GRIDIRON®
GRIGLIATI TECNICI

GRIDIRON spa

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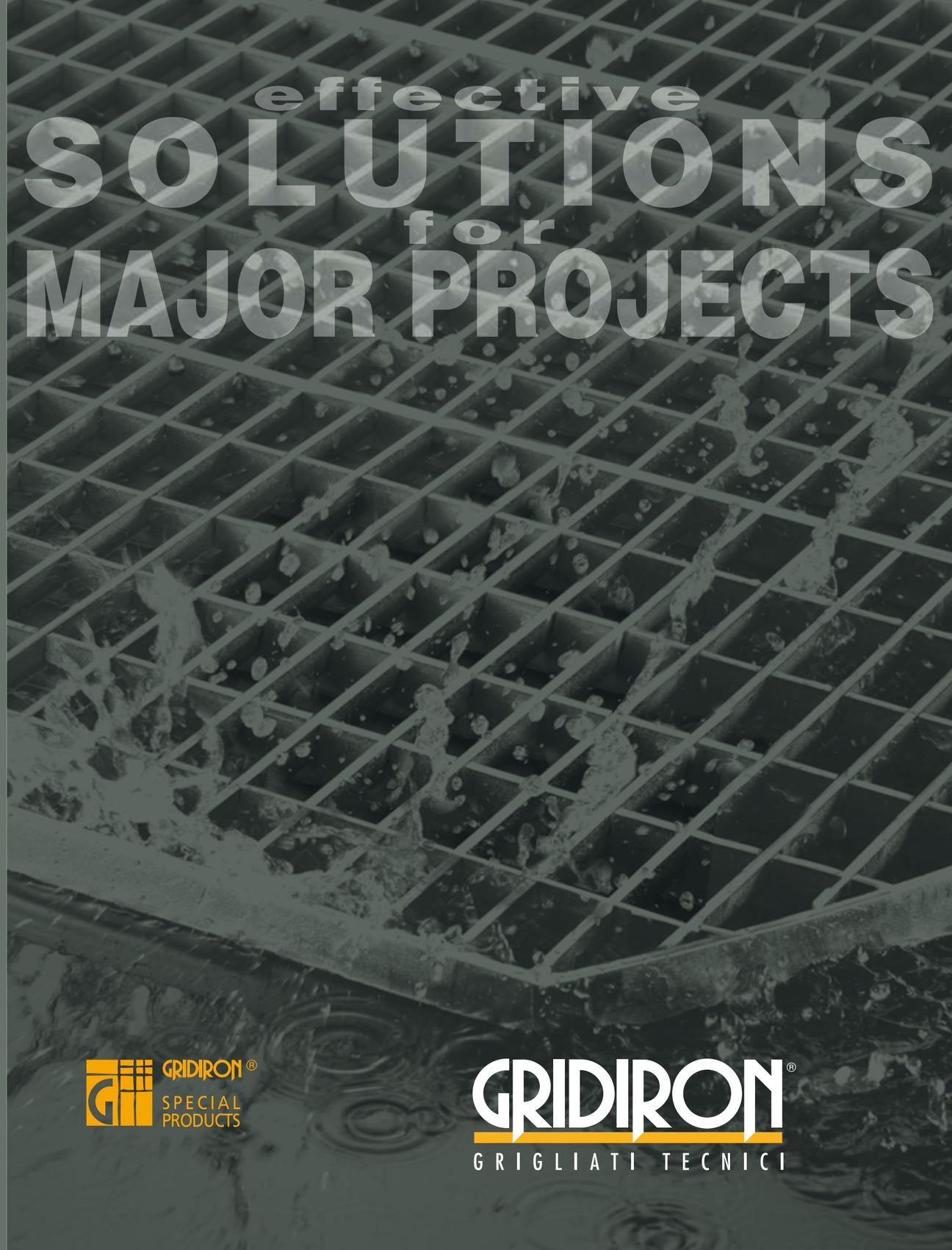
GRIDIRON®
SPECIAL PRODUCTS

GRIDIRON®
GRIGLIATI TECNICI

effective SOLUTIONS for MAJOR PROJECTS



GRIDIRON®
SPECIAL PRODUCTS

GRIDIRON®
GRIGLIATI TECNICI

PRESSED GRATING WITH FLAT EDGE

SUPER ANTI-SLIP GRATING

PRESSED GRATING WITH C-SHAPED EDGE

ELECTRO-FORGEWELDED GRATING

CUSTOM SIZE GATES

BOXER FENCING

CROSSED-PRESSED GRATINGS WITH DIFFERENT SIZED FLAT BARS

SAFE STEPS AND STAIRTREADS

GENERAL INDEX

company profile

GRIDIRON®

GRIGLIATI TECNICI

TECHNICAL GRATING: WORK THAT INSPIRES US

Gridiron S.p.A. is a modern, dynamic company specializing in the production of technical grating, drainage channels, fencing, manholes and more. The Gridiron group manufactures on 5 sites with a total production area of17,000 m². We expedite orders rapidly and provide a prompt delivery service. We distinguish ourselves in the sector thanks to our large stock range and efficient transport system.

Gridiron gratings are present throughout Italy via the prompt and tested network of distributors, agents and partners.

The sturdiness and careful finish of Gridiron grating meets with increasing approval from clients, who are satisfied with the service and quality of our operating philosophy. All of this contributes to position Gridiron as a leading company in the sector of technical gratings, drainage channels and other products for building and construction in general.

We have always provided, in addition to standard production, "custom sized" products that solve any construction problem and satisfy the client's most varied needs.

The sector of "custom sized" products has thus moved forward in conjunction with standard products, so that it became necessary to establish a new brand to identify these special products.

We would like to take this opportunity to present the new logo which from now on will identify the custom sized products.

GRIDIRON® SPECIAL PRODUCTS

> design

> application consultancy

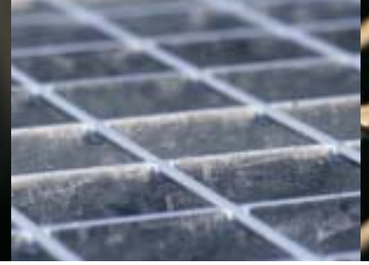
> production

> technical verifications

> installation

> logistics service

TECHNICAL NOTES


UNIT OF MEASURE

All linear units of measure in this catalogue are expressed in millimetres. All units of measure of weight are expressed in kg/m^2.

MATERIAL

All of the gratings and products shown in this catalogue are made of steel S235JR (Fe 360B), unless otherwise specified.

GRATING PANEL

Product composed of right-angle intersection of bars in vertical section placed parallel and equidistant with connecting elements placed parallel and equidistant.

TYPES OF GRATINGS

The gratings are divided into 5 types, analytically specified in the corresponding sections of this catalogue. Respectively they are: ***Electro-forgewelded grating • pressed grating with flat edge • pressed grating with C-shaped edge • cross-pressed grating with different flat bars • cross-pressed gratings with same depth flat bars.***

ELECTRO-FORGEWELDING OR ELECTRO-FUSION

Welding by fusion without the addition of material by means of which the connection element is pressed into the bearing flat bar.

PRESSING

Insertion by pressing connecting elements into the groove of the bearing flat bars.

CROSS

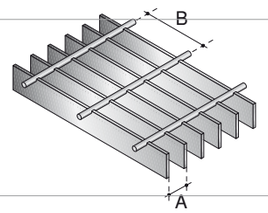
Insertion by pressure of load-bearing and connection elements, both punched.

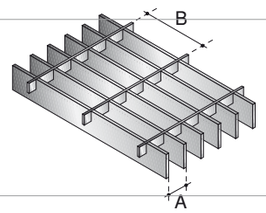
PUNCHING OF FLAT BARS

Rectangular groove made on the flat bars that make up the pressed and crossed gratings, to hold respectively the connection or cross bars.

MESHES (A and B)

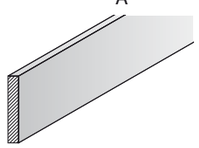
Surface marked by the distance between centres of two consecutive bearing bars (A) and two consecutive transverse bars (B).





BARS

They constitute the load-bearing elements of the grating and provide the grating with different capacities depending on their dimension. They are placed with the section vertical and parallel to one another. The size of their section followed by the formula of the mesh identifies the type of mesh. E.g.: 25x2 22x76.

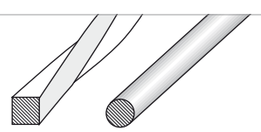


LOAD-BEARING DIRECTION

The direction of the bearing bars is shown with the conventional symbol ⟷

CONNECTIONS

Elements placed transversally to the bearing bars, for the purpose of connecting and keeping constant the space between the bearing bars. The connections also serve to transversally distribute the load.



GRATINGS

This term, which is used exclusively for the electro-forgewelded grating, indicates the sheet of grating of a commercial size suitable for working, and therefore not yet edged. It is normally unfinished, but it may be subjected to hot galvanizing.

PANEL - GRATING

These terms refer to the custom size grating, edged and hot galvanized, which in the case of the grating also includes the frame.

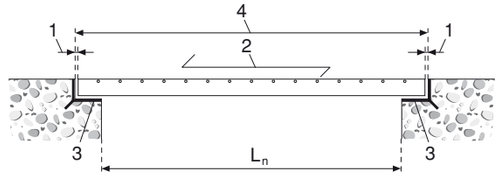
FRAME

Profile in galvanized steel in various sections to contain panels of various thickness and dimensions.

CLEAR SPAN BETWEEN SUPPORTS (L_n)

Measurement of the clearance between two adjacent support structures, measured in the direction of the bearing bars.

1 SPACE BETWEEN PANEL AND FRAME
2 LOAD-BEARING DIRECTION
3 SUPPORT STRUCTURE
4 EXTERNAL LENGTH OF FRAME
L_n CLEAR SPAN BETWEEN SUPPORTS

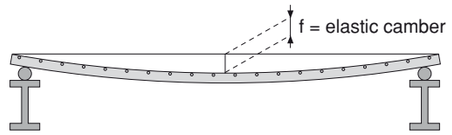


CAPACITY

Each type of grating has a specific load-bearing capacity based on the distance between the supports of the panel. The contribution of the connection element is not considered, since the load-bearing capacity is almost entirely that of the bearing bars.

DEFLECTION *(f)*

Vertical displacement with respect to the horizontal plane of a point of the panel due to the load acting upon it.



FOOTPRINT

Surface of grating directly affected by the load.

LOAD CONCENTRATED ON FOOTPRINT

Load exercised directly on footprint.

EVENLY-DISTRIBUTED LOAD

Load distributed evenly over the entire surface of the panel.

STATIC LOAD

Mass of pedestrians or vehicles considered in condition of immobility. Expressed in kilograms (Kg).

DYNAMIC LOAD (P)

Total load of dynamic effects. The values for the various classes are specified on page 114.

GALVANIZING

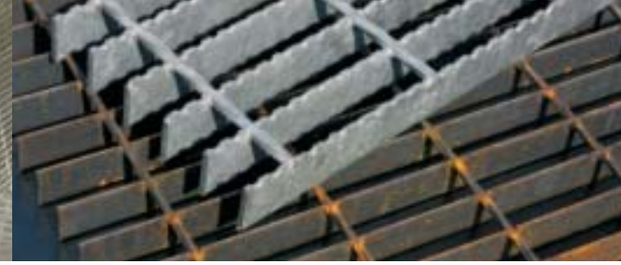
This fundamental protective treatment is carried out in accordance with standards UNI EN ISO 1461.

POLYESTER POWDER COATING

Treatment which is always carried out on previously hot-galvanized material, performed with heat-setting pure polyester powders (PE).

TOLERANCES

Gratings may undergo dimensional variations with respect to the nominal measurements due to various types of shrinkage or expansion of the material. The following are the average values to consider as being within the tolerances.

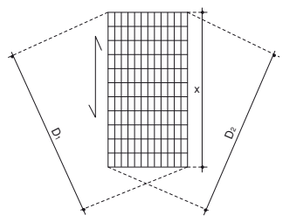


> DIMENSIONAL TOLERANCES OF THE PANELS

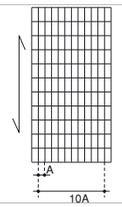
- **Panel length (X)**
  (x) tolerance on length
  for x ≤ 2 000 mm
  x max. = $^{0}_{-4}$ mm
  for x > 2 000 mm
  x max. = 0 mm
  -0.002 • x

- **Panel width (y)**
  (y) tolerance on width
  for y ≤ 1 000 mm
  y max. = $^{0}_{-6}$ mm
  for y > 1 000 mm
  y max.= 0 mm
  -0.006 • y

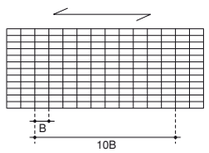
- **Panel diagonals (D_1;D_2)**
  (d) tolerance on diagonals
  for x ≤ 2 000 mm
  d max. = D_1-D_2= ±6 mm
  for x > 2 000 mm
  d max. = D_1-D_2= 0.003 • x



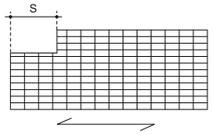
- **Interval of bearing bars (A)**
  (a) tolerance on interval of bars on 10 intervals (10 • A)
  a max. = ± 4 mm
  on 1 interval
  a max. = ± 1.5 mm



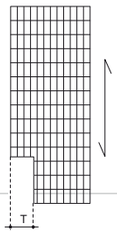
- **Interval of Cross bars (B)**
  (b) tolerance on interval of cross bars on 10 intervals (10 • B)
  b max. = ± 4 mm
  on 1 interval
  b max. = ± 2 mm



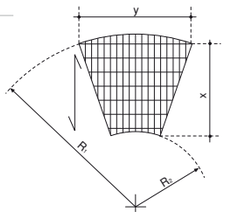
- **Straight cut out length (S)**
  (s) tolerance on length of cut out
  s max. = $^{0}_{+10}$ mm



- **Straight cut out width (T)**
  (t) tolerance on width of cut out
  t max. = $^{0}_{+10}$ mm

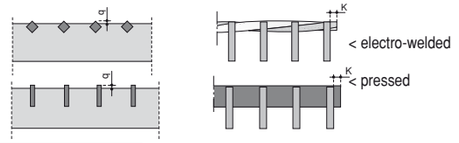


- **Circular cut out radius (R_1;R_2)**
  (r) tolerance on radius of cut out
  r_1 = $^{0}_{-8}$ mm
  r_2 = $^{0}_{+8}$ mm

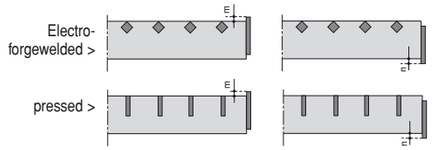


> TOLERANCES OF CONSTRUCTION OF PANELS

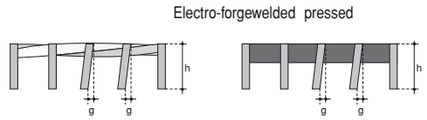
- **Protuberance of cross bars (q; k)**
  (q) tolerance on protuberance between cross bars and bearing bars
  q max. = 1.5 mm
  (k) tolerance on protuberance of cross bars with respect to bearing bars
  k max. = 1.5 mm



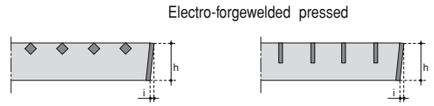
- **Protuberance of edging bar (m; n)**
  (m) tolerance on protuberance between edge and bearing bars on the upper part of the panel
  m max. = 1.5 mm
  (n) tolerance on protuberance between edge and bearing bars on the lower part of the panel
  n max. = 1.5 mm



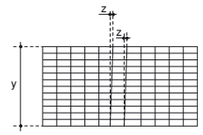
- **Inclination of bearing bars (g)**
  (g) tolerance of inclination of bearing bars
  g max. = 0.1 • h
  g max.= bearing bar thickness
  In any case g max = 4 mm



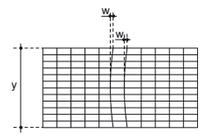
- **Inclination of edging bar (i)**
  (i) tolerance of inclination of edge
  i max. = 0.1 • h
  i max.= thickness of edging bar



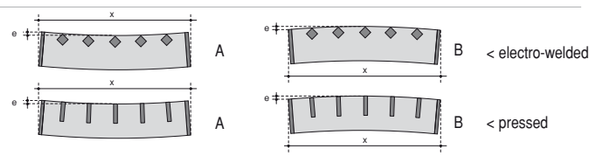
- **Right angles of cross bars (z)**
  (z) tolerance of right angles of cross bars with respect to bearing bars
  z max. = 003 • h



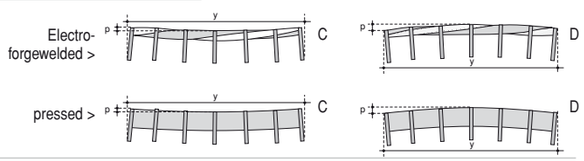
- **Curvature of cross bars (w)**
  (w) tolerance of curvature of cross bars
  w max. = 0.004 • Y



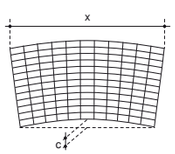
- **Longitudinal planarity (e)**
  (e) tolerance of longitudinal planarity
  a) concave panel
  e max. = X/200 mm
  b) convex panel
  e max. = X/150 mm



- **Transversal planarity (p)**
  (p) tolerance of transversal planarity
  c) concave panel
  p max. = Y/200 mm
  d) convex panel
  p max. = Y/150 mm



- **Curvature of bearing bars (c)**
  (c) tolerance of curvature of bearing bars
  c max. = 1/200 • X



- **Warping**
  (sv) tolerance of curvature of the diagonals
  sv max. = D/150 mm
  D= diagonal of panel

GRIDIRON
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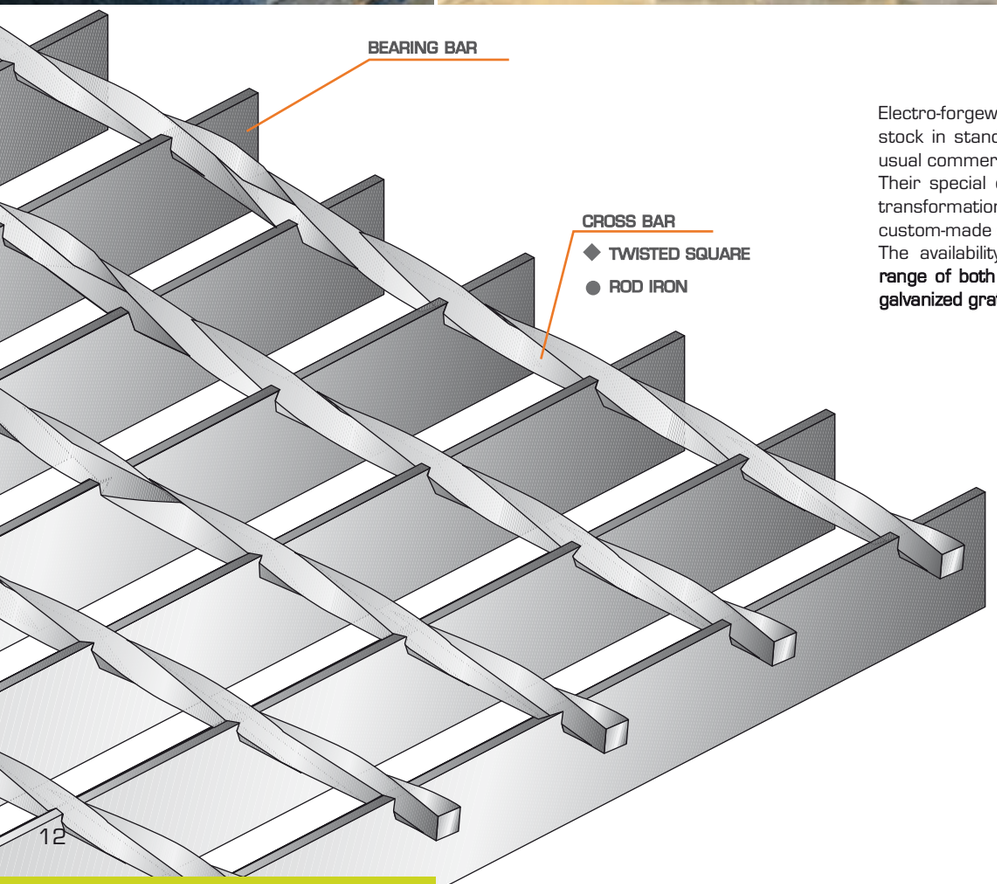
ELECTRO-FORGEWELDED GRATING

> galvanized and self-coloured standard gratings

ELECTRO-FORGEWELDED GRATINGS

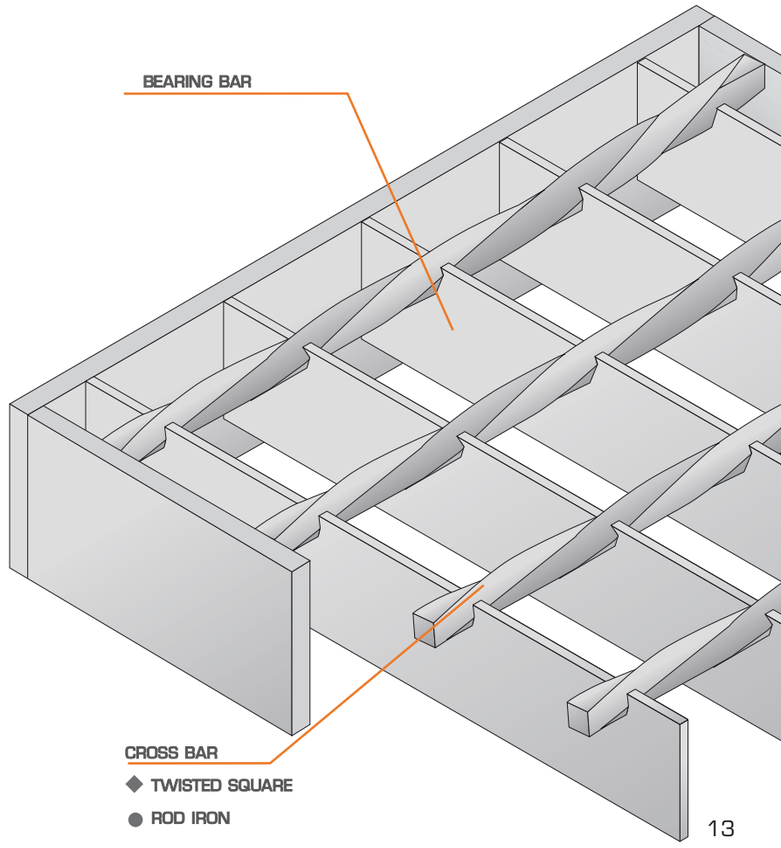
> custom size, self-coloured and galvanized



Electro-forgewelded grating is always in stock in standard grating panels in the usual commercial lengths of 6100 mm.
Their special dimensions allow versatile transformations and thus permit rapid custom-made creations.
The availability in stock of a **complete range of both self-coloured and hot dip-galvanized grating** covers all needs.

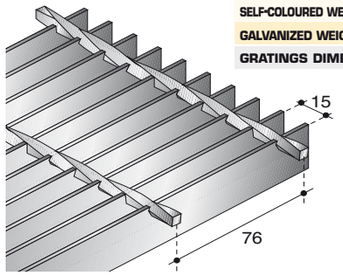
The panels are cut to size and finished with edging, which consists of the welding of a bar with the same height as the bearing bars that make up the grating.
The edged grating panels come **self-coloured or hot dip galvanized,** according to the specific needs of the client.
Gridiron specializes in drawing-based cutting and shaping of the grating panels.

SPECIFICATION ITEMS: Gridiron type electro-forgewelded grating produced by electro-welding with no added material. Formed of bearing bars of mm... x mm... of thickness and connection spacers in twisted squares or rod iron of mm... per side or diameter. Mesh of mm...x mm... calculated in axis (bearing bars mm...- twisted squares or rod iron for cross bar mm..). Edging plate of mm... x mm... All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m²....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m²...
As necessary: add item complete with frame.









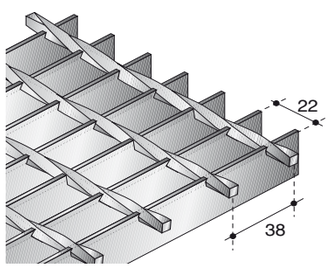
MESH mm 15x76

BEARING BAR mm	20x2	25x2	25x3	30x2	30x3	
CROSS BAR mm	● 4	◆ 5	◆ 5	● 5	◆ 5	
SELF-COLOURED WEIGHT kg/m²	22.36	28.91	42.04	34.18	49.93	
GALVANIZED WEIGHT kg/m²	24.01	30.97	44.17	36.59	52.41	
GRATINGS DIMENSIONS	6100x999	6100x999	6100x1000	6100x999	6100x1000	

BEARING BAR mm	40x2	40x3	50x3	50x4	60x4	70x4
CROSS BAR mm	● 5	◆ 5	◆ 5	◆ 5	◆ 5	◆ 5
SELF-COLOURED WEIGHT kg/m²	44.71	65.71	81.50	107.98	129.07	150.15
GALVANIZED WEIGHT kg/m²	47.84	68.91	85.40	111.97	133.76	155.55
GRATINGS DIMENSIONS	6100x999	6100x1000	6100x1000	6100x804	6100x804	6100x804

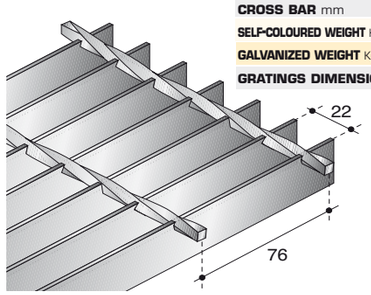
SPECIAL PRODUCTS SUPER ANTI-SLIP

BEARING BAR mm	30x3
CROSS BAR mm	◆ 5
SELF-COLOURED WEIGHT kg/m²	48.30
GALVANIZED WEIGHT kg/m²	50.81
GRATINGS DIMENSIONS	6100x1000



MESH 22x38 mm

BEARING BAR mm	25x2	25x3	30x3
CROSS BAR mm	◆ 4.5	◆ 5	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	22.29	32.30	36.75
GALVANIZED WEIGHT kg/m²	23.86	33.95	38.62
GRATINGS DIMENSIONS	6100x997	6100x998	6100x998



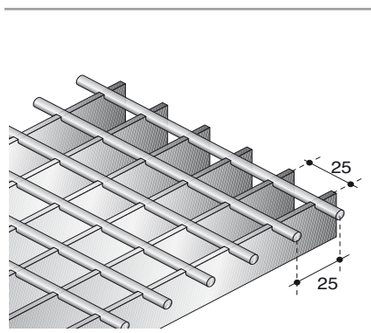
MESH 22x76 mm

BEARING BAR mm	25x2	25x3	30x2	30x3	30x4	
CROSS BAR mm	◆ 4.5	◆ 5	◆ 4.5	◆ 4.5	◆ 6	
SELF-COLOURED WEIGHT kg/m²	20.20	29.73	23.83	34.67	47.30	
GALVANIZED WEIGHT kg/m²	21.65	31.23	25.52	36.40	49.14	
GRATINGS DIMENSIONS	6100x997	6100x998	6100x997	6100x998	6100x994	

BEARING BAR mm	40x3	40x4	50x4	60x4	70x4
CROSS BAR mm	◆ 5	◆ 6	◆ 6	◆ 6	◆ 6
SELF-COLOURED WEIGHT kg/m²	46.21	61.83	76.36	90.90	105.43
GALVANIZED WEIGHT kg/m²	48.46	64.16	79.18	94.20	109.22
GRATINGS DIMENSIONS	6100x993	6100x994	6100x994	6100x994	6100x994

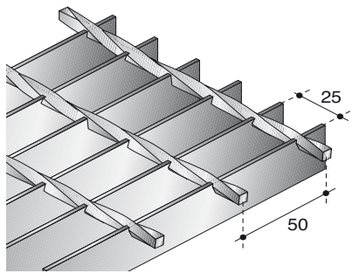
SPECIAL PRODUCTS SUPER ANTI-SLIP

BEARING BAR mm	30x3
CROSS BAR mm	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	34.39
GALVANIZED WEIGHT kg/m²	36.17
GRATINGS DIMENSIONS	6100x998



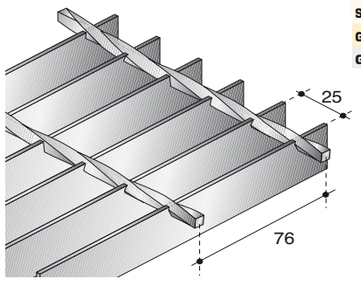
MESH mm 25x25

BEARING BAR mm	20x2	25x2	30x3
CROSS BAR mm	● 4	● 4	● 5
SELF-COLOURED WEIGHT kg/m²	16.79	20.01	35.05
GALVANIZED WEIGHT kg/m²	18.01	21.44	36.81
GRATINGS DIMENSIONS	6100x1000	6100x1002	6100x1003



MESH mm 25x50

LOAD BEARING PLATE mm	20x3
CROSS BAR mm	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	27.20
GALVANIZED WEIGHT kg/m²	28.60
GRATINGS DIMENSIONS	6100x1005



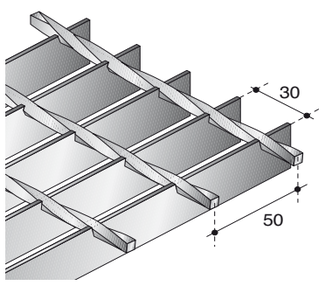
MESH 25x76 mm

BEARING BAR mm	25x2	25x3	30x2	30x3
CROSS BAR mm	◆ 4	◆ 4.5	◆ 4	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	17.35	26.15	20.57	30.97
GALVANIZED WEIGHT kg/m²	18.61	27.49	22.04	32.52
GRATINGS DIMENSIONS	6100x1002	6100x1003	6100x1002	6100x1003

BEARING BAR mm	40x3	50x4	60x4	70x4
CROSS BAR mm	◆ 5	◆ 6	◆ 6	◆ 6
SELF-COLOURED WEIGHT kg/m²	41.08	67.82	80.64	93.47
GALVANIZED WEIGHT kg/m²	43.08	70.33	83.58	96.84
GRATINGS DIMENSIONS	6100x1003	6100x1004	6100x1004	6100x1004

SPECIAL PRODUCTS SUPER ANTI-SLIP

BEARING BAR mm	40x3
CROSS BAR mm	◆ 5
SELF-COLOURED WEIGHT kg/m²	39.40
GALVANIZED WEIGHT kg/m²	41.40
GRATINGS DIMENSIONS	6100x1003

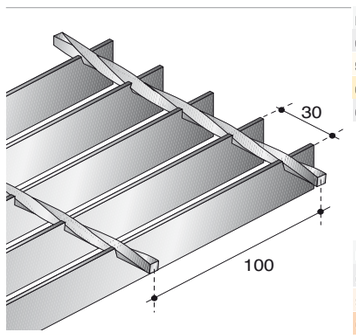


MESH mm 30x50

BEARING BAR mm	25x3	30x3	40x3	40x4
CROSS BAR mm	◆ 4.5	◆ 4.5	◆ 4.5	◆ 6
SELF-COLOURED WEIGHT kg/m²	23.19	27.20	35.22	48.52
GALVANIZED WEIGHT kg/m²	24.39	28.58	36.96	50.37
GRATINGS DIMENSIONS	6100x998	6100x998	6100x998	6100x994

SPECIAL PRODUCTS SUPER ANTI-SLIP

BEARING BAR mm	30x4
CROSS BAR mm	◆ 6
SELF-COLOURED WEIGHT kg/m²	35.90
GALVANIZED WEIGHT kg/m²	37.39
GRATINGS DIMENSIONS	6100x994



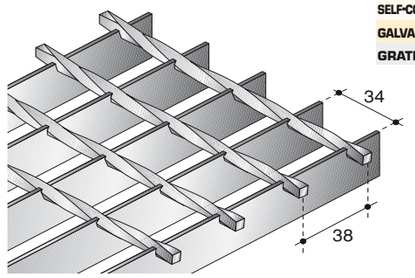
MESH 30x100

BEARING BAR mm	25x3	25x5	30x3	30x5
CROSS BAR mm	◆ 6	◆ 4.5	◆ 4.5	◆ 6
SELF-COLOURED WEIGHT kg/m²	21.62	36.31	25.63	43.02
GALVANIZED WEIGHT kg/m²	22.73	37.52	26.92	44.41
GRATINGS DIMENSIONS	6100x998	5850x995	6100x998	5850x995

BEARING BAR mm	40x4	50x4
CROSS BAR mm	◆ 6	◆ 6
SELF-COLOURED WEIGHT kg/m²	45.74	56.48
GALVANIZED WEIGHT kg/m²	47.46	58.57
GRATINGS DIMENSIONS	6100x994	6100x994

SPECIAL PRODUCTS SUPER ANTI-SLIP

BEARING BAR mm	25x5	30x3	30x5
CROSS BAR mm	◆ 6	◆ 5	◆ 6
SELF-COLOURED WEIGHT kg/m²	33.96	24.71	40.67
GALVANIZED WEIGHT kg/m²	35.18	26.01	42.06
GRATINGS DIMENSIONS	5850x995	6100x993	5850x995



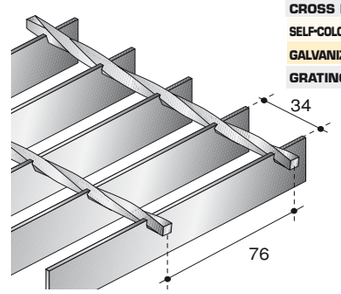
MESH mm 34x38

BEARING BAR mm	25x2	25x3	30x2	30x3
CROSS BAR mm	◆ 4.5	◆ 4.5	◆ 4.5	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	15.99	21.88	18.35	25.42
GALVANIZED WEIGHT kg/m²	17.10	23.02	19.62	26.72
GRATINGS DIMENSIONS	6100x997	6100x997	6100x997	6100x998

BEARING BAR mm	40x3	40x4
CROSS BAR mm	◆ 4.5	◆ 5
SELF-COLOURED WEIGHT kg/m²	32.50	43.21
GALVANIZED WEIGHT kg/m²	34.12	44.90
GRATINGS DIMENSIONS	6100x998	6100x990

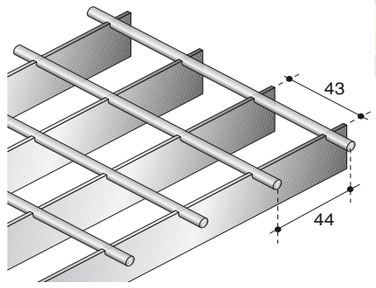
BEARING BAR mm	30x3
CROSS BAR mm	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	24.18
GALVANIZED WEIGHT kg/m²	25.48
GRATINGS DIMENSIONS	6100x998

SPECIAL PRODUCTS
SUPER ANTI-SLIP



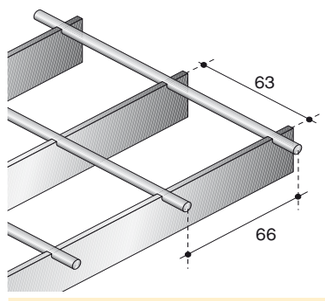
MESH mm 34x76

BEARING BAR mm	25x2	25x3	30x2	30x3	
CROSS BAR mm	◆ 4.5	◆ 4.5	◆ 4.5	◆ 4.5	
SELF-COLOURED WEIGHT kg/m²	13.90	19.79	16.26	23.33	
GALVANIZED WEIGHT kg/m²	14.89	20.81	17.41	24.51	
GRATINGS DIMENSIONS	6100x997	6100x998	6100x997	6100x998	
	40x3	40x4	50x4	60x4	70x4
	◆ 4.5	◆ 5	◆ 6	◆ 6	◆ 6
	30.41	40.64	51.28	60.80	70.31
	31.91	42.19	53.19	63.02	72.86
	6100x998	6100x990	6100x990	6100x990	6100x990



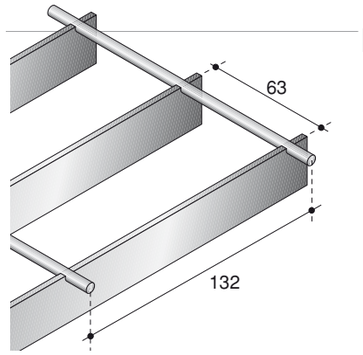
MESH mm 43x44

BEARING BAR mm	25x2
CROSS BAR mm	● 5
SELF-COLOURED WEIGHT kg/m²	12.83
GALVANIZED WEIGHT kg/m²	13.70
GRATINGS DIMENSIONS	6100x1894



MESH mm 63x66

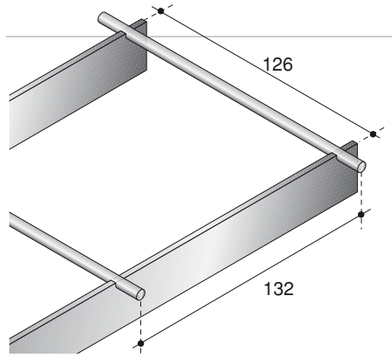
BEARING BAR mm	25x2	25x3	25x3
CROSS BAR mm	● 5	● 5	● 5
SELF-COLOURED WEIGHT kg/m²	8.77	12.05	11.98
GALVANIZED WEIGHT kg/m²	9.36	12.67	12.59
GRATINGS DIMENSIONS	6100x1892	6100x1515	6100x1893



MESH mm 63x132

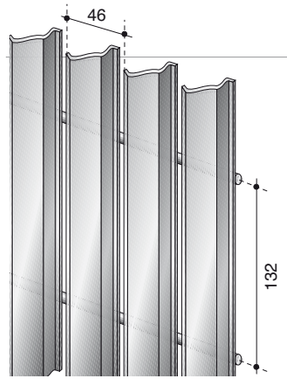
BEARING BAR mm	25x2	25x2	25x3	25x3
CROSS BAR mm	● 5	● 5	● 5	● 5
SELF-COLOURED WEIGHT kg/m²	7.65	7.60	10.88	10.81
GALVANIZED WEIGHT kg/m²	8.18	8.13	11.44	11.36
GRATINGS DIMENSIONS	6100x1514	6100x1892	6100x1515	6100x1893

BEARING BAR mm	30x4
CROSS BAR mm	● 6
SELF-COLOURED WEIGHT kg/m²	17.10
GALVANIZED WEIGHT kg/m²	17.77
GRATINGS DIMENSIONS	6100x1894



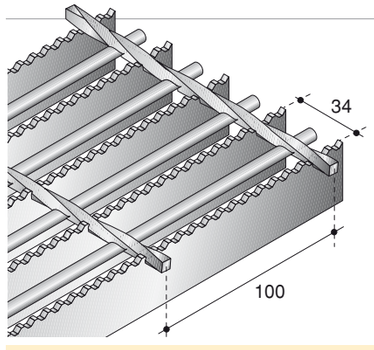
MESH mm 126x132

BEARING BAR mm	25x3	25x3
CROSS BAR mm	● 5	● 5
SELF-COLOURED WEIGHT kg/m²	6.22	6.14
GALVANIZED WEIGHT kg/m²	6.54	6.46
GRATINGS DIMENSIONS	6100x1515	6100x1893

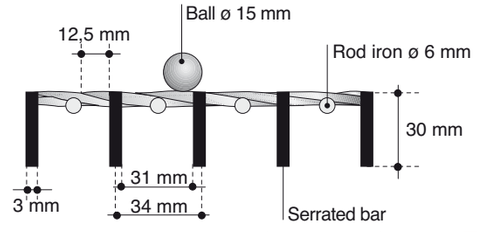


MESH mm 46x132 WING

BEARING BAR mm	47x1.5
CROSS BAR mm	● 4
SELF-COLOURED WEIGHT kg/m²	14.45
GALVANIZED WEIGHT kg/m²	15.75
GRATINGS DIMENSION	6100x1584



MESH mm 34x100 OFF-SHORE



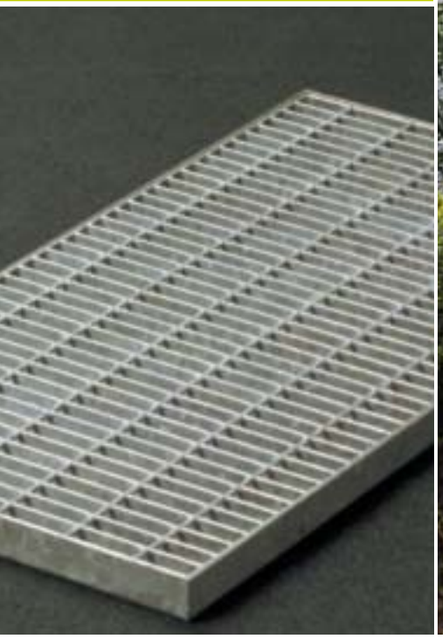
BEARING BAR mm	30x3
CROSS BAR mm	◆ 6
SELF-COLOURED WEIGHT kg/m²	29.27
GALVANIZED WEIGHT kg/m²	30.67
GRATINGS DIMENSIONS	6100x998

SPECIAL PRODUCTS
SUPER ANTI-SLIP

GRIDIRON®
GRIGLIATI TECNICI

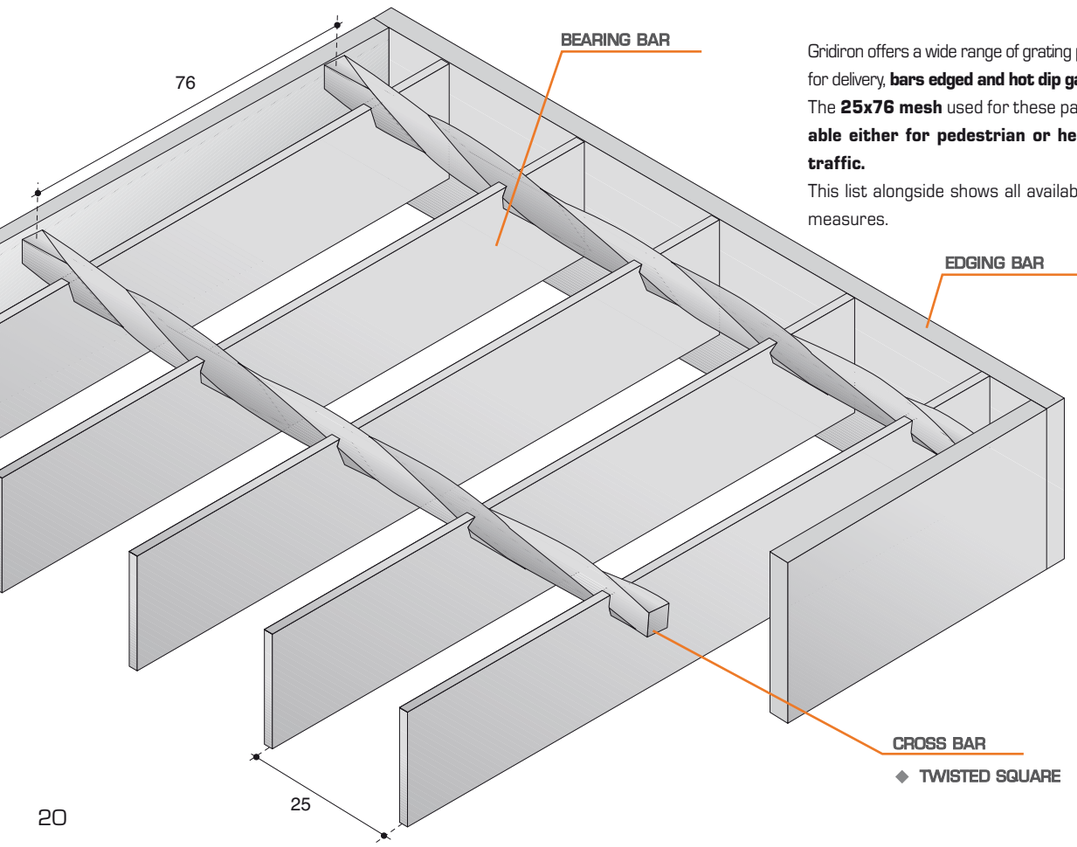
ELECTRO-FORGEWELDED GRATINGS

> **standard galvanized panels without frame**

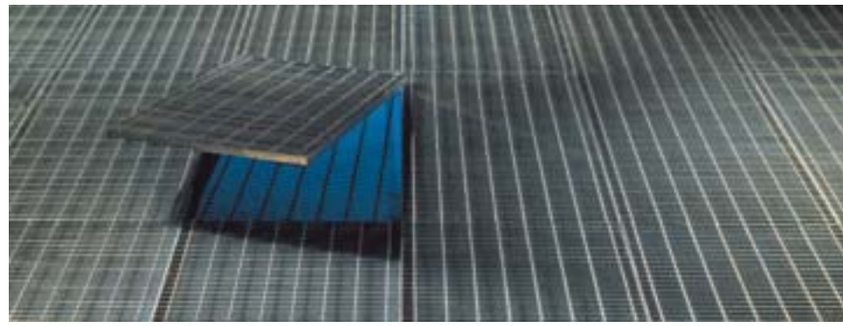


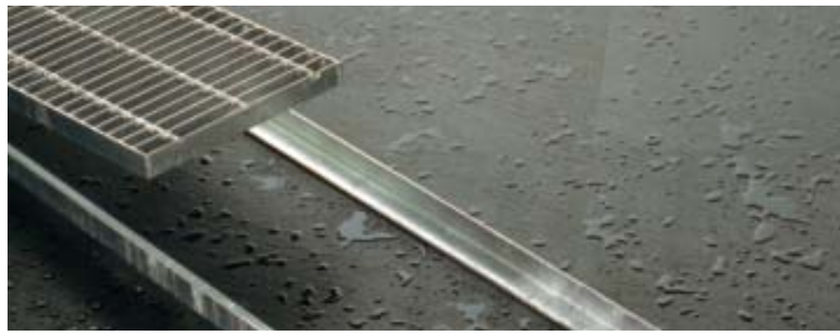
THE PANELS ARE AVAILABLE WITH MESH mm 25x76

BEARING BAR mm	CROSS BAR mm	PANEL DIMENSIONS	CODE
25x2	◆ 4	150x1000	*3015*
25x2	◆ 4	200x1000	*3009*
25x2	◆ 4	250x1000	*3010*
25x2	◆ 4	300x1000	*3001*
25x2	◆ 4	400x1000	*3002*
25x2	◆ 4	500x1000	*3003*
25x2	◆ 4	600x1000	*3004*
25x2	◆ 4	700x1000	*3005*
25x2	◆ 4	800x1000	*3006*
25x2	◆ 4	900x1000	*3007*
25x2	◆ 4	1000x1000	*3008*
30x3	◆ 4.5	200x1000	*3018*
30x3	◆ 4.5	250x1000	*3016*
30x3	◆ 4.5	300x1000	*3011*
30x3	◆ 4.5	350x1000	*3012*
30x3	◆ 4.5	400x1000	*3013*
30x3	◆ 4.5	500x1000	*3014*
40x3	◆ 5	200x1000	*3019*
40x3	◆ 5	250x1000	*3020*
40x3	◆ 5	300x1000	*3021*
40x3	◆ 5	350x1000	*3022*
40x3	◆ 5	400x1000	*3023*
40x3	◆ 5	500x1000	*3017*



Gridiron offers a wide range of grating panels, ready for delivery, **bars edged and hot dip galvanized.**
The **25x76 mesh** used for these panels is **suitable either for pedestrian or heavy vehicle traffic.**
This list alongside shows all available standard measures.





ANGLE PIECES

To complete the grating panels, angle pieces are available in stock in lenghts of 2000 mm and 6000 mm, hot dip galvanized, with tangs for anchoring in concrete.
They are the perfect solution for the creation of grating channels to be cast on-site.

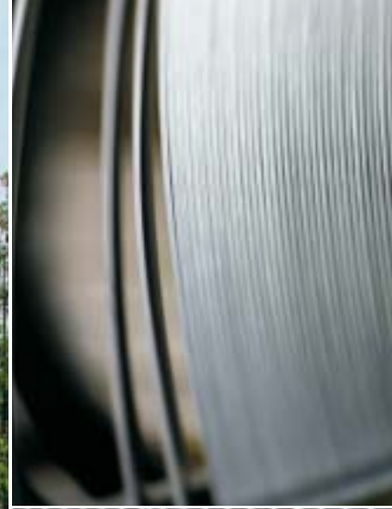
ANGLE PIECES

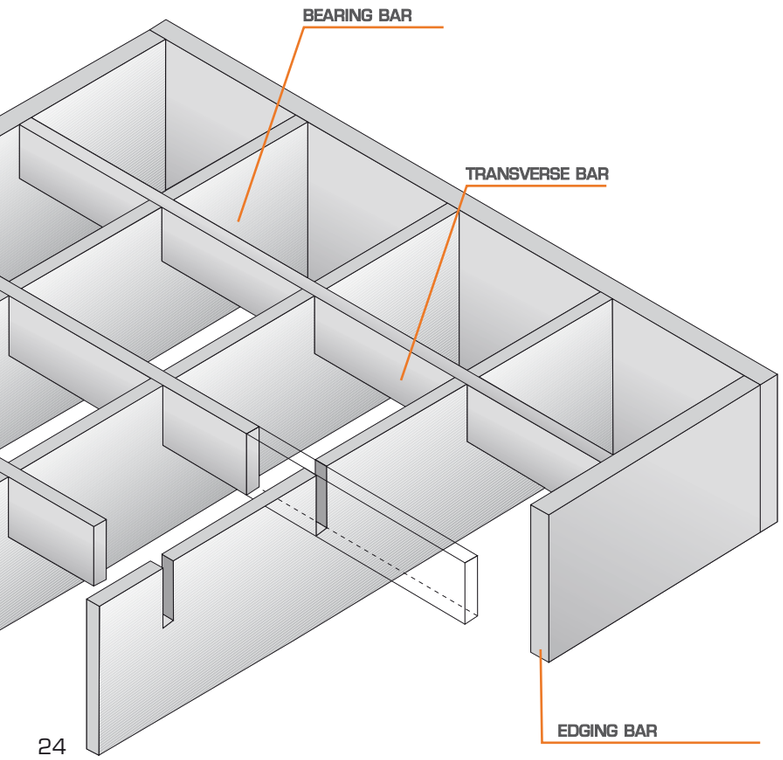
TYPE	30x30x3	30x30x3	35x35x4	35x35x4	45x45x5	45x45x5
LENGTH mm	2000	6000	2000	6000	2000	6000
CODE	*3901*	*3905*	*3902*	*3906*	*3903*	*3907*

GRIDIRON
GRIGLIATI TECNICI

PRESSED GRATINGS

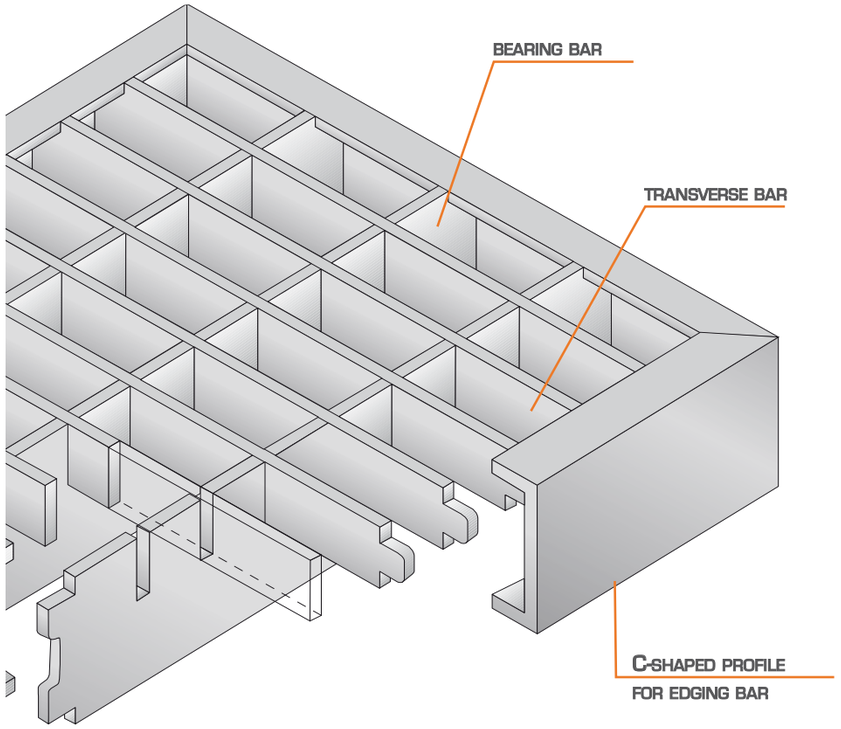
> **custom sizes with flat and C-shaped edge**



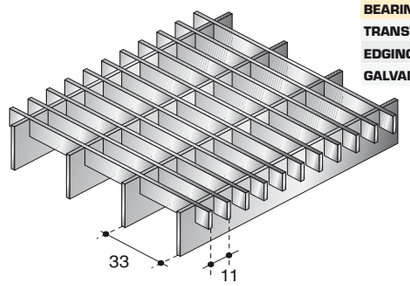


The already pleasant appearance of the **pressed grating**, composed of the assembly of bearing bars in the punches of which transverse bars are pressed in, is further enhanced by the special **flat or C-shaped edging**. For this reason, Gridiron production uses standard grating for basement window wells and channels.
This type of grating, especially in the version with the narrow "anti-heel" mesh, is especially suited for use in residential, commercial and recreational areas with private or public pedestrian access. Therefore, this kind of product is the perfect solution in any setting that requires a refined grating.

SPECIFICATION ITEMS: Pressed grating with Gridiron type flat edge produced by pressing, with no added material. Formed of bearing bars of mm... x mm... of thickness and transverse bars of mm... x mm... Mesh of mm... x mm... calculated in axis (bearing bars mm...- transverse bars mm...). Edging bar of mm... x mm... All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m^2....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m^2...
As necessary: add item complete with frame.

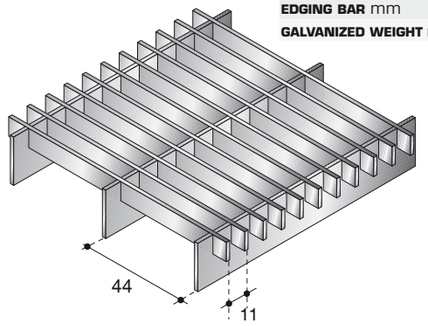


SPECIFICATION ITEMS: Pressed grating with Gridiron type C-shaped edge produced by pressing, with no added material. Formed of bearing bars of mm... x mm... of thickness and transverse bars of mm... x mm... Mesh of mm... x mm... calculated in axis (bearing bars mm...- transverse bars mm...). Edging with C-shaped profile "C". All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m^2....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m^2...
As necessary: add item complete with frame.



BEARING BAR mm	25x2	25x3	30x2	30x3	
TRANSVERSE BAR mm	10x2	10x2	10x2	10x2	
EDGING BAR mm	30x3	30x3	25x3	25x3	
GALVANIZED WEIGHT kg/m²	29.10	34.70	32.00	38.80	
	40x2	**40x3**			
	10x2	10x2			
	40x3	40x3			
	37.80	46.90			
	50x3	**60x3**	**70x3**	**80x3**	
	10x2	10x2	10x2	10x2	
	50x3	60x3	70x3	80x3	
	54.90	63.00	71.10	79.20	

MESH mm 33x11

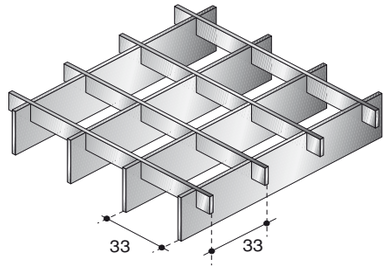


BEARING BAR mm	25x2	25x3	30x2	30x3		
TRANSVERSE BAR mm	10x2	10x2	10x2	10x2		
EDGING BAR mm	30x3	30x3	25x3	25x3		
GALVANIZED WEIGHT kg/m²	26.10	30.40	28.40	33.60		
	40x2	**40x3**	**60x3**	**50x3**	**70x3**	**80x3**
	10x2	10x2	10x2	10x2	10x2	10x2
	40x3	40x3	50x3	60x3	70x3	80x3
	33.10	40.00	46.40	52.70	59.10	65.50

MESH mm 44x11

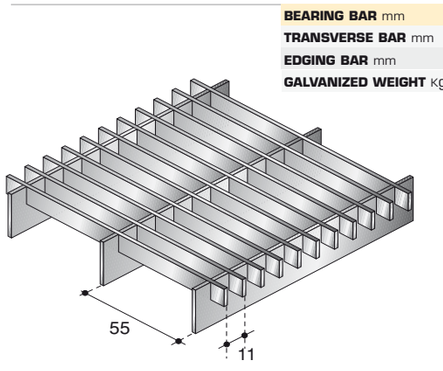
BEARING BAR mm	25x2	25x4	25x3		
TRANSVERSE BAR mm	10x2	10x2	10x3		
EDGING BAR mm	25x3	25x3	25x4		
GALVANIZED WEIGHT kg/m²	28.00	36.60	49.70		
	30x2	**30x3**	**30x4**		
	10x2	10x2	10x3		
	30x3	30x3	30x4		
	32.10	42.50	57.50		
	40x2	**40x3**	**40x4**	**50x3**	**50x4**
	10x2	10x2	10x3	10x2	10x3
	40x3	40x3	40x4	50x3	50x4
	40.40	54.20	72.90	66.00	88.40
	60x3	**60x4**	**70x3**	**70x4**	
	10x2	10x3	15x2	15x3	
	60x3	60x4	70x3	70x4	
	77.70	103.90	92.90	124.70	
	80x3	**80x4**	**90x4**	**100x4**	**150x4**
	15x2	15x3	15x3	15x3	15x3
	80x3	80x4	90x4	100x4	150x4
	104.70	140.20	155.70	171.10	248.50

MESH mm 22x22



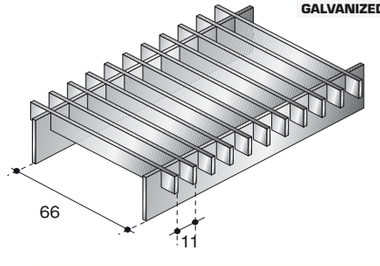
BEARING BAR mm	25x4	25x5	25x2	25x3		
TRANSVERSE BAR mm	10x2	10x2	10x3	10x4		
EDGING BAR mm	25x3	25x3	25x4	25x5		
GALVANIZED WEIGHT kg/m²	19.30	25.00	33.90	42.60		
	30x2	**30x3**	**30x4**	**30x5**		
	10x2	10x2	10x3	10x4		
	30x3	30x3	30x4	30x5		
	22.20	29.00	39.20	49.20		
	40x2	**40x3**	**40x4**	**40x5**		
	10x2	10x2	10x3	10x4		
	40x3	40x3	40x4	40x5		
	28.00	37.10	49.90	62.40		
	50x3	**50x4**	**50x5**	**60x3**	**60x4**	**60x5**
	10x2	10x3	10x4	10x2	10x3	10x4
	50x3	50x4	50x5	60x3	60x4	60x5
	45.20	60.50	75.60	53.20	71.10	88.70
	70x3	**70x4**	**70x5**	**80x3**	**80x4**	**80x5**
	15x2	15x3	20x4	15x2	15x3	20x4
	70x3	70x4	70x5	80x3	80x4	80x5
	63.60	85.30	111.30	71.70	95.90	124.50
	90x4	**90x5**	**100x4**	**100x5**	**120x4**	**120x5**
	15x3	20x4	15x3	20x4	15x3	20x4
	90x4	90x5	100x4	100x5	120x4	120x5
	106.60	137.60	117.20	150.80	138.50	177.20
	150x4	**150x5**				
	15x3	20x4				
	150x4	150x5				
	170.40	216.80				

MESH mm 33x33



BEARING BAR mm	25x2	25x3	25x4	30x2	30x3	30x4
TRANSVERSE BAR mm	10x2	10x2	10x3	10x2	10x2	10x3
EDGING BAR mm	25x3	25x3	25x4	30x3	30x3	30x4
GALVANIZED WEIGHT kg/m²	24.00	27.40	39.30	25.90	29.90	42.70
	40x2	**40x3**	**40x4**	**50x3**	**50x4**	
	10x2	10x2	10x3	10x2	10x3	
	40x3	40x3	40x4	50x3	50x4	
	29.80	35.10	49.40	40.20	56.20	
	60x3	**60x4**	**70x3**	**70x4**	**80x3**	**80x4**
	10x2	10x3	10x2	15x3	10x2	15x3
	60x3	60x4	70x3	70x4	80x3	80x4
	45.40	63.00	50.50	80.70	55.70	87.50
	90x4	**100x4**	**120x4**	**150x4**		
	15x3	15x3	15x3	15x3		
	90x4	100x4	120x4	150x4		
	94.30	101.10	114.60	134.90		

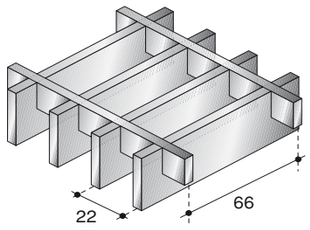
MESH mm 55x11



BEARING BAR mm	25x2	25x3	25x4	30x2	30x3	30x4
TRANSVERSE BAR mm	10x2	10x2	10x3	10x2	10x2	10x3
EDGING BAR mm	25x3	25x3	25x4	30x3	30x3	30x4
GALVANIZED WEIGHT kg/m²	22.80	25.50	36.80	24.40	27.70	39.80
	40x2	**40x3**	**40x4**	**50x3**	**50x4**	
	10x2	10x2	10x3	10x2	10x3	
	40x3	40x3	40x4	50x3	50x4	
	27.80	32.10	45.60	36.50	51.40	
	60x3	**60x4**	**70x3**	**70x4**	**80x3**	**80x4**
	10x2	10x3	10x2	15x3	10x2	15x3
	60x3	60x4	70x3	70x4	80x3	80x4
	41.00	57.20	45.40	74.00	49.80	79.80
	90x4	**100x4**	**120x4**	**150x4**		
	15x3	15x3	15x3	15x3		
	90x4	100x4	120x4	150x4		
	85.60	91.40	103.00	120.40		

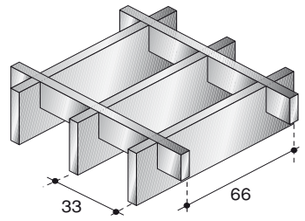
MESH mm 66x11

BEARING BAR mm	25x4	25x5	25x2	25x3		
TRANSVERSE BAR mm	10x2	10x2	10x3	10x4		
EDGING BAR mm	25x3	25x3	25x4	25x5		
GALVANIZED WEIGHT kg/m²	23.10	31.80	42.30	52.70		
	30x2	**30x3**	**30x4**	**30x5**		
	10x2	10x2	10x3	10x4		
	30x3	30x3	30x4	30x5		
	27.30	37.60	50.10	62.80		
	40x2	**40x3**	**40x4**	**40x5**		
	10x2	10x2	10x3	10x4		
	40x3	40x3	40x4	40x5		
	35.60	49.40	65.50	81.50		
	50x3	**50x4**	**50x5**			
	10x2	10x3	10x4			
	50x3	50x4	50x5			
	61.10	81.00	100.70			
	60x3	**60x4**	**60x5**			
	10x2	10x3	10x4			
	60x3	60x4	60x5			
	72.90	96.50	119.80			
	70x3	**70x4**	**70x5**			
	15x2	15x3	20x4			
	70x3	70x4	70x5			
	85.70	113.60	143.50			
	80x3	**80x4**	**80x5**	**90x4**	**90x5**	
	15x2	15x3	20x4	15x3	20x4	
	80x3	80x4	80x5	90x4	90x5	
	97.50	129.10	162.70	144.60	181.90	
	100x4	**100x5**	**150x4**	**150x5**		
	15x3	20x4	15x4	20x4		
	100x4	100x5	150x4	150x5		
	160.00	201.00	237.40	296.90		



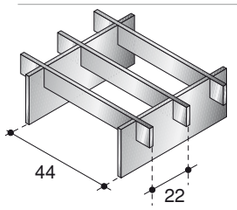
MESH mm 22x66

BEARING BAR mm	25x4	25x5	25x2	25x3		
TRANSVERSE BAR mm	10x2	10x2	10x3	10x4		
EDGING BAR mm	25x3	25x3	25x4	25x5		
GALVANIZED WEIGHT kg/m²	16.90	22.50	30.20	37.70		
	30x2	**30x3**	**30x4**	**30x5**		
	10x2	10x2	10x3	10x4		
	30x3	30x3	30x4	30x5		
	19.80	26.60	35.50	44.30		
	40x2	**40x3**	**40x4**	**40x5**		
	10x2	10x2	10x3	10x4		
	40x3	40x3	40x4	40x5		
	25.60	34.70	46.10	57.50		
	50x3	**50x4**	**50x5**	**60x3**	**60x4**	**60x5**
	10x2	10x3	10x4	10x2	10x3	10x4
	50x3	50x4	50x5	60x3	60x4	60x5
	42.70	56.80	70.70	50.80	67.40	83.90
	70x3	**70x4**	**70x5**	**80x3**	**80x4**	**80x5**
	15x2	15x3	20x4	15x2	15x3	20x4
	70x3	70x4	70x5	80x3	80x4	80x5
	60.00	79.80	101.50	68.10	90.40	114.70
	90x4	**90x5**	**100x4**	**100x5**	**120x4**	**120x5**
	15x3	20x4	15x3	20x4	15x3	20x4
	90x4	90x5	100x4	100x5	120x4	120x5
	101.00	127.90	111.70	141.10	132.90	167.50
	150x4	**150x5**				
	15x3	20x4				
	150x4	150x5				
	164.90	207.00				



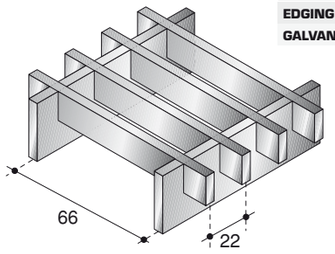
MESH mm 33x66

BEARING BAR mm	25x2	25x3	30x2	30x3		
TRANSVERSE BAR mm	10x2	10x2	10x2	10x2		
EDGING BAR mm	30x3	30x3	25x3	25x3		
GALVANIZED WEIGHT kg/m²	18.70	23.10	21.10	26.20		
	40x2	**40x3**	**60x3**	**50x3**	**70x3**	**80x3**
	15x2	15x2	10x2	10x2	10x2	10x2
	40x3	40x3	50x3	60x3	70x3	80x3
	25.70	32.60	39.00	45.30	55.20	61.60



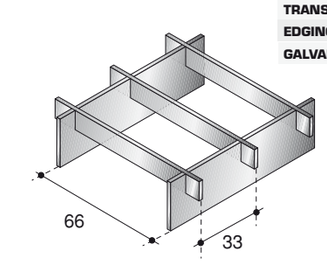
MESH mm 44x22

BEARING BAR mm	25x2	25x3	25x4	30x2	30x3	30x4
TRANSVERSE BAR mm	10x2	10x2	10x3	10x2	10x2	10x3
EDGING BAR mm	25x3	25x3	25x4	30x3	30x3	30x4
GALVANIZED WEIGHT kg/m²	15.40	18.10	25.50	17.10	20.30	28.40
	40x2	**40x3**	**40x4**	**50x3**	**50x4**	
	10x2	10x2	10x3	10x2	10x3	
	40x3	40x3	40x4	50x3	50x4	
	20.40	24.80	34.20	29.20	40.00	
	60x3	**60x4**	**70x3**	**70x4**	**80x3**	**80x4**
	10x2	10x3	15x2	15x3	15x2	15x3
	60x3	60x4	70x3	70x4	80x3	80x4
	33.60	45.80	41.50	57.00	45.90	62.80
	90x4	**100x4**	**120x4**	**150x4**		
	15x3	15x3	15x3	15x3		
	90x4	100x4	120x4	150x4		
	68.60	74.40	86.00	103.40		



MESH mm 66x22

BEARING BAR mm	25x2	25x3	25x4	30x2	30x3	30x4
TRANSVERSE BAR mm	10x2	10x2	10x3	10x2	10x2	10x3
EDGING BAR mm	25x3	25x3	25x4	30x3	30x3	30x4
GALVANIZED WEIGHT kg/m²	13.00	15.70	21.80	14.60	17.90	24.70
	40x2	**40x3**	**40x4**	**50x3**	**50x4**	
	10x2	10x2	10x3	10x2	10x3	
	40x3	40x3	40x4	50x3	50x4	
	18.00	22.30	30.50	26.80	36.30	
	60x3	**60x4**	**70x3**	**70x4**	**80x3**	**80x4**
	10x2	10x3	15x2	15x3	15x2	15x3
	60x3	60x4	70x3	70x4	80x3	80x4
	31.20	42.10	37.90	51.40	42.30	57.20
	90x4	**100x4**	**120x4**	**150x4**		
	15x3	15x3	15x3	15x3		
	90x4	100x4	120x4	150x4		
	63.00	68.90	80.50	97.90		

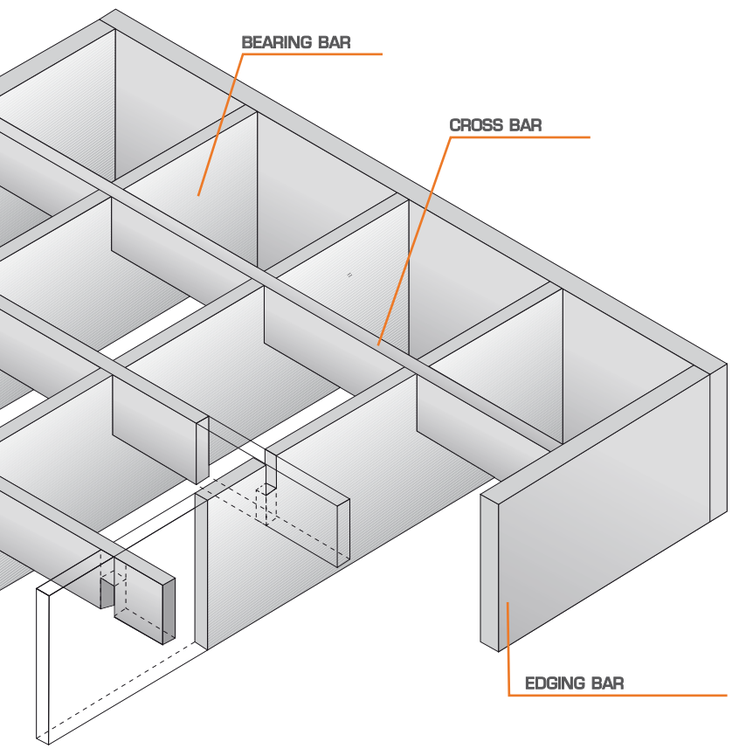


MESH mm 66x33

GRIDIRON
GRIGLIATI TECNICI

PRESSED GRATINGS

> cross custom sizes with different sized flat bars



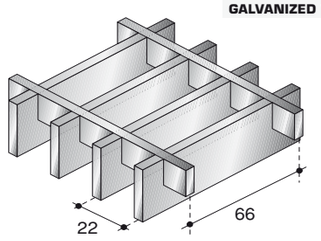
The **cross-pressed grating with different sized flat bars**, thanks to its structure, resolves special situations that require **sturdiness and non-deformability**. The bearing bars and the cross bars are both punched and inserted into one another at the punches. The resulting panel is especially compact since each cross of the bars holds the grating in place. Even situations of particular stress, such as a turning point of a static forklift or a heavy vehicle on the grating, which are potentially harmful for a pressed grating, are not able to deform the structure.

The cross-pressed grating with different sized flat bars is **available with various meshes,** each of which can be combined with various types of bar. It is always provided **in custom size finished panels, edged and hot dip galvanized,** ready for installation.

The version in cross-pressed grating with different sized flat bars can be supplied with any mesh and section of special bar.

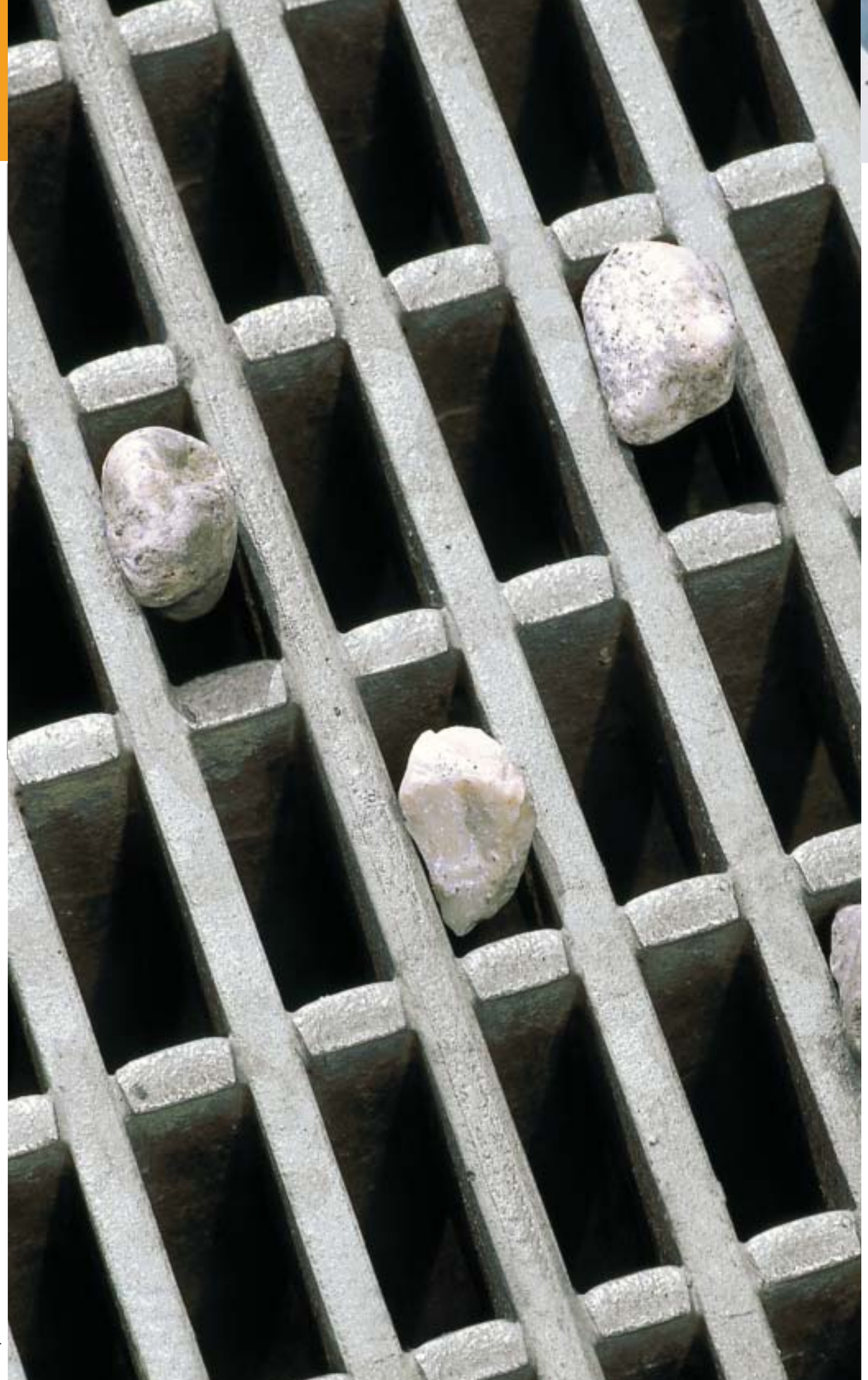
Also available in pickled and/or polished stainless steel, or in aluminium.

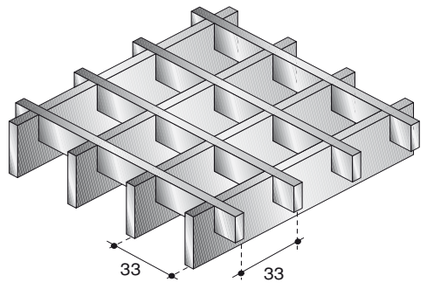
SPECIFICATION ITEMS: Gridiron type pressed crossed grating with different sized flat bars produced by pressing, with no added material. Formed of bearing bars of mm... x mm... of thickness and cross bars of mm... x mm... Mesh of mm... x mm... calculated in axis (bearing bars mm...- cross bars mm...). Edging bar of mm... x mm...
All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m^2....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m^2...
As necessary: add item complete with frame.



MESH mm 22x66

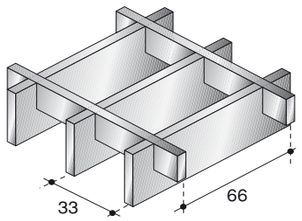
BEARING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
CROSS BAR mm	15x4	15x5	15x6	15x4	15x5	15x6
EDGING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
GALVANIZED WEIGHT kg/m^2	53.40	66.20	79.00	68.90	85.40	101.90
	50x4	**50x5**	**50x6**	**60x4**	**60x5**	**60x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	50x4	50x5	50x6	60x4	60x5	60x6
	84.40	104.60	124.70	99.80	123.80	147.60
	70x4	**70x5**	**70x6**	**80x4**	**80x5**	**80x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	70x4	70x5	70x6	80x4	80x5	80x6
	115.30	142.90	170.50	130.80	162.10	193.30
	90x4	**90x5**	**90x6**	**100x4**	**100x5**	**100x6**
	30x4	30x5	30x6	30x4	30x5	30x6
	90x4	90x5	90x6	100x4	100x5	100x6
	153.00	189.70	226.20	168.50	208.80	249.10
	120x4	**120x5**	**120x6**	**150x5**	**150x6**	
	30x4	30x5	30x6	30x5	30x6	
	120x4	120x5	120x6	150x5	150x6	
	199.40	247.20	294.80	304.70	363.40	





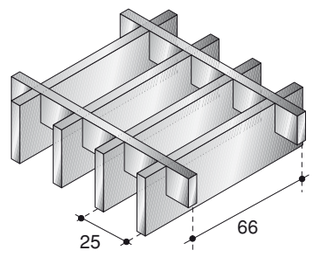
MESH mm 33x33

BEARING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
CROSS BAR mm	15x4	15x5	15x6	15x4	15x5	15x6
EDGING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
GALVANIZED WEIGHT kg/m²	46.20	57.30	68.30	56.80	70.50	84.10
	50x4	**50x5**	**50x6**	**60x4**	**60x5**	**60x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	50x4	50x5	50x6	60x4	60x5	60x6
	67.50	83.60	99.80	78.10	96.80	115.50
	70x4	**70x5**	**70x6**	**80x4**	**80x5**	**80x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	70x4	70x5	70x6	80x4	80x5	80x6
	88.70	110.00	131.20	99.40	123.20	147.00
	90x4	**90x5**	**90x6**	**100x4**	**100x5**	**100x6**
	30x4	30x5	30x6	30x4	30x5	30x6
	90x4	90x5	90x6	100x4	100x5	100x6
	124.00	153.80	183.50	134.60	167.00	199.20
	120x4	**120x5**	**120x6**	**150x5**	**150x6**	
	30x4	30x5	30x6	30x5	30x6	
	120x4	120x5	120x6	150x5	150x6	
	155.90	193.30	230.70	232.90	277.80	



MESH mm 33x66

BEARING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
CROSS BAR mm	15x4	15x5	15x6	15x4	15x5	15x6
EDGING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
GALVANIZED WEIGHT kg/m²	38.90	48.20	57.50	49.50	61.40	73.20
	50x4	**50x5**	**50x6**	**60x4**	**60x5**	**60x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	50x4	50x5	50x6	60x4	60x5	60x6
	60.10	74.60	89.00	70.80	87.80	104.70
	70x4	**70x5**	**70x6**	**80x4**	**80x5**	**80x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	70x4	70x5	70x6	80x4	80x5	80x6
	81.40	100.90	120.40	92.10	114.10	136.10
	90x4	**90x5**	**90x6**	**100x4**	**100x5**	**100x6**
	30x4	30x5	30x6	30x4	30x5	30x6
	90x4	90x5	90x6	100x4	100x5	100x6
	109.50	135.70	161.90	120.10	148.90	177.60
	120x4	**120x5**	**120x6**	**150x5**	**150x6**	
	30x4	30x5	30x6	30x5	30x6	
	120x4	120x5	120x6	150x5	150x6	
	141.40	175.30	209.10	214.80	256.20	



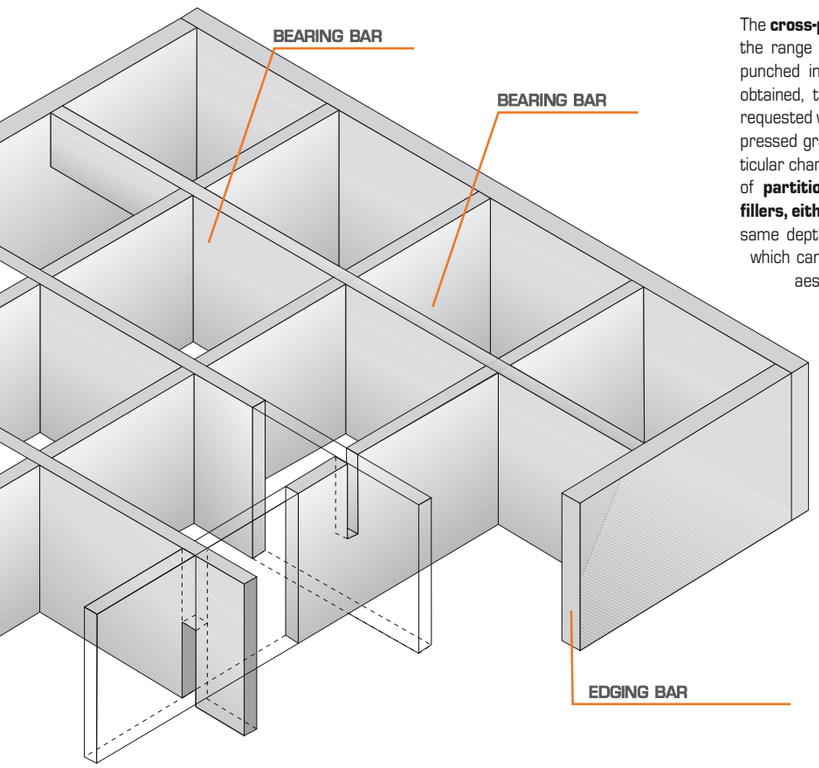
MESH mm 25x66

BEARING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
CROSS BAR mm	15x4	15x5	15x6	15x4	15x5	15x6
EDGING BAR mm	30x4	30x5	30x6	40x4	40x5	40x6
GALVANIZED WEIGHT kg/m²	48.60	60.20	71.80	62.40	77.40	92.30
	50x4	**50x5**	**50x6**	**60x4**	**60x5**	**60x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	50x4	50x5	50x6	60x4	60x5	60x6
	76.30	94.60	112.80	90.10	111.80	133.30
	70x4	**70x5**	**70x6**	**80x4**	**80x5**	**80x6**
	15x4	15x5	15x6	15x4	15x5	15x6
	70x4	70x5	70x6	80x4	80x5	80x6
	104.00	128.90	153.80	117.90	146.10	174.30
	90x4	**90x5**	**90x6**	**100x4**	**100x5**	**100x6**
	30x4	30x5	30x6	30x4	30x5	30x6
	90x4	90x5	90x6	100x4	100x5	100x6
	138.50	171.70	204.80	152.30	188.90	225.30
	120x4	**120x5**	**120x6**	**150x5**	**150x6**	
	30x4	30x5	30x6	30x5	30x6	
	120x4	120x5	120x6	150x5	150x6	
	180.00	223.20	266.20	274.70	327.70	

GRIDIRON®
GRIGLIATI TECNICI

CROSS-PRESSED GRATINGS

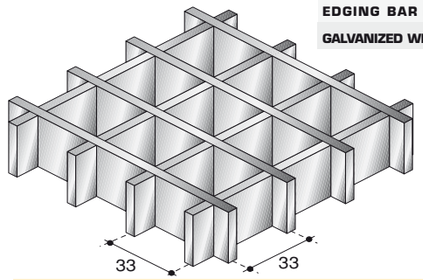
> cross custom sizes with same depth flat bars



The **cross-pressed grating with same depth flat bars** completes the range of Gridiron gratings. Both bars of the same size are punched in the same way and then coupled at the slots thus obtained, to form **a panel with both sides the same**. Mostly requested with wide mesh for obvious aesthetic reasons, the cross-pressed grating with same depth flat bars does not have any particular characteristics of capacity. It is mostly used for the creation of **partition panels, parapets, false ceilings or ornamental fillers, either indoors or outdoors**. The cross-pressed grating with same depth flat bars is **available in different meshes**, each of which can be combined with various types of bars, to cover any aesthetic need. It is always provided in custom size finished panels, edged and hot galvanized, ready for installation.

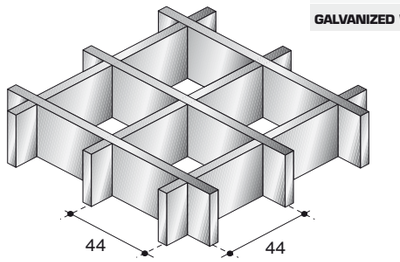
Also available in pickled and/or polished stainless steel, or in aluminium.

SPECIFICATION ITEMS: Gridiron type pressed crossed grating with same depth flat bars produced by pressing, with no added material. Formed of bearing bars of mm... x mm... of thickness. Mesh of mm... x mm... calculated in axis. Edging bar of mm... x mm... All edged and hot dip galvanized in panels of mm... x mm...
Distributed capacity: kg/m^2....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m^2...
As necessary: add item complete with frame.



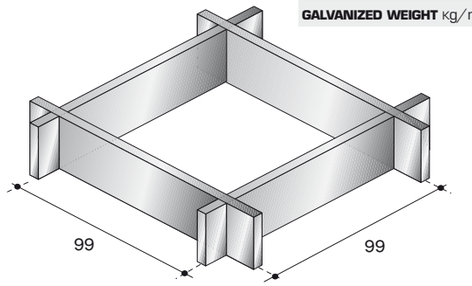
MESH mm 33x33

BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m^2	26.00	38.10	31.10	45.70	60.20		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	41.50	60.80	80.20	99.50			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	76.00	100.10	124.20				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	91.10	120.10	149.00	106.30	140.10	173.80	



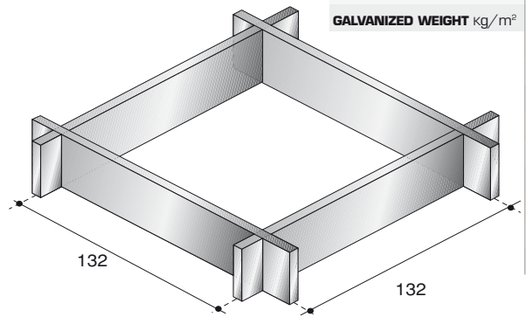
MESH mm 44x44

BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m^2	20.10	29.50	24.10	35.40	46.60		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	32.10	47.10	62.10	77.00			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	58.80	77.50	96.20				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	70.60	93.00	115.40	82.30	108.50	134.60	



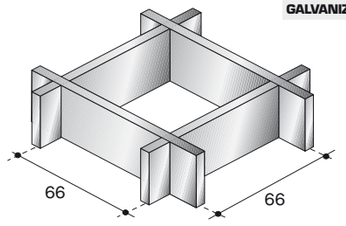
BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	9.20	13.50	11.10	16.20	21.40		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	14.70	21.60	28.50	35.30			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	27.00	35.60	44.10				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	32.40	42.70	52.90	37.80	49.80	61.70	

MESH mm 99x99



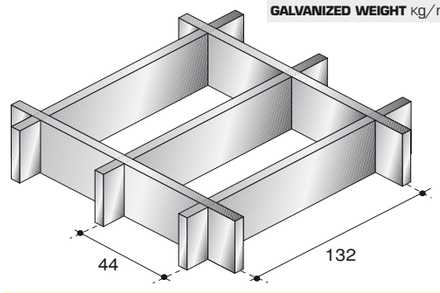
BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	7.50	11.10	9.00	13.30	17.50		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	12.00	17.70	23.30	28.90			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	22.10	29.10	36.10				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	26.50	34.90	43.30	30.90	40.70	50.50	

MESH mm 132x132



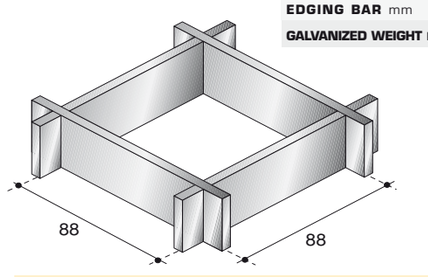
BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	13.40	19.70	16.10	23.60	31.10		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	21.40	31.40	41.40	51.40			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	39.20	51.70	64.20				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	47.10	62.00	77.00	54.90	72.30	89.80	

MESH mm 66x66



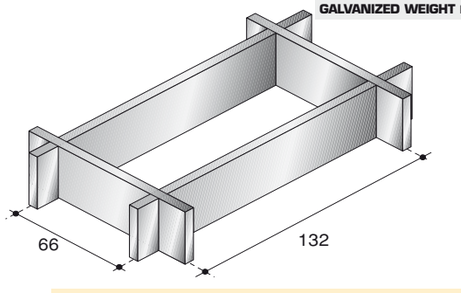
BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	13.80	20.30	16.60	24.30	32.00		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	22.10	32.40	42.70	52.90			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	40.50	53.30	66.10				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	48.60	64.00	79.30	56.60	74.60	92.50	

MESH mm 44x132



BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	10.10	14.80	12.10	17.70	23.30		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	16.10	23.60	31.10	38.50			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	29.40	38.80	48.10				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	35.30	46.50	57.70	41.20	54.30	67.30	

MESH mm 88x88



BEARING BAR mm	25x2	25x3	30x2	30x3	30x4		
EDGING BAR mm	25x2	25x3	30x2	30x3	30x4		
GALVANIZED WEIGHT kg/m²	10.50	15.40	12.60	18.40	24.30		
	40x2	**40x3**	**40x4**	**40x5**			
	40x2	40x3	40x4	40x5			
	16.70	24.60	32.30	40.10			
	50x3	**50x4**	**50x5**				
	50x3	50x4	50x5				
	30.70	40.40	50.10				
	60x3	**60x4**	**60x5**	**70x3**	**70x4**	**70x5**	
	60x3	60x4	60x5	70x3	70x4	70x5	
	36.80	48.50	60.10	42.90	56.50	70.10	

MESH mm 66x132

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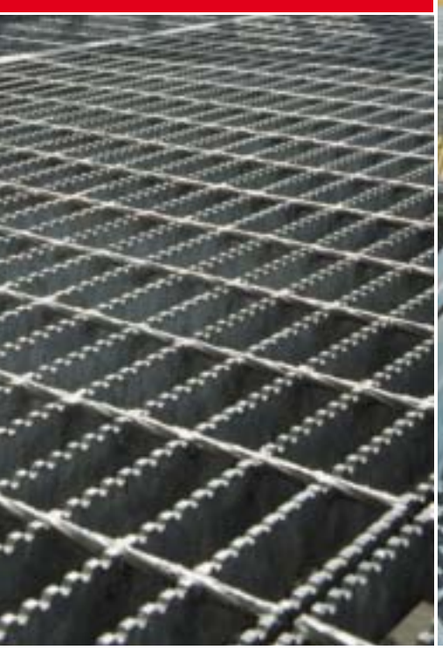
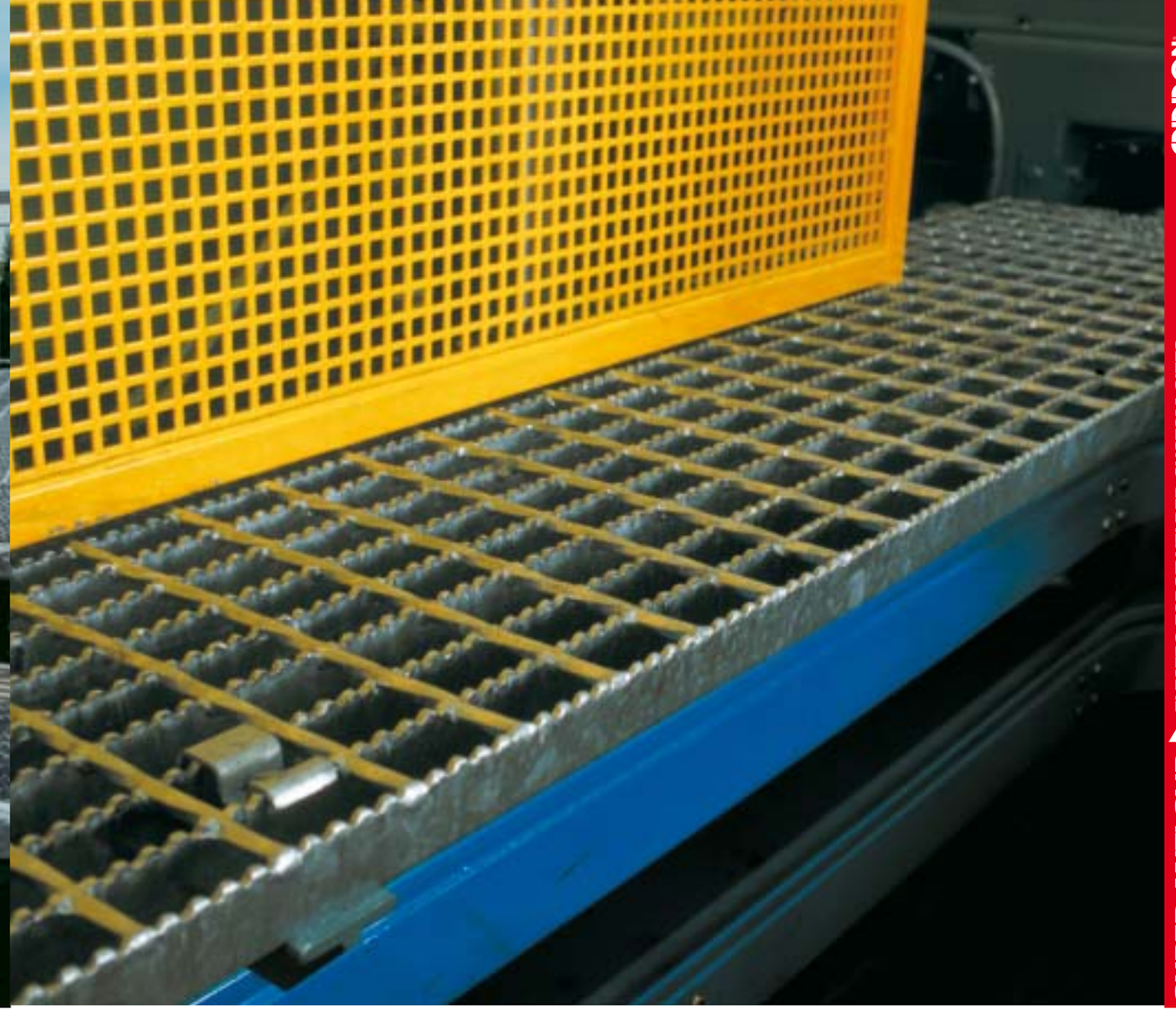
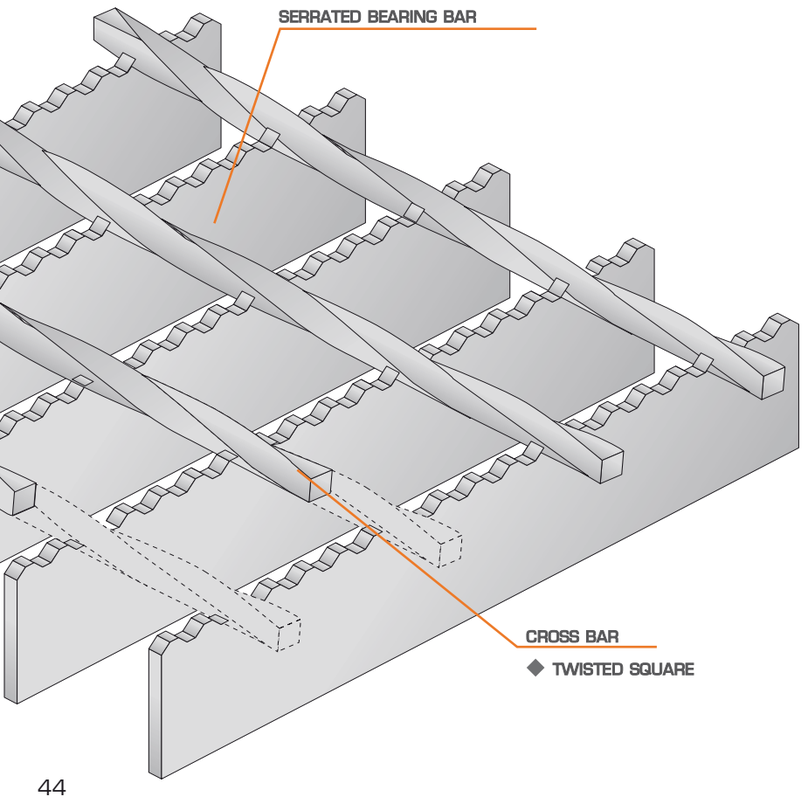
SUPER ANTI-SLIP
GRATINGS

> **electro-forgewelded custom sizes**

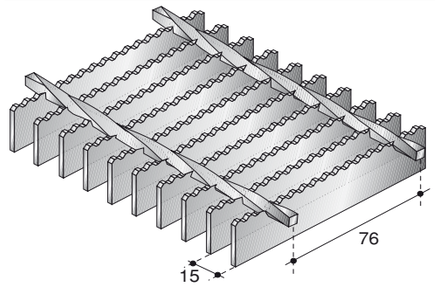






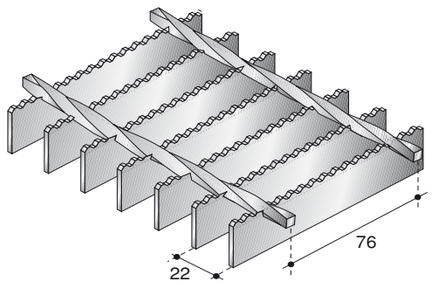
The term super anti-slip (SAS) identifies the grating that features **special serrations on the upper part of the bearing bars** which provide extra **non-slip properties of the surface of the panels**.
This type of grating is designed to **comply with accident prevention standards**, but it is in any case used wherever work takes place in the presence of liquids and oily substances.
The **electro-forgewelded super anti-slip** is available in various meshes, each of which can be used with various types of bars.

SPECIFICATION ITEMS: Gridiron type electro-forgewelded super anti-slip grating produced by electro-forgewelding with no added material. Formed of serrated bearing bars of mm... x mm... of thickness and connection spacers in twisted squares of mm... per side. Mesh of mm...x mm... calculated in axis (bearing bars mm...- twisted squares for connection mm..). Edging bar of mm... x mm...
All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m²....
Concentrated capacity on footprint of mm.. x mm..: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m²...
As necessary: add item complete with frame.



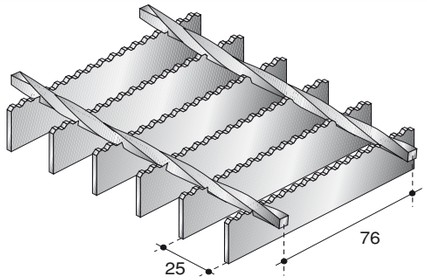
MESH mm 15x76

BEARING BAR mm	**30x3**
CROSS BAR mm	◆ 5
SELF-COLOURED WEIGHT kg/m²	48.30
GALVANIZED WEIGHT kg/m²	50.81



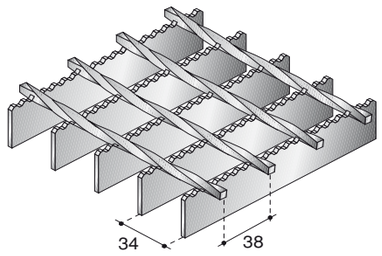
MESH mm 22x76

BEARING BAR mm	**30x3**
CROSS mm	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	34.39
GALVANIZED WEIGHT kg/m²	36.17



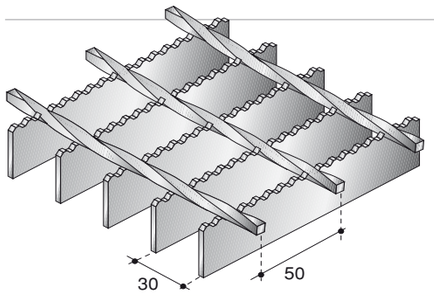
MESH mm 25x76

BEARING BAR mm	**40x3**
CROSS BAR mm	◆ 5
SELF-COLOURED WEIGHT kg/m²	39.40
GALVANIZED WEIGHT kg/m²	41.40



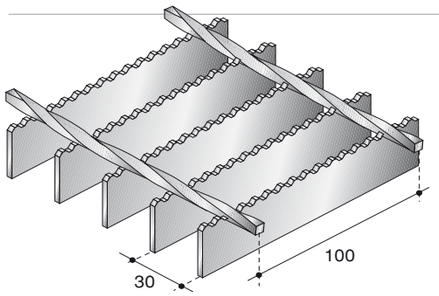
MESH mm 34x38

BEARING BAR mm	**30x3**
CROSS BAR mm	◆ 4.5
SELF-COLOURED WEIGHT kg/m²	24.18
GALVANIZED WEIGHT kg/m²	25.48



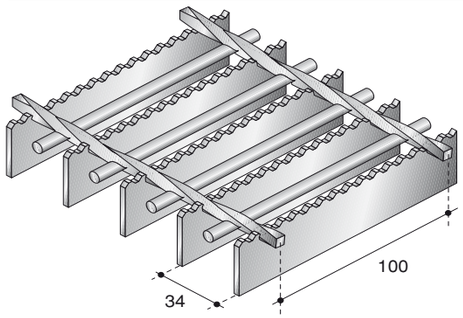
MESH mm 30x50

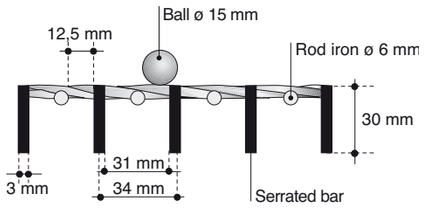
BEARING BAR mm	**30x3**	**30x4**
CROSS BAR mm	◆ 4.5	◆ 6
SELF-COLOURED WEIGHT kg/m²	26.00	35.90
GALVANIZED WEIGHT kg/m²	27.40	37.39



MESH mm 30x100

BEARING BAR mm	**25x5**	
CROSS BAR mm	◆ 6	
SELF-COLOURED WEIGHT kg/m²	33.96	
GALVANIZED WEIGHT kg/m²	35.18	
	30x3	**30x5**
	◆ 5	◆ 6
	24.71	40.67
	26.01	42.06





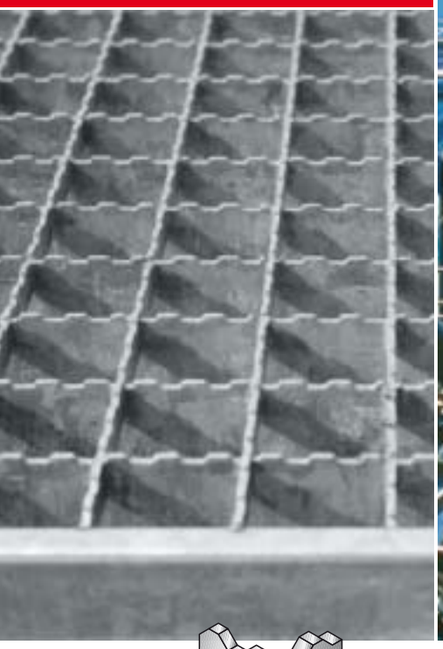
MESH mm 34x100 OFF-SHORE

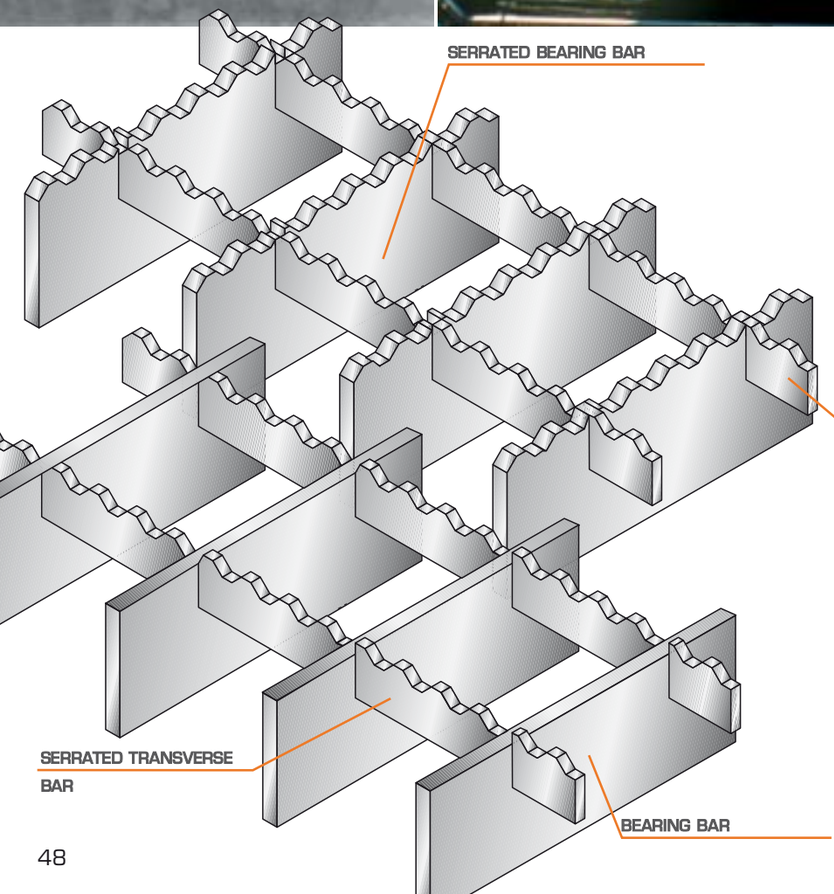
BEARING BAR mm	**30x3**
CROSS BAR mm	◆ 6
SELF-COLOURED WEIGHT kg/m²	29.27
GALVANIZED WEIGHT kg/m²	30.67

THE OFF-SHORE GRATING finds special and exclusive application in the construction of marine rigs. Comprised of serrated bars alternating with rod irons, in order to lighten the panel, it preserves safety characteristics intact and unaltered. Thanks to the structure with dense meshes, it also acquires the capacity to trap small objects (15 mm), which is essential for off-shore facilities.

SUPER ANTI-SLIP GRATINGS

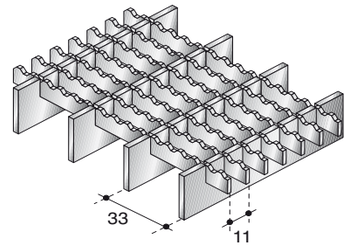
> pressed custom sizes





The **pressed super anti-slip grating** features **special notches** on the upper side of the bearing bars and in some cases also on the transverse bars. These notches make the panels **slip-proof and safe**, with an excellent finish and a pleasant appearance.
The super anti-slip version can be provided with **any mesh and section of bar.**

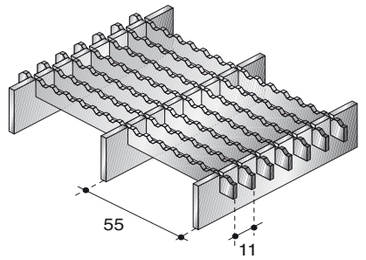
SPECIFICATION ITEMS: Gridiron type pressed super anti-slip grating produced by pressing with no added material. Formed of bearing bars of mm... x mm... of thickness and transverse bars of mm... x mm... Mesh of mm... x mm... calculated in axis (bearing bars mm...- transverse bars mm...).
All edged and hot dip galvanized in panels of mm... x mm...
The first measurement refers to the dimension of the bearing bars.
Distributed capacity: kg/m²....
Concentrated capacity on footprint of mm...: x mm...: kg...
Maximum allowed camber: mm...
Weight of grating: Kg/m²...
As necessary: add item complete with frame.



MESH mm 33x11

BEARING BAR mm	25x2	25x3
TRANSVERSE BAR mm	10x2	10x2
GALVANIZED WEIGHT kg/m²	28.50	32.30
	30x2	**30x3**
	10x2	10x2
	31.20	35.80
	40x2	**40x3**
	10x2	10x2
	36.50	43.20

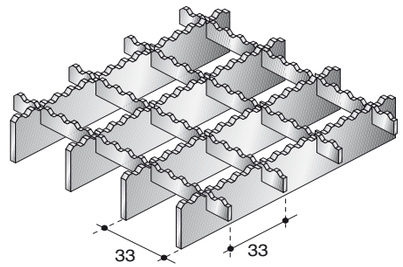
with notches only on cross bar



MESH mm 55x11

BEARING BAR mm	25x2	25x3
TRANSVERSE BAR mm	10x2	10x2
GALVANIZED WEIGHT kg/m²	23.30	25.50
	30x2	**30x3**
	10x2	10x2
	25.00	27.60
	40x2	**40x3**
	10x2	10x2
	28.40	32.20

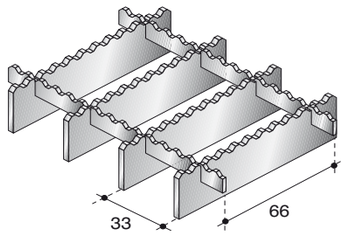
with notches only on cross bar



MESH mm 33x33

BEARING BAR mm	25x2	25x3
TRANSVERSE BAR mm	10x2	10x2
GALVANIZED WEIGHT kg/m²	19.00	24.10
	30x2	**30x3**
	10x2	10x2
	21.70	27.00
	40x2	**40x3**
	10x2	10x2
	27.00	34.20

with notches on both parts



MESH mm 33x66

BEARING BAR mm	25x2	25x3
TRANSVERSE BAR mm	10x2	10x2
GALVANIZED WEIGHT kg/m²	16.70	21.80
	30x2	**30x3**
	10x2	10x2
	19.40	25.40
	40x2	**40x3**
	10x2	10x2
	24.80	32.80

with notches on both parts

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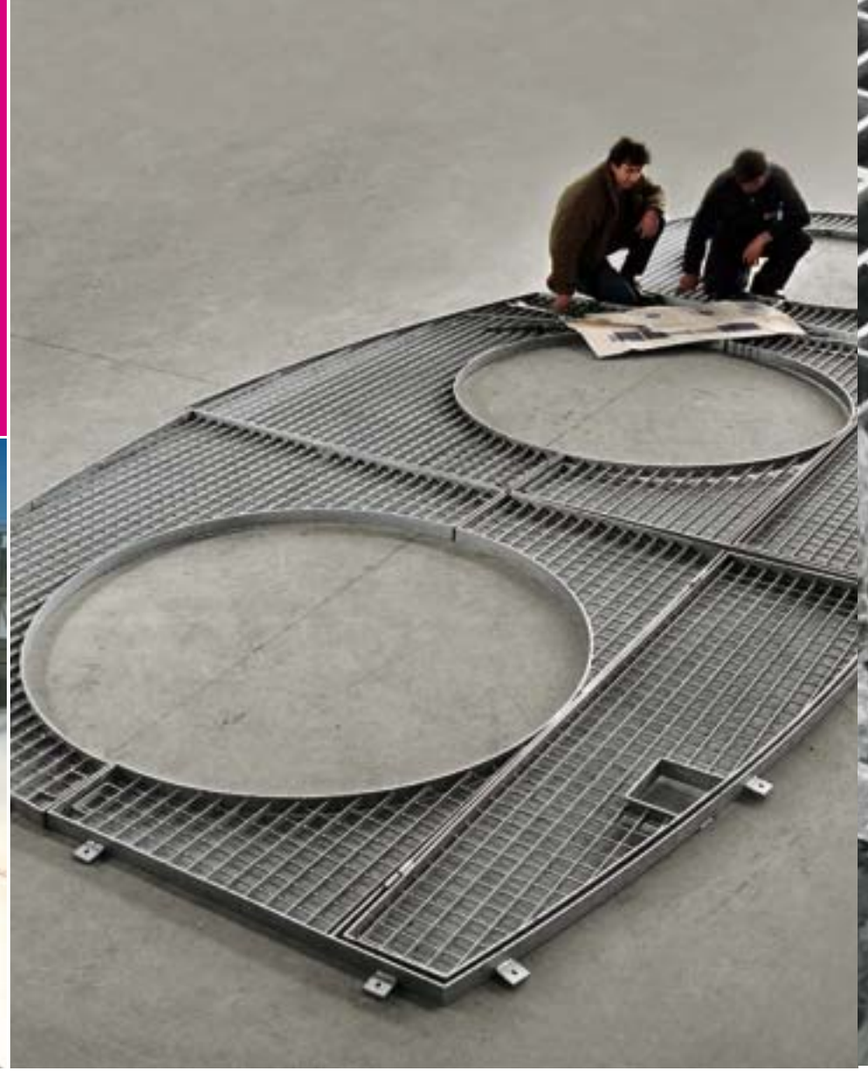
SPECIAL PRODUCTS

SPECIAL PRODUCTS

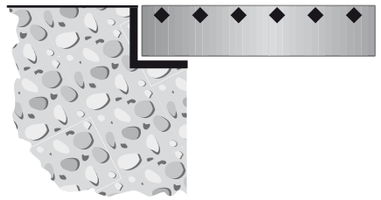
> custom size shaped grating



The substantial versatility of the pressed and electro-forgewelded grating permits special linear, transversal or curved cuts on panels which, thus shaped, fully satisfy any special application.
Gridiron technical office, thanks to the support of advanced information systems, can design any type of grating for applications in the construction, industrial, and civil sectors. The qualitative, technological and constructive union thus provides effective solutions for large projects.

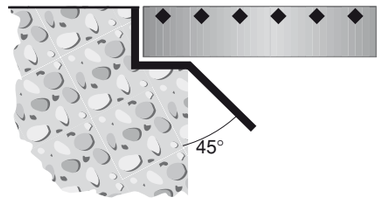
FRAMES

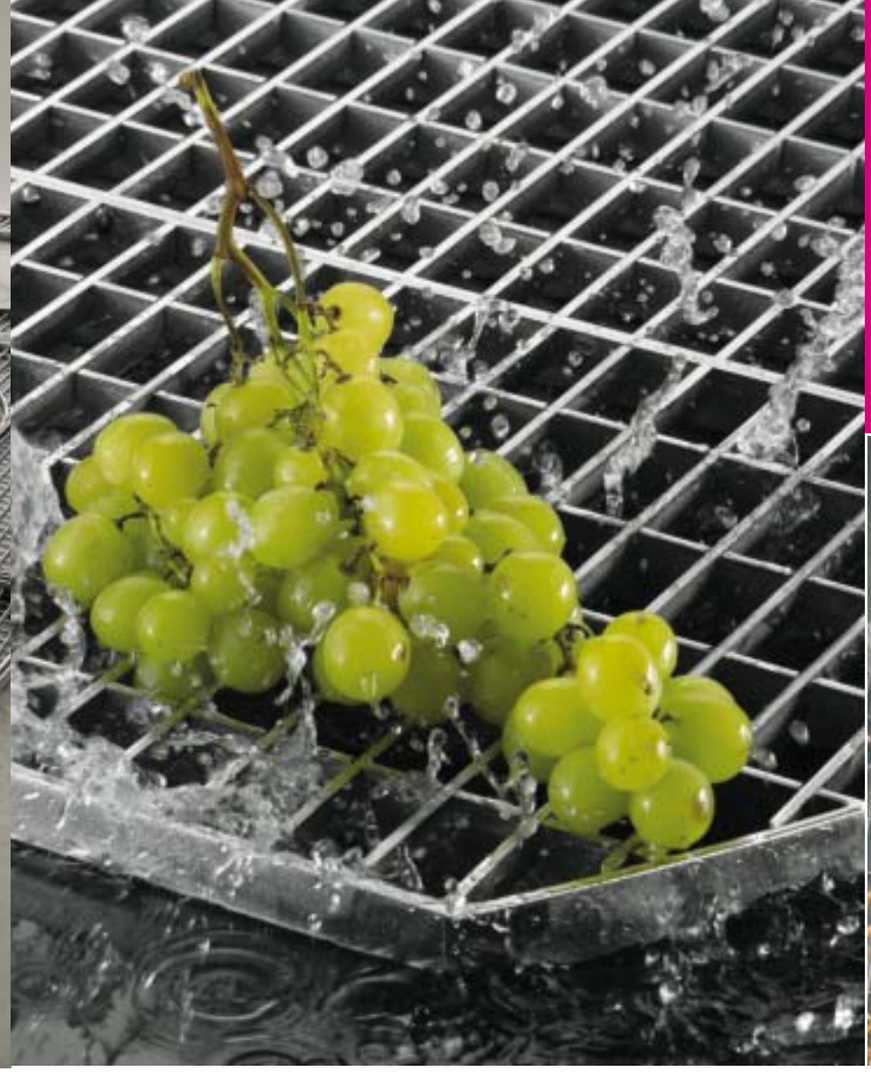
The containment frames are an inseparable accessory of gratings.
Manufactured in hot dip galvanized steel out of various sections according to needs, they are constructed with special fastening tangs for installation. They are normally classified as "island frames" or "wall-mounted frames", depending on whether they have one or more sides in contact with the concrete wall.



FRAMES WITH DRIP MOULDING

This particular frame is constructed with a special hot galvanized Z-shaped profile. It is the ideal solution to keep water from running along the concrete walls under the grating. This also greatly limits the formation of mould and moss. Also for this version of frame, it is possible to provide wall-mounted or island tangs.





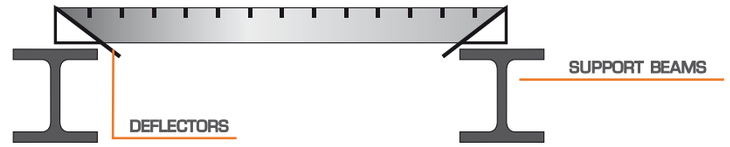
GRIDIRON ®
SPECIAL PRODUCTS

SPECIAL PRODUCTS

> special pressed gratings

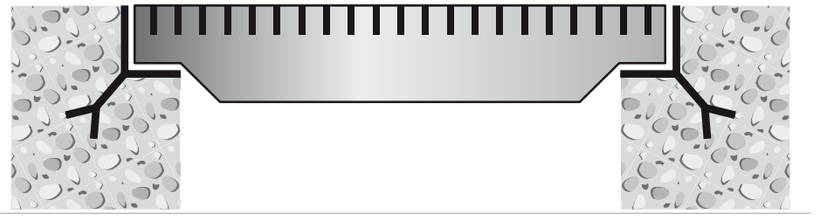
ANTI-RESIDUE DEFLECTORS

Gridiron has created a special finish for the panels in pressed grating used in the sector of grain processing and storage. It consists of inclined edging (commonly called "deflector") which favours the flow of grain and prevents accumulation on the upper parts of the support beams. All of this is as shown in the section.



TAPERING

The tapered shaping of bearing bars becomes necessary when a special load capacity is required and there is a previously existing frame that is not deep enough.
Each bearing bar of the panel is thus contoured to adapt it to the corner, as shown in the section at bottom. This makes it unnecessary to replace the frame, while still ensuring the required capacity.



GRIDIRON®
SPECIAL PRODUCTS

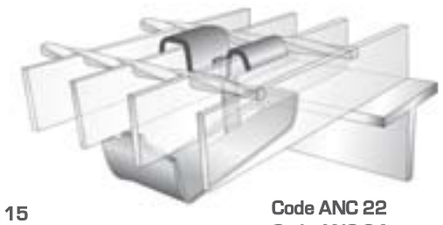
SPECIAL PRODUCTS

> fastening systems

> STABILO FIXINGS

Completely hot dip galvanized steel accessory that allows stable fastening of gratings to a support or beam.
The upper bracket, available in three different formats, makes anchoring suitable for fastening gratings with distances between bearing bars of 15, 22, 25, 30 and 34 mm. The universal lower bracket is equipped with a slot that allows maximum adaptability to the most widely varying methods of fastening.

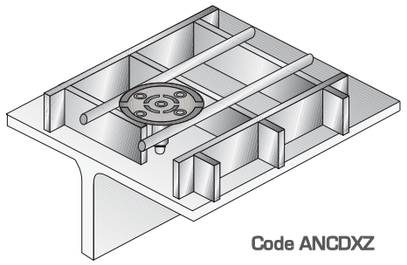
Code ANC 15



Code ANC 22
Code ANC 34

> HILTI FIXINGS

Fastening systems for grating walkways, composed of a threaded stud and a flange, completely galvanized and also available in stainless steel on request. Valid exclusively for gratings with bearing bars h 25 and/or 30 mm. Easy to install and remove, it ensures a sure grip even for dynamic loads, and its gasket ensures an elastic hold.



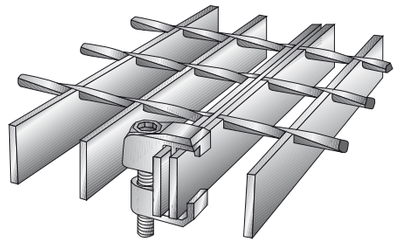
Code ANCDXZ

> RESISTO JOINT

This is a practical, extremely functional joint. Turning the bolt places traction on the two brackets that comprise it. This safely tightens two adjacent panels without using any nuts.

Code ANCRES for grating with thickness load-bearing bars 2 and 3 mm

Code ANCRES4 for grating with thickness load-bearing bars 4 and 5 mm

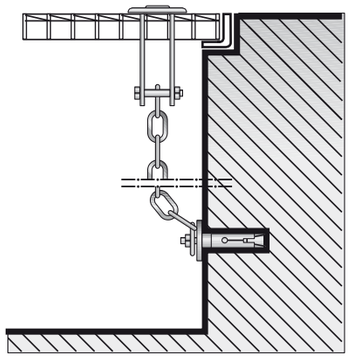


anti-theft systems

> BLINDO anti-theft system

The BLINDO patented anti-theft system, designed especially for removable basement window wells, efficiently resolves anchoring problems of the gratings. The upper U-bolt fastens onto two bars of the grating and the sturdy chain is fastened with the insert to the concrete wall of the basement window well, so that the grating can only be unfastened from the inside.
Two anti-theft devices are normally required for each grating.

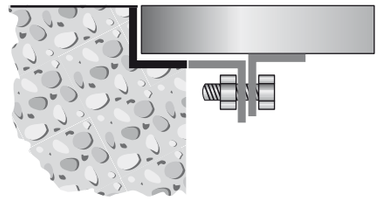
Code 1000



> BLOCK anti-theft system

Especially effective against break-ins and generally requested for basement window wells in residential buildings, the BLOCK anti-theft device is composed of a perforated bar welded to the lower part of the grating, to be welded to a corresponding one that is welded to the frame. In this way, the grating can be opened only from the inside.

Code 1000S



GRIDIRON
GRIGLIATI TECNICI

GRIDIRON®
SPECIAL PRODUCTS

ANTIQUE FINISH GRIDS

> for outstanding architecture

Gridiron has always sought the finest products to satisfy the most attentive customers, and now offers a type of **antique finish grids**.
This innovative solution can **be applied in the renovation and restructuring of historic town centres**, reducing the environmental impact, thus conserving the atmosphere, traditions and appeal of past times.
In custom sizes, with extra-thick bearing bars with frame, the grids are **hot dip galvanized** in accordance with standard UNI EN ISO 1461 and **enhanced through heat-setting epoxy powder finishes**, with a **characteristic burnished and slightly opaque colour**, which gives the grid its classic antique appearance.

GRIDIRON®
GRIGLIATI TECNICI

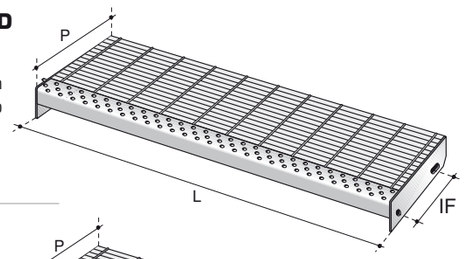
SAFE STEPS AND STAIRTREADS

> in electro-forgewelded and in pressed grating

L = LENGTH P = TREAD IF: SPACE BETWEEN HOLES

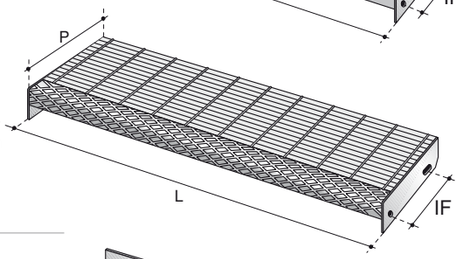
SAFE STEPS AND STAIRTREADS WITH FRONT PERFORATED NOSING

The classic safe step includes application of a **front perforated nosing,** which acts as an anti-slip. This is not only safer for the people using the stairs; it also contributes generally to a more stable structure.



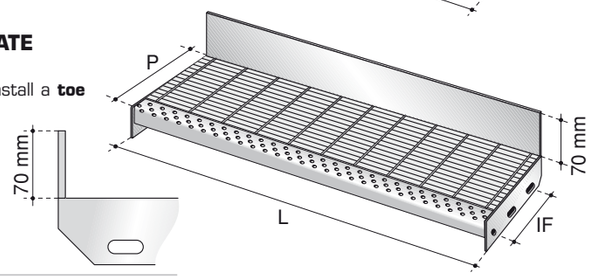
SAFE STEPS AND STAIRTREADS WITH STRIATED NOSING SHEET METAL

Sometimes, steps are requested with **nosing in striated nosing sheet metal** instead of perforated, for aesthetic reasons. The versatility Gridiron production can also fulfill this requirement.



SAFE STEPS AND STAIRTREADS WITH TOE PLATE

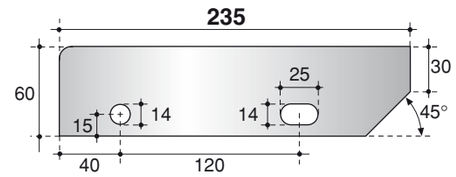
If greater safety is required of the step, it is advisable to install a **toe plate on the back**. Thanks to this solution, the foot cannot pass beyond the tread and therefore cannot be accidentally inserted between two steps.

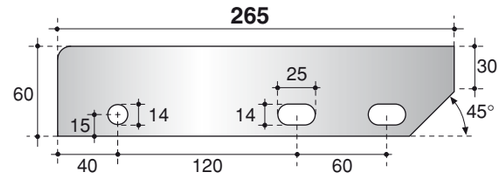


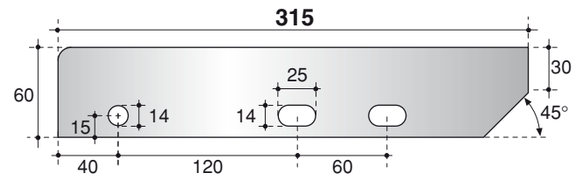
STANDARD ENDPLATES

STANDARD ENDPLATES IN ACCORDANCE WITH STANDARDS UNI 11002 - 2:2002

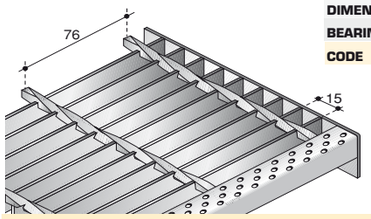
The standard endplates applied to the steps are provided with pre-drilled holes for fixing. Gridiron offers three different standard sizes of endplates in order to cover any dimensional requirement, thus making it possible to form the holes in the load-bearing structure of the stairs with the absolute certainty of quick, foolproof, properly executed work. Also available in stainless steel.





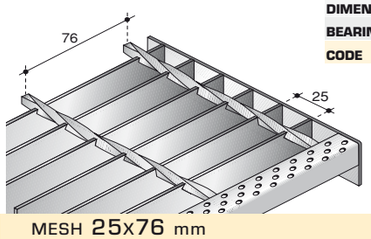


The standard line of steps in electro-forgewelded grating is offered in three types of meshes. The 34x38 square for industrial applications, the classic 25x76 and the anti-heel 15x76, especially suited for safety stairs. The steps can be custom size according to client specifications.



MESH 15x76 mm

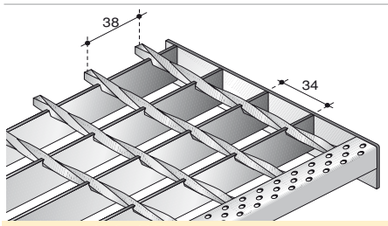
DIMENSIONS mm (LxD)	800x265	1000x265	1200x315	1200x315	1200x315
BEARING BAR mm	25x2	25x2	25x2	30x2	30x3
CODE	2054	2055	2056	2057	2058



MESH 25x76 mm

DIMENSIONS mm (LxD)	600x235	700x235	800x265	1000x265	1000x265
BEARING BAR mm	25x2	25x2	25x2	25x2	25x3
CODE	2023	2024	2025	2026	2027

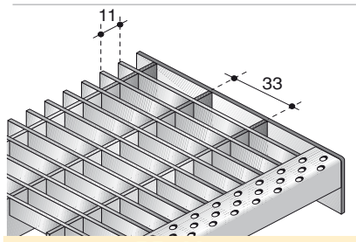
DIMENSIONS mm (LxD)	1000x315	1200x315
BEARING BAR mm	30x3	30x3
CODE	2028	2029



MESH 34x38 mm

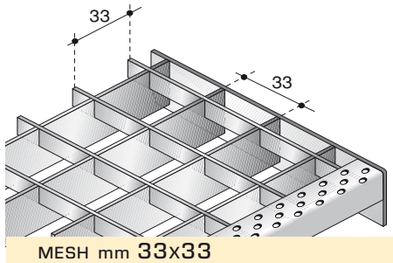
DIMENSIONS mm (LxD)	800x265	900x265	1000x265	1200x315
BEARING BAR mm	30x3	30x3	30x3	30x3
CODE	2065	2066	2067	2068

For special installations in which the aesthetic appearance is of particular importance, Gridiron offers safe steps and stairtreads in pressed grating. The nosing is made of perforated sheet metal, while the endplates are available in three sizes. The steps can be constructed in custom sizes as per customer specifications. They are also available in stainless steel.



MESH mm 33x11

DIMENSIONS mm (LxD)	1000x265	1200x315
BEARING BAR mm	30x2	40x2
CROSS BAR mm	10x2	10x2
CODE	2018	2019



MESH mm 33x33

DIMENSIONS mm (LxD)	800x265	1000x265	1200x315
BEARING BAR mm	30x2	30x2	40x2
CROSS BAR mm	10x2	10x2	10x2
CODE	2062	2063	2064

GRIDIRON
GRIGLIATI TECNICI

FENCING
IN ELECTRO-FORGEWELDED GRATING

> Boxer

For the production of **Boxer fencing, electro-forgewelded grating is used**. The fusion process between the vertical bearing bars and the horizontal transverse bars makes a perfect connection and is free of residual waste; which, with the usual hot dip galvanizing protective treatment, creates a secure, elegant and long lasting product. The excellent quality of the finish and **extra thick framing bars** ensure the product is **sturdy and non-deformable**.
Unequalled for safety and functionality, Boxer is the ideal solution to any requirement for fencing in residential, industrial and civil developments, but it is also for use as balustrading on parapets, balconies and terraces. The construction of the panels, with the round transverse bars on the outside, substantially reduces the possibility of climbing over.

THE MODULES

Our Boxer fencings are available in stock in modules that are always hot dip galvanized, each composed of a panel, a post and two fastening bolts.

PANELS

The word panel means gratings that is hot dip galvanized, edged and provided with bent hooks and perforations for fastening to posts.

POSTS

Flat or with T-profile for the highest panelling, they are available in versions to be cemented or pegged, i.e. with perforated bar to be fastened to the existing wall.

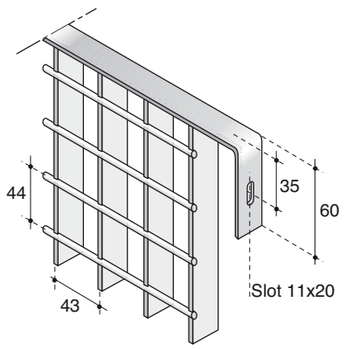
NUTS AND BOLTS

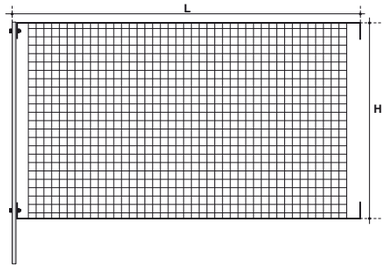
The nuts and bolts are normally galvanized. On request they can be provided in stainless steel or in strip-off anti-theft stainless steel.

COMPLETE FENCING

Gridiron provides complete finished fencing systems, supplied with any necessary custom size closing or make-up panels, and also special posts for the corners or for changes in direction, and shaped panels or special posts for the beginning and ends of fence sections. We are able to liaise with the client from taking measurements at site though to delivery and installation, thus ensuring a complete and comprehensive service that optimizes execution times.

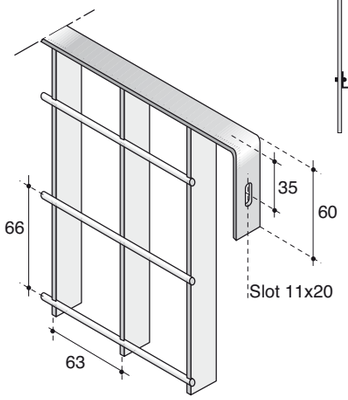
This section shows the Boxer fencing in electro-forgewelded gratings 43x44. This mesh is especially used for the creation of parapets, stairs, balconies, terraces and fencing in residential zones.

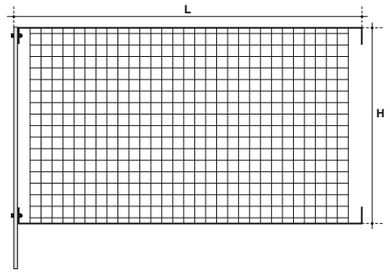




SPAN 2000 dim. module [HxL]	935x2000	1199x2000	1331x2000
BAR mm	25x2	25x2	25x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	17.00	16.60	16.50
	1463x2000	1727x2000	1991x2000
	25x2	25x2	25x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	16.40	16.20	16.00

MESH 43x44 mm



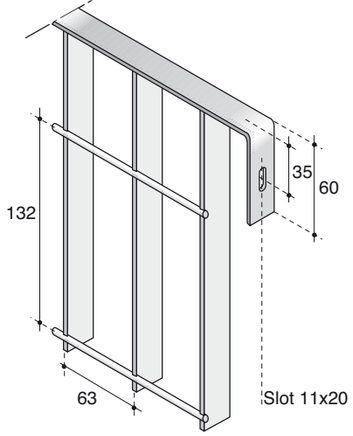


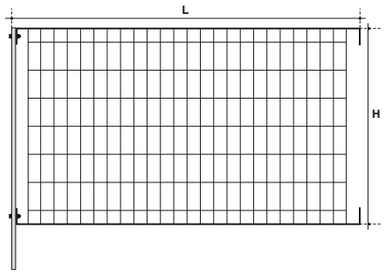
The 63x66 is part of the classic production of Gridiron fencing. It is preferred over the 63x132 especially in the residential sector, since its square form makes it aesthetically more refined and pleasant. In the table hereunder, it is shown in two different load-bearing bars and two different module lengths.

SPAN 1650 dim. module [HxL]	935x1650	1199x1650	1331x1650
BAR mm	25x3	25x3	25x3
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	17.17	16.55	16.33
	1463x1650	1727x1650	1991x1650
	25x3	25x3	25x3
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	16.16	15.88	16.28

SPAN 2000 dim. module [HxL]	935x2000	1199x2000	1331x2000	1463x2000	1727x2000	1991x2000
BAR mm	25x2	25x2	25x2	25x2	25x2	25x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	≠ 50x7 h 2041
WEIGHT Kg/m²	12.90	12.50	12.40	12.20	12.00	11.90
	935x2000	1199x2000	1331x2000	1463x2000	1727x2000	1991x2000
	25x3	25x3	25x3	25x3	25x3	25x3
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	16.00	15.60	15.50	15.30	15.10	15.00

MESH mm 63x66





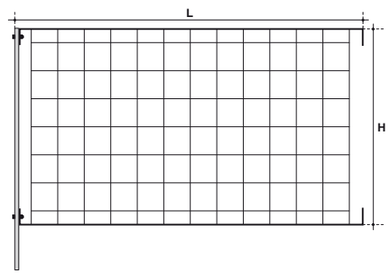
The Boxer fencing with mesh 63x132 is still the most popular model in the wide range that we produce. Appreciated in a multitude of applications, it is most successful in fencing off industrial zones, lots, and public areas.

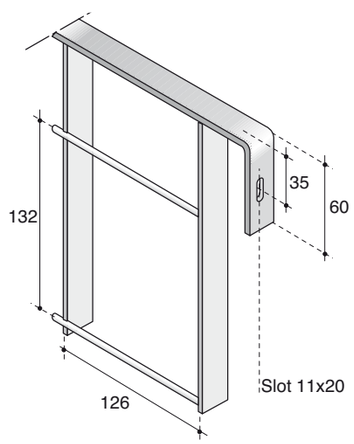
SPAN 1650 dim. module (HxL)	**935x1650**	**1199x1650**	**1331x1650**	**1463x1650**	**1727x1650**	**1991x1650**
FLAT mm	25x2	25x2	25x2	25x2	25x2	25x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	≠ 50x7 h 2041
WEIGHT Kg/m²	12.20	11.70	11.60	11.40	11.20	11.10
	935x1650	**1199x1650**	**1331x1650**	**1463x1650**	**1727x1650**	**1991x1650**
	25x3	25x3	25x3	25x3	25x3	25x3
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	14.90	14.50	14.50	14.30	14.10	13.90

SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**	**1463x2000**	**1727x2000**	**1991x2000**
BAR mm	25x2	25x2	25x2	25x2	25x2	25x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	≠ 50x7 h 2041
WEIGHT Kg/m²	11.80	11.40	11.30	11.10	10.90	10.70
	935x2000	**1199x2000**	**1331x2000**	**1463x2000**	**1727x2000**	**1991x2000**
	25x3	25x3	25x3	25x3	25x3	25x3
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	15.10	14.60	14.50	14.40	14.10	14.00

MESH mm 63x132

Where special levels of transparency and lightness are required, the Boxer fencing with 126x132 mesh is the perfect application. Its format is especially suited for fencing off shopping centres, car dealerships and anyplace that requires both security and transparency.





SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**
BAR mm	25x3	25x3	25x3
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	10.20	9.80	9.70
	1463x2000	**1727x2000**	**1991x2000**
	25x3	25x3	25x3
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	9.50	9.30	9.20

MESH mm 126x132

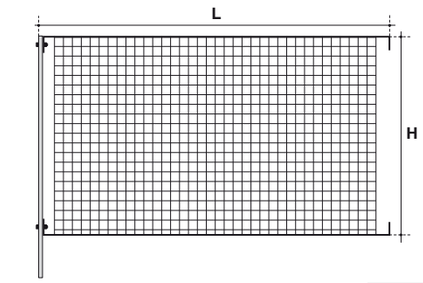
FENCING
IN PRESSED GRATING

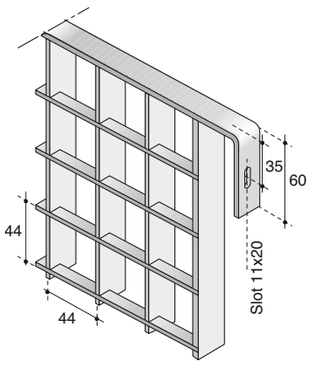
> Prexa

COMPLETE FENCING

The rationality of the design and the constant search for perfection have led us to create a high-quality product. **Prexa fencing, in pressed grating** formed of punched main bars into which the transverse bars are pressed, is the ideal product for the creation of prestigious works. The main characteristic that makes Prexa a symmetrical solution that is harmonious in its shape is the **construction of the panels exclusively with complete meshes**.

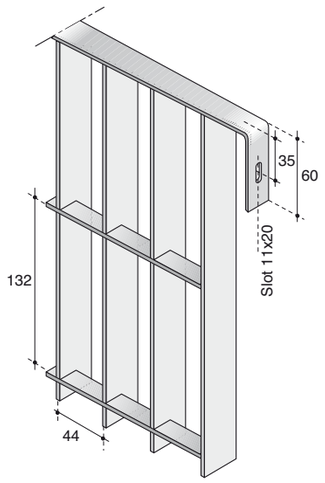
Usually **hot dip galvanized**, it can also be provided with an additional finishing treatment: **coating with heat-setting polyester powders**. Prexa thus acquires homogeneity and importance. It fully satisfies the most attentive and demanding clients. **The Prexa fencing is available with any mesh or bar section.**

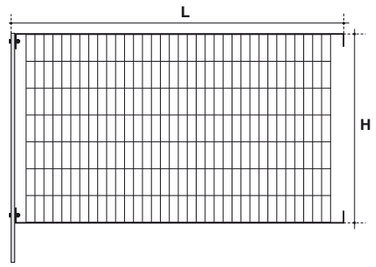




MESH mm 44x44

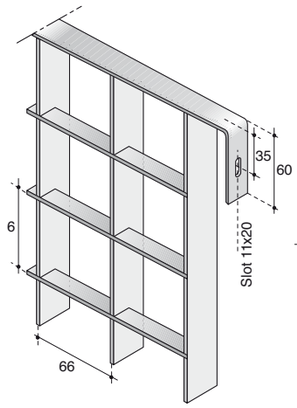
SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	16.00	15.30	15.10
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	14.90	14.60	14.40
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	20.70	20.00	19.70
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	19.50	19.20	18.90

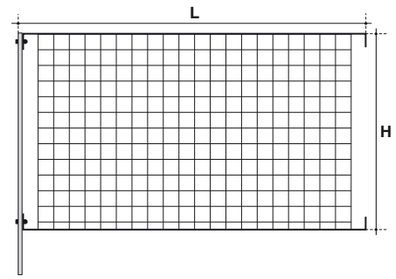




SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	13.60	12.90	12.70
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	12.50	12.20	12.00
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	18.30	17.60	17.30
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	17.10	16.70	16.50

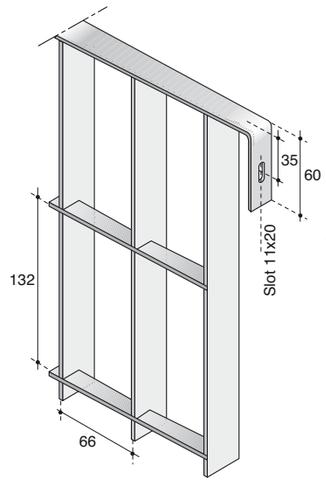
MESH mm 44x132

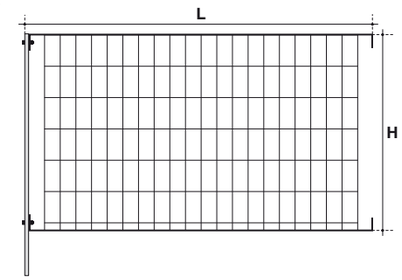




SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	11.60	11.00	10.70
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	10.50	10.20	10.00
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	14.90	14.10	13.90
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	13.70	13.30	13.10

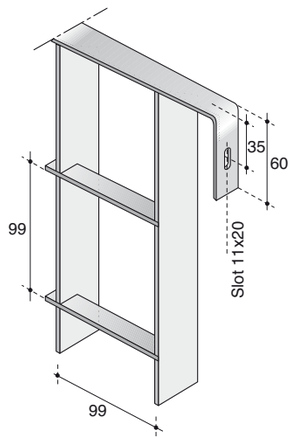
MESH mm 66x66

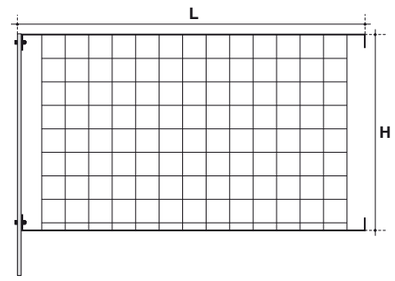




SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	10.40	9.80	9.50
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	9.30	9.00	8.80
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	13.70	12.90	12.70
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	12.40	12.10	11.90

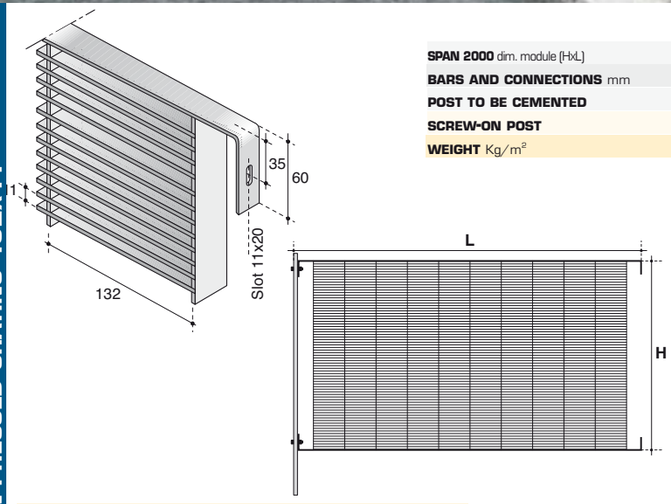
MESH mm 66x132





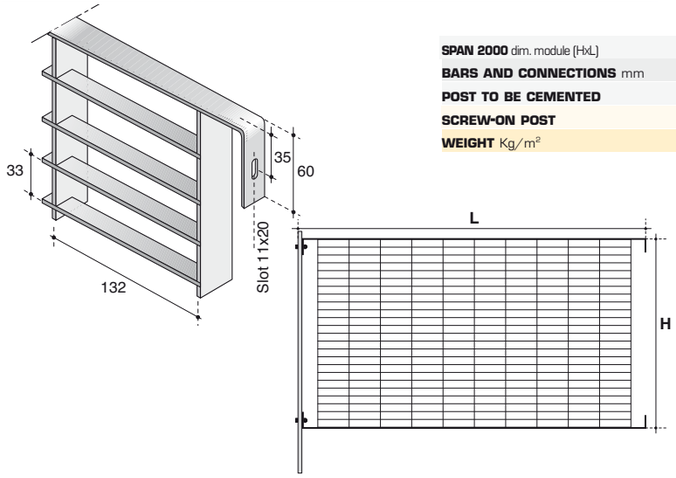
SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	8.70	8.10	7.80
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	7.70	7.30	7.10
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	11.00	10.30	9.90
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	9.80	9.40	9.20

MESH mm 99x99



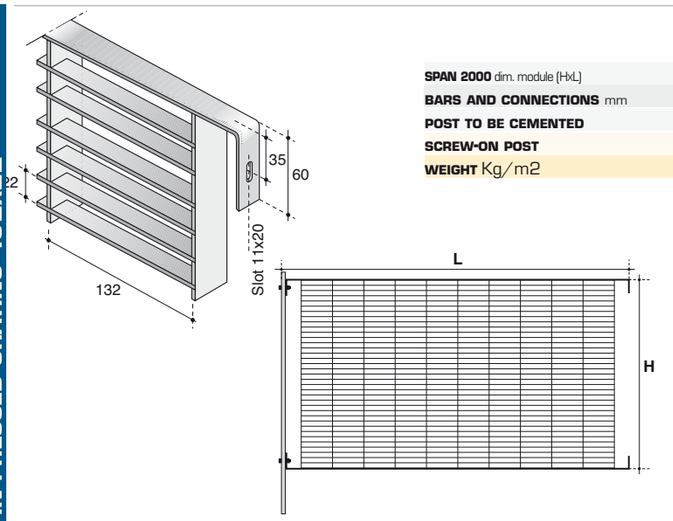
SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	20.60	20.00	19.70
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	19.60	19.30	19.10
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	22.40	21.70	21.40
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	21.20	20.90	20.60

MESH mm 132x11



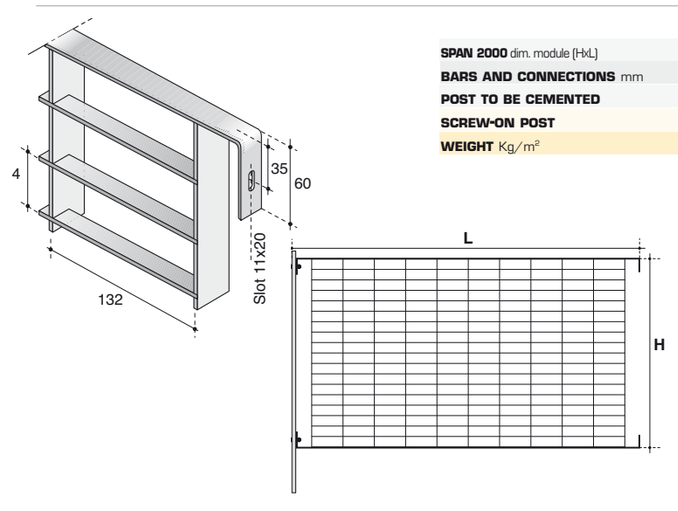
SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	10.90	10.30	10.00
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	9.80	9.50	9.30
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	12.30	11.60	11.40
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	11.20	10.90	10.70

MESH mm 132x33



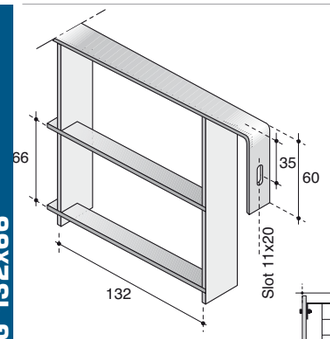
SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m2	13.40	12.70	12.40
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	12.30	12.00	11.70
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	14.70	14.10	13.80
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	13.60	13.30	13.10

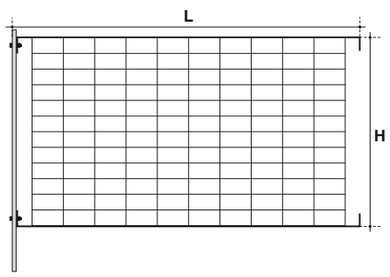
MESH mm 132x22



SPAN 2000 dim. module (HxL)	**935x2000**	**1199x2000**	**1331x2000**
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	9.70	9.00	8.80
	1463x2000	**1727x2000**	**1991x2000**
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	8.60	8.30	8.10
	935x2000	**1199x2000**	**1331x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	11.50	10.70	10.50
	1463x2000	**1727x2000**	**1991x2000**
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	10.30	9.90	9.70

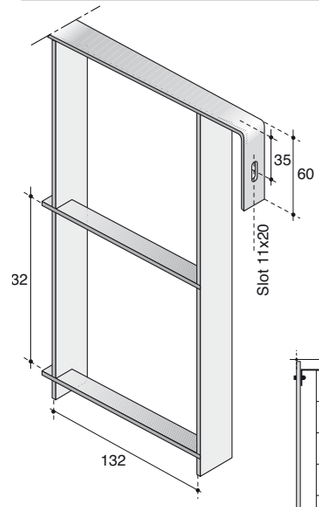
MESH mm 132x44

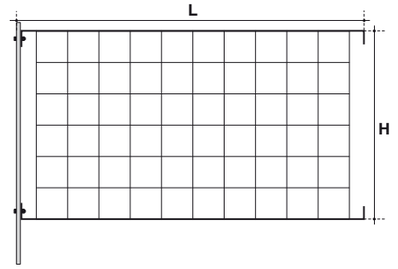




SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	8.50	7.80	7.60
	1463x2000	1727x2000	1991x2000
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	7.40	7.10	6.90
	935x2000	1199x2000	1331x2000
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	10.30	9.50	9.30
	1463x2000	1727x2000	1991x2000
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	9.00	8.70	8.40

MESH mm 132x66





SPAN 2000 dim. module (HxL)	935x2000	1199x2000	1331x2000
BARS AND CONNECTIONS mm	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	7.30	6.60	6.40
	1463x2000	1727x2000	1991x2000
	25x2 - 10x2	25x2 - 10x2	25x2 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	6.20	5.90	5.60
	935x2000	1199x2000	1331x2000
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
	9.10	8.30	8.00
	1463x2000	1727x2000	1991x2000
	25x3 - 10x2	25x3 - 10x2	25x3 - 10x2
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	7.80	7.50	7.20

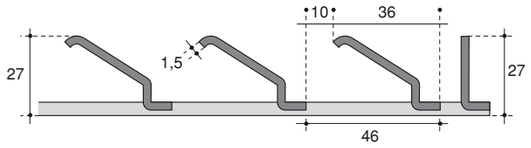
MESH mm 132x132

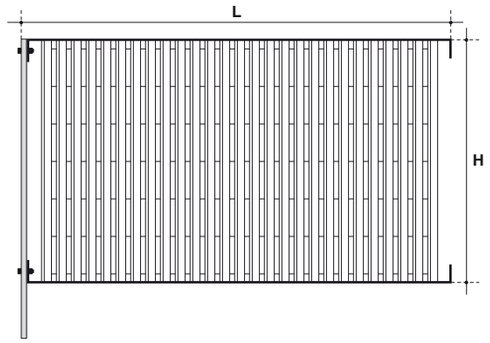
GRIDIRON
GRIGLIATI TECNICI

SUNSCREEN FENCING

- Wing vertical
- Wing horizontal

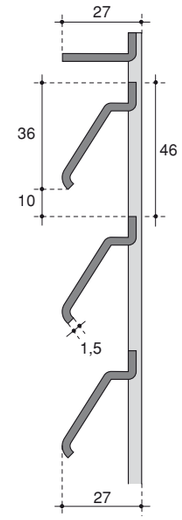
In the following sections we introduce new lines of fencing which have not previously been part of our traditional scope of manufacture. In fact, we will illustrate some products here which we hope will inspire you to forget the more traditional types. The "Wing" type fencing for example, made using special Z-shaped profiles in 47x1.5 mm thick sheet steel, partially conceals the view through the panels.



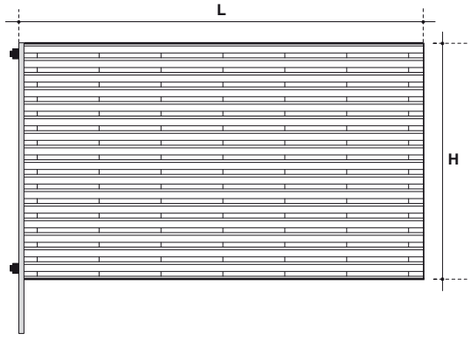


SPAN 1650 dim. module (HxL)	**935x1650**	**1199x1650**	**1331x1650**
POST TO BE CEMENTED	≠ 60x8 h 1145	≠ 60x8 h 1409	≠ 60x8 h 1541
SCREW-ON POST	≠ 60x8 h 985	≠ 60x8 h 1249	≠ 60x8 h 1381
WEIGHT Kg/m²	20.10	19.50	19.40
	1463x1650	**1727x1650**	**1991x1650**
	≠ 60x8 h 1673	≠ 60x8 h 1937	≠ 80x8 h 2201
	≠ 60x8 h 1513	≠ 60x8 h 1777	T 50x7 h 2041
	19.20	18.80	18.70

MESH mm 46x132



The Wing fencing can also be arranged in another way. In fact, by placing the contoured profiles horizontally, you obtain a sunscreen effect, thus further limiting view beyond the panel and thus providing a more linear, homogenous and compact appearance.



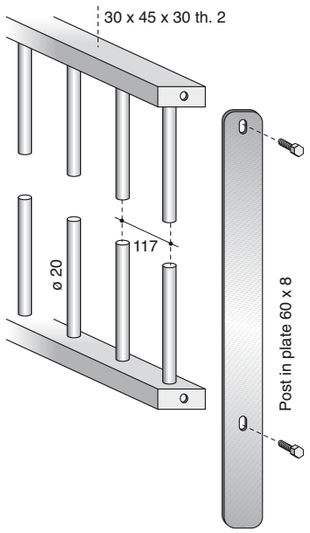
SPAN dim. module (HxL)	**1584x1460**	**1584x1988**
POST TO BE CEMENTED	≠ 60x8 h 1794	≠ 60x8 h 1794
SCREW-ON POST	≠ 60x8 h 1634	≠ 60x8 h 1634
WEIGHT Kg/m²	19.39	19.22

MESH mm 46x132

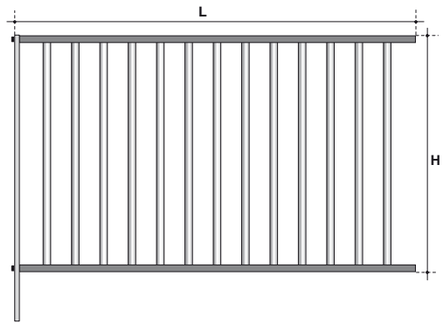
GRIDIRON®
GRIGLIATI TECNICI

FENCING

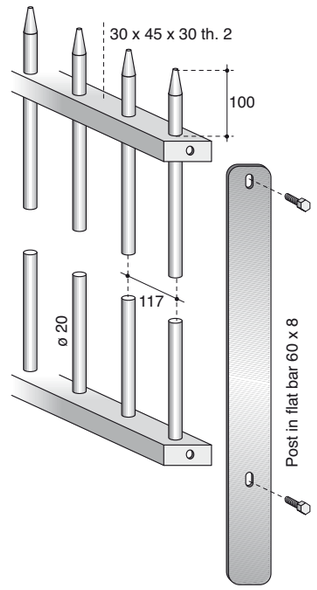
Style Lancer

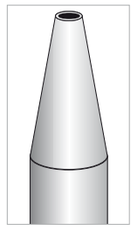


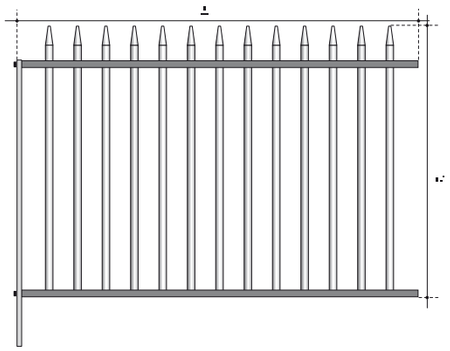
Linear, simple and traditional, the Style and Lancer fencing are made of S235JR steel.
Style, hot dip galvanized, is constructed with round tube and edged with U-shaped profiles of 30x45x30 mm, which at the top are always closed, while vertical tubes pass through the lower part.



SPAN 2000 dim. module [HxL]	930x2000	1230x2000	1330x2000	1430x2000
POST TO BE CEMENTED	≠ 60x8 h 1140	≠ 60x8 h 1440	≠ 60x8 h 1540	≠ 60x8 h 1640
SCREW-ON POST	≠ **60x8 h 980**	≠ **60x8 h 1280**	≠ **60x8 h 1380**	≠ **60x8 h 1480**
WEIGHT Kg/m²	11.80	10.90	10.60	10.30







The Lancer fencing is structurally the same as the Style fencing. The only difference is the top of the U-shaped profiles, from which the conical ends protrude. Both are suitable for residential settings. Style is preferred for its simplicity, while Lancer in its uniqueness assumes a more protective appearance.

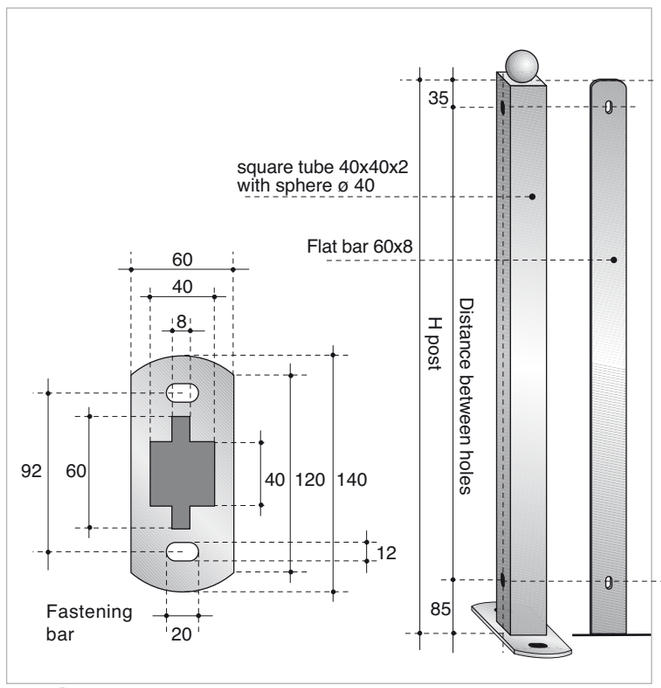
SPAN 2000 dim. module [HxL]	930x2000	1230x2000	1330x2000	1430x2000
POST TO BE CEMENTED	≠ 60x8 h 1140	≠ 60x8 h 1440	≠ 60x8 h 1540	≠ 60x8 h 1640
SCREW-ON POST	≠ **60x8 h 980**	≠ **60x8 h 1280**	≠ **60x8 h 1380**	≠ **60x8 h 1480**
WEIGHT Kg/m²	11.80	10.90	10.60	10.30

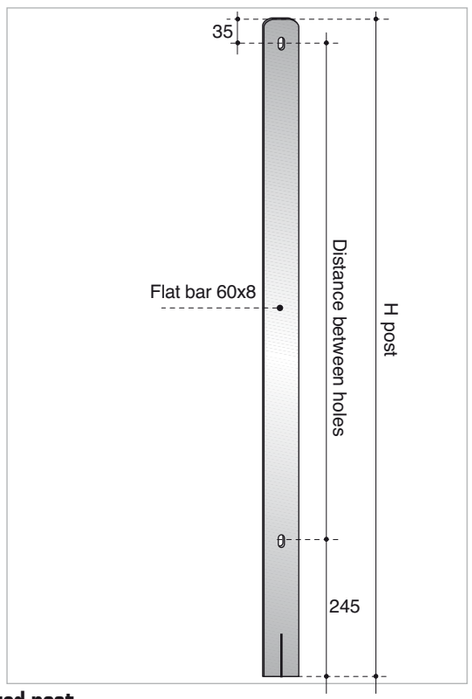
GRIDIRON
GRIGLIATI TECNICI

FENCING

accessories installation

Gridiron supplies not only standard fencing, but above all finished fencing with the necessary custom size panels, special posts for the beginning and end of sections or corner posts, stainless steel bolts and anti-theft. We are able to assist the client completely from the design phase, to measurements at the worksite, all the way to installation. This ensures complete service that optimizes the supply and conserves the appearance of the fencing over time.





Screw-on post

H PANEL mm	935	1199	1331	1463	1727	1991
H SCREW-ON POST	985	1249	1381	1513	1777	2041 •
SPACE BETWEEN HOLES mm	865	1129	1261	1393	1657	1921

Cemented post

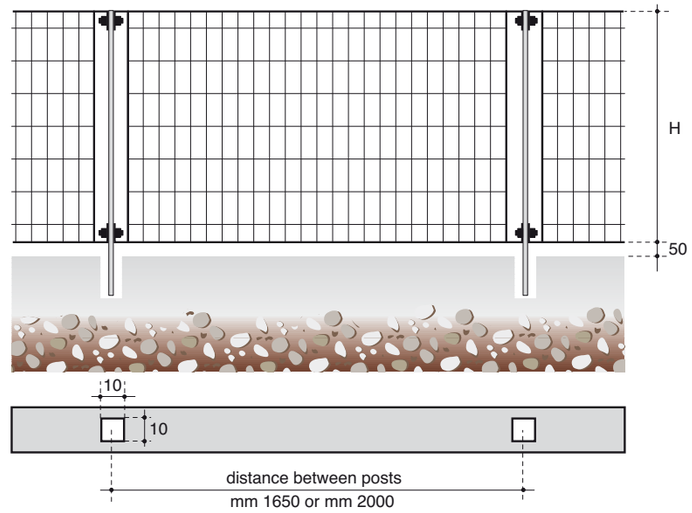
H PANEL mm	935	1199	1331	1463	1727	1991
H CEMENTED POST	1145	1409	1541	1673	1937	2201
SPACE BETWEEN HOLES mm	865	1129	1261	1393	1657	1921

• "T" 50x7 * FLAT 80x8

GRIDIRON GRIGLIATI TECNICI

Bolts

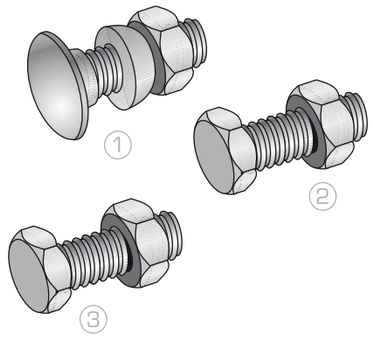
Gridiron fencing panels are fastened to the posts with bolts that are galvanized, in stainless steel or in anti-unscrewing stainless steel, at the client's discretion.



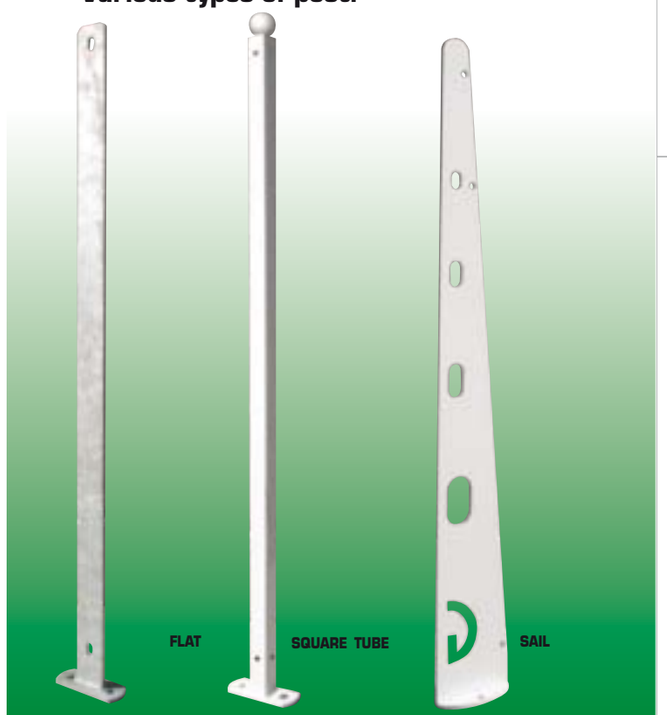
① **Anti-unscrewing bolt in stainless steel**

② **Stainless steel bolt**

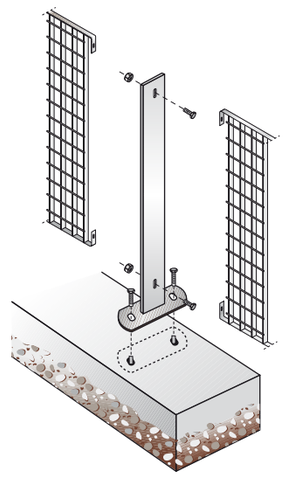
③ **Galvanized bolt**



Various types of post.

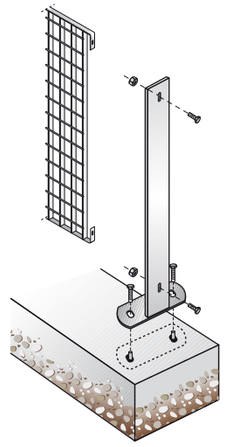


Screw-on post



"Crippled" screw-on post

for beginning and end of fencing section



CUSTOM SIZE
GATES

GRIDIRON GATE DESIGN SOLUTIONS

All fences require openings to allow vehicles or pedestrians to pass through. Each situation has unique requirements which cannot always be satisfied by using standard details. This is why Gridiron offers a **wide range of custom size gates, complete with EC declaration of conformity**, with models being supplied with single or double leaves, with sliding guides and also innovative solutions without guides.
Gates are manufactured after the production of a detailed design and technical drawing which defines the basic and customized features of each individual application. This is a fundamental element in producing a precise and successful construction solution.
With twenty years of experience Gridiron apply good design criteria with top class workmanship to ensure the functionality and durability of the finished product.

EC MARKING

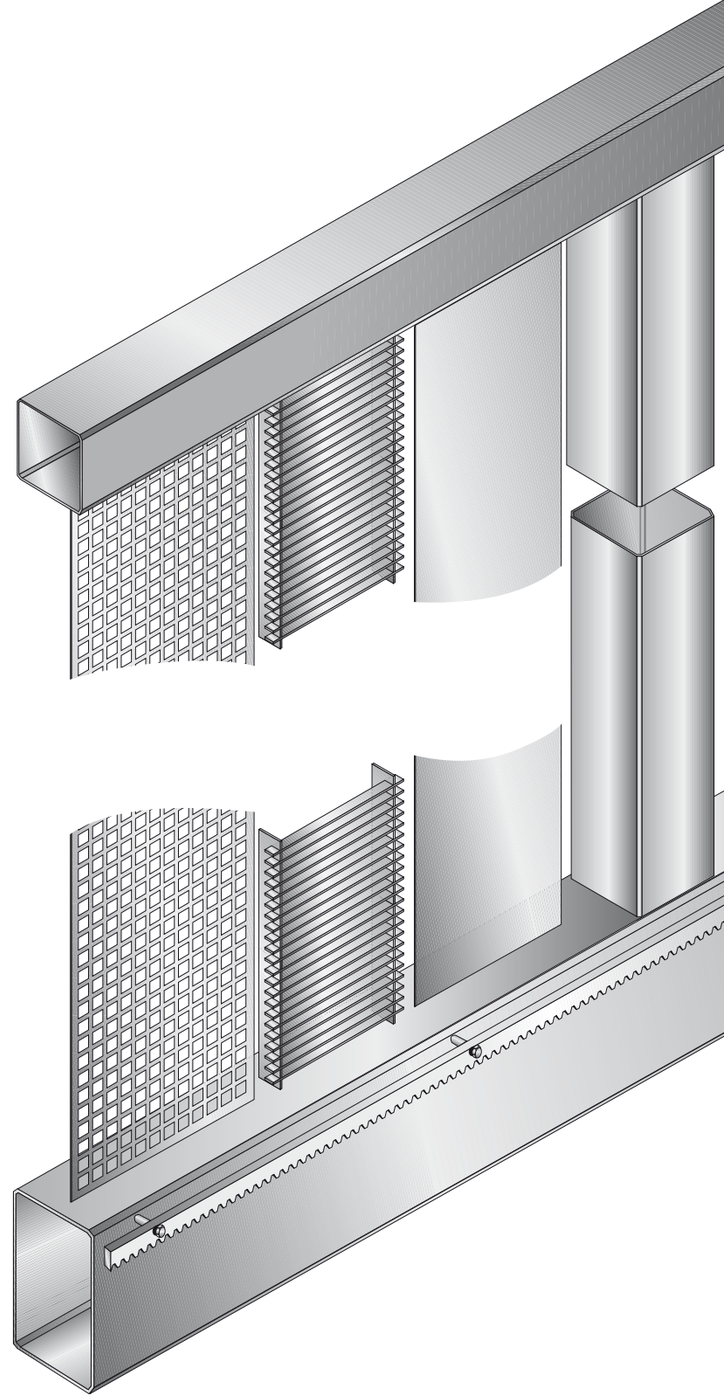
The protection of the end consumer has always been a high priority for Gridiron in the manufacturing process for each of the whole range of items the company produces. Since 1979, the production of gates has been the focus of particularly careful attention and has been one of the strenghts in the history of the company. The **Construction Products Directive 89/106/EEC has given us the opportunity to certify a line of products**, specifically gates, which have always been a prime element of our production.
We take great satisfaction from the fact that in order to achieve this certification, Gridiron only needed to complete the bureaucratic procedures, since from a production point of view we were already in line with the requirements of the standards and current directives.

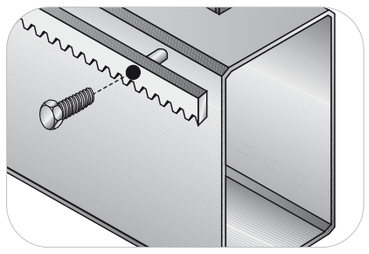
CONSTRUCTION

The construction of Gridiron custom size gates comprises entirely of steel hollow sections, in a variety of sizes, selected according to the dimensions of the gates themselves. Internally, various types of panelling can be utilized; from wide-mesh grating, which may be selected to offer continuity to the adjacent fencing installed on the perimeter walls; to dense grating with mesh 132x11; or to perforated or solid sheet metal, in order to meet the safety requirements of moving gates, as set out in the new standards on EC marking. Custom size gates are always hot dip galvanized, which ensures a high quality and durable finish.

MOVEMENT RACK

Available as an option where sliding gates are motorized, it is manufactured from drawn steel.
It is fastened to the hollow sections at the base by means of M8x60 stainless steel through bolts and 27mm stainless steel spacers.
The teeth, which are on 30x12 mm spacings, face downward, and are therefore suitable for most motors on the market.



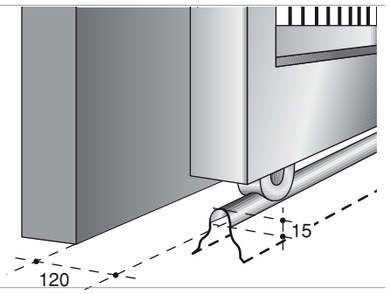


POWDER COATING

Finishing with thermo-setting pure polyester powder is carried out only on panelling that has previously been hot dip galvanized.
On request, Gridiron can advise on the feasibility of carrying out this treatment.

INSTALLATION OF THE GUIDE

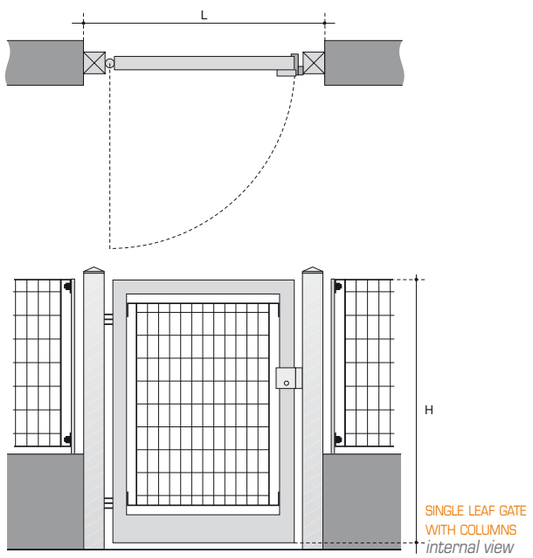
The correct positioning of the reverse U-shaped profile guide is essential for the optimal, long lasting operation of every sliding gate on round-grooved wheels. By complying with the standard distance of 120 mm between the pilaster and the centre-line of the guide, as shown on the drawing alongside, assembly is simpler and easier.



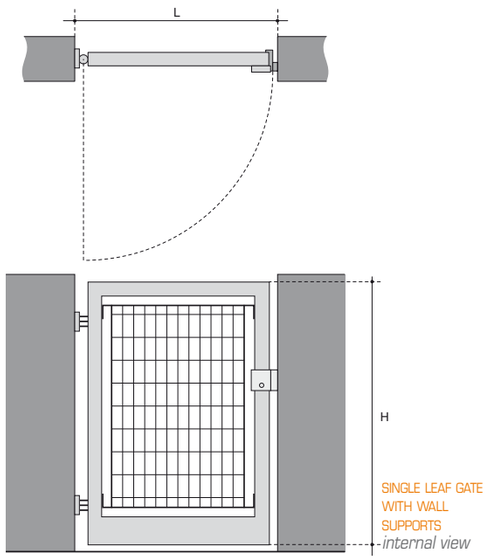
CUSTOM SIZE GATES > WITH ONE LEAF

GRIDIRON GATE DESIGN SOLUTIONS

Single leaf gates can be equipped with a manual or electric lock. On request, they are constructed and set up for motorization with arm or underground motorization.



SINGLE LEAF GATE
WITH COLUMNS
internal view



SINGLE LEAF GATE
WITH WALL
SUPPORTS
internal view

REQUIRED DATA TO BE SPECIFIED

- Direction of opening considering the internal view from right to left (A) or left to right (B)
- Height (H) of door
- Width (L) of clearance between walls

INTERCHANGEABLE COMPONENTS OF THE SINGLE LEAF CUSTOM SIZE GATE

STRUCTURE	
BASE TUBE mm	**FRAME AND UPRIGHTS TUBE** mm
80x40x3	80x40x3
100x50x3	50x50x3
160x80x3	80x80x3
150x50x3	100x50x3
200x100x3	100x100x3

PANELLING	
MATERIAL	**TYPE**
FORGE-WELDED GRATING	25x2 63x132
FORGE-WELDED GRATING	25x3 63x132
FORGE-WELDED GRATING	25x2 63x66
FORGE-WELDED GRATING	25x3 63x66
FORGE-WELDED GRATING	25x2 43x44
FORGE-WELDED GRATING	WING
PRESSED GRATING	25x2-10x2 132x11
GALVANIZED SHEET METAL WITH SQUARE HOLES	10x10
SOLID SHEET METAL	

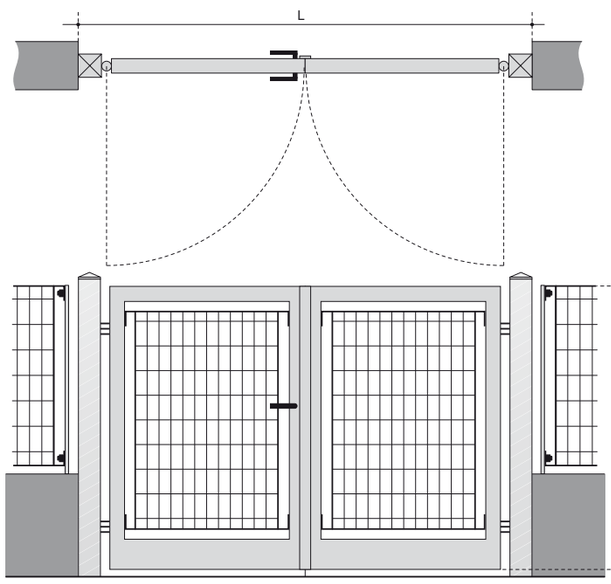
SUPPORTS	
TYPE	**TUBE** mm
WALL MOUNTED	
COLUMNS	80x80x3
COLUMNS	100x100x3
COLUMNS	120x120x3
COLUMNS	150x150x3
COLUMNS	160x160x3
COLUMNS	200x200x3

NUTS AND BOLTS
GALVANIZED
STAINLESS STEEL
ANTI-THEFT ST. STEEL

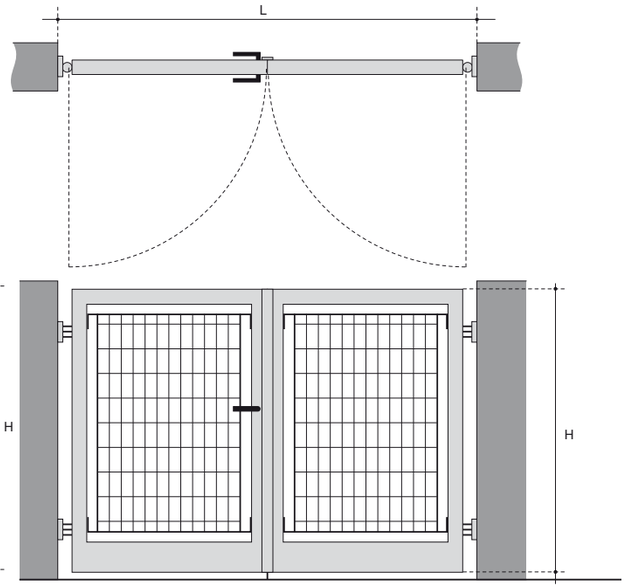
LOCK
MANUAL
ELECTRIC

GRIDIRON GATE DESIGN SOLUTIONS

Double leaf gates are equipped with a semi-fixed leaf with a ground-level latch and a leaf with a manual lock. On request, they are constructed and set up for motorization with arms or underground.



DOUBLE LEAF GATE WITH COLUMNS
internal view



DOUBLE LEAF GATE WITH WALL SUPPORTS
internal view

GRIDIRON
CUSTOM SIZE GATE > WITH TWO LEAVES

REQUIRED DATA TO BE SPECIFIED

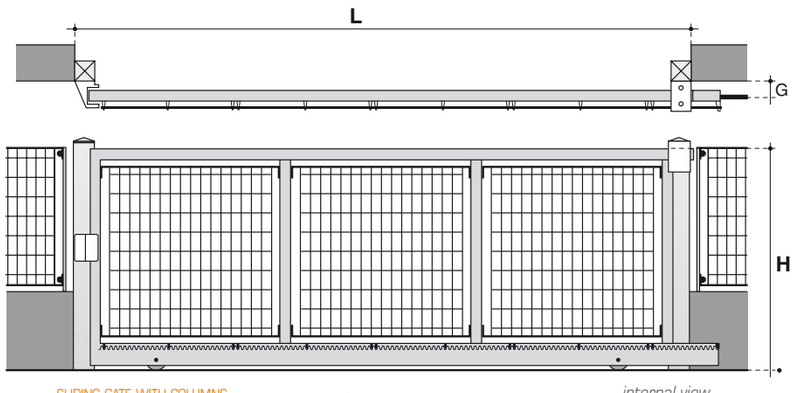
- HEIGHT (H) OF DOOR
- WIDTH (L) OF CLEARANCE BETWEEN WALLS

INTERCHANGEABLE COMPONENTS OF THE DOUBLE LEAF CUSTOM SIZE GATE

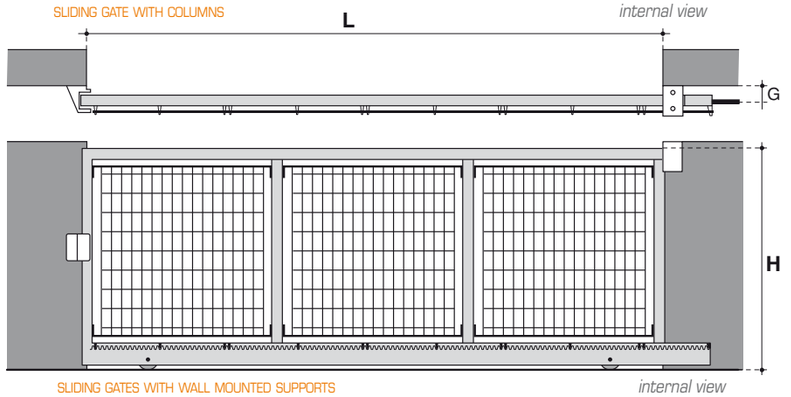
STRUCTURE		PANELLING		SUPPORTS		NUTS AND BOLTS	LOCK
BASE TUBE mm	FRAME AND UPRIGHTS TUBE mm	MATERIAL	TYPE	TYPE	TUBE mm		
80x40x3	80x40x3	FORGE-WELDED GRATING	25x2 63x132	WALL MOUNTED		GALVANIZED	MANUAL with ground-level latch on semi-fixed door
100x50x3	50x50x3	FORGE-WELDED GRATING	25x3 63x132	COLUMNS	80x80x3	STAINLESS STEEL	
160x80x3	80x80x3	FORGE-WELDED GRATING	25x2 63x66	COLUMNS	100x100x3	ANTI-THEFT ST. STEEL	
150x50x3	100x50x3	FORGE-WELDED GRATING	25x3 63x66	COLUMNS	120x120x3		
200x100x3	100x100x3	FORGE-WELDED GRATING	25x2 43x44	COLUMNS	150x150x3		
		FORGE-WELDED GRATING	WING	COLUMNS	160x160x3		
		PRESSED GRATINGS	25x2-10x2 132x11	COLUMNS	200x200x3		
		GALVANIZED SHEET METAL WITH SQUARE HOLES	10x10				
		SOLID SHEET METAL					

GRIDIRON GATE DESIGN SOLUTIONS

Sliding gates, manufactured from appropriately sized **steel hollow sections**, into which the **various infill panels** are fitted, merit particular attention due to the high standard of finishing. Produced with a traditionally high level of workmanship and with high quality accessories, functionality, safety and durability is ensured. The choice of **wheels with double ball bearings** ensures the smooth sliding of the gate, the application of a protection plate prevents derailing, and the use of bumpers and extra-thick roller holders make Gridiron sliding gates a leading product in the sector.

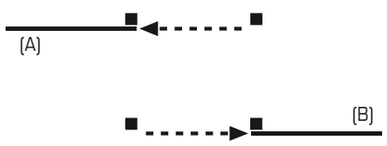


SLIDING GATE WITH COLUMNS — *internal view*



SLIDING GATES WITH WALL MOUNTED SUPPORTS — *internal view*

REQUIRED DATA TO BE SPECIFIED



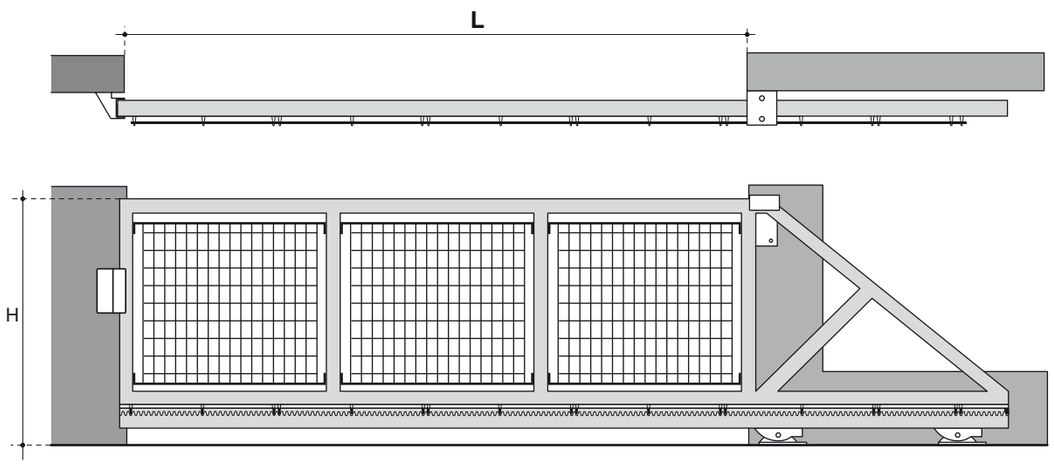
- Direction of opening considering the internal view from right to left (A) or left to right (B)
- Height (H) from above guide to upper edge of frame
- Width (L) of clearance between walls
- Centreline of guide (G) to be specified only if the guide is already in operation

INTERCHANGEABLE COMPONENTS OF THE SLIDING CUSTOM SIZE GATE

STRUCTURE		PANELLING		SUPPORTS		NUTS AND BOLTS	CLOSURE
BASE TUBE mm	FRAME AND UPRIGHTS TUBE mm	MATERIAL	TYPE	TYPE	TUBE mm		
100x50x3	50x50x3	FORGE-WELDED GRATING	25x2 63x132	WALL MOUNTED		GALVANIZED	RACK
150x50x3	100x50x3	FORGE-WELDED GRATING	25x3 63x132	COLUMNS	120x120x3	STAINLESS STEEL	LOCK MANUAL
180x60x3	80x80x3	FORGE-WELDED GRATING	25x2 63x66	COLUMNS	150x150x3	ANTITHEFT ST. STEEL	
200x100x3	100x100x3	FORGE-WELDED GRATING	25x3 63x66	COLUMNS	160x160x3		
		FORGE-WELDED GRATING	25x2 43x44	COLUMNS	175x175x3		
		FORGE-WELDED GRATING	WING	COLUMNS	200x200x3		
		PRESSED GRATINGS	25x2-10x2 132x11	DOUBLE COLUMNS	160x80x3		
		GALVANIZED SHEET METAL WITH SQUARE HOLES	10x10	DOUBLE COLUMNS	200x100x3		
		SOLID SHEET METAL					

GRIDIRON GATE DESIGN SOLUTIONS

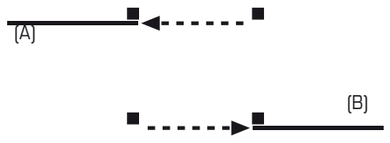
Gridiron's considerable experience in the construcion of sliding gates has resulted in the design and manufacture of the Shuttle gate, **which slides on internal rollers instead of on a guide on the ground**. The base structure is constructed from two sturdy UNP 140 crosspieces. The sliding carriages are suitably sized to accomodate the support force of the gate during the movement phase.
It is provided exclusively **set up for motorization** .



SHUTTLE GATE
internal view

CUSTOM SIZE GATES > SHUTTLE SLIDING WITHOUT GUIDE
GRIDIRON

REQUIRED DATA TO BE SPECIFIED



- Direction of opening considering the internal view from right to left (A) or left to right (B)
- Height (H) from ground to upper edge of frame
- Width (L) of clearance between walls

INTERCHANGEABLE COMPONENTS OF THE SHUTTLE SLIDING CUSTOM SIZE GATE

STRUCTURE		PANELLING		SUPPORTS	NUTS AND BOLTS	CLOSURE
BASE TUBE mm	FRAME AND UPRIGHTS TUBE mm	MATERIAL	TYPE	TYPE		
UNP 140	100x100x3	FORGE-WELDED GRATING	25x2 63x132	WALL MOUNTED	GALVANIZED	RACK
		FORGE-WELDED GRATING	25x3 63x132		STAINLESS STEEL	
		FORGE-WELDED GRATING	25x2 63x66		ANTI-THEFT ST. STEEL	
		FORGE-WELDED GRATING	25x3 63x66			
		FORGE-WELDED GRATING	25x2 43x44			
		FORGE-WELDED GRATING	WING			
		PRESSED GRATINGS	25x2-10x2 132x11			
		GALVANIZED SHEET METAL WITH SQUARE HOLES	10x10			
		SOLID SHEET METAL				

GRIDIRON®
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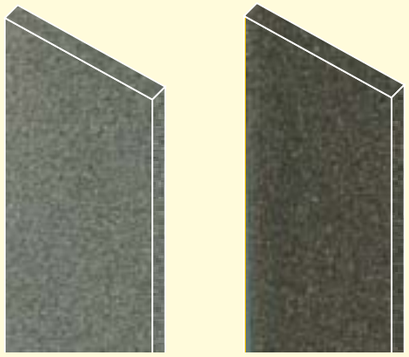
FENCING

> finishes

Finishes on micaceous iron type granular base

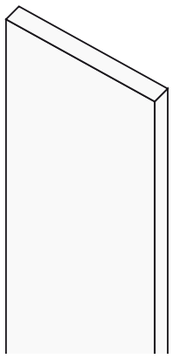


Cast iron grey
PD 2616

Anthracite grey
PD 2445

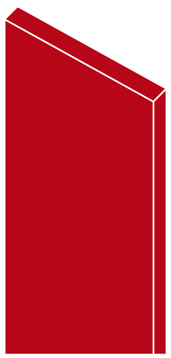
Gridiron fencing, which always undergo the indispensable protective treatment of hot dip galvanizing, on request are coated with thermo-setting pure polyester powder (PE). This finish, in addition to making the surface of the product more homogenous and brilliant, highlights its exterior thus enhancing the aesthetic appearance. The section below shows the available standard RAL colours. Different colours are available on request.

AVAILABLE COLOURS

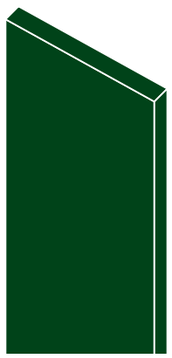


Pure White
Ral 9010

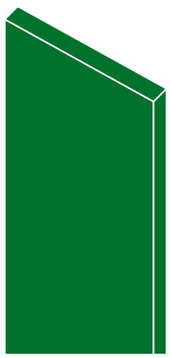
Navone Yellow
Ral 1021



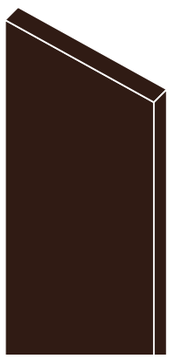
Crimson red
Ral 3002



Moss green
Ral 6005

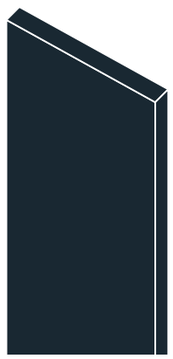


Mint green
Ral 6029

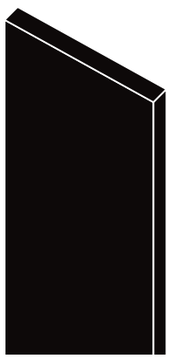


Brown
Ral 8017

Gentian blue
Ral 5010



Anthracite grey
Ral 7016



Intense black
Ral 9005

GRIDIRON
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CLASSES OF CAPACITIES-LOADS-FOOTPRINTS

STANDARDS UNI11002 - 1 : 2002

The panels of electro-forgewelded and/or pressed gratings are subdivided into the following classes of capacity:

1 PEDESTRIAN LOAD

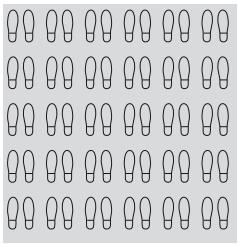
2-3-4 LOAD OF ROAD VEHICLES

Each class is determined by two characteristic elements:

- THE LOAD
- THE FOOTPRINT

For capacity class 1, the load is considered uniformly distributed over the entire surface of the panel and does not apply to any other particular loads. For load classes 2, 3 and 4, the load is considered as applied to the footprint of its class.

The loads and footprints have been selected based on the total mass at full load and the distribution of loads by footprint of the various types of vehicles currently in circulation. The expected use of the panels must be specified by the purchaser.



PEDESTRIAN LOAD

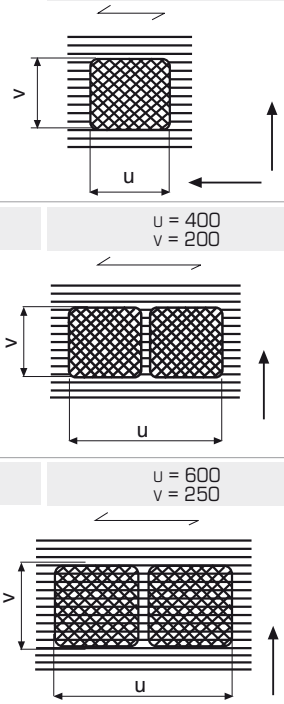
CLASS	CAPACITY (TYPE)	DYNAMIC LOAD P (N/m^2)
1	*compact crowd*	6300

note 1 • D.M. 14-06-1989 "Technical requirements to ensure accessibility, adaptability and visitability of private buildings and of financed and subsidized residential buildings, for the purpose of overcoming and eliminating architectonic barriers, in point 8.2.2 establishes that gratingss inserted in flooring must be made with mesh through which a sphere of 2 cm in diameter cannot pass.

note 2 • Capacity class 1 does not include applications of concentrated loads (feet of wardrobes, shelves, and so forth), which require further mechanical verifications.

LOAD OF ROAD VEHICLES

CLASS	TYPE OF USE	TOTAL SURFACE MASS* *) (KG)	DYNAMIC LOAD P (N)	FOOTPRINT (*u* x *v*) (mm x mm)
2	*traffic limited to cars*	UP TO 3,000	10,000 *)	u = 200 v = 200
3	*traffic limited to light trucks*	UP TO 6,000	30,000	u = 400 v = 200
4	*traffic of trucks or tractor-trailers*	UP TO 45,000	90,000	u = 600 v = 250



*) Ministerial decree 16-01-1996

**) In compliance with article 62 of DM 30-04-92 (traffic code) 5. For any type of vehicle, the mass on the most heavily loaded vehicle must not exceed 12 t.

Legend ← Direction of movement of vehicles in the most demanding load condition.

Direction of load-bearing bars.

The capacity classes 2, 3 and 4 and the indicated footprints apply to vehicles with pneumatic tyres. They do not apply to special loads (e.g. forklifts) and construction or earth-movement vehicles which may circulate where the gratings is used. In sizing the panels, it is necessary to consider maximum deflection of 1/200 of the net support clearance with a limit value of 5 mm measured in the most unfavourable load conditions.

MESH mm 15x76

TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
20x2	12705	7147	4574	3176	2100	1407	988	720	492	347	252	188	142	110	86	69	55	45
	597	398	299	239	199	151	119	96	72	55	43	35	28	23	19	16	14	12
	1062	597	398	299	223	165	127	101	75	57	45	36	29	24	20	17	14	12
	1934	1088	696	484	328	231	173	135	98	74	57	45	36	30	25	21	17	15
25x2	19852	11167	7147	4963	3646	2748	1930	1407	961	679	493	366	278	215	168	134	108	88
	933	622	467	373	311	267	232	187	140	108	85	68	55	45	38	32	27	23
	1659	933	622	467	373	311	249	198	147	112	87	70	56	46	38	32	27	23
	3022	1700	1088	756	567	452	338	263	192	145	112	89	71	58	48	40	34	29
25x3	29778	16750	10720	7444	5469	4122	2895	2111	1441	1018	739	549	417	322	253	201	162	132
	1400	933	700	560	467	400	348	281	210	162	127	101	82	68	56	48	40	35
	2489	1400	933	700	560	467	373	297	220	168	131	104	84	69	58	48	41	35
	4533	2550	1632	1133	850	678	507	395	289	217	168	133	107	87	72	60	51	44
30x2	28587	16080	10291	7147	5251	4020	3176	2431	1661	1173	851	633	480	371	291	232	187	152
	1344	896	672	538	448	384	336	299	242	186	146	117	95	78	65	55	47	40
	2389	1344	896	672	538	448	384	336	254	194	151	120	97	80	66	56	47	40
	4352	2448	1567	1088	816	653	544	455	332	251	194	153	123	101	83	70	59	50
30x3	42880	24120	15437	10720	7876	6030	4764	3647	2491	1759	1277	949	720	556	437	347	280	228
	2016	1344	1008	806	672	576	504	448	364	279	219	175	142	117	98	82	70	60
	3584	2016	1344	1008	806	672	576	504	381	290	227	180	146	120	100	84	71	61
	6528	3672	2350	1632	1224	979	816	683	499	376	291	230	185	151	125	104	88	75
40x2	50821	28587	18295	12705	9334	7147	5647	4574	3780	2779	2018	1500	1138	879	690	549	442	360
	2389	1593	1195	956	796	683	597	531	478	434	347	277	225	185	154	130	110	95
	4248	2389	1593	1195	956	796	683	597	531	459	358	285	231	189	157	132	112	96
	7737	4352	2785	1934	1451	1161	967	829	725	594	459	363	292	238	197	165	140	119
40x3	76231	42880	27443	19058	14002	10720	8470	6861	5670	4169	3027	2250	1708	1319	1035	823	663	540
	3584	2389	1792	1434	1195	1024	896	796	717	652	520	416	337	278	231	195	165	142
	6372	3584	2389	1792	1434	1195	1024	896	796	688	537	428	346	284	236	198	168	144
	11605	6528	4178	2901	2176	1741	1451	1243	1088	891	689	544	438	357	296	248	209	179
50x3	119111	67000	42880	29778	21878	16750	13235	10720	8860	7444	5912	4395	3335	2576	2022	1608	1296	1055
	5600	3733	2800	2240	1867	1600	1400	1244	1120	1018	933	812	659	542	452	380	323	277
	9956	5600	3733	2800	2240	1867	1600	1400	1244	1120	1018	835	676	555	461	387	328	281
	18133	10200	6528	4533	3400	2720	2267	1943	1700	1511	1345	1063	855	698	578	484	409	349
50x4	158815	89333	57173	39704	29170	22333	17646	14293	11813	9926	7882	5860	4447	3435	2695	2144	1727	1407
	7467	4978	3733	2987	2489	2133	1867	1659	1493	1358	1244	1082	879	723	602	507	431	369
	13274	7467	4978	3733	2987	2489	2133	1867	1659	1493	1358	1114	901	739	614	516	438	375
	24178	13600	8704	6044	4533	3627	3022	2590	2267	2015	1794	1417	1140	931	770	645	546	466
60x4	228693	128640	82330	57173	42005	32160	25410	20582	17010	14293	12179	10126	7684	5936	4658	3706	2985	2431
	10752	7168	5376	4301	3584	3072	2688	2389	2150	1955	1792	1654	1518	1250	1041	876	745	638
	19115	10752	7168	5376	4301	3584	3072	2688	2389	2150	1955	1792	1557	1278	1062	892	757	647
	34816	19584	12534	8704	6528	5222	4352	3730	3264	2901	2611	2374	1970	1609	1331	1115	943	805
70x4	311277	175093	112060	77819	57173	43773	34586	28015	23153	19455	16577	14293	12202	9426	7396	5884	4740	3861
	14635	9756	7317	5854	4878	4181	3659	3252	2927	2661	2439	2251	2091	1951	1653	1392	1183	1013
	26017	14635	9756	7317	5854	4878	4181	3659	3252	2927	2661	2439	2251	2029	1686	1416	1201	1028
	47388	26656	17060	11847	8885	7108	5924	5077	4443	3949	3554	3231	2962	2554	2114	1770	1497	1278

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

CLASS 1 — **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

CLASS 2 — **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

CLASS 3 — **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

CLASS 4 — **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 22x38 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x2		13630	7667	4907	3407	2503	1887	1325	966	660	466	338	251	191	147	116	92	74	60
		667	444	333	267	222	190	166	134	100	77	60	48	39	32	27	23	19	16
		1185	667	444	333	267	222	178	141	105	80	62	50	40	33	27	23	20	17
		2133	1200	768	533	400	319	239	186	136	102	79	63	50	41	34	28	24	21
25x3		20444	11500	7360	5111	3755	2830	1988	1449	990	699	507	377	286	221	173	138	111	91
		1000	667	500	400	333	286	249	201	150	115	91	72	59	48	40	34	29	25
		1778	1000	667	500	400	333	266	212	157	120	94	75	60	50	41	35	29	25
		3200	1800	1152	800	600	478	358	279	204	154	119	94	75	62	51	43	36	31
30x3		29440	16560	10598	7360	5407	4140	3271	2504	1710	1208	877	652	495	382	300	239	192	156
		1440	960	720	576	480	411	360	320	260	200	157	125	102	84	70	59	50	43
		2560	1440	960	720	576	480	411	360	272	207	162	129	104	86	71	60	51	43
		4608	2592	1659	1152	864	691	576	482	352	265	205	162	130	106	88	74	62	53

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

> CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 22x76 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x2		13630	7667	4907	3407	2503	1887	1325	966	660	466	338	251	191	147	116	92	74	60
		667	444	333	267	222	190	166	134	100	77	60	48	39	32	27	23	19	16
		1185	667	444	333	267	222	178	141	105	80	62	50	40	33	27	23	20	17
		2133	1200	768	533	400	319	239	186	136	102	79	63	50	41	34	28	24	21
25x3		20444	11500	7360	5111	3755	2830	1988	1449	990	699	507	377	286	221	173	138	111	91
		1000	667	500	400	333	286	249	201	150	115	91	72	59	48	40	34	29	25
		1778	1000	667	500	400	333	266	212	157	120	94	75	60	50	41	35	29	25
		3200	1800	1152	800	600	478	358	279	204	154	119	94	75	62	51	43	36	31
30x2		19627	11040	7066	4907	3605	2760	2181	1669	1140	805	584	435	330	255	200	159	128	104
		960	640	480	384	320	274	240	213	173	133	104	83	68	56	46	39	33	28
		1707	960	640	480	384	320	274	240	181	138	108	86	70	57	47	40	34	29
		3072	1728	1106	768	576	461	384	321	235	177	137	108	87	71	59	49	42	35
30x3		29440	16560	10598	7360	5407	4140	3271	2504	1710	1208	877	652	495	382	300	239	192	156
		1440	960	720	576	480	411	360	320	260	200	157	125	102	84	70	59	50	43
		2560	1440	960	720	576	480	411	360	272	207	162	129	104	86	71	60	51	43
		4608	2592	1659	1152	864	691	576	482	352	265	205	162	130	106	88	74	62	53
30x4		39253	22080	14131	9813	7210	5520	4361	3338	2280	1610	1169	869	659	509	400	318	256	209
		1920	1280	960	768	640	549	480	427	346	266	209	167	136	112	93	78	66	57
		3413	1920	1280	960	768	640	549	480	363	277	216	172	139	114	95	80	68	58
		6144	3456	2212	1536	1152	922	768	643	469	354	274	216	174	142	117	98	83	71
40x3		52338	29440	18842	13084	9613	7360	5815	4710	3893	2862	2078	1545	1172	906	711	565	455	371
		2560	1707	1280	1024	853	731	640	569	512	465	371	297	241	198	165	139	118	101
		4551	2560	1707	1280	1024	853	731	640	569	492	384	305	247	203	169	142	120	103
		8192	4608	2949	2048	1536	1229	1024	878	768	629	486	384	309	252	209	175	148	126
40x4		69784	39253	25122	17446	12817	9813	7754	6281	5191	3816	2771	2060	1563	1208	947	754	607	495
		3413	2276	1707	1365	1138	975	853	759	683	621	495	396	321	265	220	185	158	135
		6068	3413	2276	1707	1365	1138	975	853	759	656	512	407	330	270	225	189	160	137
		10923	6144	3932	2731	2048	1638	1365	1170	1024	838	648	512	412	336	278	233	197	168
50x4		109037	61333	39253	27259	20027	15333	12115	9813	8110	6815	5412	4023	3053	2358	1851	1472	1186	966
		5333	3556	2667	2133	1778	1524	1333	1185	1067	970	889	773	628	517	430	362	308	264
		9481	5333	3556	2667	2133	1778	1524	1333	1185	1067	970	795	644	528	439	369	313	268
		17067	9600	6144	4267	3200	2560	2133	1829	1600	1422	1266	1000	805	657	544	455	385	329
60x4		157013	88320	56525	39253	28839	22080	17446	14131	11679	9813	8362	6952	5276	4075	3198	2544	2049	1669
		7680	5120	3840	3072	2560	2194	1920	1707	1536	1396	1280	1182	1085	893	744	626	532	456
		13653	7680	5120	3840	3072	2560	2194	1920	1707	1536	1396	1280	1112	913	758	637	540	462
		24576	13824	8847	6144	4608	3686	3072	2633	2304	2048	1843	1676	1390	1135	940	787	665	568
70x4		213713	120213	76937	53428	39253	30053	23746	19234	15896	13357	11381	9813	8378	6471	5078	4040	3254	2651
		10453	6969	5227	4181	3484	2987	2613	2323	2091	1901	1742	1608	1493	1394	1181	994	845	724
		18584	10453	6969	5227	4181	3484	2987	2613	2323	2091	1901	1742	1608	1449	1204	1012	858	734
		33451	18816	12042	8363	6272	5018	4181	3584	3136	2788	2509	2281	2091	1803	1492	1249	1057	902

GRIDIRON®
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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 PEDESTRIAN LOAD
Capacity evenly distributed in daN/m²

> CLASS 2 VEHICLE LOAD UP TO 3,000 KG
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 LIGHT TRUCK LOAD UP TO 6,000 KG
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 25x25 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
20x2		7775	4373	2799	1944	1285	861	605	441	301	213	154	115	87	67	53	42	34	28
		384	256	192	154	128	97	76	62	46	35	28	22	18	15	12	10	9	8
		683	384	256	192	144	106	82	65	48	37	29	23	19	15	13	11	9	8
		1219	704	451	313	212	150	112	87	64	48	37	29	24	19	16	13	11	10
25x2		12148	6833	4373	3037	2231	1682	1181	861	588	415	301	224	170	131	103	82	66	54
		600	400	300	240	200	171	149	120	90	69	54	43	35	29	24	20	17	15
		1067	600	400	300	240	200	160	127	94	72	56	45	36	30	25	21	18	15
		1905	1100	704	489	367	292	219	170	124	94	73	57	46	38	31	26	22	19

MESH 25x50 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
20x3		11662	6560	4198	2916	1928	1292	907	661	452	319	232	172	131	101	79	63	51	41
		576	384	288	230	192	146	115	92	69	53	42	33	27	22	19	16	13	11
		1024	576	384	288	215	159	123	98	73	55	43	34	28	23	19	16	14	12
		1829	1056	676	469	318	225	168	131	96	72	56	44	35	29	24	20	17	14

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

> CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH mm 25x76

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x2		12148	6833	4373	3037	2231	1682	1181	861	588	415	301	224	170	131	103	82	66	54
		600	400	300	240	200	171	149	120	90	69	54	43	35	29	24	20	17	15
		1067	600	400	300	240	200	160	127	94	72	56	45	36	30	25	21	18	15
		1905	1100	704	489	367	292	219	170	124	94	73	57	46	38	31	26	22	19
25x3		18222	10250	6560	4556	3347	2522	1772	1292	882	623	452	336	255	197	155	123	99	81
		900	600	450	360	300	257	224	181	135	104	82	65	53	44	36	31	26	22
		1600	900	600	450	360	300	240	191	142	108	84	67	54	45	37	31	26	23
		2857	1650	1056	733	550	439	328	256	187	141	109	86	69	56	47	39	33	28
30x2		17493	9840	6298	4373	3213	2460	1944	1488	1016	718	521	387	294	227	178	142	114	93
		864	576	432	346	288	247	216	192	156	120	94	75	61	50	42	35	30	26
		1536	864	576	432	346	288	247	216	163	124	97	77	63	51	43	36	30	26
		2743	1584	1014	704	528	422	352	295	215	162	125	99	80	65	54	45	38	33
30x3		26240	14760	9446	6560	4820	3690	2916	2232	1524	1076	781	581	441	341	267	213	171	139
		1296	864	648	518	432	370	324	288	234	180	141	113	92	75	63	53	45	38
		2304	1296	864	648	518	432	370	324	245	187	146	116	94	77	64	54	46	39
		4114	2376	1521	1056	792	634	528	442	323	243	188	149	119	98	81	68	57	49
40x3		46649	26240	16794	11662	8568	6560	5183	4198	3470	2551	1852	1377	1045	807	633	504	406	331
		2304	1536	1152	922	768	658	576	512	461	419	334	267	217	179	149	125	106	91
		4096	2304	1536	1152	922	768	658	576	512	443	345	275	222	183	152	127	108	92
		7314	4224	2703	1877	1408	1126	939	805	704	576	446	352	283	231	191	160	136	116
50x4		97185	54667	34987	24296	17850	13667	10798	8747	7229	6074	4823	3586	2721	2102	1649	1312	1057	861
		4800	3200	2400	1920	1600	1371	1200	1067	960	873	800	696	565	465	387	326	277	237
		8533	4800	3200	2400	1920	1600	1371	1200	1067	960	873	716	579	475	395	332	281	241
		15238	8800	5632	3911	2933	2347	1956	1676	1467	1304	1161	917	738	602	498	417	353	301
60x4		139947	78720	50381	34987	25704	19680	15550	12595	10409	8747	7453	6197	4702	3632	2850	2268	1827	1488
		6912	4608	3456	2765	2304	1975	1728	1536	1382	1257	1152	1063	976	803	669	563	479	410
		12288	6912	4608	3456	2765	2304	1975	1728	1536	1382	1257	1152	1001	821	683	573	486	416
		21943	12672	8110	5632	4224	3379	2816	2414	2112	1877	1690	1536	1274	1041	861	721	610	521
70x4		190483	107147	68574	47621	34987	26787	21165	17143	14168	11905	10144	8747	7467	5768	4526	3601	2901	2363
		9408	6272	4704	3763	3136	2688	2352	2091	1882	1711	1568	1447	1344	1254	1063	895	760	651
		16725	9408	6272	4704	3763	3136	2688	2352	2091	1882	1711	1568	1447	1304	1084	910	772	661
		29867	17248	11039	7666	5749	4599	3833	3285	2875	2555	2300	2091	1916	1653	1368	1145	969	827

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 PEDESTRIAN LOAD
Capacity evenly distributed in daN/m²

> CLASS 2 VEHICLE LOAD UP TO 3,000 KG
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 LIGHT TRUCK LOAD UP TO 6,000 KG
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 30x50 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x3		15111	8500	5440	3778	2776	2092	1469	1071	732	516	375	279	212	163	128	102	82	67
		700	467	350	280	233	200	174	140	105	81	63	51	41	34	28	24	20	17
		1244	700	467	350	280	233	187	149	110	84	66	52	42	35	29	24	21	18
		2400	1350	864	600	450	359	268	209	153	115	89	70	57	46	38	32	27	23
30x3		21760	12240	7834	5440	3997	3060	2418	1851	1264	893	648	482	366	282	222	176	142	116
		1008	672	504	403	336	288	252	224	182	140	110	88	71	59	49	41	35	30
		1792	1008	672	504	403	336	288	252	190	145	113	90	73	60	50	42	35	30
		3456	1944	1244	864	648	518	432	361	264	199	154	122	98	80	66	55	47	40
30x4		29013	16320	10445	7253	5329	4080	3224	2468	1685	1190	864	642	487	377	295	235	189	154
		1344	896	672	538	448	384	336	299	242	186	146	117	95	78	65	55	47	40
		2389	1344	896	672	538	448	384	336	254	194	151	120	97	80	66	56	47	40
		4608	2592	1659	1152	864	691	576	482	352	265	205	162	130	106	88	74	62	53
40x3		38684	21760	13926	9671	7105	5440	4298	3482	2877	2116	1536	1142	867	669	525	418	337	274
		1792	1195	896	717	597	512	448	398	358	326	260	208	169	139	116	97	83	71
		3186	1792	1195	896	717	597	512	448	398	344	269	214	173	142	118	99	84	72
		6144	3456	2212	1536	1152	922	768	658	576	472	365	288	232	189	157	131	111	95
40x4		51579	29013	18569	12895	9474	7253	5731	4642	3836	2821	2048	1523	1155	893	700	557	449	366
		2389	1593	1195	956	796	683	597	531	478	434	347	277	225	185	154	130	110	95
		4248	2389	1593	1195	956	796	683	597	531	459	358	285	231	189	157	132	112	96
		8192	4608	2949	2048	1536	1229	1024	878	768	629	486	384	309	252	209	175	148	126

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

> CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 30x100 mm

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x3		15111	8500	5440	3778	2776	2092	1469	1071	732	516	375	279	212	163	128	102	82	67
		700	467	350	280	233	200	174	140	105	81	63	51	41	34	28	24	20	17
		1244	700	467	350	280	233	187	149	110	84	66	52	42	35	29	24	21	18
		2400	1350	864	600	450	359	268	209	153	115	89	70	57	46	38	32	27	23
25x5		25185	14167	9067	6296	4626	3486	2449	1785	1219	861	625	465	353	272	214	170	137	112
		1167	778	583	467	389	333	290	234	175	135	106	85	69	57	47	40	34	29
		2074	1167	778	583	467	389	311	248	184	140	109	87	70	58	48	40	34	29
		4000	2250	1440	1000	750	598	447	349	255	192	148	117	94	77	64	53	45	39
30x3		21760	12240	7834	5440	3997	3060	2418	1851	1264	893	648	482	366	282	222	176	142	116
		1008	672	504	403	336	288	252	224	182	140	110	88	71	59	49	41	35	30
		1792	1008	672	504	403	336	288	252	190	145	113	90	73	60	50	42	35	30
		3456	1944	1244	864	648	518	432	361	264	199	154	122	98	80	66	55	47	40
30x5		36267	20400	13056	9067	6661	5100	4030	3084	2107	1488	1080	803	609	471	369	294	237	193
		1680	1120	840	672	560	480	420	373	303	233	183	146	119	98	81	68	58	50
		2987	1680	1120	840	672	560	480	420	317	242	189	150	122	100	83	70	59	51
		5760	3240	2074	1440	1080	864	720	602	440	332	256	203	163	133	110	92	78	67
40x4		51579	29013	18569	12895	9474	7253	5731	4642	3836	2821	2048	1523	1155	893	700	557	449	366
		2389	1593	1195	956	796	683	597	531	478	434	347	277	225	185	154	130	110	95
		4248	2389	1593	1195	956	796	683	597	531	459	358	285	231	189	157	132	112	96
		8192	4608	2949	2048	1536	1229	1024	878	768	629	486	384	309	252	209	175	148	126
50x4		80593	45333	29013	20148	14803	11333	8955	7253	5994	5037	4000	2974	2257	1743	1368	1088	877	714
		3733	2489	1867	1493	1244	1067	933	830	747	679	622	541	439	362	301	254	215	185
		6637	3733	2489	1867	1493	1244	1067	933	830	747	679	557	451	370	307	258	219	187
		12800	7200	4608	3200	2400	1920	1600	1371	1200	1067	950	750	603	493	408	341	289	247

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

> CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and a deflection less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH mm 34x38

> TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm		300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x2		8889	5000	3200	2222	1633	1230	864	630	430	304	221	164	124	96	75	60	48	39
		400	267	200	160	133	114	100	80	60	46	36	29	24	19	16	14	12	10
		711	400	267	200	160	133	107	85	63	48	37	30	24	20	16	14	12	10
		1371	800	512	356	267	213	159	124	91	68	53	42	34	27	23	19	16	14
25x3		13333	7500	4800	3333	2449	1846	1296	945	645	456	331	246	187	144	113	90	73	59
		600	400	300	240	200	171	149	120	90	69	54	43	35	29	24	20	17	15
		1067	600	400	300	240	200	160	127	94	72	56	45	36	30	25	21	18	15
		2057	1200	768	533	400	319	239	186	136	102	79	63	50	41	34	28	24	21
30x2		12800	7200	4608	3200	2351	1800	1422	1089	744	525	381	283	215	166	130	104	84	68
		576	384	288	230	192	165	144	128	104	80	63	50	41	33	28	23	20	17
		1024	576	384	288	230	192	165	144	109	83	65	52	42	34	28	24	20	17
		1975	1152	737	512	384	307	256	214	156	118	91	72	58	47	39	33	28	24
30x3		19200	10800	6912	4800	3527	2700	2133	1633	1115	788	572	425	323	249	196	156	125	102
		864	576	432	346	288	247	216	192	156	120	94	75	61	50	42	35	30	26
		1536	864	576	432	346	288	247	216	163	124	97	77	63	51	43	36	30	26
		2962	1728	1106	768	576	461	384	321	235	177	137	108	87	71	59	49	42	35
40x3		34133	19200	12288	8533	6269	4800	3793	3072	2539	1867	1355	1008	765	591	463	369	297	242
		1536	1024	768	614	512	439	384	341	307	279	223	178	145	119	99	83	71	61
		2731	1536	1024	768	614	512	439	384	341	295	230	183	148	122	101	85	72	62
		5266	3072	1966	1365	1024	819	683	585	512	419	324	256	206	168	139	117	99	84
40x4		45511	25600	16384	11378	8359	6400	5057	4096	3385	2489	1807	1343	1019	788	618	492	396	323
		2048	1365	1024	819	683	585	512	455	410	372	297	237	193	159	132	111	95	81
		3641	2048	1362	1024	819	683	585	512	455	393	307	244	198	162	135	113	96	82
		7022	4096	2621	1820	1365	1092	910	780	683	559	432	341	275	224	186	155	131	112

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

> CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

> CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

> CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

> CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and an elastic camber less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.

MESH 34x76 mm

TYPE OF CAPACITY STANDARDS UNI. 11002

FOOTPRINT	1000x1000	200x200	400x200	600x250
CLASS	1	2	3	4
LOAD	630 daN/m² min. load	1000 daN/footprint minimum load	3000 daN/footprint minimum load	9000 daN/footprint minimum load

BEARING BAR mm	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
25x2	8889	5000	3200	2222	1633	1230	864	630	430	304	221	164	124	96	75	60	48	39
	400	267	200	160	133	114	100	80	60	46	36	29	24	19	16	14	12	10
	711	400	267	200	160	133	107	85	63	48	37	30	24	20	16	14	12	10
	1371	800	512	356	267	213	159	124	91	68	53	42	34	27	23	19	16	14
25x3	13333	7500	4800	3333	2449	1846	1296	945	645	456	331	246	187	144	113	90	73	59
	600	400	300	240	200	171	149	120	90	69	54	43	35	29	24	20	17	15
	1067	600	400	300	240	200	160	127	94	72	56	45	36	30	25	21	18	15
	2057	1200	768	533	400	319	239	186	136	102	79	63	50	41	34	28	24	21
30x2	12800	7200	4608	3200	2351	1800	1422	1089	744	525	381	283	215	166	130	104	84	68
	576	384	288	230	192	165	144	128	104	80	63	50	41	33	28	23	20	17
	1024	576	384	288	230	192	165	144	109	83	65	52	42	34	28	24	20	17
	1975	1152	737	512	384	307	256	214	156	118	91	72	58	47	39	33	28	24
30x3	19200	10800	6912	4800	3527	2700	2133	1633	1115	788	572	425	323	249	196	156	125	102
	864	576	432	346	288	247	216	192	156	120	94	75	61	50	42	35	30	26
	1536	864	576	432	346	288	247	216	163	124	97	77	63	51	43	36	30	26
	2962	1728	1106	768	576	461	384	321	235	177	137	108	87	71	59	49	42	35
40x3	34133	19200	12288	8533	6269	4800	3793	3072	2539	1867	1355	1008	765	591	463	369	297	242
	1536	1024	768	614	512	439	384	341	307	279	223	178	145	119	99	83	71	61
	2731	1536	1024	768	614	512	439	384	341	295	230	183	148	122	101	85	72	62
	5266	3072	1966	1365	1024	819	683	585	512	419	324	256	206	168	139	117	99	84
40x4	45511	25600	16384	11378	8359	6400	5057	4096	3385	2489	1807	1343	1019	788	618	492	396	323
	2048	1365	1024	819	683	585	512	455	410	372	297	237	193	159	132	111	95	81
	3641	2048	1365	1024	819	683	585	512	455	393	307	244	198	162	135	113	96	82
	7022	4096	2621	1820	1365	1092	910	780	683	559	432	341	275	224	186	155	131	112
50x4	71111	40000	25600	17778	13061	10000	7901	6400	5289	4444	3529	2624	1991	1538	1207	960	773	630
	3200	2133	1600	1280	1067	914	800	711	640	582	533	464	377	310	258	217	185	158
	5689	3200	2133	1600	1280	1067	914	800	711	640	582	477	386	317	263	221	188	161
	10971	6400	4096	2844	2133	1707	1422	1219	1067	948	844	667	536	438	363	304	257	219
60x4	102400	57600	36864	25600	18808	14400	11378	9216	7617	6400	5453	4534	3441	2658	2085	1659	1337	1089
	4608	3072	2304	1843	1536	1317	1152	1024	922	838	768	709	651	536	446	376	319	273
	8192	4608	3072	2304	1843	1536	1317	1152	1024	922	838	768	667	548	455	382	324	277
	15799	9216	5898	4096	3072	2458	2048	1755	1536	1365	1229	1117	927	757	626	524	444	379
70x4	139378	78400	50176	34844	25600	19600	15486	12544	10367	8711	7422	6400	5464	4221	3312	2635	2122	1729
	6272	4181	3136	2509	2091	1792	1568	1394	1254	1140	1045	965	896	836	708	596	507	434
	11150	6272	4181	3136	2509	2091	1792	1568	1394	1254	1140	1045	965	870	723	607	515	441
	21504	12544	8028	5575	4181	3345	2788	2389	2091	1858	1673	1520	1394	1202	995	833	704	601

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The table indicates the theoretical capacities including the dynamic effects of the various types of gratings in relation to the distances between the supports. The coloured values meet the capacity requirement specified by the following categories:

CLASS 1 **PEDESTRIAN LOAD**
Capacity evenly distributed in daN/m²

CLASS 2 **VEHICLE LOAD UP TO 3,000 KG**
Concentrated capacity on footprint of 200 x 200 mm expressed in daN/footprint

CLASS 3 **LIGHT TRUCK LOAD UP TO 6,000 KG**
Concentrated capacity on footprint of 400 x 200 mm expressed in daN/footprint

CLASS 4 **LOAD OF TRUCKS OR TRACTOR-TRAILERS UP TO 45,000 KG**
Concentrated capacity on footprint of 600 x 250 mm expressed in daN/footprint

Values not highlighted in colour do not meet the minimum capacity requirements. They are merely approximate for applications of the gratings not subject to loads.

N.B. All of the values in the table refer to iron type S 235 JR (FE 360B), compliant with standards UNI EN 10025, are calculated considering a safe load of K=16Kg/mm² and an elastic camber less than or equal to 1/200 of the distance of the supports with a maximum of 5 mm.