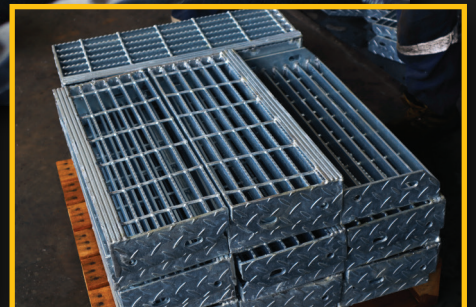




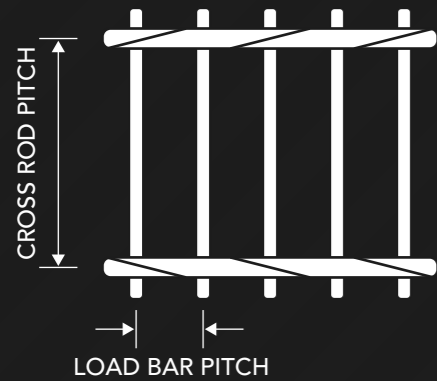
SERRATED GRATINGS

CATALOGUE



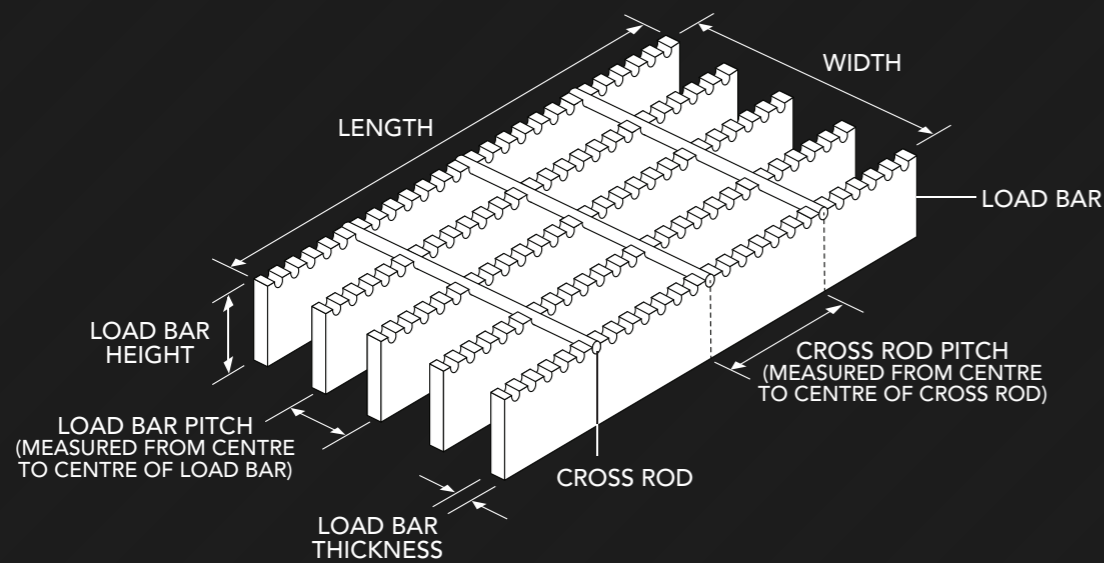


SERRATED GRATINGS



UNIK GRATING is constructed of varying sizes of load bearing bars at various pitches with application of high electrical current and hydraulic pressure in the welding process that produces a grate of considerable rigidity and strength capable of supporting load and giving maximum resistance to twisting, distortion and wear.

UNIK GRATING is available in numerous combinations of load bar depth and thickness, load bar pitch and cross rod pitch to suit any range of applications.



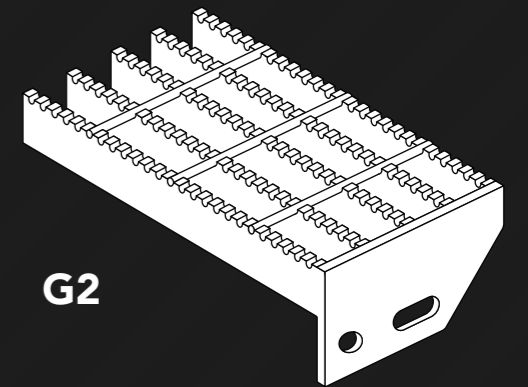
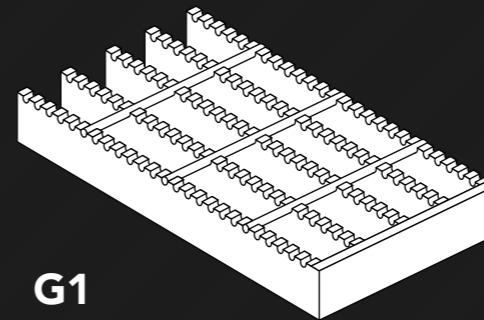
Serrated grating vastly improves slip resistance as the serrations are comprised of numerous small notches cut into the the load bar during the slitting of the material as one process.

Our grating products are strictly manufactured and fabricated in compliance with the British Standards (BS) and American Society for Testing and Materials (ASTM) as follows:

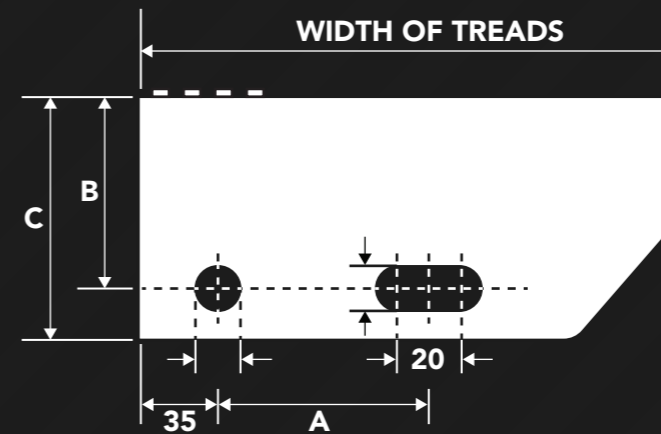
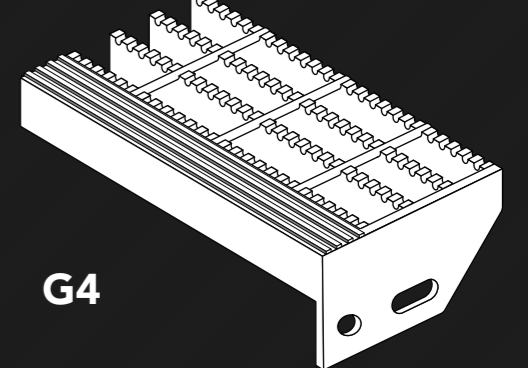
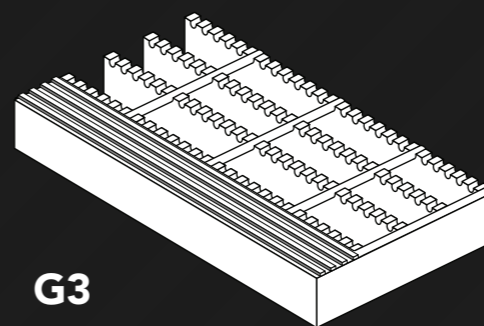
Steel	BS4360, Grade 43 BS EN 10025:2004, S275JO BS EN 10025:2004, S275JR ASTM A36
Welding	BS 5135
Galvanizing	BS 729 ISO 1461 ASTM A123

GRATING PRODUCTION

WITHOUT NOSING



ANTI-SLIP NOSING



Grating stair treads are ideal for many different applications and are common in residential, industrial, commercial, and architectural applications.

Our serrated stair treads are designed specifically to offer protection against slips in areas prone to oil or other hazardous elements. Slip resistant stair treads are an ideal choice for industrial facilities or outdoor sites where slippery conditions may exist.

UNIK's durable, safe, and slip resistant serrated stair treads are available in steel and are assembled with the very best quality and craftsmanship available.

TABLE OF LOAD AND DEFLECTIONS

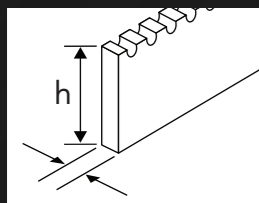
Type	Cross Rod Pitch (mm)	Mass (kg/m ²)	Load Bar Size (mm)	SPAN - Millimeters													
				150	300	450	600	700	900	1050	1200	1500	1800	2100	2400	2700	
TA325/1	100	45.5	32 x 5	U	1702	426	189	106	78	47	35	27	17	12	9	7	5
				D	0.13	0.49	1.09	1.94	2.64	4.36	5.93	7.74	12.09	17.41	23.69	30.94	39.16
TA355/1	100	49.5	35 x 5	U	2036	509	226	127	94	57	42	32	20	14	10	8	6
				D	0.12	0.45	1	1.77	2.41	3.98	5.42	7.08	11.05	15.92	21.66	28.29	35.8

U = Safe Uniform Load in kPa
D = Deflection Millimeters

TREAD WIDTH	A	B	C
205	100	50	75
242	100	50	75
285	100	50	75
326	120	50	75



SERRATED GRATINGS

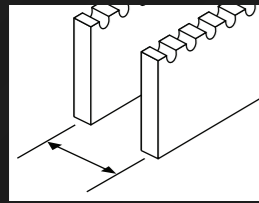


The dimensions of the load bar in terms of height and width. Select between height 32mm and 35mm, with 5mm thickness.

LOAD BAR SIZE

h1 = 32mm

h2 = 35mm

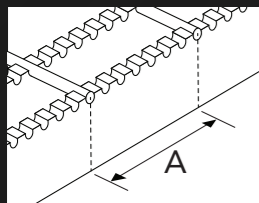


The distance between the load bars. Select between distance 30mm or 33mm.

LOAD BAR PITCH

Series 1 = 30mm

Series 2 = 33mm

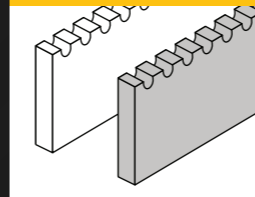


The distance between cross rods. Only distance of 100mm is available.

CROSS ROD PITCH

A = 100mm

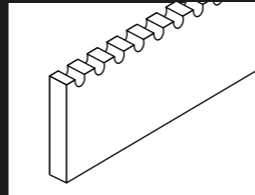
FINISH



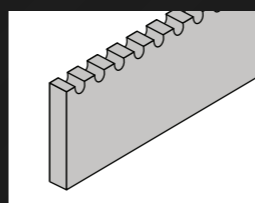
The finish of the grating. Select between galvanized or untreated.

G = Galvanized

U = Untreated



Hot dip galvanized gratings produces durable and abrasion resistant coating of metallic zinc alloy layers metallurgically bonded to the steel base. All galvanizing conforms to the BS EN ISO 1461:2009 and ASTM A123.

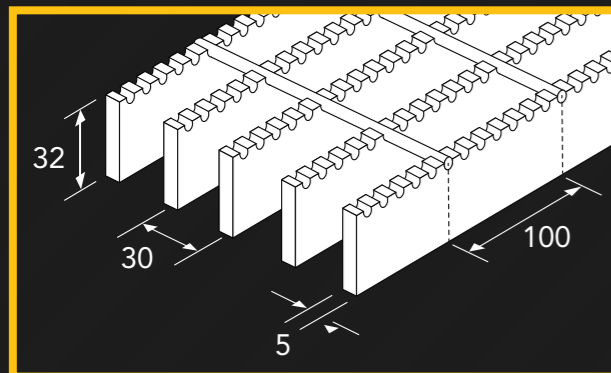


Untreated (no surface treatment / protection) grating is normally supplied on stock mats or panels to customers who wish to perform their own fabrication on grating.

GRATING FASTENING METHOD

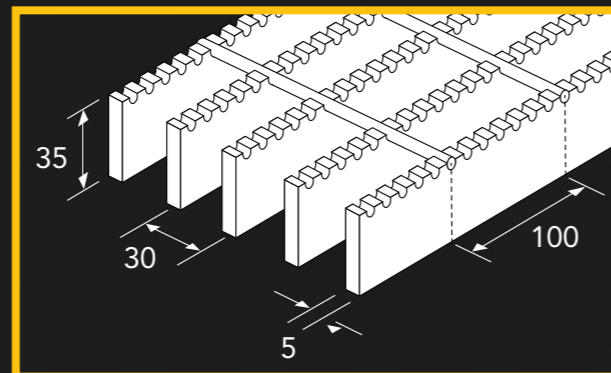
UNIK GRATING CLIPS are accessories used to secure multiple grating panels together. These grating clips can fasten gratings from the top without drilling, bolting or welding.

The simple design is easy to install and works with a wide range of grating types. It is available in standard galvanized steel.



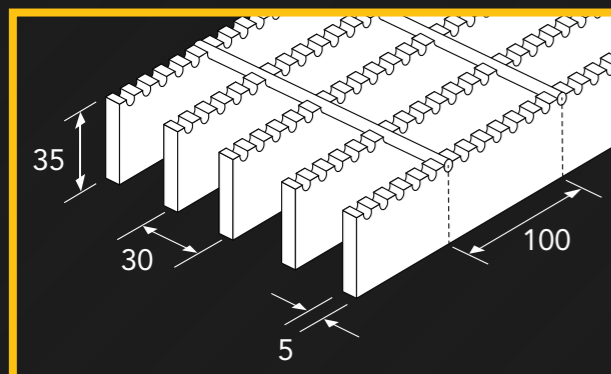
A

Size 32 x 5, pitch 30/100,
BS4360, Grade 43



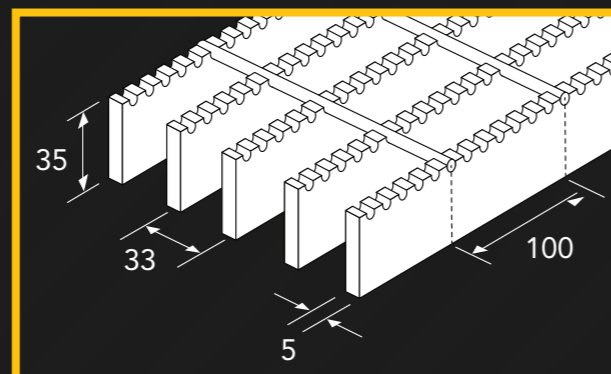
B

Size 35 x 5, pitch 30/100
BS4360, Grade 43



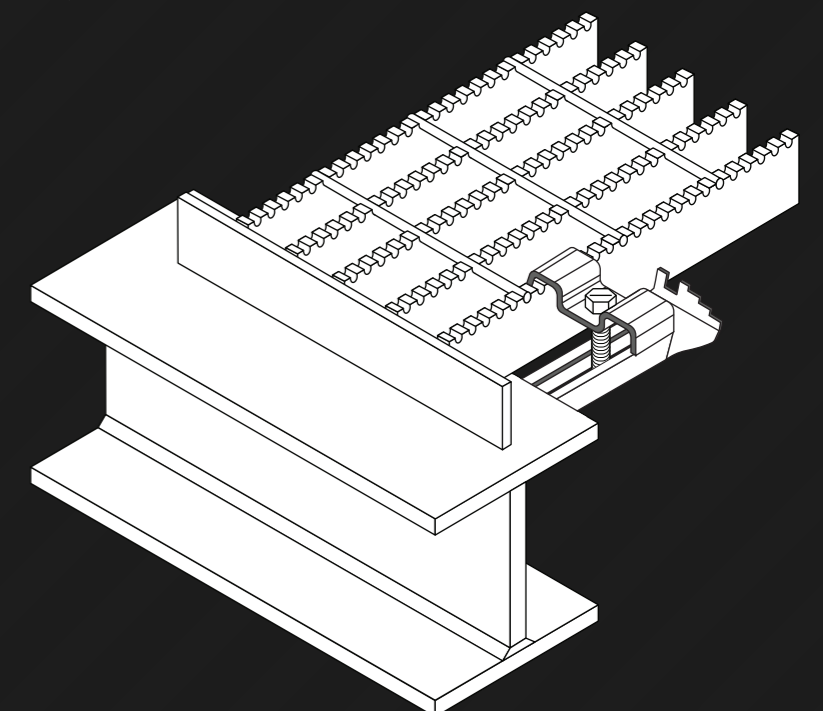
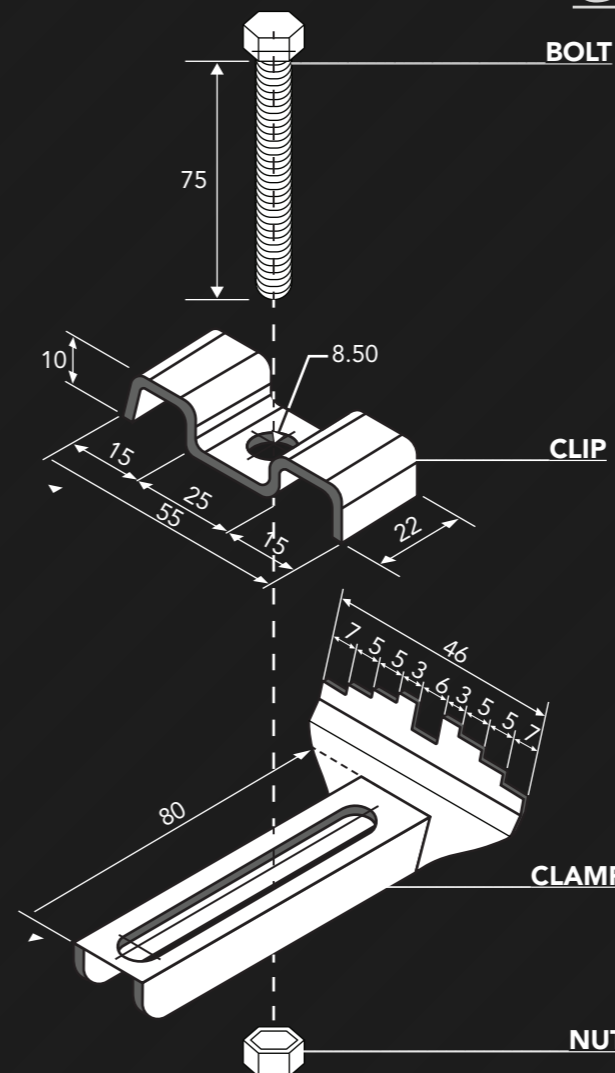
C

Size 35 x 5, pitch 30/100
BS EN 10025:2004, S275JR / ASTM A36



D

Size 35 x 5, pitch 33/100
BS EN 10025:2004, S275JO





SERRATED GRATINGS



QUALITY CONTROL

UNIK guarantees quality control by carrying out strict grating inspection during production and before delivering the gratings to our customers to ensure they are in perfect condition.

Appearance inspection

All the steel grating will be inspected individually to ensure the smooth and integrated surface and appearance. If there are some defects, they will be replaced by qualified gratings.

Sizing inspection

All bearing bar and cross bar sizes, along with the width, length and height are inspected with meter rulers, vernier caliper, micrometer and other professional measuring tools. All measurements conform to international standards and customers' requirements.

Performance inspection

The steel grating will be tested about the load performance according to customers' requirements and international standards.

Package inspection

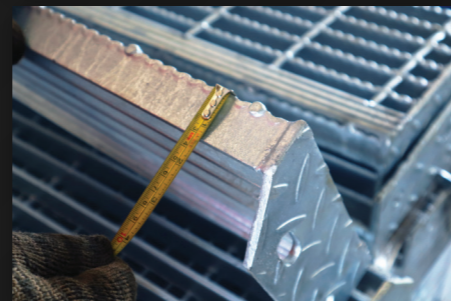
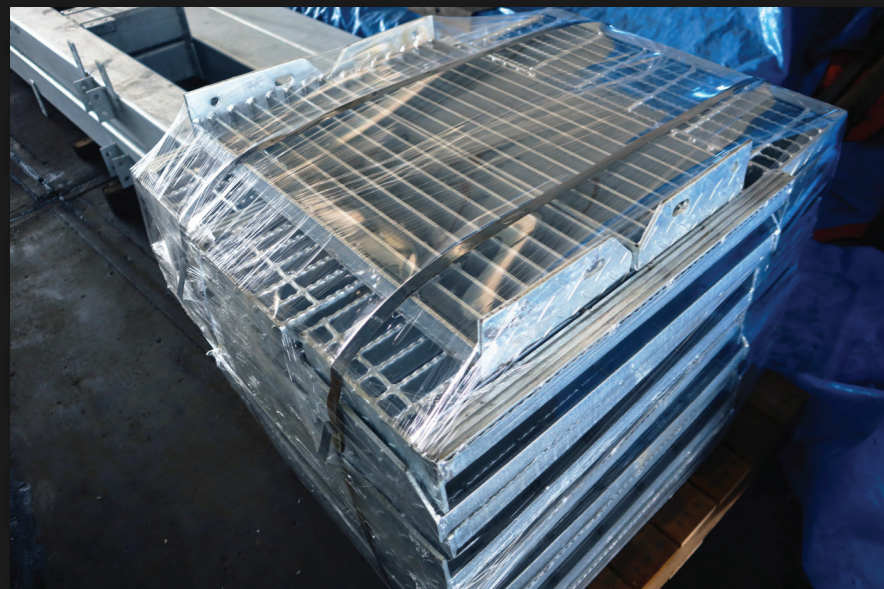
Steel grating is commonly packed in steel belt or it is packed in wooden or metal pallet. All gratings are packaged firmly to withstand the high impact during transportation.

Label inspection

A label will be attached on the products before delivery which contains the company details, quantity, standards, date of delivery, goods service receive (GSR) and client's name.

Quality certification inspection

Quality certification will be delivered along with the products. The certification will contain inspection results, including appearance and performance inspection. Additionally, the mill certification of raw materials can be delivered at the same time according to customers' requirements.



BENEFITS

Range of bar grating alternatives

Provide safe, durable, and functional products for all environments.

Flexibility

Allow ventilation and light to pass-through while providing strength alternatives to support light pedestrian traffic to the heaviest vehicular traffic.

Longevity

Last longer than any other material alternatives including wood, plastic and competing metal products.

Ease of installation and fabrication

Adapt to complex floor configurations and hard-to-fit areas.

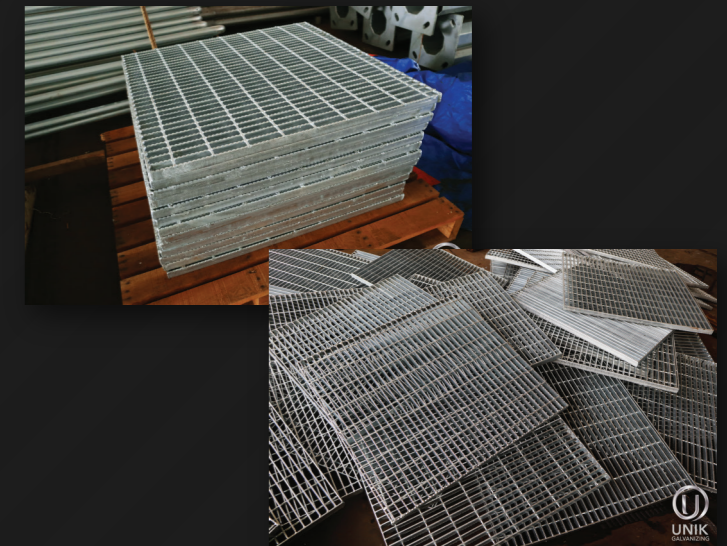
Maintenance-free

Open areas allow excellent drainage as well as lack of debris build-up.

INSTALLATIONS

Applications of UNIK GRATING can be used at:

- Power Plants
- Refineries
- Petrochemical Plants
- Trafficable Drain Grates
- Offshore Oil and Gas Platforms



PRODUCT ORDERING GUIDE

Order information - When placing an order for UNIK GRATING, please provide the following product code:

G 1 A - 915 x 215 - G

- G1** — Nosing type
- A** — Load bar dimension
- 915** — Grating length
- 215** — Grating width
- G** — Finish

A product with the order code **G1A-915x215-G** would indicate the grating ordered is *without nosing (G1)*, of load bar size 32mm x 5mm at load bar pitch 30mm and cross rod pitch 100mm (**A**), grating length of 915mm (**915**), grating width 215mm (**215**) and with a galvanized finish (**G**).

- G1** Grating without nosing
- A** Size 32 x 5, pitch 30/100
- 915** 915mm length
- 215** 215mm width
- G** Galvanized finish

Customers may refer to the code stated within the catalogue and specify their preferred grating length and width for UNIK to produce the perfect gratings.



One-stop metal solution that gives steel a lasting life

Lot 36/38, Sungai Bera Industrial Estate,
KB1933, Anduki Seria, Brunei Darussalam



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sales@unikbn.com



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