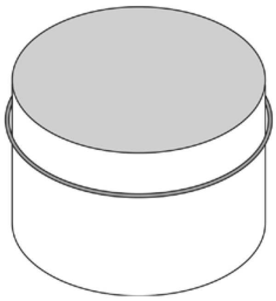


# Instructions for use

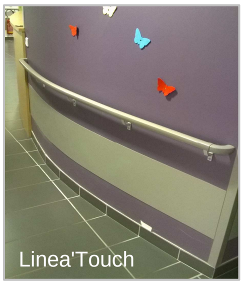
## Special products

# Curved handrails

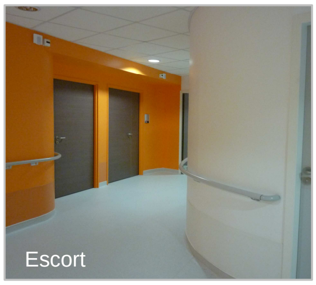
## 1. APPLICATIONS

In our application is an elastic deformation of an aluminium section.
Curving of Starline, Linea'Touch and Escort handrails to fit in different building layouts

Starline



Linea'Touch



Escort

**Remark**

Performer handrail is not curveable for these reasons:

- aluminium and PVC profile are very wide and rigid
- impossible to clip the PVC profile even if you manage to bend the aluminium profile

## 2. AVAILABLE CURVATURE LIMITS

| PRODUCTS | MINIMUM CURVATURE RADIUS (1) | MAXIMUM CURVATURE RADIUS (2) |
|---|---|---|
| **ESCORT** PVC sheathed or Decowood | 2m | 12m |
| **ESCORT** anodised or coated | 0.4m | 12m |
| **STARLINE** PVC sheathed with PVC band | 3m | 12m |
| **STARLINE** anodised with PVC, wood or trend effect band | 0.4m | 12m |
| **LINEA'TOUCH** PVC sheathed or Decowood | 2m | 12m |
| **LINEA'TOUCH** anodised or coated | 0.4m | 12m |
| **LINEA'TOUCH+** PVC sheathed or Decowood | 2m | 12m |
| **LINEA'TOUCH+** anodised or coated | 0.4m | 12m |

(1) Minimum curvature radius = tightest curve radius
(2) Maximum curvature radius = the curve radius beyond which no curving is necessary

Remark: for curvature radii below 2 metres, the curved handrails are mounted on special narrow brackets.



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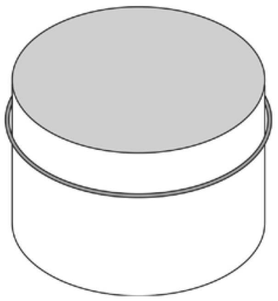
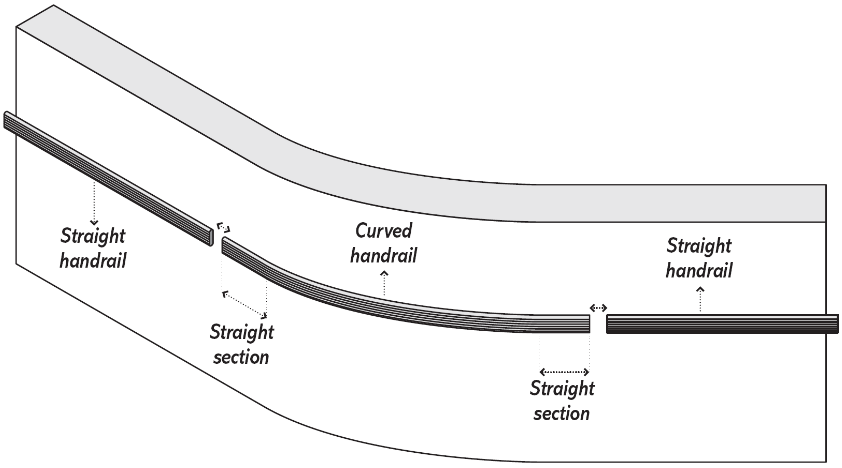




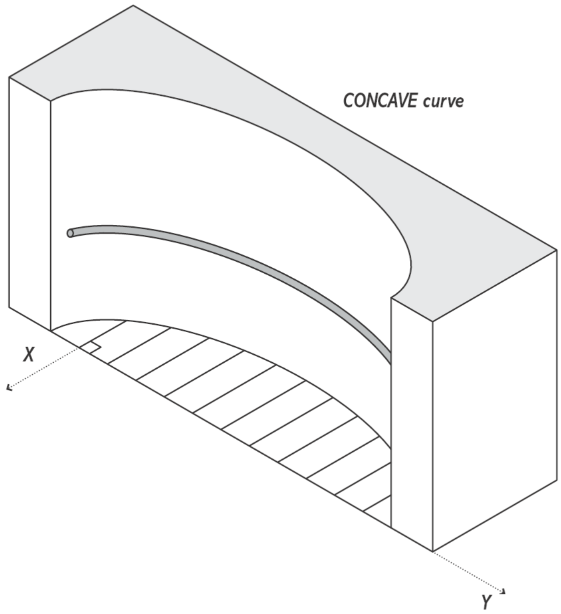
## 3. RECOMMENDATION

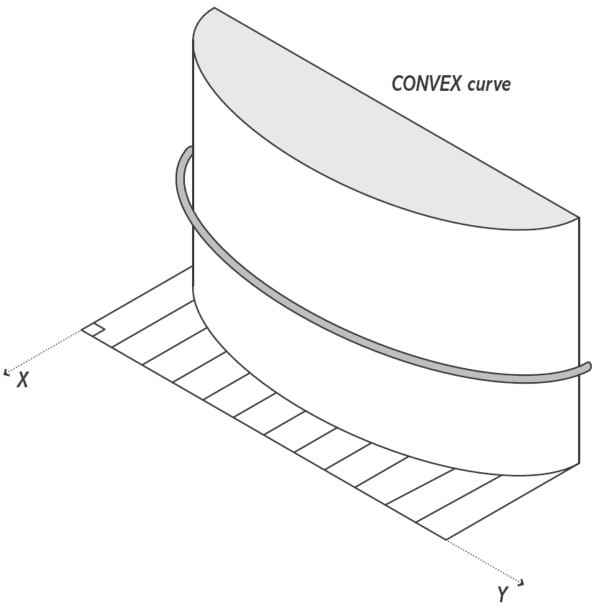
Where curved handrails are installed in a run with straight handrails, the curved part is terminated with straight sections at each end in order to achieve a smooth junction




Curved handrails are manufactured using templates manufactured in-situ.
The procedure below is used to establish the size of the template:

- Draw a reference line on the floor whose X-X axis is a line tangential to the radius (for convex curves) or the line of the chord across the curved section (for concave curves).
- Now draw several lines in towards the curve of the wall, at 200 mm intervals, perpendicular to the X-X axis.
- Now draw up a table showing the x and y values for each line.







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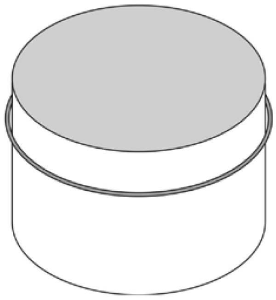
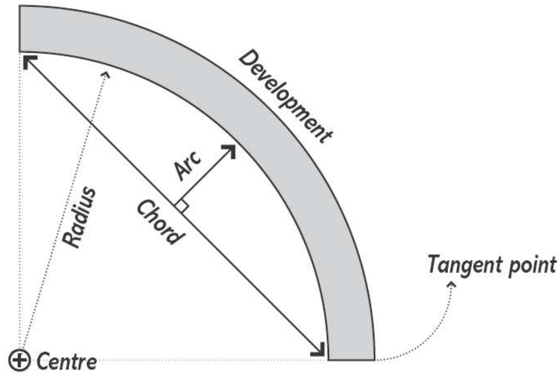


# Instructions for use

### Special products

## Curved handrails

**Reminder**




Development of a circle: 2 x π x radius

Development of a half circle: π x radius

Development of a quarter circle: π x (radius/2)



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