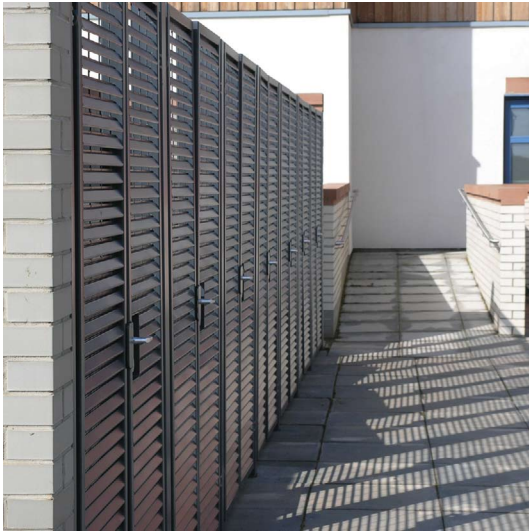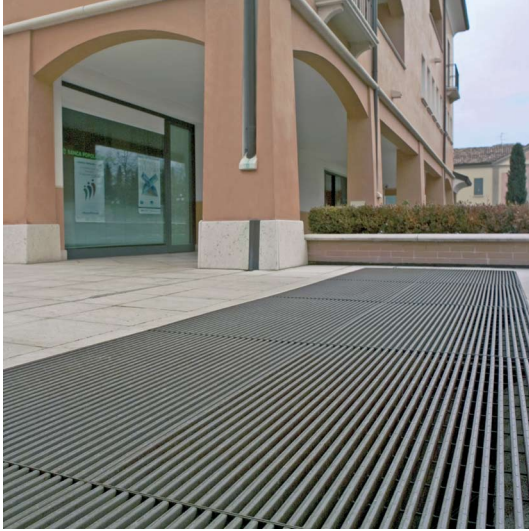# LANG FULTON

Electrofused Grating Products

ManufacturingTolerances

Dimensional Tolerance of Panel
In respect of nominal sizes, the difference should not exceed the tolerances indicated as follows:

Panel Length (span) X
[x] tolerance on length
where $X \leq 2000mm$
x max = +0/-4mm

where $X > 2000mm$
x max +0/-0.002 x Xmm

Panel Width Y
[y] tolerance on width
where $Y \leq 1000mm$
y max = +0/-6mm

where $Y > 1000mm$
y max + 0/-0.006 x Ymm

Panel Diagonals $D_1 D_2$
[d] tolerance on the diagonal
where $X \leq 2000mm$
d max = $D_1 - D_2 = \pm 6mm$
where $X > 2000mm$
d max = $D_1 - D_2 = 0.003$ x Xmm

Bearing Bar Centres A

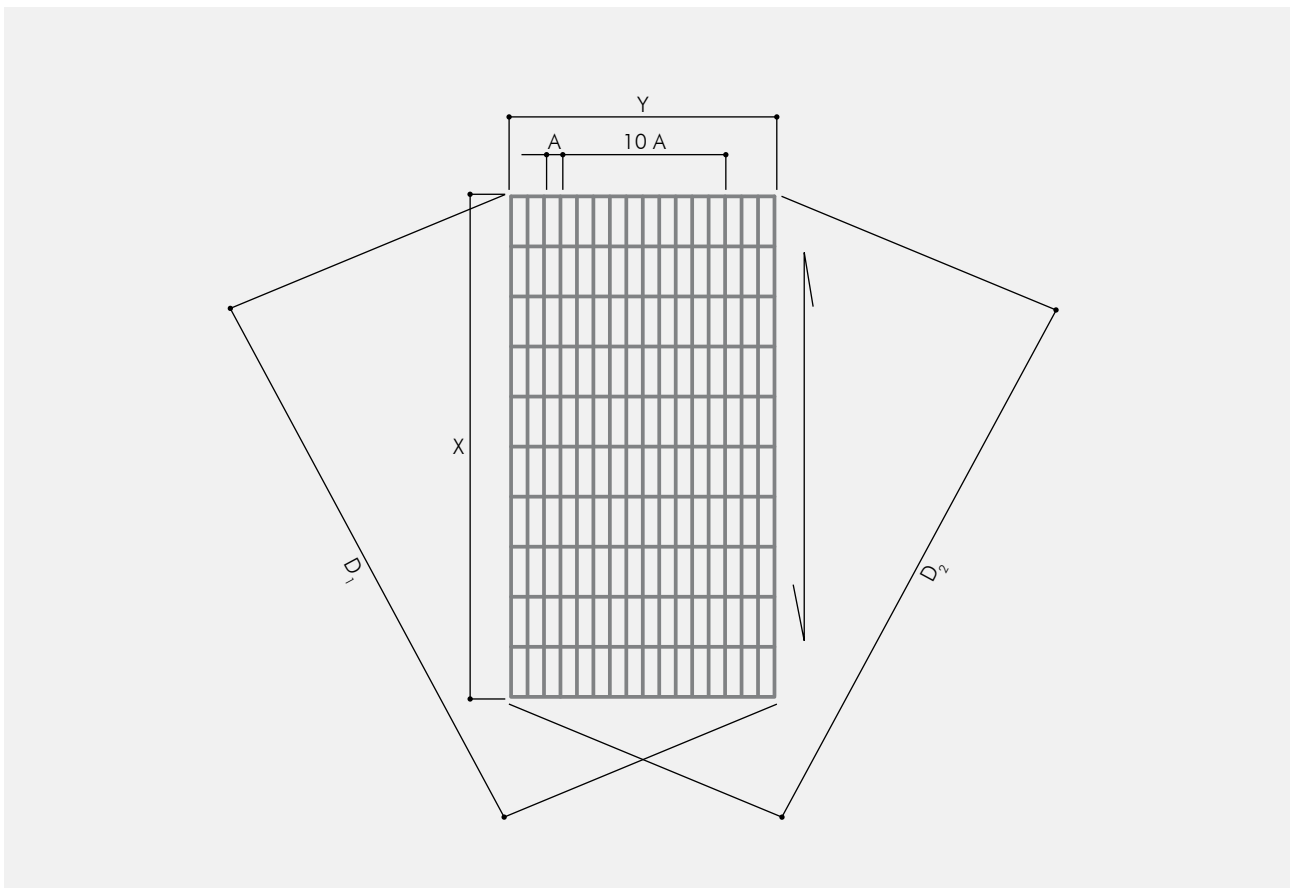[a] tolerance on bearing bar centres
on 10 centres (10A)
a max = $\pm 4mm$
on 1 centre (A)
a max = $\pm 1.5mm$

Transverse Bar Centres B

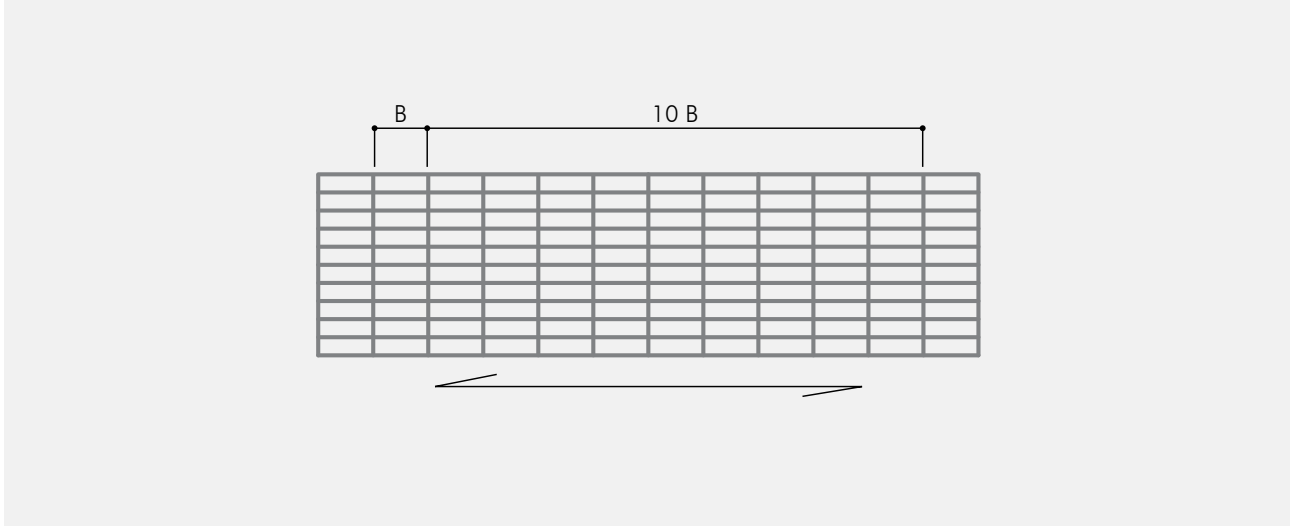[b] tolerance on transverse bars
on 10 centres
b max = ± 4mm (10B)
on 1 centre (B)
b max = ± 2mm

B   10 B

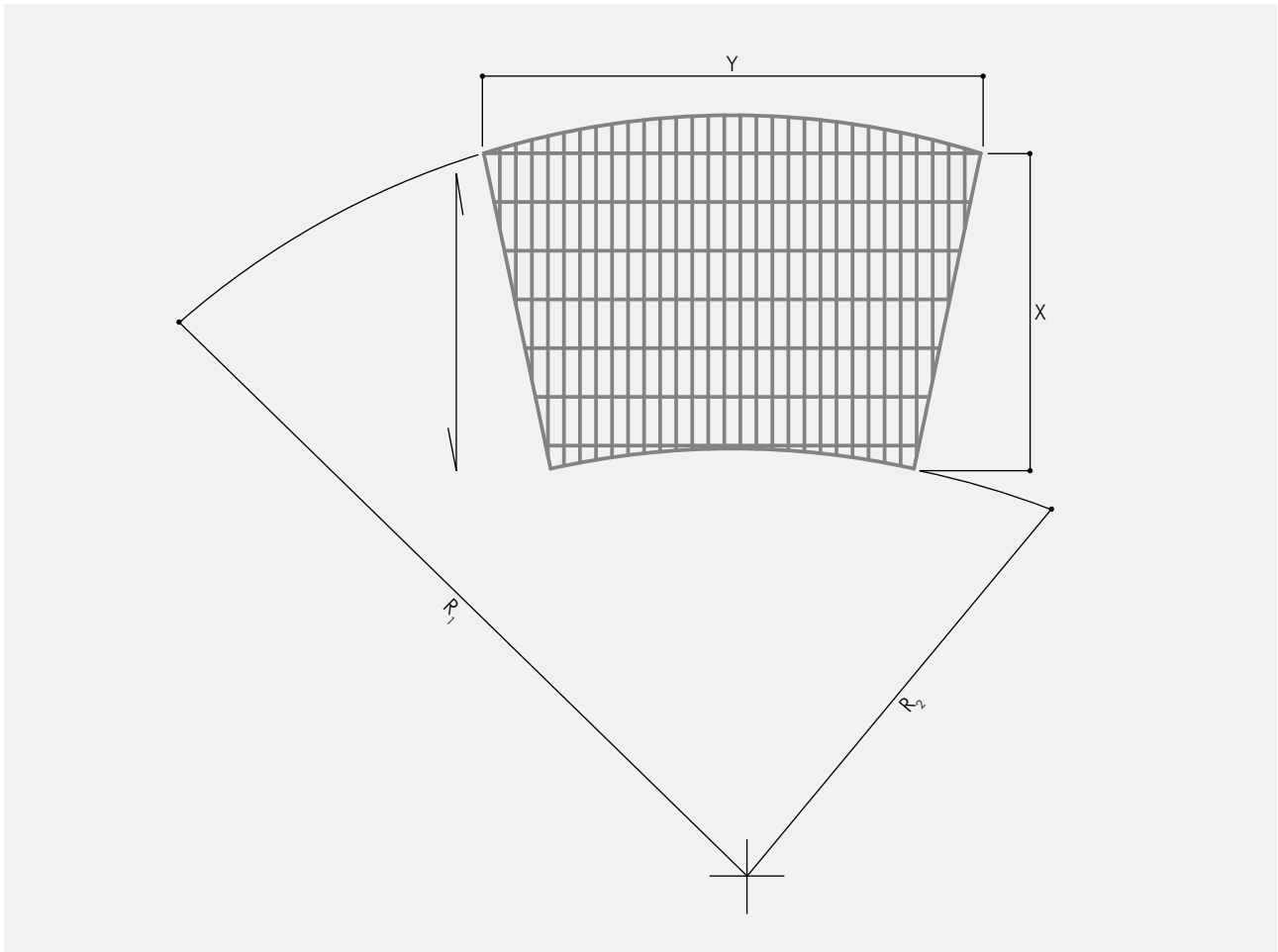## Circular Panel Shaping $R_1 R_2$

[r] tolerance on radius of shaping
r_1= +0/-8mm
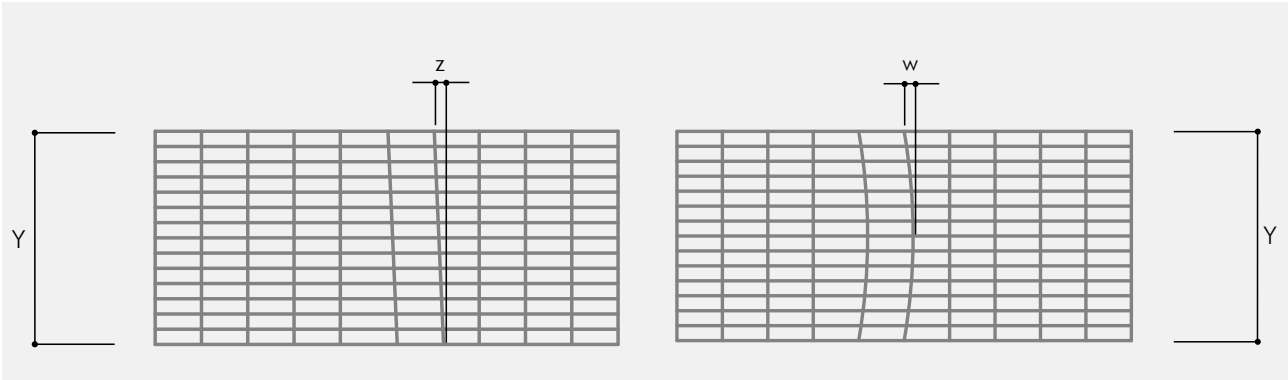r_2= +0/+8mm

Y

X

R_1

R_2

Perpendicularity of Transverse Bar z

[z] tolerance of perpendicularity of transverse bar with respect to bearing bar

z max = 0,003 x Y

Curvature of Transverse Bar w

[w] tolerance of curvature of transverse bar

w max = 0,004 x Y

Longitudinal Flatness e

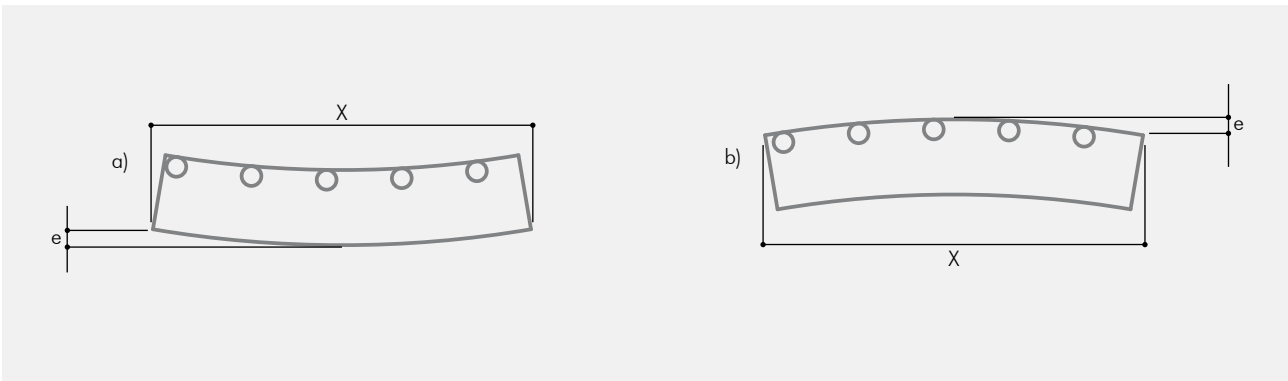[e] tolerance of longitudinal flatness
- a) concave panel
  - e max = X/200mm
- b) convex panel
  - e max = X/150mm

Transverse Flatness p

[p] tolerance of transverse flatness
- c) concave panel
  - p max = Y/200mm
- d) convex panel
  - p max = Y/150mm