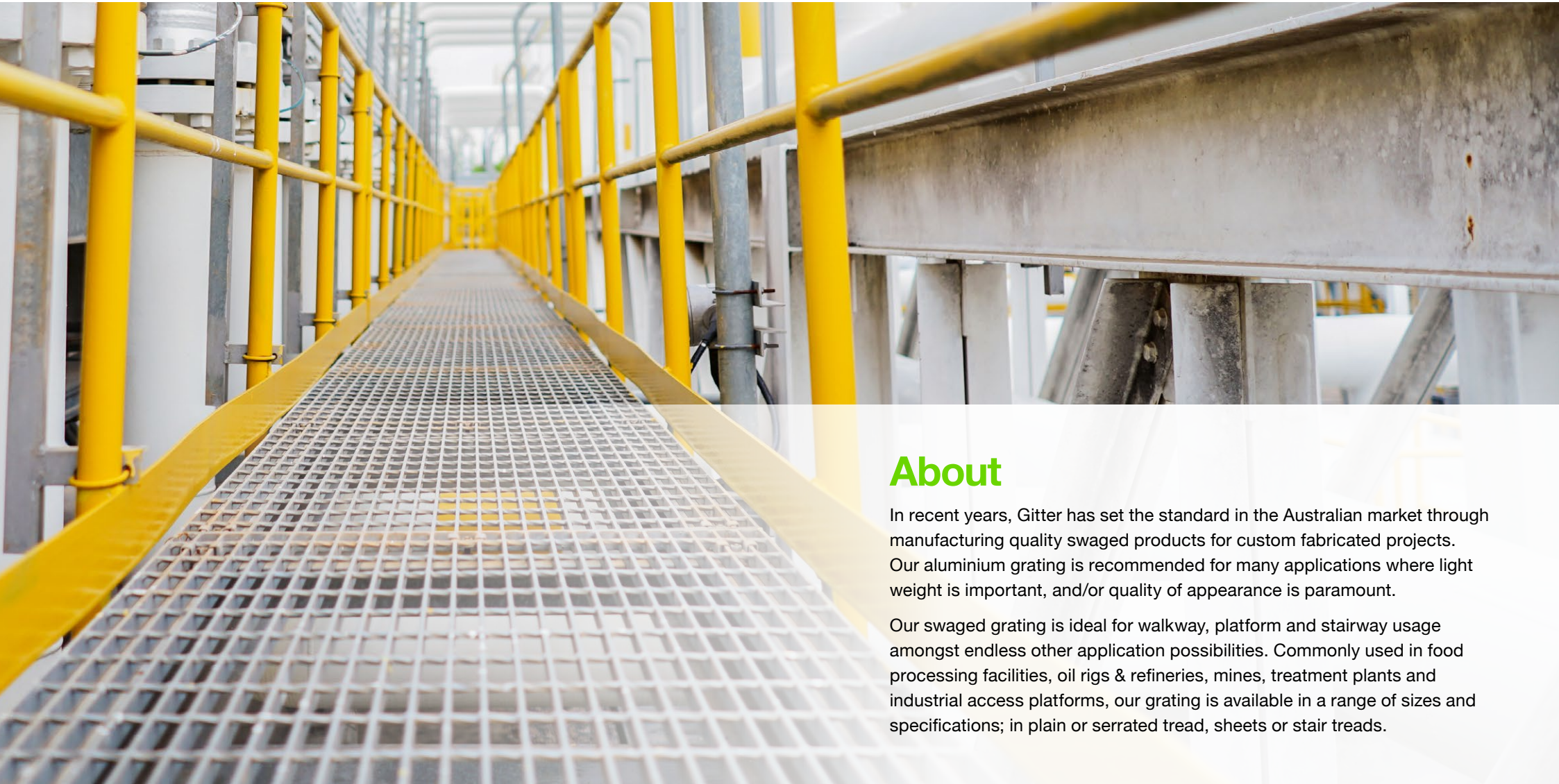


SWAGED GRATING  
WALKWAYS & PLATFORMS

[gittergroup.com](http://gittergroup.com)





## About

In recent years, Gitter has set the standard in the Australian market through manufacturing quality swaged products for custom fabricated projects. Our aluminium grating is recommended for many applications where light weight is important, and/or quality of appearance is paramount.

Our swaged grating is ideal for walkway, platform and stairway usage amongst endless other application possibilities. Commonly used in food processing facilities, oil rigs & refineries, mines, treatment plants and industrial access platforms, our grating is available in a range of sizes and specifications; in plain or serrated tread, sheets or stair treads.



## Benefits

Aluminium grating provide many years of years without showing any sign of decay or wear. This is simply because aluminium is a non-toxic metal and can be easily cleaned.

Swaged grating also allows you to incorporate a functional element, which also has an aesthetic appeal and most importantly keeping safe!

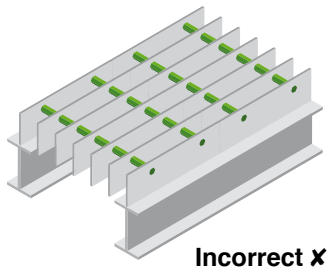
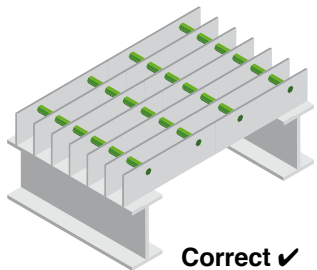


## Considerations when choosing flooring

### Span Direction

The direction that the flat bar extends in walkway grating is known as the span. This is important when considering how you are planning to support the walkway grating.

Grating has to be supported and fixed at 90° to the span direction. When this is the case, grating does not require support on the other axis (see below).



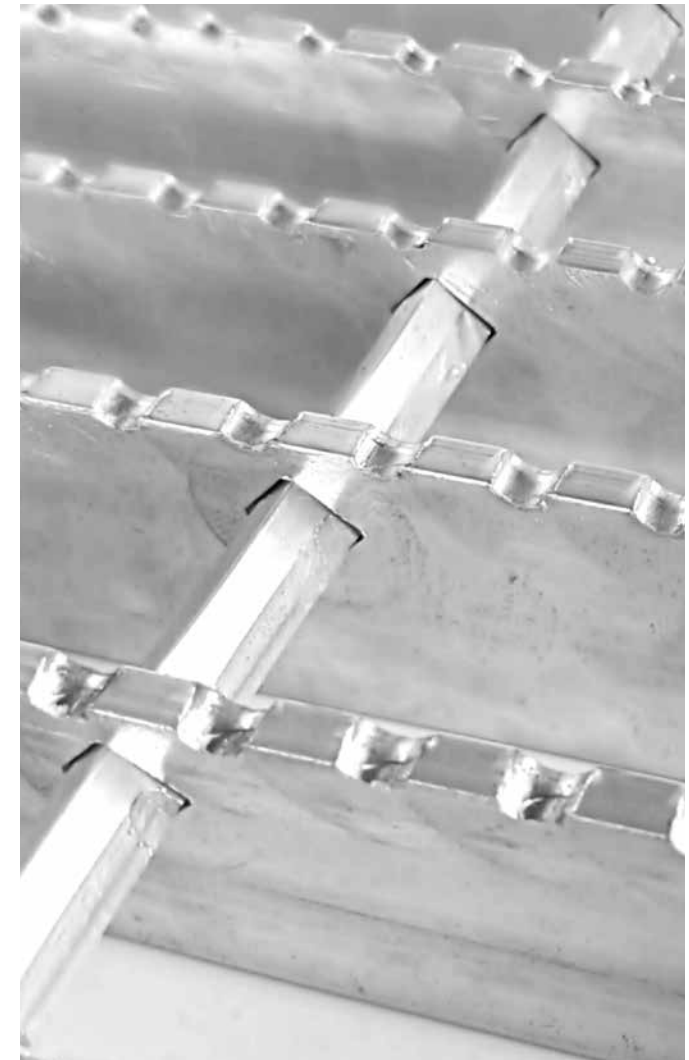
### Serrated or Plain Tread

Swaged grating is available with either a plain edging for standard applications, or a serrated edging which is often utilised when a higher slip resistance is required, such as wet or greasy areas.

Please clearly state whether you require plain or serrated surface when specifying.



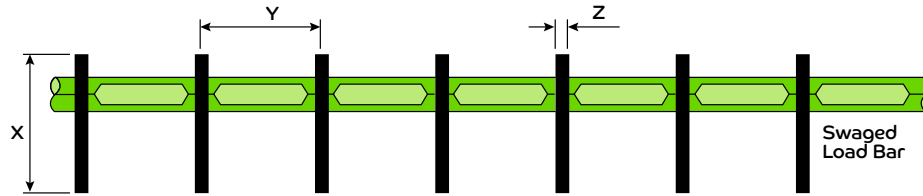
Plain Tread Walkway Grating



Serrated Tread Walkway Grating



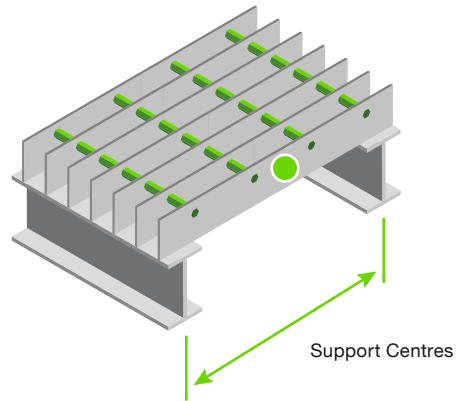
# Grating specifications & ordering codes



## Span & Specification Chart

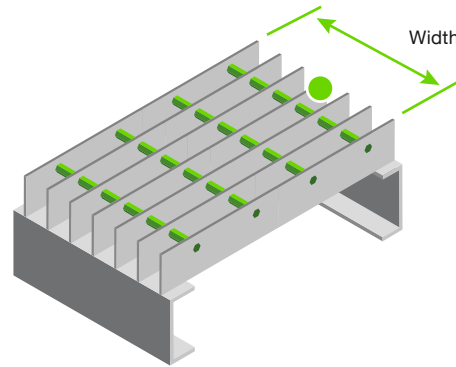
Product Code		Toe Depth	Blade Thick	Blade Pitch	Traffic	Panel Weight	Distance Between Supports (mm).																
							Measurements shown are panel load pressures in kPa. 1kPa = 102 kg/m <sup>2</sup>																
Plain	Serrated	"X" (mm)	"Z" (mm)	"Y" (mm)	Yes / No	kg/m <sup>2</sup>	750	900	1050	1200	1350	1500	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
SG 205-30	SGS 205-30	20	5	30	✓	11.00	7.00	4.00	2.50	1.50	1.00	0.50	-	-	-	-	-	-	-	-	-	-	-
SG 253-30	SGS 253-30	25	3	30	✓	9.00	7.50	5.00	3.00	1.50	1.25	0.50	-	-	-	-	-	-	-	-	-	-	-
SG 255-30	SGS 255-30	25	5	30	✓	13.00	7.5+	7.50	5.00	3.00	1.50	1.50	0.75	0.50	-	-	-	-	-	-	-	-	-
SG 323-30	SGS 323-30	32	3	30	✓	11.00	7.5+	7.50	5.00	4.00	2.50	1.50	1.00	0.75	0.50	-	-	-	-	-	-	-	-
SG 325-30	SGS 325-30	32	5	30	✓	17.00	7.5+	7.5+	7.5+	7.50	5.00	3.00	1.50	1.25	1.00	0.50	0.50	-	-	-	-	-	-
SG 403-30	SGS 403-30	40	3	30	✓	13.00	7.5+	7.5+	7.5+	7.50	5.00	4.00	2.00	1.50	1.00	0.75	0.50	0.50	-	-	-	-	-
SG 405-30	SGS 405-30	40	5	30	✓	20.00	7.5+	7.5+	7.5+	7.5+	7.50	5.00	4.00	2.50	2.00	1.50	1.00	0.75	0.50	0.50	-	-	-
SG 453-30	SGS 453-30	45	3	30	✓	14.00	7.5+	7.5+	7.5+	7.5+	7.50	5.00	3.00	2.50	3.00	1.25	1.00	0.75	0.50	0.50	-	-	-
SG 455-30	SGS 455-30	45	5	30	✓	23.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	5.00	4.00	2.50	2.00	1.75	1.00	1.00	0.75	0.50	0.50	-
SG 503-30	SGS 503-30	50	3	30	✓	16.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	5.00	3.00	4.00	1.75	1.25	1.00	0.75	0.50	0.50	-	-
SG 505-30	SGS 505-30	50	5	30	✓	25.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	5.00	3.00	3.00	2.50	2.00	1.50	1.00	1.00	0.50	0.50
SG 553-30	SGS 553-30	55	3	30	✓	17.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	5.00	4.00	5.00	2.50	2.00	1.50	1.00	0.50	0.50	0.50	0.50
SG 555-30	SGS 555-30	55	5	30	✓	27.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	4.00	4.00	3.00	2.50	2.00	1.50	1.00	1.00	0.50
SG 603-30	SGS 603-30	60	3	30	✓	19.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	5.00	5.00	3.00	2.50	2.00	1.50	1.25	1.00	0.75	0.50
SG 605-30	SGS 605-30	60	5	30	✓	30.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	5.00	5.00	4.00	3.00	2.50	2.00	1.75	1.50	1.25
SG 653-30	SGS 653-30	65	3	30	✓	20.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.50	7.50	4.00	3.00	2.50	2.00	1.50	1.25	1.00	0.75
SG 655-30	SGS 655-30	65	5	30	✓	32.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.00	5.00	4.00	3.50	3.00	2.50	2.00	1.50
SG 753-30	SGS 753-30	75	3	30	✓	23.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.00	5.00	4.00	3.00	2.50	2.00	1.70	1.50
SG 755-30	SGS 755-30	75	5	30	✓	37.00	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	7.5+	6.00	5.00	4.00	4.00	3.00	2.50

# Walkway grating components & terms



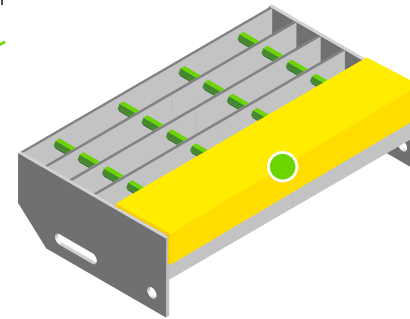
### Load Bearing Bar

A load-carrying member spanning between supports



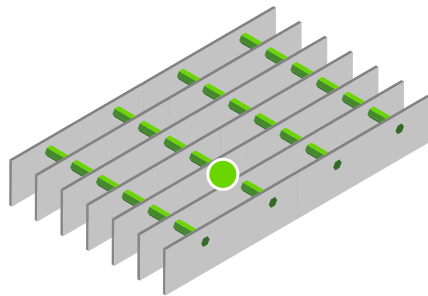
### Width

The overall dimensions of a panel at right angles to the load-bearing bars



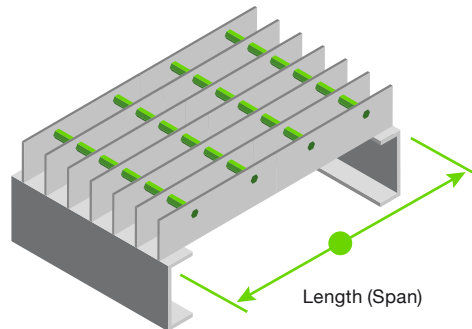
### Nosing Bar

A member attached to the front edge of a stair tread or top stair landing panel



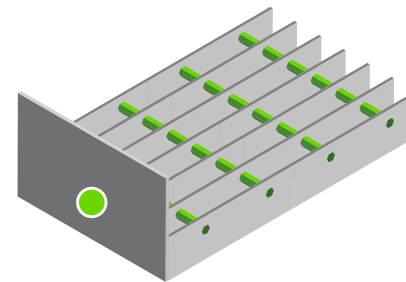
### Cross Bar

A member fixed at right angles to the load-bearing bars to provide lateral restraint



### Length (Direction of Span)

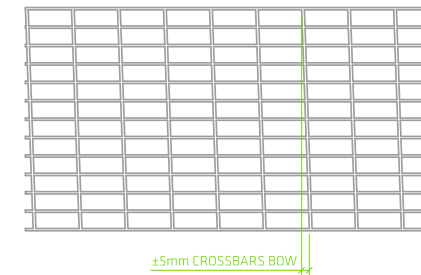
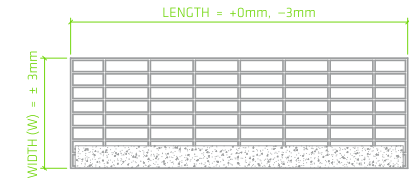
The overall dimensions of a panel parallel to the load-bearing bars



### Kick Plate

A large flat bar welded to the side or end of a panel and around cut-outs where specified. Nominally 100mm above walking surface.

# Tolerances



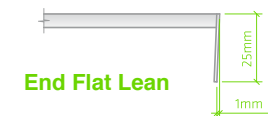
### Crossbar Spacing & Alignment



### Transverse Bow



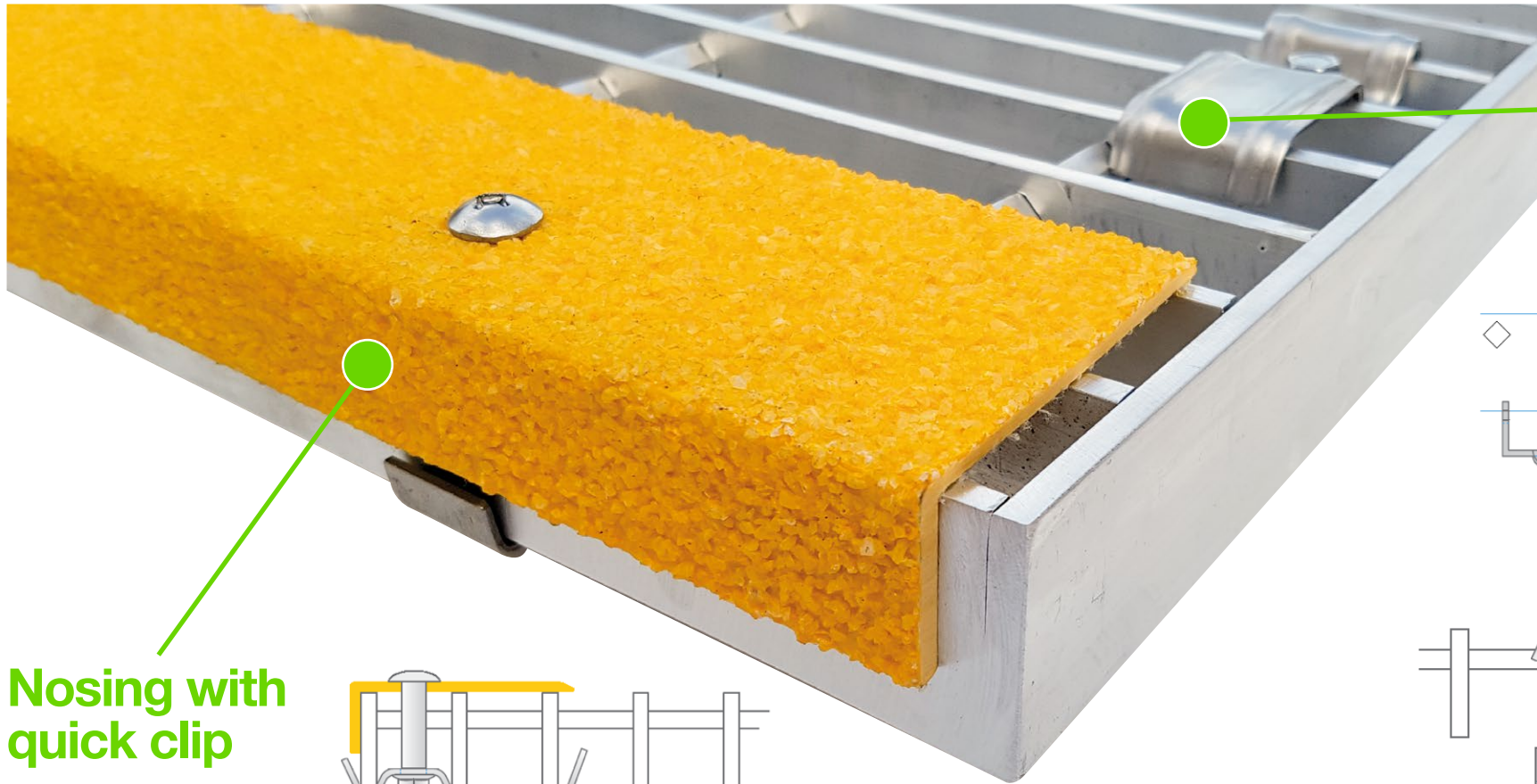
### Longitudinal Bow



### End Flat Lean

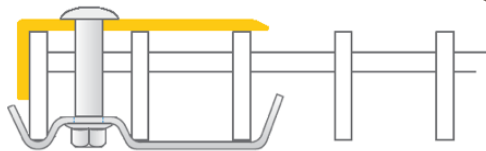


## Accessories



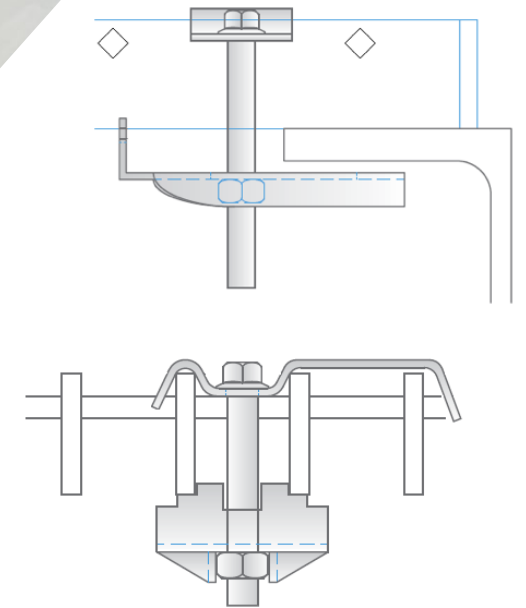
Nosing with quick clip

SN-7025Y



Grating Clamp

SFC-6030





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