INDAX

Industrial Access Systems

Grid Grating and Components

A division of Korvest Ltd

INDAX GRATING

INDAX

Table of Contents

1	Introduction	1
2	Surface Finish	1
3	Grating Components	2 - 4
4	Indax Grating Identification Codes	5
5	Panel Width & Load Bearing Bars	6
6	Guide to Selection of Grating Types	7
7	Safe Loads & Deflections	8 - 12
8	Manufacturing Tolerances	14
9	Grating Terminology	15 - 17
10	Indax Grating Installation Details	19 - 20
11	Indax Grating Fastening Details	21
12	Stair Tread Types	22 - 23
13	Tread Dimensions	24
14	Installation	25

INDAX

1. Introduction

Indax supply a wide range of steel grid grating products, stair treads, expanded mesh, roof walkways and fibreglass reinforced products including fibreglass grating and handrail components and associated products.

We also supply fabricated handrail panels and handrail components including stanchions, bends and self closing gates.

A product with a wide range of applications, Indax Grating can be used in industry as walkway flooring or as screens, drain covers and stairways.

Indax supplies grid grating fabricated to customers' specifications, including cut outs, banding and kick plates. Alternatively we can supply full sheets, in black or galvanised finishes.

2. Surface Finish

Indax Grating is available in a choice of two finishes:

1. Hot Dip Galvanised

Indax has its own in-house galvanising plant thus enabling quicker turnaround times. The hot dip galvanising process produces a durable, abrasion resistant coating of metallic zinc and zinc-iron alloy layers metallurgically bonded to the steel base, at a bath temperature of 450°C.

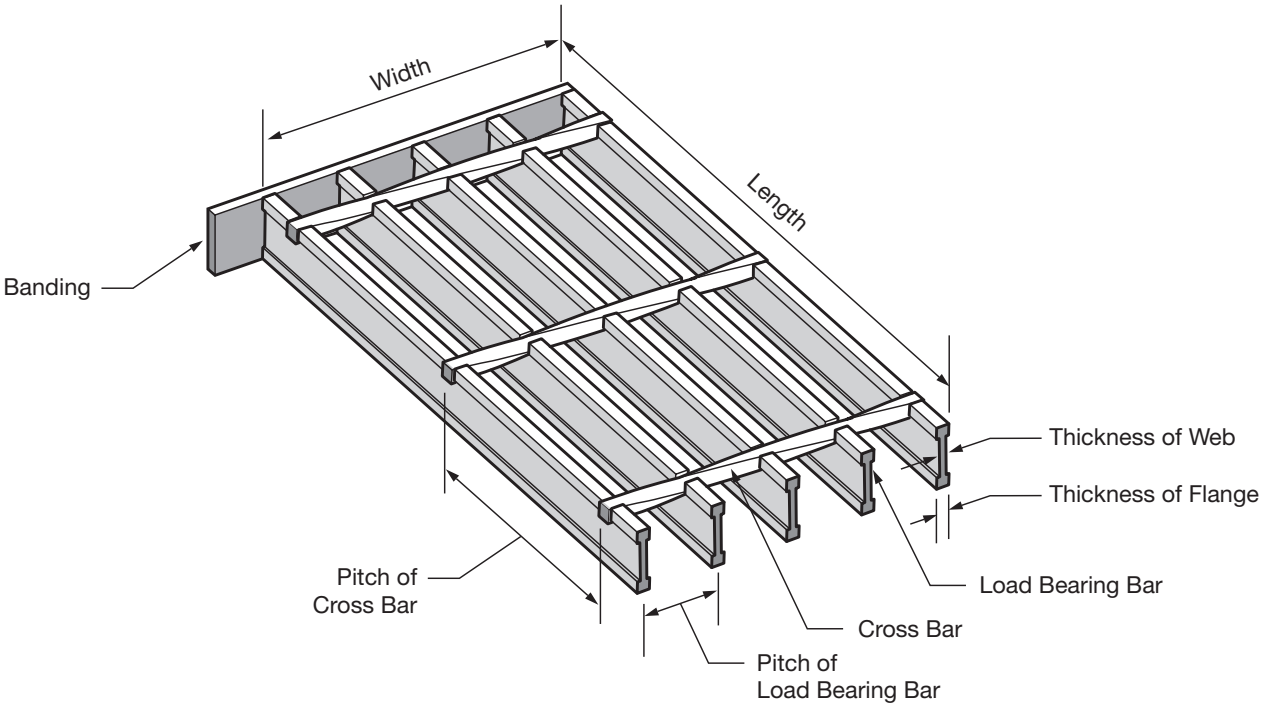
All galvanising conforms to Australian/New Zealand Standard AS/NZS 4680:2006 'Hot-dip galvanized (zinc) coatings on fabricated ferrous articles'.

2. Untreated (ungalvanised)

Untreated (ungalvanised) full sheets or panels can be supplied to customers who wish to fabricate their own panels to their own specifications.

INDAX

3. Grating Components



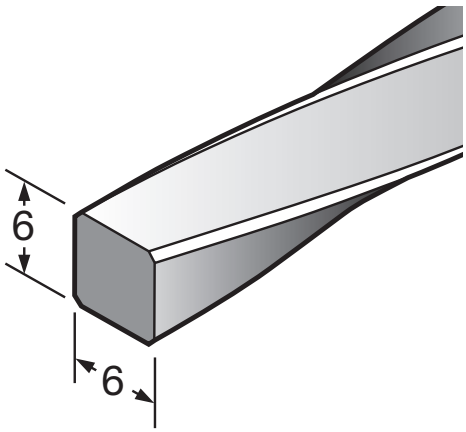
Pitch of Load Bearing Bar

The centre distance between two adjacent load bearing bars is called the pitch of the load bearing bar.

The standard pitch is 30mm (Series 1), 40mm (Series 2) & 60mm (Series 3).

Pitch of Cross Bar

The centre distance between two adjacent cross bars is called the pitch of the cross bar. The standard is 100mm. 50mm is available on request.



Twisted Cross Bar

INDAX

3. Grating Components

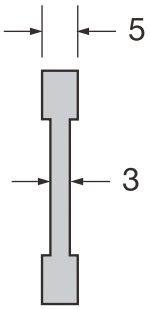
(continued)

Load Bearing Bar Shapes

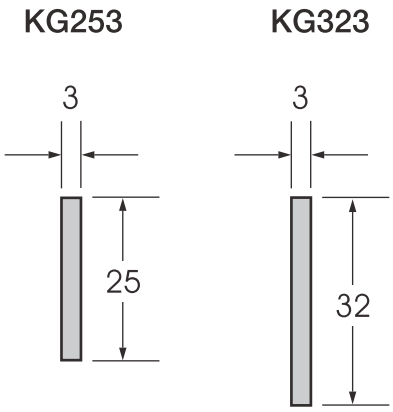
Indax Grating grid grating is manufactured in three different load bearing bar section shapes - **I** bar, flat bar and serrated bar.

I Bar

This is usually supplied when a load bearing bar thickness of 5 mm is specified. The load bearing bar has a section shape in the form of an **I** where the flange has a thickness of 5 mm and the web 3 mm. The advantage of an **I** bar section over a rectangular section is that for the same strength, the **I** bar is lighter.



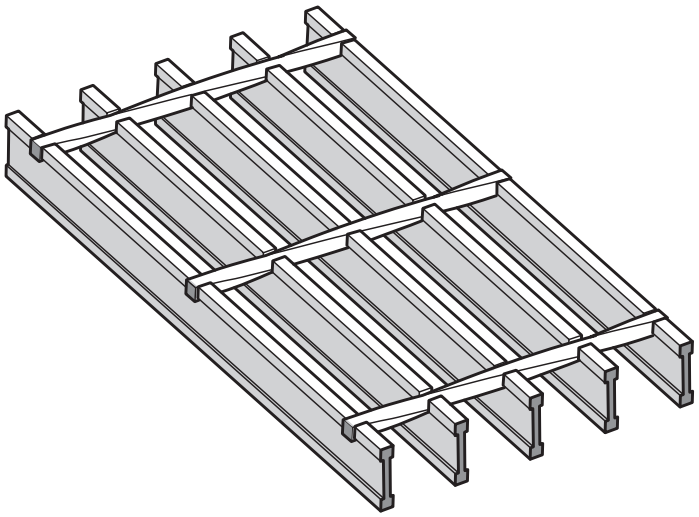
I Bar section



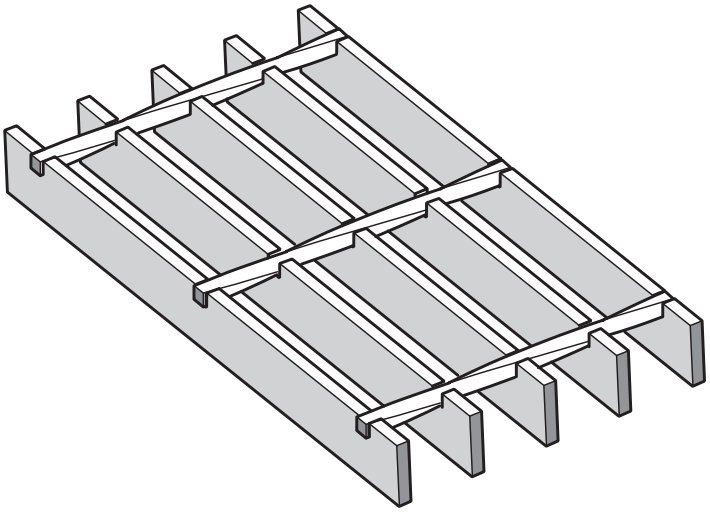
Flat load bearing bar section shapes

Flat Bar

The load bearing bar has a rectangular section shape and is available in a broad range of heights.



I Bar grating

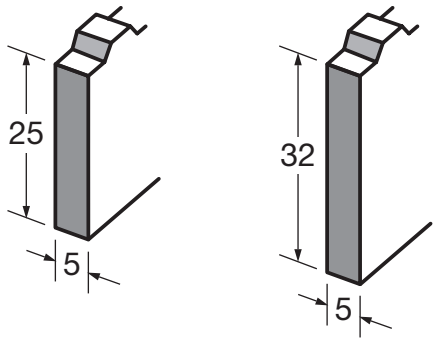


Flat Bar grating

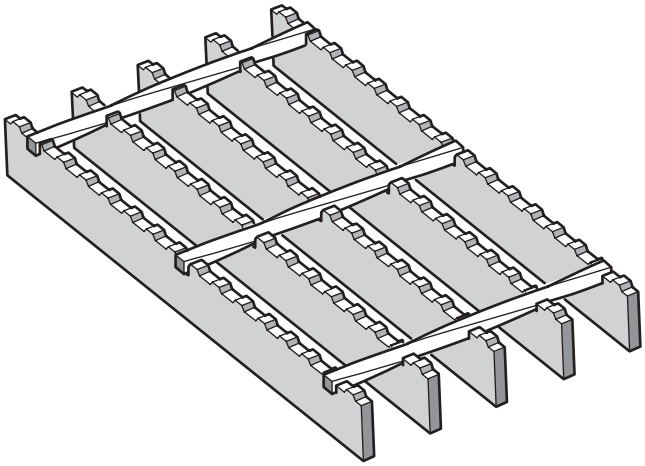
INDAX

3. Grating Components

(continued)



Serrated load bearing bar sections



Serrated load bearing bar grating

Serrated Flat Load Bearing Bar

This load bearing bar has a rectangular section with a serrated pattern rolled into the top surface. The serrations provide an excellent nonslip surface and, because they are rolled in, there are no sharp edges.

INDAX

4. Indax Grating Identification Codes

KGA, **KGB**, **KGC** etc signify the series. This example shows the **KGA** series.

KGA = Series 1 (30mm load bearing bar pitch with 100mm cross bar pitch).
KGB = Series 1 (30mm load bearing bar pitch with 50mm cross bar pitch).
KGC = Series 2 (40mm load bearing bar pitch with 100mm cross bar pitch).
KGD = Series 2 (40mm load bearing bar pitch with 50mm cross bar pitch).
KGE = Series 3 (60mm load bearing bar pitch with 100mm cross bar pitch).
KGF = Series 3 (60mm load bearing bar pitch with 50mm cross bar pitch).

Size of load bearing bar (height & thickness). In this example the height of the load bearing bar is 32 mm and thickness is 3 mm.

Load bearing bar pitch (spacing).
Series One = 30mm, Series Two = 40mm & Series Three = 60mm

KGA **323** **30** **100** **FB** **G**

Designates the surface treatment.
G = Galvanised
U = Untreated

Designates the shape of load bearing bars.
FB = Flat Bar
IB = I Bar
SEFB = Serrated Edge Flat Bar

Designates the cross bar pitch or spacing.
For example 100 indicates a pitch of 100mm.

INDAX

5. Panel Width and Load Bearing Bars

Relationship Between Panel Width and the Number and Size of Load Bearing Bars

	Nominal Width - millimetres		
Number of Load Bearing Bars	**Load Bearing Bar Centres 30 mm**	**Load Bearing Bar Centres 40 mm**	**Load Bearing Bar Centres 60 mm**
5	125	165	245
6	155	205	305
7	185	245	365
8	215	285	425
9	245	325	485
10	275	365	545
11	305	405	605
12	335	445	665
13	365	485	725
14	395	525	785
15	425	565	845
16	455	605	905
17	485	645	965
18	515	685	
19	545	725	
20	575	765	
21	605	805	
22	635	845	
23	665	885	
24	695	925	
25	725	965	
26	755	1005	
27	785		
28	815		
29	845		
30	875		
31	905		
32	935		
33	965		
34	995		

Note: The panel widths shown in this table are based on a load bearing bar thickness of 5 mm. For a load bearing bar thickness of 3 mm, the panel widths shown must be reduced by 2 mm.

6. Guide to Selection of Grating Type

Maximum Recommended Spans (mm) for Various Grid Sizes and Loads.

Light and Medium Duty

Load Bearing Bar Dimensions (mm)	Maintenance Floor No Public Usage			Pedestrian Traffic, Residential and Light Usage			Pedestrian Traffic, Commercial and Crowd Usage		
	UDL = 2.5 kPa Deflection = 5 mm			UDL = 3.0 kPa Deflection = 5 mm			UDL = 4.0 kPa Deflection = 5 mm		
	Load Bearing Bar Pitch (mm)			Load Bearing Bar Pitch (mm)			Load Bearing Bar Pitch (mm)		
	30	40	60	30	40	60	30	40	60
20 x 3	1190	1110	1000	1140	1060	960	1060	980	890
25 x 3	1410	1310	1180	1350	1250	1130	1250	1170	1050
32 x 3	1700	1580	1430	1620	1510	1360	1510	1400	1270
40 x 3	2010	1870	1690	1920	1780	1610	1780	1660	1500
20 x 5	1350	1260	1140	1290	1200	1090	1200	1120	1010
25 x 5	1600	1490	1350	1530	1420	1290	1420	1320	1200
32 x 5	1930	1790	1620	1840	1710	1550	1710	1590	1440
40 x 5	2280	2120	1920	2180	2030	1830	2030	1890	1700

Heavy Duty

Load Bearing Bar Dimensions (mm)	General Factories, Workshops and Wheeled Trolley Usage						Heavy Loading Areas, Boiler Rooms and Heavy Equipment					
	UDL = 5.0 kPa Deflection = 5 mm			UDL = 5.0 kPa Deflection = 10 mm			UDL = 7.5 kPa Deflection = 5 mm			UDL = 7.5 kPa Deflection = 10 mm		
	Load Bearing Bar Pitch (mm)			Load Bearing Bar Pitch (mm)			Load Bearing Bar Pitch (mm)			Load Bearing Bar Pitch (mm)		
	30	40	60	30	40	60	30	40	60	30	40	60
25 x 5	1350	1250	1130	1600	1490	1350	1220	1130	1020	1450	1350	1220
32 x 5	1620	1510	1360	1930	1790	1620	1460	1360	1230	1740	1620	1460
40 x 5	1920	1780	1610	2280	2120	1920	1730	1610	1460	2060	1920	1730
45 x 5	2090	1950	1760	2490	2320	2090	1890	1760	1590	2250	2090	1890
50 x 5	2270	2110	1910	2700	2510	2270	2050	1910	1720	2440	2270	2050
55 x 5	2440	2270	2050	2900	2700	2440	2200	2050	1850	2620	2440	2200
65 x 5	2760	2570	2320	3290	3060	2760	2490	2320	2100	2970	2760	2490
75 x 5	3080	2860	2590	3660	3400	3080	2780	2590	2340	3300	3080	2780
75 x 6	3220	3000	2710	3830	3560	3220	2910	2710	2440	3460	3220	2910

7. Safe Loads and Deflections

Safe Load and Deflections - Flat Load Bearing Bar at 30 mm Pitch

U = Safe Uniformly Distrinuted Load (kN/m2)
C = Safe Concentrated Load (kN/m)
D = Deflection at Mid Span (mm)

Indax Product Code	Load Bearing Bar Dimensions (mm)	Pitch - Cross Bar (mm)	Specific Weight (kg/m2)	Load	Deflection Factor	Load/Deflection	Span (mm) 300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
KGA/605/30/100/FB	60 x 5	100	82.9	0.93	1.03	U	2142.34	724.90	374.00	239.36	166.22	122.12	93.50	73.87	59.84	49.45	41.55	33.27	23.57	19.25	14.87	11.67	9.28	7.48	6.09
						D	0.35	0.60	0.98	1.53	2.21	3.01	3.93	4.97	6.14	7.43	8.84	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.0
KGB/605/30/50/FB		50	85.7			C	229.56	152.91	112.20	89.76	74.80	64.11	56.10	49.86	44.88	40.80	37.40	34.52	32.05	27.07	22.31	18.60	15.67	13.32	11.42
						D	0.20	0.45	0.79	1.23	1.77	2.41	3.14	3.98	4.91	5.94	7.07	8.30	9.63	10.00	10.00	10.00	10.00	10.00	10.0
KGA/555/30/100/FB	55 x 5	100	76.2	0.93	1.03	U	1791.52	623.46	314.26	201.12	139.67	102.61	78.56	62.07	50.28	41.55	32.59	25.63	19.54	14.85	11.45	8.99	7.15	5.76	
						D	0.38	0.67	1.07	1.67	2.41	3.28	4.29	5.42	6.70	8.10	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGB/555/30/50/FB		50	79.0			C	221.03	138.72	94.27	75.42	62.85	53.87	47.13	41.90	37.71	34.28	31.42	29.00	25.65	20.85	17.18	14.32	12.07	10.26	
						D	0.25	0.45	0.86	1.34	1.93	2.63	3.43	4.34	5.36	6.48	7.71	9.05	10.00	10.00	10.00	10.00	10.00	10.00	
KGA/505/30/100/FB	50 x 5	100	69.6	0.93	1.03	U	1416.74	496.28	259.72	166.22	115.43	84.80	64.93	51.30	41.55	31.78	24.48	19.25	14.86	11.14	8.60	6.75	5.37		
						D	0.40	0.71	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00		
KGB/505/30/50/FB		50	72.4			C	179.34	117.97	77.91	62.33	51.94	44.52	38.95	34.62	31.16	28.33	25.97	23.47	19.27	15.67	12.91	10.76	9.06		
						D	0.27	0.53	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00	10.00	10.00	10.00	10.00		
KGA/455/30/100/FB	45 x 5	100	62.9	0.93	1.03	U	1084.35	407.59	210.37	134.64	93.50	68.69	52.59	41.55	30.84	23.17	17.85	14.03	10.07	8.12	6.27				
						D	0.42	0.80	1.31	2.05	2.95	4.01	5.24	6.63	7.50	8.25	9.00	9.75	10.00	10.00	10.00				
KGB/455/30/50/FB		50	65.7			C	140.40	93.15	63.11	50.49	42.07	36.06	31.55	28.05	25.24	22.95	20.08	17.11	14.05	11.42	9.41				
						D	0.29	0.60	1.05	1.64	2.36	3.21	4.19	5.30	6.55	7.92	9.00	9.75	10.00	10.00	10.00				
KGA/405/30/100/FB	40 x 5	100	56.2	0.93	1.03	U	815.88	321.99	166.22	106.38	73.87	54.27	41.55	29.71	21.66	16.27	12.53	9.86	7.51	5.70					
						D	0.45	0.90	1.47	2.30	3.31	4.50	5.89	6.75	7.50	8.25	9.00	9.75	10.00	10.00					
KGB/405/30/50/FB		50	59.0			C	119.01	78.49	49.86	39.89	33.24	28.49	24.93	22.16	19.94	16.78	14.10	12.01	9.86	8.02					
						D	0.35	0.65	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00					
KGA/403/30/100/FB	40 x 3	100	34.9	0.93	1.04	U	543.95	203.93	99.73	63.82	44.32	32.56	24.93	17.82	12.99	9.76	7.52	5.91							
						D	0.50	0.95	1.47	2.30	3.31	4.51	5.89	6.75	7.50	8.25	9.00	9.75							
KGB/403/30/50/FB		50	37.7			C	71.40	47.09	29.92	23.93	19.94	17.09	14.96	13.29	11.96	10.07	8.46	7.21							
						D	0.35	0.78	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75							
KGA/355/30/100/FB	35 x 5	100	49.5	0.92	1.04	U	631.54	251.60	127.26	81.44	55.56	41.55	28.34	19.90	14.51	10.90	8.39	6.60	5.03						
						D	0.52	1.05	1.68	2.63	3.79	5.16	6.00	6.75	7.50	8.25	9.00	9.75	10.00						
KGB/355/30/50/FB		50	52.3			C	91.10	57.28	38.17	30.54	25.45	21.81	19.08	16.79	13.60	11.24	9.44	8.05	6.61						
						D	0.40	0.78	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00	9.75	10.00						
KGA/353/30/100/FB	35 x 3	100	30.8	0.92	1.04	U	378.91	150.95	76.35	48.86	33.93	24.93	17.00	11.94	8.70	6.54	5.03								
						D	0.52	1.05	1.68	2.63	3.79	5.16	6.00	6.75	7.50	8.25	9.00								
KGB/353/30/50/FB		50	33.6			C	54.66	34.36	22.90	18.32	15.27	13.09	11.45	10.07	8.16	6.74	5.66								
						D	0.40	0.85	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00								
KGA/325/30/100/FB	32 x 5	100	45.5	0.90	1.05	U	510.46	238.09	113.34	72.56	50.24	32.05	21.32	14.84	10.70	7.93	6.00								
						D	0.55	1.30	1.96	3.07	4.42	5.25	6.00	6.75	7.50	8.25	9.00								
KGB/325/30/50/FB		50	48.4			C	78.33	48.92	34.03	27.15	22.59	19.25	16.00	12.53	10.03	8.18	6.75								
						D	0.45	0.95	1.57	2.46	3.54	4.81	6.00	6.75	7.50	8.25	9.00								
KGA/323/30/100/FB	32 x 3	100	28.4	0.90	1.05	U	306.27	142.85	68.00	43.52	30.13	19.22	12.78	8.89	6.41										
						D	0.55	1.30	1.96	3.07	4.42	5.25	6.00	6.75	7.50										
KGB/323/30/50/FB		50	31.3			C	46.99	29.35	20.41	16.32	13.55	11.54	9.59	7.51	6.01										
						D	0.45	0.95	1.57	2.46	3.54	4.81	6.00	6.75	7.50										
KGA/255/30/100/FB	25 x 5	100	36.2	0.88	1.06	U	287.56	130.89	64.93	41.55	24.48	15.41	10.32	7.25	5.28										
						D	0.65	1.50	2.36	3.68	4.50	5.25	6.00	6.75	7.50										
KGB/255/30/50/FB		50	39.0			C	43.14	28.46	19.47	15.58	12.98	10.11	7.74	6.12	4.95										
						D	0.52	1.16	1.89	2.95	4.24	5.25	6.00	6.75	7.50										
KGA/253/30/100/FB	25 x 3	100	22.8	0.88	1.06	U	172.52	78.52	38.95	24.93	14.69	9.25	6.19												
						D	0.65	1.50	2.36	3.68	4.50	5.25	6.00												
KGB/253/30/50/FB		50	25.7			C	25.88	17.07	11.68	9.35	7.79	6.07	4.64												
						D	0.52	1.16	1.89	2.95	4.24	5.25	6.00												
KGA/205/30/100/FB	20 x 5	100	29.5	Not Recommended		U	181.13	80.79	41.55	21.66	12.53	7.89	5.28												
						D	0.80	1.81	2.95	3.75	4.50	5.25	6.00												
KGB/205/30/50/FB		50	32.3			C	27.17	18.19	12.46	9.97	7.05	5.18	3.96												
						D	0.64	1.45	2.36	3.68	4.50	5.25	6.00												
KGA/203/30/100/FB	20 x 3	100	18.8	Not Recommended		U	108.67	48.46	24.90	12.87	7.37														
						D	0.80	1.81	2.95	3.75	4.50														
KGB/203/30/50/FB		50	21.7			C	16.30	10.91	7.46	5.92	4.15														
						D	0.64	1.45	2.36	3.68	4.50														

7. Safe Loads and Deflections (continued)

Safe Load and Deflections - Flat Load Bearing Bar at 40 mm Pitch

U = Safe Uniformly Distrinuted Load (kN/m2)
C = Safe Concentrated Load (kN/m)
D = Deflection at Mid Span (mm)

Indax Product Code	Load Bearing Bar Dimensions (mm)	Pitch - Cross Bar (mm)	Specific Weight (kg/m2)	Load	Deflection	Serration Factor	Load/Deflection	Span (mm) 300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850
KGC/605/40/100/FB	60 x 5	100	64.1	0.93	1.03		U	1630.10	551.57	275.00	176.00	122.22	89.79	68.75	54.32	44.00	36.63	30.55	24.46	18.56	14.15	10.93	8.58	6.82	5.50
							D	0.35	0.60	0.98	1.53	2.21	3.01	3.93	4.97	6.14	7.43	8.84	9.75	10.00	10.00	10.00	10.00	10.00	10.00
KGD/605/40/50/FB		50	67.0				C	174.67	116.35	82.50	66.00	55.00	47.14	41.25	36.66	33.00	30.00	27.50	25.38	23.57	19.91	16.40	13.67	11.52	9.79
							D	0.20	0.45	0.79	1.23	1.77	2.41	3.14	3.98	4.91	5.94	7.07	8.30	9.63	10.00	10.00	10.00	10.00	10.00
KGC/555/40/100/FB	55 x 5	100	59.0	0.93	1.03		U	1363.16	474.37	231.07	147.88	102.70	75.45	57.76	45.64	36.97	30.55	23.96	18.84	14.37	10.90	8.42	6.61	5.25	
							D	0.38	0.67	1.07	1.67	2.41	3.82	4.29	5.42	6.70	8.10	9.00	9.75	10.00	10.00	10.00	10.00	10.00	
KGD/555/40/50/FB		50	61.8				C	168.18	105.55	69.32	55.45	46.21	39.61	34.66	30.81	27.72	25.20	23.10	21.33	18.86	15.33	12.63	10.53	8.87	
							D	0.25	0.53	0.86	1.34	1.93	2.63	3.43	4.34	5.36	6.48	7.71	9.05	10.00	10.00	10.00	10.00	10.00	
KGC/505/40/100/FB	50 x 5	100	53.9	0.93	1.03		U	1077.99	377.61	190.97	122.22	84.87	62.36	47.74	37.72	30.55	23.37	18.00	14.16	10.79	8.19	6.32			
							D	0.40	0.71	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00	10.00			
KGD/505/40/50/FB		50	56.7				C	136.46	89.76	57.29	45.83	38.19	32.73	28.64	25.45	22.91	20.83	19.09	19.25	14.17	11.52	9.49			
							D	0.27	0.60	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00	10.00	10.00			
KGC/455/40/100/FB	45 x 5	100	47.0	0.93	1.03		U	825.09	310.15	154.68	99.00	68.75	50.51	38.67	30.55	22.68	17.03	13.12	10.32	7.87	5.97				
							D	0.42	0.80	1.31	2.05	2.95	4.01	5.24	6.63	7.50	8.25	9.00	9.75	10.00	10.00				
KGD/455/40/50/FB		50	49.8				C	106.84	70.88	46.40	37.12	30.93	26.51	23.20	20.62	18.56	16.87	14.76	12.58	10.33	8.39				
							D	0.29	0.65	1.05	1.64	2.36	3.21	4.19	5.30	6.55	7.92	9.00	9.75	10.00	10.00				
KGC/405/40/100/FB	40 x 5	100	42.1	0.93	1.03		U	620.81	245.01	122.22	78.22	54.32	39.90	30.55	21.85	15.92	11.96	9.21	7.25	5.52					
							D	0.45	0.90	1.47	2.30	3.31	4.51	5.89	6.75	7.50	8.25	9.00	9.75	10.00					
KGD/405/40/50/FB		50	44.9				C	90.55	59.73	36.66	29.30	24.44	20.95	18.33	16.29	14.66	12.34	10.37	8.83	7.25					
							D	0.35	0.78	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00					
KGC/403/40/100/FB	40 x 3	100	26.4	0.93	1.04		U	413.90	155.18	73.33	46.93	32.59	23.94	18.33	13.11	9.55	7.18	5.53							
							D	0.50	0.95	1.47	2.30	3.31	4.51	5.89	6.75	7.50	8.25	9.00							
KGD/403/40/50/FB		50	29.2				C	54.33	35.83	22.00	17.60	14.66	12.57	11.00	9.77	8.80	7.40	6.22							
							D	0.35	0.78	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00							
KGC/355/40/100/FB	35 x 5	100	38.5	0.92	1.04		U	480.53	191.43	93.57	59.88	41.58	30.55	20.84	14.63	10.67	8.01	6.17							
							D	0.52	1.05	1.68	2.63	3.79	5.16	6.00	6.75	7.50	8.25	9.00							
KGD/355/40/50/FB		50	41.3				C	69.32	43.58	28.07	22.45	18.71	16.04	14.03	12.35	10.00	8.26	6.94							
							D	0.40	0.85	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00							
KGC/353/40/100/FB	35 x 3	100	24.2	0.92	1.04		U	288.31	114.85	56.14	35.93	24.95	18.33	12.50	8.78	6.40									
							D	0.52	1.05	1.68	2.63	3.79	6.16	6.00	6.75	7.50									
KGC/353/40/50/FB		50	27.0				C	41.59	26.15	16.84	13.47	11.22	9.62	8.42	7.41	6.00									
							D	0.40	0.85	1.35	2.10	3.03	4.13	5.39	6.75	7.50									
KGC/325/40/100/FB	32 x 5	100	34.2	0.90	1.05		U	373.46	174.18	82.91	53.07	36.76	23.44	15.59	10.85	7.82	5.79								
							D	0.55	1.30	1.96	3.07	4.42	5.25	6.00	6.75	7.50	8.25								
KGD/325/40/50/FB		50	37.1				C	59.60	37.22	25.89	20.72	17.19	14.65	12.17	9.54	7.64	6.22								
							D	0.45	0.95	1.57	2.46	3.54	4.81	6.00	6.75	7.50	8.25								
KGC/323/40/100/FB	32 x 3	100	21.7	0.90	1.05		U	224.07	104.50	49.74	31.84	22.04	14.06	9.35	6.50										
							D	0.55	1.30	1.96	3.07	4.42	5.25	6.00	6.75										
KGD/323/40/50/FB		50	24.5				C	35.76	22.33	15.53	12.42	10.31	8.78	7.29	5.71										
							D	0.45	0.95	1.57	2.46	3.54	4.81	6.00	6.75										
KGC/255/40/100/FB	25 x 5	100	27.4	0.88	1.06		U	218.81	99.60	47.74	30.55	18.00	11.33	7.59	5.33										
							D	0.65	1.50	2.36	3.68	4.50	5.25	6.00	6.75										
KGD/255/40/50/FB		50	30.2				C	32.82	21.65	14.32	11.45	9.54	7.44	5.69	4.50										
							D	0.52	1.16	1.89	2.95	4.24	5.25	6.00	6.75										
KGC/253/40/100/FB	25 x 3	100	17.5	0.88	1.06		U	131.27	59.74	28.64	18.33	10.80	6.80												
							D	0.65	1.50	2.36	3.68	4.50	5.25												
KGD/253/40/50/FB		50	20.4				C	19.69	12.99	8.59	6.87	5.72	4.46												
							D	0.52	1.16	1.89	2.95	4.24	5.25												
KGC/205/40/100/FB	20 x 5	100	22.5	Not Recommended			U	137.83	61.48	30.55	15.92	9.21	5.80												
							D	0.80	1.81	2.95	3.75	4.50	5.25												
KGD/205/40/50/FB		50	25.3				C	20.67	13.84	9.16	7.33	5.18	3.80												
							D	0.64	1.45	2.36	3.68	4.50	5.25												
KGC/203/40/100/FB	20 x 3	100	14.6	Not Recommended			U	82.68	36.87	18.94	9.79	5.60													
							D	0.80	1.81	2.95	3.75	4.50													
KGD/203/40/50/FB		50	17.4				C	12.40	8.30	5.67	4.50	3.15													
							D	0.64	1.45	2.36	3.68	4.50													

7. Safe Loads and Deflections (continued)

Safe Load and Deflections - Flat Load Bearing Bar at 60 mm Pitch

U = Safe Uniformly Distrinuted Load (kN/m2)
C = Safe Concentrated Load (kN/m)
D = Deflection at Mid Span (mm)

Indax Product Code	Load Bearing Bar Dimensions (mm)	Pitch - Cross Bar (mm)	Specific Weight (kg/m2)	Serration Factor	Load/Deflection		Span (mm)										
							150	300	450	600	750	900	1050	1200	1500	1800	2100
KGF/655/60/50/FB	65 x 5	50	49.0	0.92	1.04	U	3436.61	858.79	381.42	214.34	137.01	95.00	69.67	53.23	33.89	23.39	17.06
						D	0.06	0.24	0.55	0.99	1.54	2.22	3.03	3.96	6.18	8.91	12.12
						C	257.74	128.82	85.82	64.30	51.37	42.75	36.57	31.93	25.42	21.05	17.91
						D	0.04	0.19	0.44	0.79	1.23	1.78	2.43	3.18	5.01	7.30	10.12
KGF/555/60/50/FB	55 x 5	50	42.4	0.90	1.05	U	2460.46	614.80	273.02	153.39	98.02	67.94	49.81	38.04	24.20	16.68	
						D	0.07	0.29	0.65	1.17	1.82	2.63	3.58	4.68	7.31	10.53	
						C	184.53	92.22	61.43	46.01	36.72	30.57	26.15	22.82	18.15	15.01	
						D	0.05	0.23	0.52	0.93	1.46	2.10	2.87	3.76	5.93	8.67	
KGF/505/60/50/FB	50 x 5	50	39.0	0.89	1.06	U	2033.40	508.06	255.60	126.73	80.97	56.11	41.13	31.40	19.96	13.74	
						D	0.08	0.32	0.72	1.28	2.01	2.89	3.94	5.14	8.04	11.58	
						C	152.50	76.21	50.76	38.02	30.36	25.25	21.59	18.84	14.97	12.37	
						D	0.06	0.25	0.57	1.02	1.60	2.31	3.16	4.14	6.53	9.57	
KGF/455/60/50/FB	45 x 5	50	35.7	0.88	1.07	U	1647.01	411.49	182.69	102.61	65.54	45.41	33.27	25.39	16.12	11.09	
						D	0.08	0.35	0.80	1.43	2.23	3.21	4.37	5.72	8.93	12.87	
						C	123.52	61.72	41.10	30.78	24.58	20.43	17.46	15.23	12.09	9.98	
						D	0.07	0.28	0.64	1.14	1.78	2.57	3.51	4.60	7.28	10.68	
KGF/405/60/50/FB	40 x 5	50	32.3	0.87	1.07	U	1301.30	325.09	144.31	81.03	51.75	35.84	26.25	20.02	12.70		
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.05		
						C	97.59	48.76	32.47	24.31	19.40	16.13	13.78	12.01	9.52		
						D	0.08	0.32	0.72	1.28	2.01	2.89	3.95	5.18	8.21		
KGF/403/60/50/FB	40 x 3	50	21.7	0.87	1.07	U	780.76	195.30	86.56	48.60	31.02	21.48	15.72	11.99	7.60		
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.05		
						C	58.55	29.25	19.47	14.58	11.63	9.66	8.25	7.19	5.70		
						D	0.08	0.32	0.72	1.28	2.01	2.89	3.95	5.19	8.23		
KGF/325/60/50/FB	32 x 5	50	27.0	0.83	1.09	U	832.77	207.99	92.29	51.80	33.06	22.87	16.74	12.75			
						D	0.12	0.50	1.13	2.01	3.14	4.52	6.15	8.04			
						C	62.45	31.20	20.76	15.54	12.39	10.29	8.78	7.65			
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.95	6.50			
KGF/323/60/50/FB	32 x 3	50	18.5	0.83	1.09	U	499.64	124.77	55.35	31.06	19.81	13.70	10.02	7.63			
						D	0.12	0.50	1.13	2.01	3.14	4.52	6.15	8.04			
						C	37.47	18.71	12.45	9.31	7.43	6.16	5.26	4.57			
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.95	6.50			
KGF/255/60/50/FB	25 x 5	50	22.3	0.79	1.12	U	508.22	126.89	56.27	31.56	20.12	13.90	10.16				
						D	0.16	0.54	1.44	2.57	4.02	5.79	7.88				
						C	38.11	19.03	12.66	9.46	7.54	6.25	5.33				
						D	0.12	0.51	1.56	2.05	3.21	4.64	6.34				
KGF/253/60/50/FB	25 x 3	50	15.7	0.79	1.12	U	304.91	76.15	33.74	18.91	12.05	8.32	6.07				
						D	0.16	0.64	1.44	2.57	4.02	5.79	7.88				
						C	22.86	11.41	7.59	5.67	4.51	3.74	3.18				
						D	0.12	0.51	1.15	2.05	3.21	4.64	6.35				
KGF/205/60/50/FB	20 x 5	50	19.0	Not Recommended		U	325.22	81.16	35.97	20.15	12.83	8.85					
						D	0.20	0.80	1.81	3.21	5.02	7.23					
						C	24.39	12.17	8.09	6.04	4.81	3.98					
						D	0.16	0.64	1.44	2.56	4.01	5.80					

7. Safe Loads and Deflections (continued)

Safe Load and Deflections - I Section Load Bearing Bar at 30 mm Pitch

U = Safe Uniformly Distrinuted Load (kN/m2)
C = Safe Concentrated Load (kN/m)
D = Deflection at Mid Span (mm)

Indax Product Code	Load Bearing Bar Dimensions (mm)	Pitch - Cross Bar (mm)	Specific Weight (kg/m2)	Load	Serration Factor	Deflection Load/Deflection	Span (mm) 600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
KGA/757/30/100/IB	75 x 7 x 4	100	114.2	0.93	1.03	U	421.43	379.64	332.74	246.66	216.47	201.32	154.62	120.76	92.75	72.70	55.16	41.58	31.86	24.75	19.45	15.45	12.37
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGB/757/30/50/IB		50	117.5			C	138.46	133.78	127.38	125.94	122.59	120.96	117.44	104.63	101.58	86.26	70.47	56.91	46.50	38.37	31.93	26.75	22.53
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGA/657/30/100/IB	65 x 7 x 4	100	99.6	0.93	1.03	U	274.63	247.38	216.78	160.63	140.95	131.06	100.60	78.50	60.24	47.17	35.73	26.87	20.52	15.89	12.43	9.82	7.81
						D	0.50	1.01	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGB/657/30/50/IB		50	102.3			C	89.70	86.64	82.47	81.51	79.32	78.23	75.63	67.59	65.60	55.64	45.38	36.55	29.78	24.49	20.28	16.90	14.14
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGA/607/30/100/IB	60 x 7 x 4	100	92.8	0.93	1.03	U	183.77	165.50	144.99	107.35	94.16	87.53	67.12	52.13	40.06	31.30	23.63	17.69	13.44	10.33	8.02	6.26	
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGB/607/30/50/IB		50	95.7			C	68.91	66.55	63.32	62.57	60.87	60.02	58.23	51.81	50.26	42.59	34.63	27.88	22.66	18.57	15.33	12.71	
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGA/557/30/100/IB	55 x 7 x 4	100	85.8	0.93	1.03	U	166.79	150.21	131.60	97.45	85.47	79.46	60.93	47.50	36.38	28.43	21.47	16.08	12.22	9.40	7.30	5.71	
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGB/557/30/50/IB		50	88.7			C	53.98	52.10	49.54	48.92	47.56	46.87	45.41	40.38	36.85	33.09	26.86	21.50	17.37	14.14	11.57	9.49	
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGA/507/30/100/IB	50 x 7 x 4	100	79.1	0.93	1.03	U	126.19	113.63	99.54	73.67	64.60	60.04	46.01	35.83	27.41	21.39	16.11	12.03	9.11	6.97	5.38		
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00		
KGB/507/30/50/IB		50	81.9			C	40.20	38.79	36.88	36.42	36.40	34.88	33.81	30.03	27.40	24.59	19.94	15.94	12.86	10.45	8.53		
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00		
KGA/505/30/100/IB	50 x 5 x 3	100	55.0	0.93	1.03	U	238.28	152.50	105.90	77.00	59.57	47.06	38.12	29.16	22.46	17.66	13.63	10.22	7.89	6.19			
						D	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00	10.00	10.00			
KGB/505/30/100/IB		50	57.8			C	71.48	57.18	47.65	40.84	35.73	31.76	28.59	25.99	23.83	21.53	17.68	14.38	11.84	9.87			
						D	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00	10.00	10.00	10.00			
KGA/445/30/100/IB	44 x 5 x 3	100	50.1	0.93	1.04	U	149.97	95.62	66.27	48.61	40.78	29.24	24.13	18.36	14.06	10.98	8.28	6.20					
						D	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00					
KGB/445/30/50/IB		50	53.0			C	45.62	36.48	30.34	25.96	22.61	20.10	17.93	16.22	14.80	13.27	10.75	8.59					
						D	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00	10.00					
KGA/385/30/100/IB	38 x 5 x 3	100	43.9	0.92	1.05	U	140.10	86.69	62.20	45.61	30.96	21.62	15.65	11.66	8.89	6.90	5.71						
						D	1.68	2.63	3.79	5.16	6.00	6.75	7.50	8.25	9.00	9.75	10.00						
KGB/385/30/100/IB		50	46.8			C	45.56	36.21	30.16	25.81	22.49	19.70	15.84	12.98	10.79	9.08	7.32						
						D	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00	9.75	10.00						
KGA/325/30/100/IB	32 x 5 x 3	100	37.8	0.90	1.05	U	86.57	55.41	38.47	24.67	16.53	11.60	8.45	6.35									
						D	1.96	3.07	4.42	5.25	6.00	6.75	7.50	8.25									
KGB/325/30/50/IB		50	40.6			C	25.97	20.59	17.16	14.70	12.28	9.70	7.85	6.49									
						D	1.57	2.46	3.54	4.81	6.00	6.75	7.50	8.25									
KGA/255/30/100/IB	25 x 5 x 3	100	31.1	0.88	1.06	U	60.68	38.84	22.87	14.40	9.64	6.78											
						D	2.36	3.68	4.50	5.25	6.00	6.75											
KGB/255/30/100/IB		50	34.0			C	18.20	14.56	12.13	9.45	7.23	5.72											
						D	1.89	2.95	4.24	5.25	6.00	6.75											

7. Safe Loads and Deflections (continued)

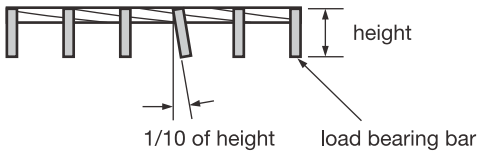
Safe Load and Deflections - I Section Load Bearing Bar at 40 mm Pitch

U = Safe Uniformly Distrinuted Load (kN/m2)
C = Safe Concentrated Load (kN/m)
D = Deflection at Mid Span (mm)

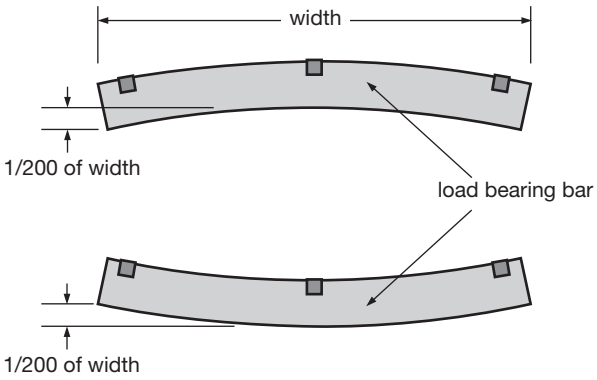
Indax Product Code	Load Bearing Bar Dimensions (mm)	Pitch - Cross Bar (mm)	Specific Weight (kg/m2)	Load	Deflection Factor	Load/Deflection	Span (mm) 600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000
KGC/757/40/100/IB	75 x 7 x 4	100	86.6	0.93	1.03	U	316.04	284.71	249.53	184.97	162.33	150.97	115.94	90.55	69.54	54.50	41.35	31.16	23.87	18.54	14.57	11.56	9.25
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGD/757/40/50/IB		50	91.5			C	103.68	100.17	95.38	94.30	91.79	90.59	87.93	78.33	76.05	64.57	52.57	42.58	34.79	28.70	23.87	19.99	16.83
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGC/657/40/100/IB	65 x 7 x 4	100	77.4	0.93	1.03	U	285.96	185.51	162.56	120.45	185.69	98.27	75.43	58.86	45.16	35.35	26.77	20.13	15.37	11.89	9.30	7.34	5.83
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGD/657/40/50/IB		50	80.3			C	67.26	64.97	61.84	61.11	59.47	58.65	56.92	53.67	49.17	41.69	34.00	27.38	22.29	18.32	15.17	12.63	10.56
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00
KGC/607/40/100/IB	60 x 7 x 4	100	72.1	0.93	1.03	U	165.23	148.82	130.39	96.58	84.73	78.78	60.44	47.14	36.14	28.26	21.37	16.04	12.22	9.43	7.35	5.77	
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGD/607/40/50/IB		50	74.9			C	52.65	50.84	48.37	47.80	46.50	45.85	44.48	39.57	38.39	32.53	26.48	21.29	17.29	14.17	11.69	9.69	
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	
KGC/557/40/100/IB	55 x 7 x 4	100	66.6	0.93	1.03	U	125.07	112.64	98.68	73.06	64.08	59.57	45.67	35.60	27.26	21.30	16.08	12.03	9.14	7.03	5.45		
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00		
KGD/557/40/50/IB		50	69.5			C	40.52	39.12	37.21	36.75	35.74	35.23	34.17	30.37	27.74	24.92	20.26	16.24	13.16	10.74	8.82		
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00	10.00		
KGC/507/40/100/IB	50 x 7 x 4	100	61.5	0.93	1.03	U	94.62	85.20	74.63	55.22	48.42	45.01	34.48	26.84	20.53	16.01	12.06	9.00	6.80	5.20			
						D	0.50	1.10	2.00	2.75	4.12	6.14	7.20	8.25	9.00	9.75	10.00	10.00	10.00	10.00			
KGD/507/40/50/IB		50	64.5			C	30.14	29.08	27.65	27.30	26.53	26.14	25.34	22.50	20.53	18.42	14.93	11.93	9.62	7.81			
						D	0.45	0.85	1.40	2.20	3.20	4.50	6.00	7.13	9.00	9.75	10.00	10.00	10.00	10.00			
KGC/505/40/100/IB	50 x 5 x 3	100	43.5	0.93	1.03	U	160.76	120.54	71.10	52.18	39.82	31.43	25.38	19.31	14.79	11.55	8.72	6.52					
						D	1.18	1.84	2.65	3.61	4.71	5.97	7.37	8.25	9.00	9.75	10.00	10.00					
KGD/505/40/50/IB		50	46.3			C	61.30	49.01	40.83	34.98	30.49	27.82	24.24	21.97	20.07	18.04	14.68	11.79					
						D	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00	10.00					
KGC/445/40/100/IB	44 x 5 x 3	100	39.7	0.93	1.04	U	124.65	79.77	55.25	40.44	30.89	24.32	17.96	13.40	10.24	7.98	6.00						
						D	1.31	2.05	2.95	4.01	5.24	6.63	7.50	8.25	9.00	9.75	10.00						
KGD/445/40/50/IB		50	42.6			C	40.64	32.47	27.03	23.14	20.15	17.83	15.98	14.47	13.20	11.84	9.60						
						D	0.94	1.47	2.12	2.89	3.77	4.77	5.89	7.13	8.49	9.75	10.00						
KGC/385/40/100/IB	38 x 5 x 3	100	34.9	0.92	1.05	U	103.43	66.20	45.91	33.66	22.84	15.95	11.54	8.59	6.54	5.08							
						D	1.68	2.63	3.79	5.16	6.00	6.75	7.50	8.25	9.00	9.75							
KGD/385/40/50/IB		50	37.7			C	37.49	29.80	24.82	21.26	18.51	16.22	13.05	10.69	8.90	7.49							
						D	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00	9.75							
KGC/325/40/100/IB	32 x 5 x 3	100	30.1	0.90	1.05	U	63.66	40.74	28.29	18.14	12.15	8.53	6.22										
						D	1.96	3.07	4.42	5.25	6.00	6.75	7.50										
KGD/325/40/50/IB		50	32.9			C	19.09	15.28	12.73	10.91	9.11	7.19	5.83										
						D	1.57	2.46	3.54	4.81	6.00	6.75	7.50										
KGC/255/40/100/IB	25 x 5 x 3	100	24.9	0.88	1.06	U	44.62	28.55	16.82	10.59	7.09												
						D	2.36	3.68	4.50	5.25	6.00												
KGD/255/40/50/IB		50	27.7			C	13.38	10.70	8.92	6.95	5.32												
						D	1.89	2.95	4.24	5.25	6.00												

INDAX

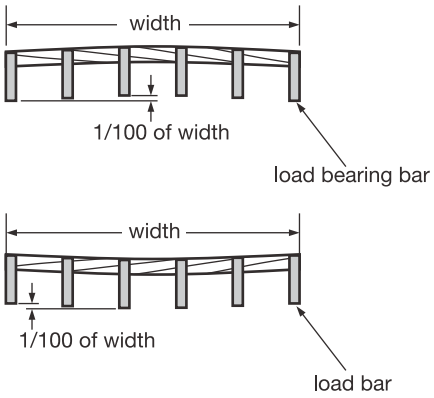
8. Manufacturing Tolerances



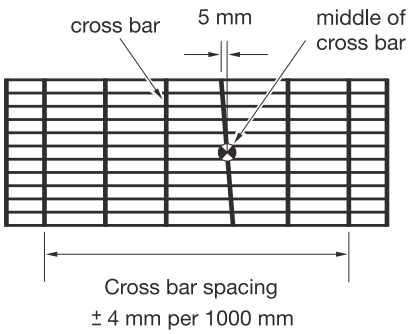
Load bearing bar lean



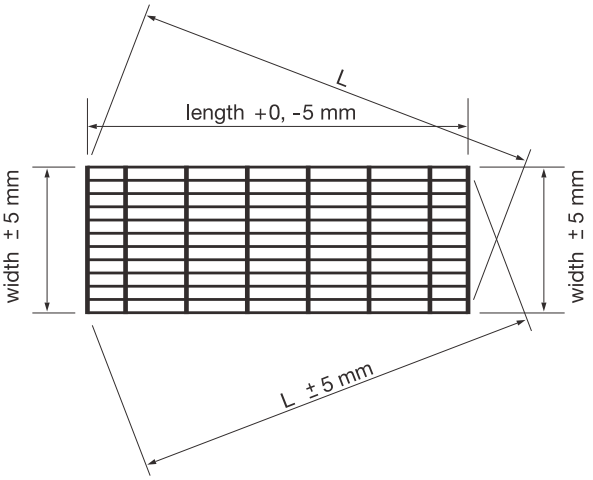
Longitudinal bow



Transverse bow



Cross bar spacing and alignment



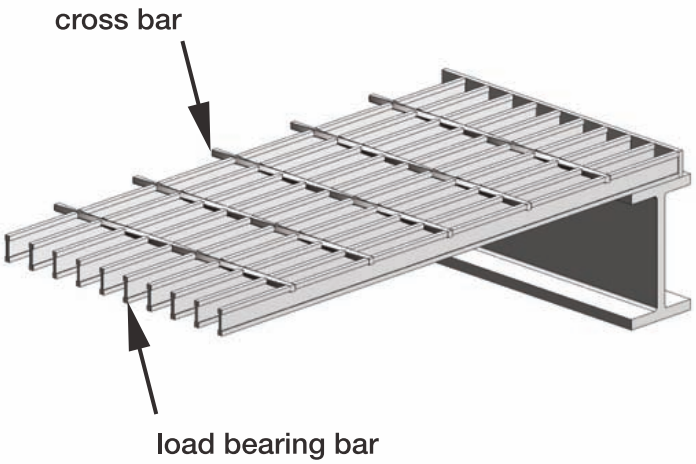
Overall dimensions and squareness

INDAX

9. Grating Terminology

Load Bearing Bar
A load carrying bar spanning across support members.

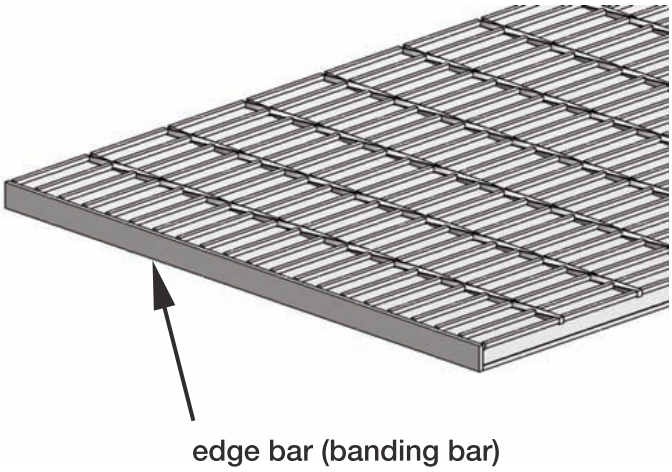
Cross Bar
Round or square twisted bar welded at 90 degrees to the load bearing bars.



Edge Bar (Banding Bar)
A trimming bar, usually of the same height as the load bar and welded to the load bar. Often an edge bar is used to trim around cutouts.

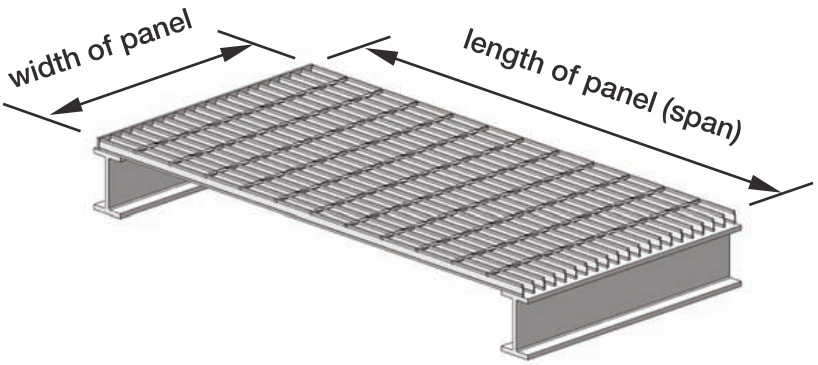
Banding bars are welded with a 3 mm fillet weld (min) to;

- every 5th load bearing bar - series 1 grating
- every 4th load bearing bar - series 2 grating
- every 3rd load bearing bar - series 3 grating



Length of Panel (Span)
Overall dimension of the panel as measured parallel to the load bearing bars.

Width of Panel
Overall dimension of the panel as measured in a direction perpendicular to the load bearing bars. The width of the panel will always be to the nearest load bearing bar unless otherwise stipulated on the order.

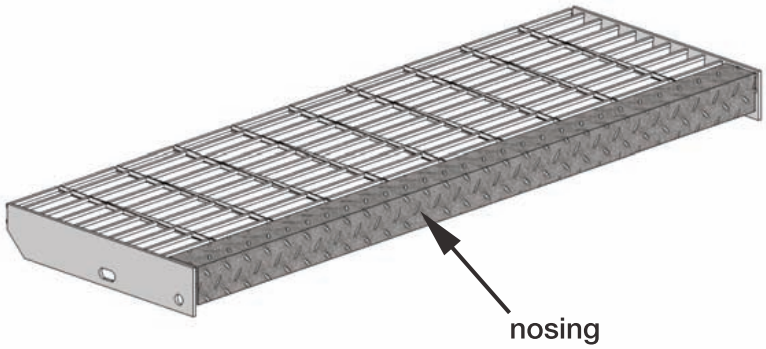


INDAX

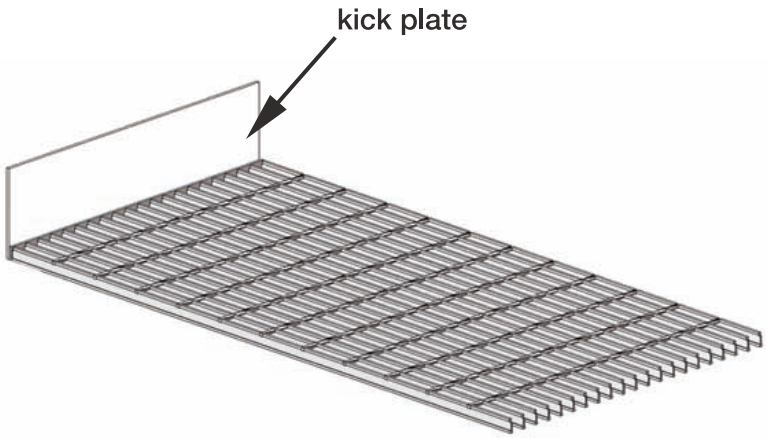
9. Grating Terminology

(continued)

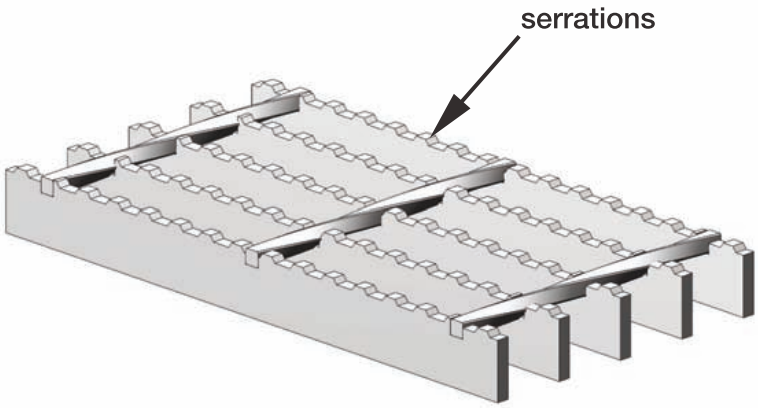
Nosing
A component attached to the front or leading edge of the stair tread. Its purpose is to minimise slippage.



Kick Plate
A heavy plate or bar which (when specified) is welded to the ends or sides of the assembly and around cutouts. Its purpose is to stop feet from slipping off the edge.



Serrations
Notches or corrugations formed into the top edge of the load bearing bars. Their purpose is to minimise slippage.

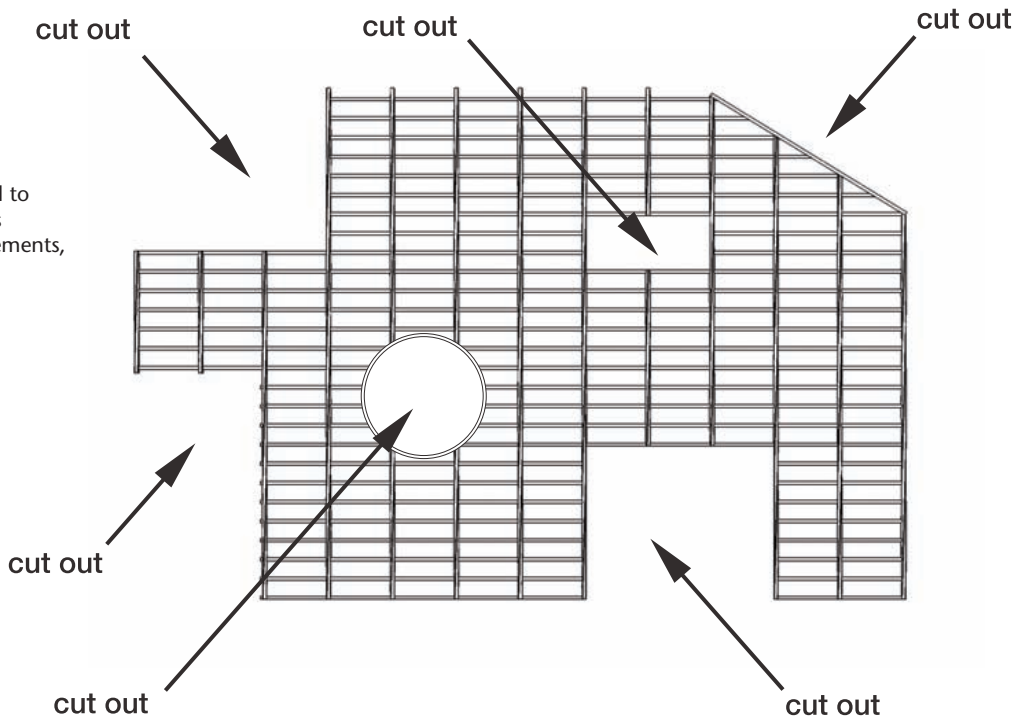


INDAX

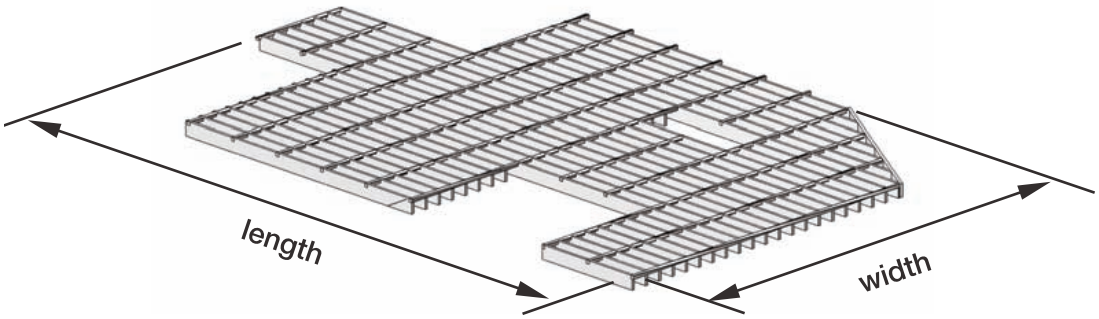
9. Grating Terminology

(continued)

Cut Outs
Sections of the grating removed to allow other components to pass through eg. pipes, structural elements, handrails etc.

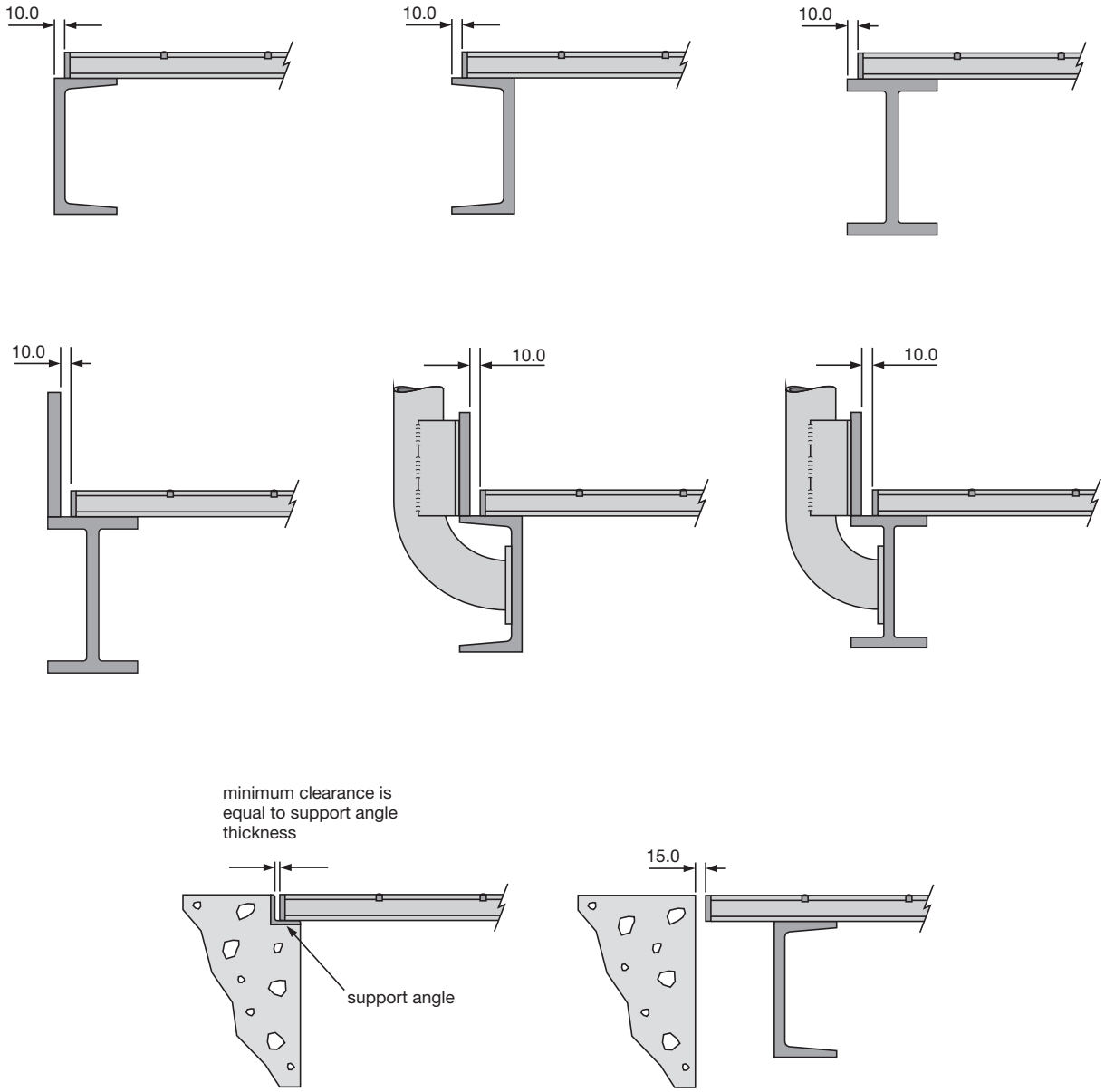


Gross Area
The area calculated using the overall width and the overall length.



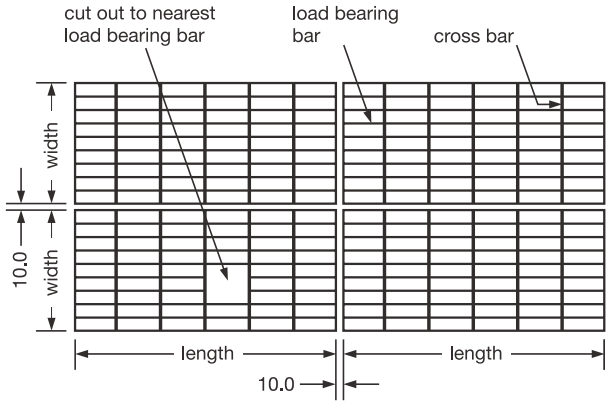
INDAX

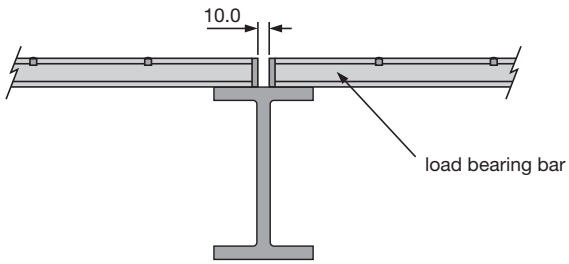
10. Indax Grating Installation Details

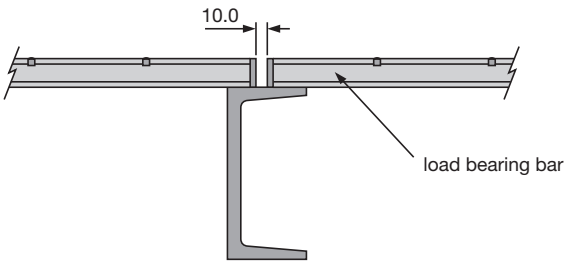


10. Indax Grating Installation Details

(continued)







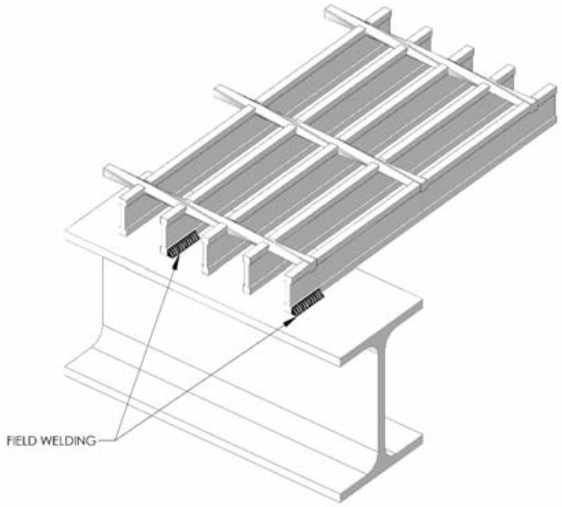
INDAX

11. Indax Grating Fastening Details

When attaching gratings to supporting steelwork, the most positive fixing method, and by far the most economical, is to employ on-site welding.

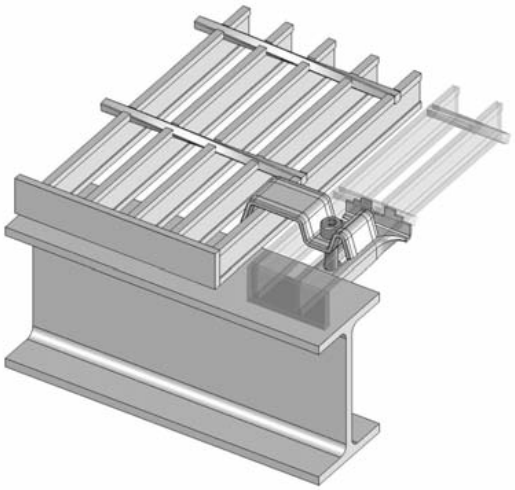
Where panels are required to be removable or where surface treatment of the grating (eg. galvanising) may be damaged, it is recommended that Indax Grating fixing clips are employed.

Indax Grating fixing clips are supplied as standard with a zinc-plated finish. Where there is no lateral restraint provided by the support structure, a minimum of four clips per panel must be used to restrain floor panels. Where larger panels are to be fixed, it is advisable to use extra clips at mid span or on any available intermediate supports.



Welding

Recommended for all permanently installed gratings, and for gratings that are to be removed only at infrequent intervals.



Saddle Clip - Type B

This can be secured quickly and safely by a single person, working from the floor surface.

Note: In order to reduce the risk of accidents occurring, Indax recommend that, where panels are used on site as a means of providing temporary access during erection, they should be lightly tack-welded to the supporting steelwork. Due to constant traffic, unfixed panels have a tendency to slowly drift away from their supports with the eventual result that the panels may tip over under the weight of a person. When a group of panels are in their correct position they should be fixed immediately using one of the recommended methods.

INDAX

12. Stair Tread Types

Although Indax Grating stair treads can be fabricated to suit specific individual size requirements, cost savings can be taken advantage of by selecting standard lengths and widths.

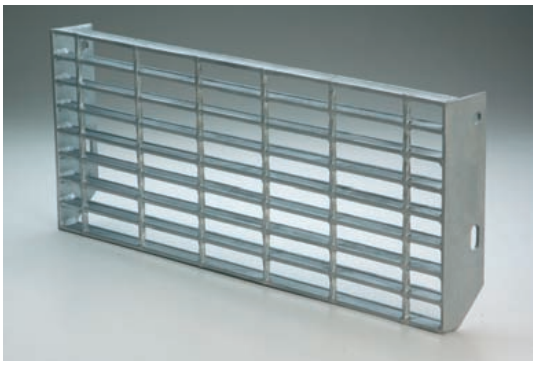
The majority of Indax Grating standard treads are fabricated using KGA255/30/IB (25 x 5 I section load bearing bar) and KGA325/30/IB (32 x 5 I section load bearing bar).

KGT1

- **Welded fixing**
- **Banded ends**
- **No nosing**

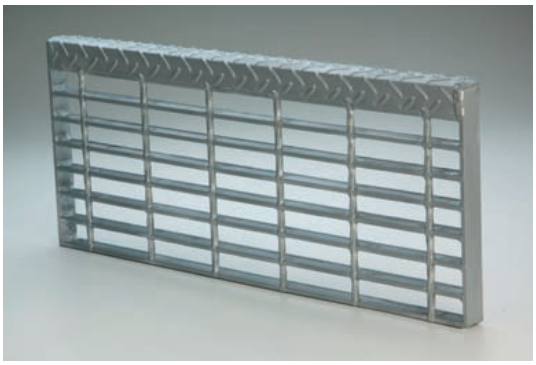
KGT2

- **Bolted fixing**
- **Holed end plates**
- **No nosing**



KGT3

- **Welded fixing**
- **Banded ends**
- **Floor plate nosing**

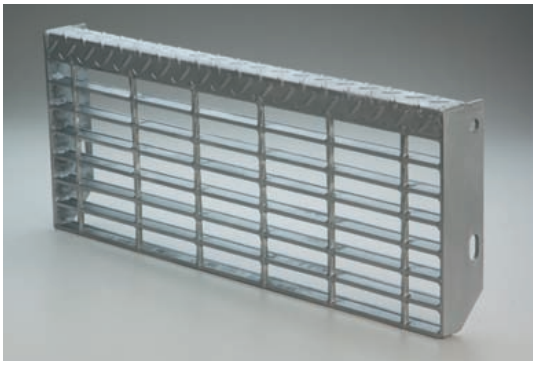


INDAX

12. Stair Tread Types (continued)

KGT4

- **Bolted fixing**
- **Holed end plates**
- **Floor plate nosing**



KGT5

- **Welded fixing**
- **Banded ends**
- **Abrasive nosing**

KGT6

- **Bolted fixing**
- **Holed end plates**
- **Abrasive nosing**

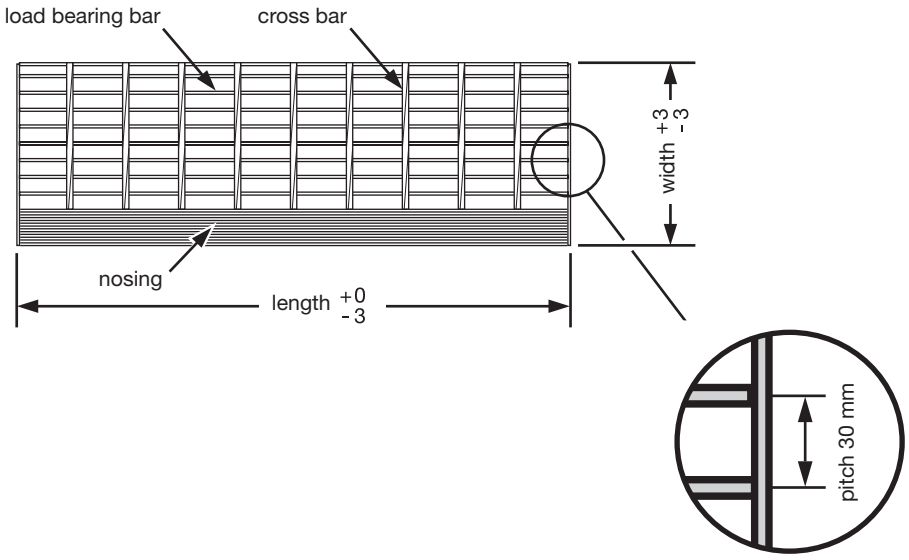
INDAX

13. Tread Dimensions

Width (mm)	215	245	275	305
Bolt Pitch A (mm)	100	125	125	125

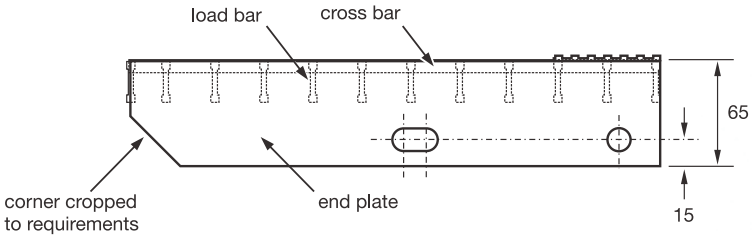
Load Bearing Bars A broad range with the most common being KGA255 and KGA325

Pitch of Load Bearing Bars 30 mm

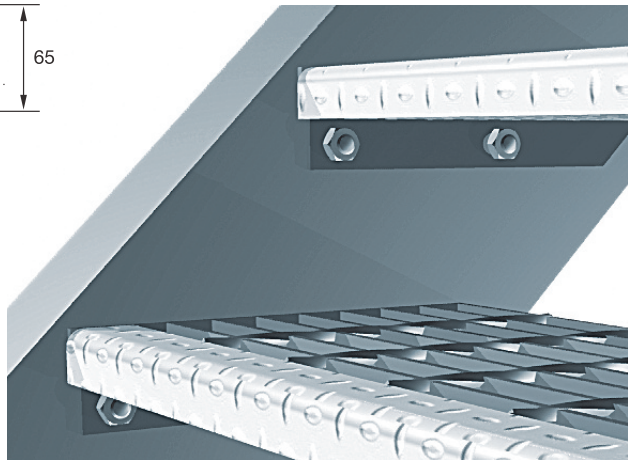


INDAX

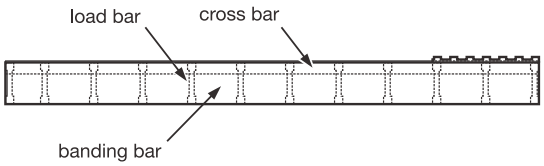
14. Installation



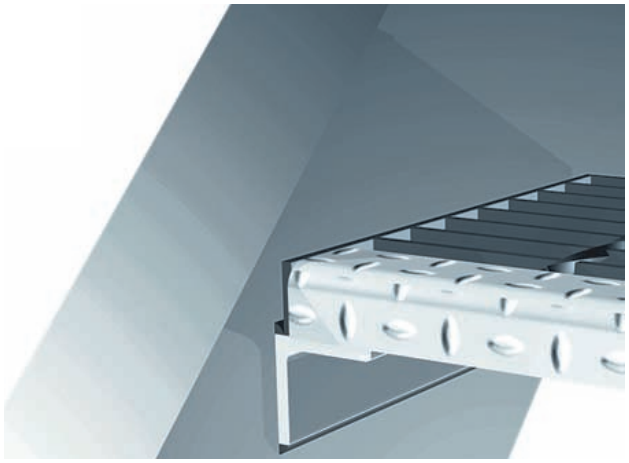
Bolting Type



Bolted installation



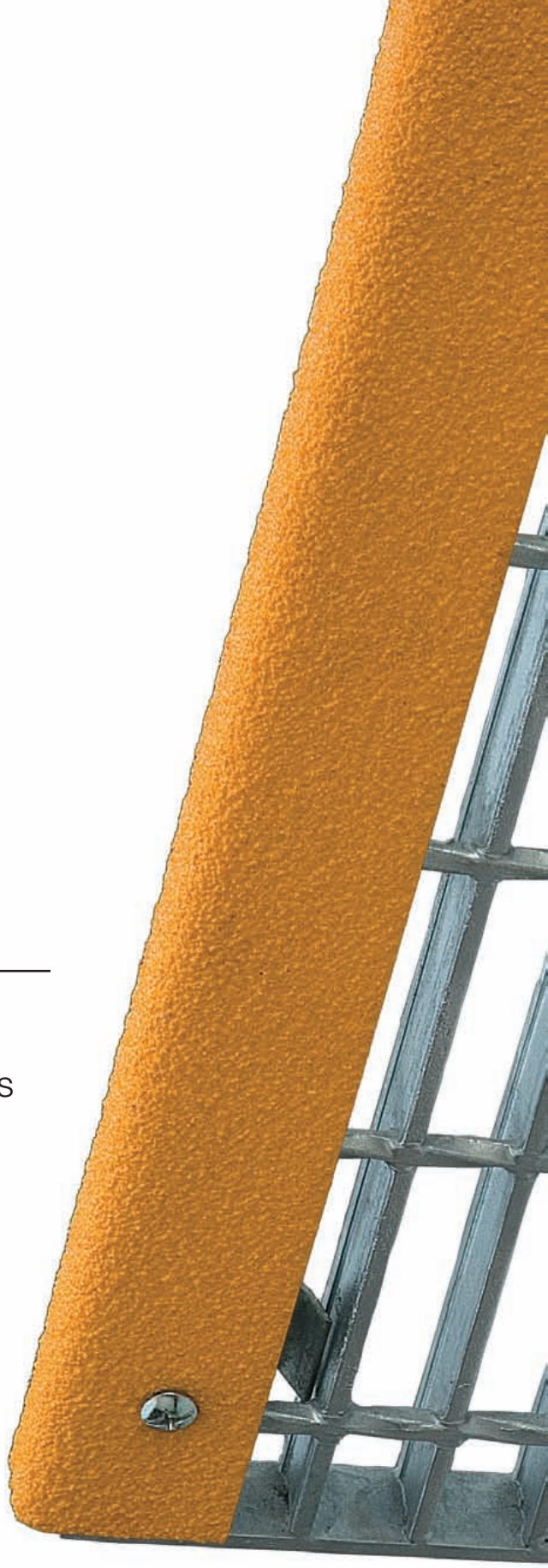
Welding Type



Welded installation

INDAX

Industrial Access Systems



INDAX GRATING

Grid Grating and Components

INDAX

South Australia - Head Office
574 Prospect Road, Kilburn, SA 5084
PO Box 306, Enfield Plaza, SA 5085
Phone: 08 8360 4545
Fax: 08 8360 4595
Email: indax@korvest.com.au
Website: korvest.com.au

Queensland
5/125 Kerry Rd
Archerfield
Queensland, 4108
Phone: 07 3320 7800
Fax: 07 3216 6861
Email: qld.sales@indax.com.au

Western Australia
12 Vale Street
Malaga
Western Australia, 6090
Phone: 08 9249 7966
Fax: 08 9249 7855
Email: indax@korvest.com.au

A division of Korvest Ltd

Sept 10