

Tolerances

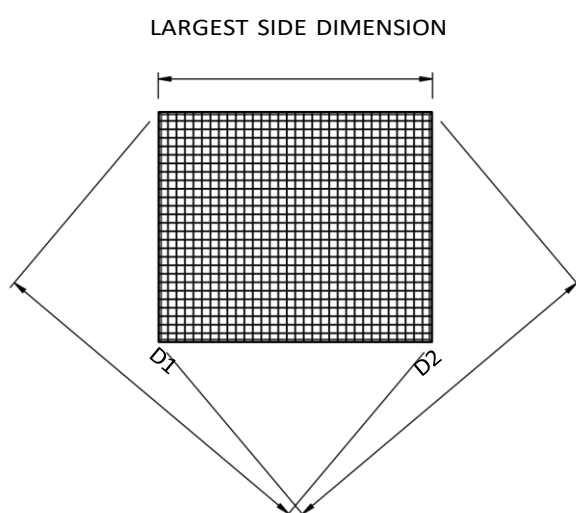
PcP Gratings

Meets the tolerances specified in DS/EN 1090.

This tolerance sheet applies to PcP gratings with the following specifications:

- Bearing bars up to 60 x 5 mm •
- Mesh size max. 66 mm and min. 11 mm
- Grating size max. 2.0 m², where one side does not exceed 2000 mm

Diagonal measurement (cross measurement)



Where

D1: Diagonal measure 1

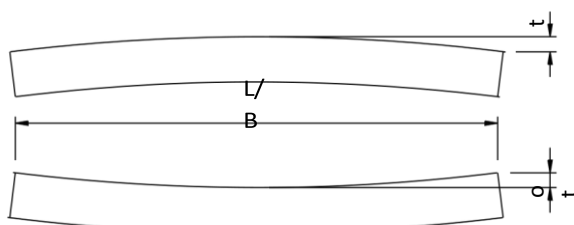
D2: Diagonal measure 2

S: Largest side measure

Largest side dimension	Max. D1-D2
200	2.4 mm
400	4.8 mm
600	7.2 mm
800	9.6 mm
1000	12.0 mm
1500	18.0 mm
2000	24.0 mm

Difference between D1 and D2 may be a maximum of:
 $\pm D1 - D2 \ 0.012 \times \text{largest side dimension}$

Camber, width & length



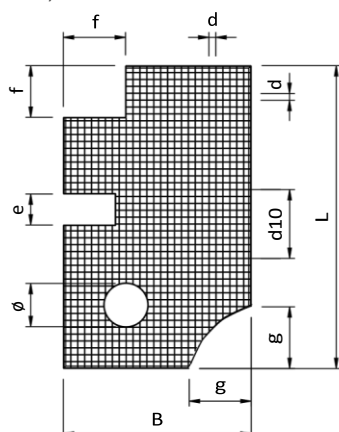
For L/B > 450 mm: $1/150 \times L/W$, max 8,0 mm

For L/B ≤ 450 mm: max. 3,0 mm

For L/B > 600 mm: $1/200 \times L/W$, max. 8,0 mm

For L/B ≤ 600 mm: max. 3,0 mm

Side, cut-out & mesh dimensions



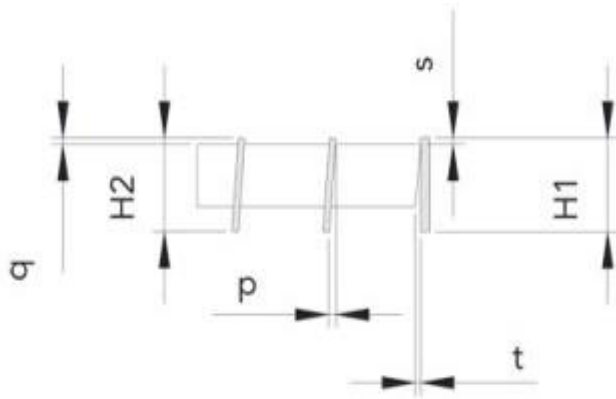
L & B : +0 / -4 mm

d : ± 1,5 mm

d10 : ± 4,0 mm (over 10 meshes) :

f, e, g, Ø +8 / -0 mm

Other tolerances may be applied by agreement.



Tolerance on bars and edge bars:

Inclination of bars/edge bars:

p max. = $0.1 \times H2$, however max. 3 mm

Height difference of ribs:

q max. = 1 mm

Height difference of ribs and edge steel:

s max. = ± 1 mm

Distance from ribs to edge bars:

t max. = 1.5 m

Tolerances for cut-outs in gratings and plank products:

The tolerances apply to Elephant gratings and plank products.

Camber (deflection):

p for $L/B \ 450 < L/B \leq 2000$ mm: $1/150 \times L/B$, however max. ± 8 mm

p for $L/B \leq 450$ mm: max. ± 3.0 mm

Tolerances for length dimensions and cut-outs:

$L/B \leq 1000$ mm: +0, -3 mm

$L/B > 1000$ mm: +0, -4 mm

a, b, c, d, e, f: ± 5 mm

g, h, i, j, r: +6, -0 mm

$\emptyset$: +8, -0 mm

Tolerances - installation places

c/c bolt holes: ± 5 mm for type SP, N & NP

a: ± 3 mm for type SP, N & NP

c: ± 5 mm for ventilation gratings

d: ± 5 mm for ventilation gratings

