of the handrail is 850 - 900 mm measured from the nose of the step.
- A handrail continues for 300 mm beyond the end of the stairs and on the intermediate landings.
- The end of the handrail, which is freely suspended, is angled towards the wall or the ground.
- The handrail is preferably round or oval.
- The diameter of the handrail is between  $\varnothing$  40 mm and  $\varnothing$  50 mm.
- A (rectangular) handrail has no sharp corners.

### Relevant standards

- IT Standards 2018 (H4.C01) (NL)
- NEN 1814:2001 (NL)
- DIN 18040-1 Öffentlich zugängliche Gebäude (D)
- DIN 18040-2 Wohnungen – nullbarriere (4.3.6 Treppen) (D)
- FD CEN/TR 15894 (B3.4.3) (Fr)
- TV 198 (2.4.2) (B)
- NBN NEN 3509 (B)
- 2010 ADA Standards (505 Handrails) (USA)
- UN Design Manual (2003)

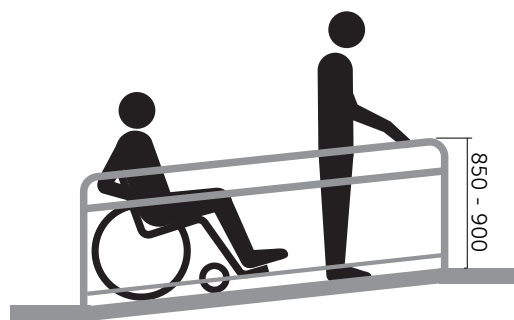
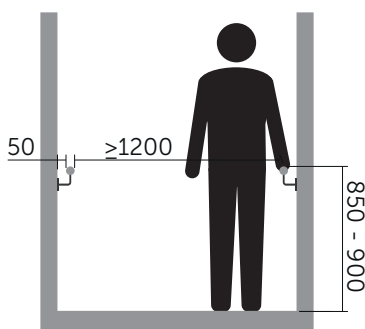
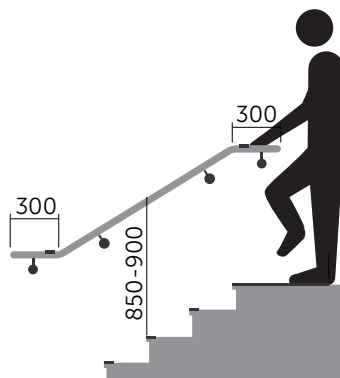


### Certification handrails 3505-3508 and 3550-3553

ITS certified (3B-113-011)

TÜV certified (2400-B-606)

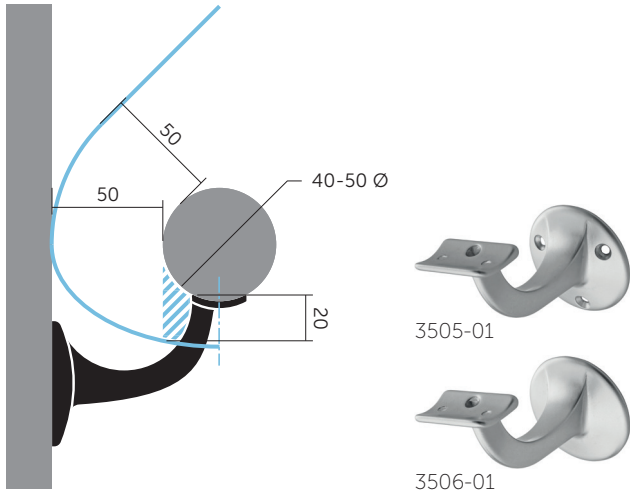
Cradle-to-cradle silver certified (3692)



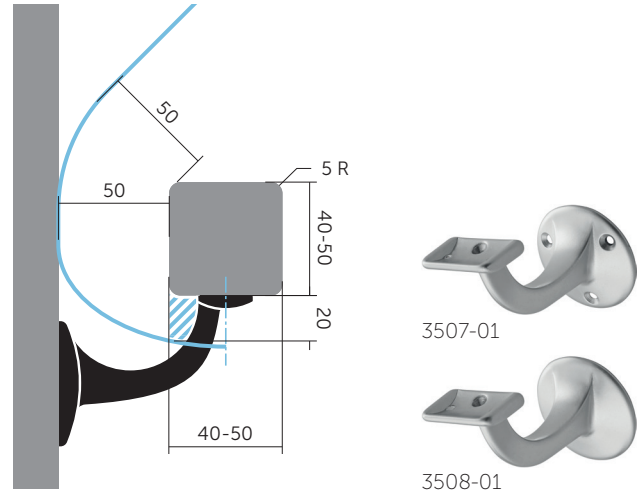


# Handrail brackets dimensioned for accessibility

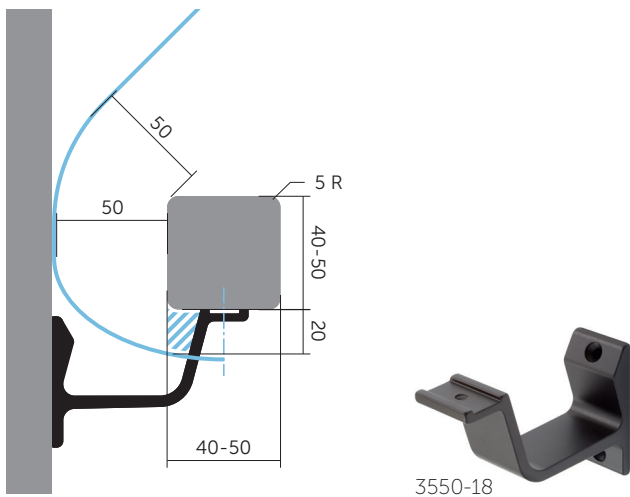
handrail bracket 3505 - 3506



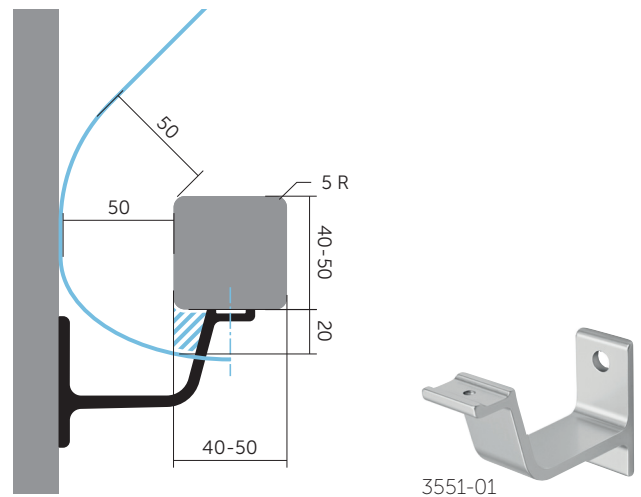
handrail bracket 3507 - 3508



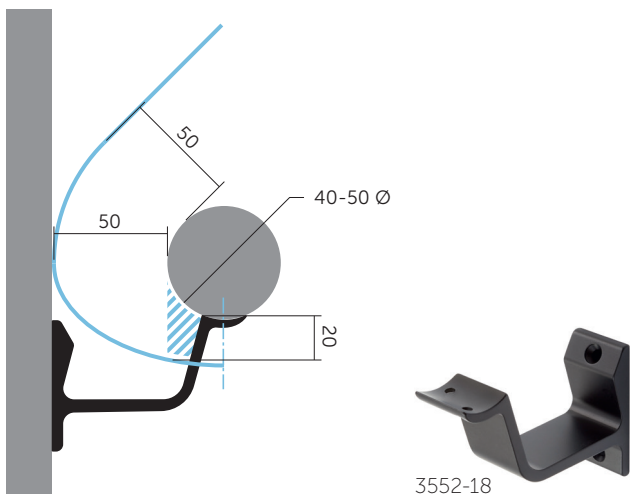
handrail bracket 3550



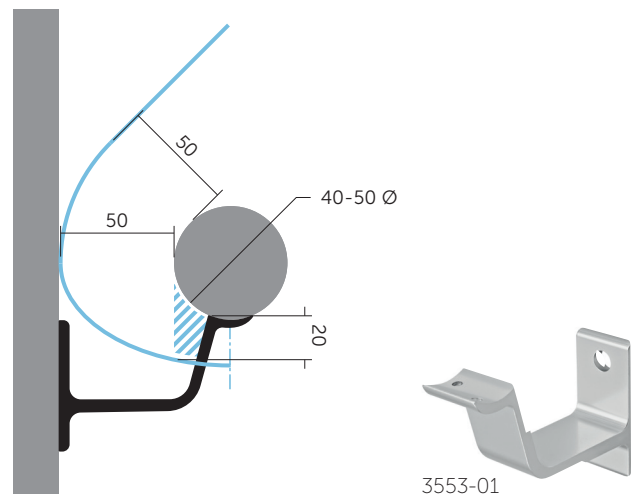
handrail bracket 3551



handrail bracket 3552



handrail bracket 3553



- enough space for the hand
- enough space for fingers to hold the handrail securely