



Characteristic

Graepel-Lightprofile has a unique cut and rotated formation. Its surface is characterized by almost vertical bars with serrated edges...

Table with 2 columns: Dimensions and Graepel-Lightprofile. Rows include Material thickness and Dimensions (Lengths, Standard grating widths, Heights).

Other dimensions on request.

Application

Graepel-Lightprofile is essential in machine and plant manufacture wherever precipitation or high dirt volumes put underfoot safety at risk. They are used as walking surfaces on crushers and agricultural machines...

Table: Anti-slip values. Columns: Material, Evaluation of anti-slip, Displacement.



Table: Weight per meter for Graepel-Lightprofile for material thickness D [in kg/m]. Rows for grating widths 200, 250, 300, 350, 400.

Conversion of the replacement load Fq from the table into a distributed load Q. Includes formula Q = (10^6 \* Fq) / (B \* L) and a list of variables.

Options

- The standard edge perforation may be omitted.

Large table: Replacement load Fq [in kN] for uniformly distributed load and Concentrated load. Columns include H, D, Support length L, and various load values.

Table: EN AW-5754. Columns include H, D, and various load values for different grating specifications.

Table: Stainless steel. Columns include H, D, and various load values for different grating specifications.

Table: Available at short notice from stock. Columns include Material, H, D, B, L = 3,000 mm, and Order number.

Note concerning lump load. The values are calculated for gratings which are supported over their whole length.

For stainless steel, the values in the table must be multiplied by a factor of 1.04 or for EN AW-5754 by a factor of 0.75.



Order information. The gratings are available up to a length of 6,000 mm.

Upon request, the gratings are cut to length. Please specify the required length when ordering.

Hot-dip galvanized gratings are hot-dip galvanized after sawing to ensure optimum corrosion protection.

Table: Lump load. Columns: Grating width B, Maximum possible lump load F [in kN].

Table: Moments of inertia and section modulus. Columns: Bend height, Material thickness, Moment of inertia, Minimum section modulus.