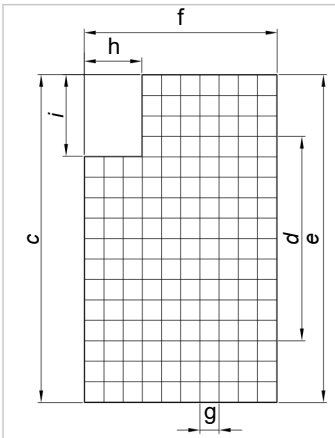
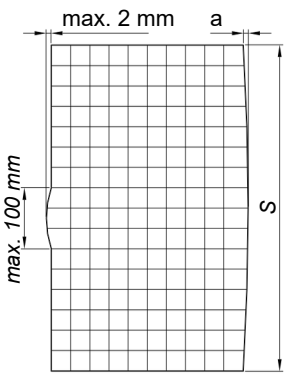
MEA-Gratings - Manufacturing and Delivery Tolerances

(according to Quality Assurance RAL-GZ 638, September 2008 edition)

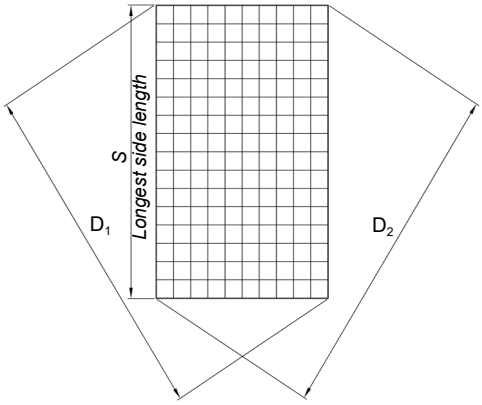
These specifications apply to all gratings with maximum dimensions of up to 2,0m², provided that no side dimension exceeds 2000 mm.
For larger gratings, the permissible tolerances must be defined separately.



c; e; f = max. 0 mm to -4 mm;
g = max. +-1,5 mm; d = max. +-4 mm
(measured over 10 mesh pitches)
h; i = +8, -0 mm

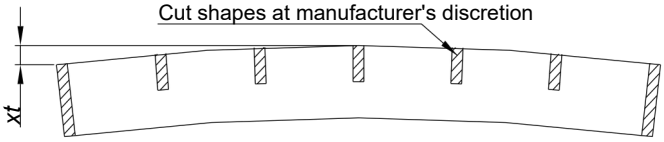


a = max. 0,0025 x S

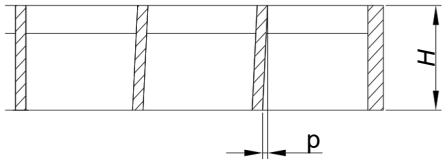


Difference between measured
diagonals D1 minus D2: max. 0.010 x
S(longest side length)

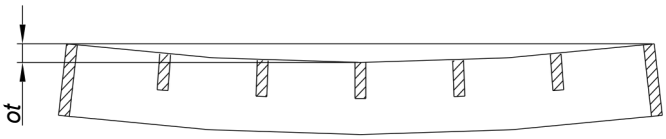
Permissible Tolerances for Press-Locked Gratings



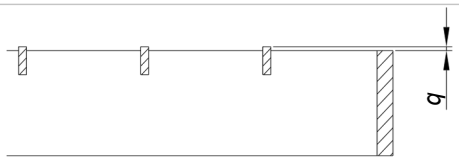
Convex deviation xt max. = 1/200 of the length for dimensions > 600 mm; max. 8 mm;
dimensions smaller than 600 mm; max. 3 mm



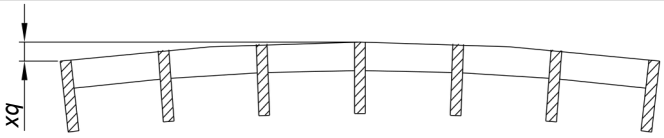
Inclination of bearing bars and edging bars p max. = 0,1 xH
jsubject to a maximum of 3 mm



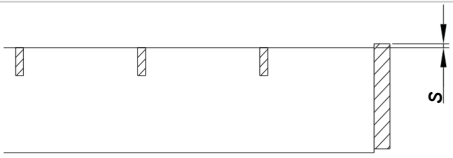
Concave deviation ot max. = 1/200 of the length for dimensions > 600 mm; max. 8 mm;
dimensions smaller than 600 mm; max. 3 mm



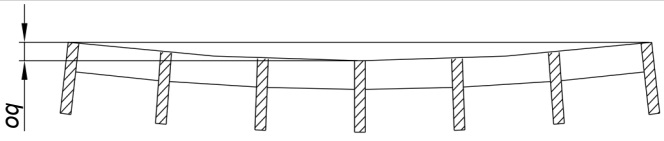
Protruding cross bar
q max. = 1,5 mm



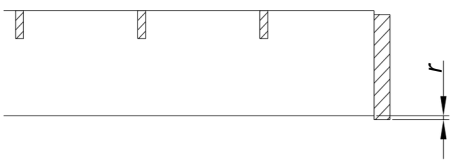
Convex deviation xq max. = 1/200 of the length for dimensions > 600 mm;
max. 8 mm;
kdimensions smaller than 600 mm; max. 3 mm



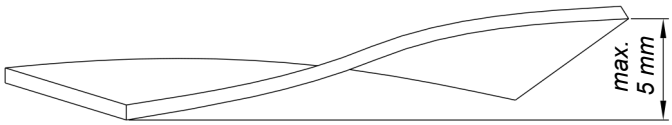
Protruding edging bar at
the top s max. = 1,0 mm



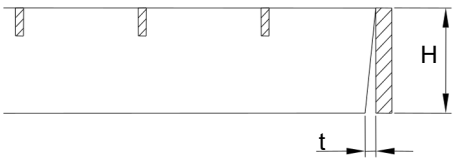
Concave deviation oq max. = 1/200 of the length for dimensions > 600 mm;
max. 8 mm;
dimensions smaller than 600 mm; max. 3 mm



Protruding edging bar at the
bottom r max. = 1,0 mm



Maximum permissible deviation;
for gratings approx. 300 mm x 300 mm maximum approx. 2 mm



Angular cut of bearing and cross bar t max. = +-0,1 x H;
subject to a maximum of 3 mm

M. Sturz 27.01.2012