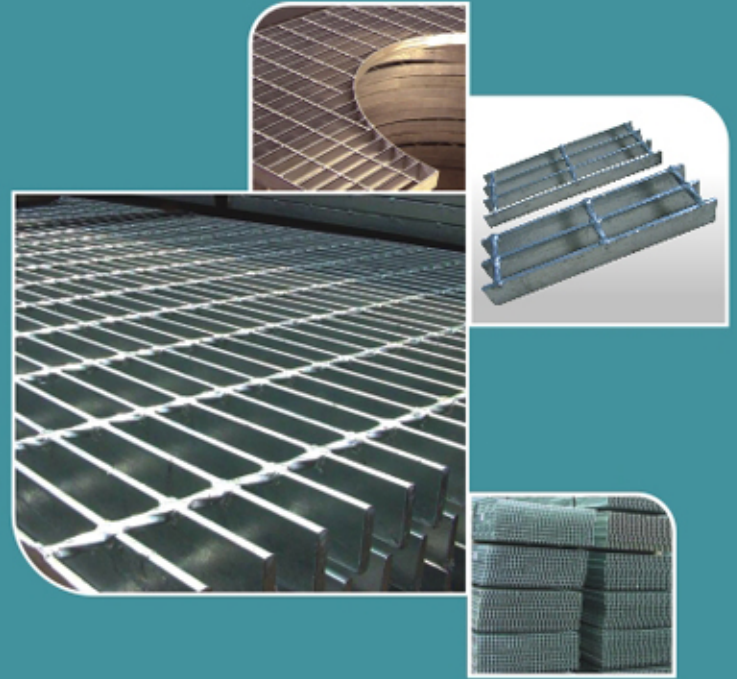


Quality Products @ Realistic Prices



NBS

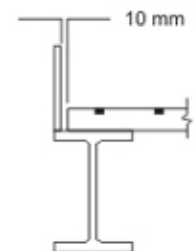
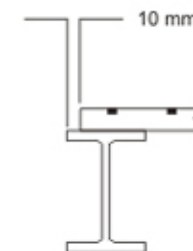
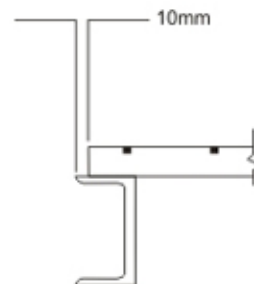
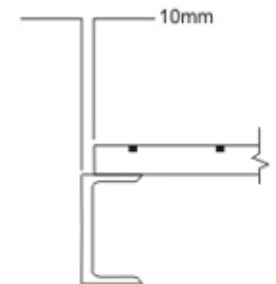
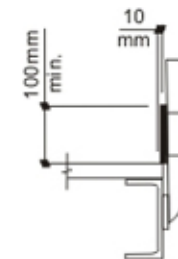
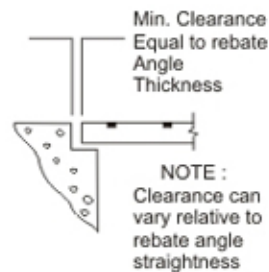
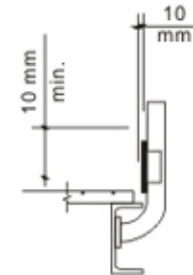
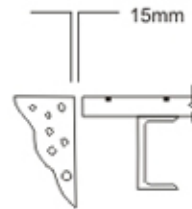
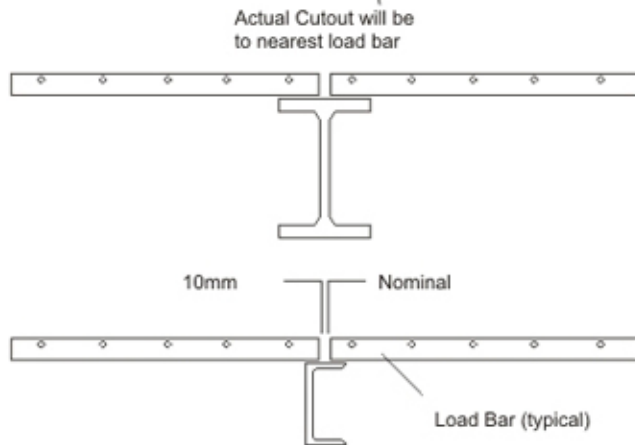
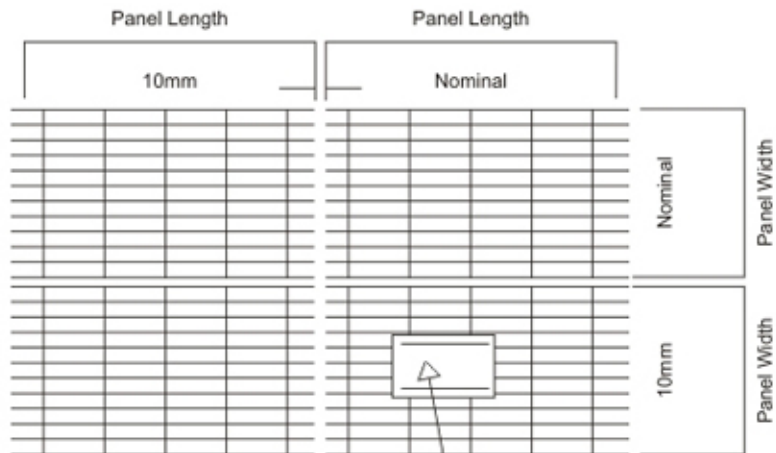
NEW BRIDGE SERVICES

www.newbridgeservices.com.au

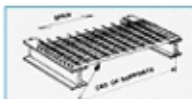
NBS G Forged Welded Steel Grating

- 1 Bearing Bar (Load Bar) Specifications (mm): we manufacture plain and serrated type bearing bar in 20 x 3 to 100 x 10; 25 x 5 x 3, 32 x 5 x 3, 38 x 5 x 3, 40 x 5 x 3, 50 x 5 x 3, 50 x 7 x 4, 55 x 7 x 4, 60 x 7 x 4, 65 x 7 x 4, 70 x 7 x 4, 75 x 7 x 4, etc.
- 2 Bearing Bar Pitch (center to center) : 12.5, 15, 25, 30, 30.16, 32.5, 34, 40, 41.25, 45, 50, 60, 60.32, 80, 100 mm etc, 30, 40, 60mm is recommended
- 3 Cross Bar Pitch (center to center) : 38, 50, 76, 100, 101.6mm, 50, 100mm are recommended
- 4 Material : Mild Steel (Low Carbon Steel) or Stainless Steel
- 5 Surface Treatment : Untreated, Painting or Hot dip Galvanizing
- 6 Steel grating standards :
 - A) USA : ANSI/NAAMM (MBG531-88)
 - C) UK : BS4592-1987
 - D) Australia : AS1657-1985



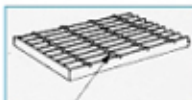


GLOSSARY OF TERMS



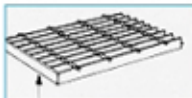
LOAD BAR (Bearing Bar)

Uniform load carrying bar spanning across supporting members



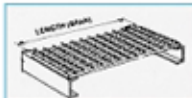
CROSS BAR (Twist Bar)

Uniform rod, in square twisted steel, forged into and at right angles to the load bar



EDGE BAR (Banding Bar)

Trimming bar, generally of same size as and, welded to ends of load bars across panel ends and around notches and penetrations (if any).



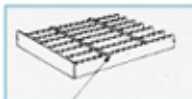
LENGTH OF PANEL (Span)

Overall dimension of a panel measured parallel with load bars. (Indicated by $\angle$ symbol).



WIDTH OF PANEL

Overall dimension of a panel measured at right angles to the load bars. (Always called 'Width' even if greater than the length).



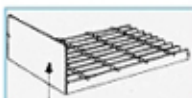
SERRATIONS

Small notches made in the top edge of the load bar to assist in skid resistance



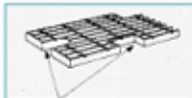
NOSING BAR

A member attached to or on the leading edge of a stair tread to assist in skid resistance.



KICK PLATE

Heavy section flat bar welded to ends or sides of panels and around cut-outs, etc., when specified. Top edge to be 100mm above grating generally.



CUT OUTS

Grating areas removed from panel to permit passage or installation of pipes, plant, and structural and handrail items.



NET AREA

The area of a panel (W x L) excluding cutouts.



GROSS AREA

The total area of grating as shown on drawings using overall dimensions of grating including cutouts.

QUALITY STANDARD

STEEL GRATING STANDARDS

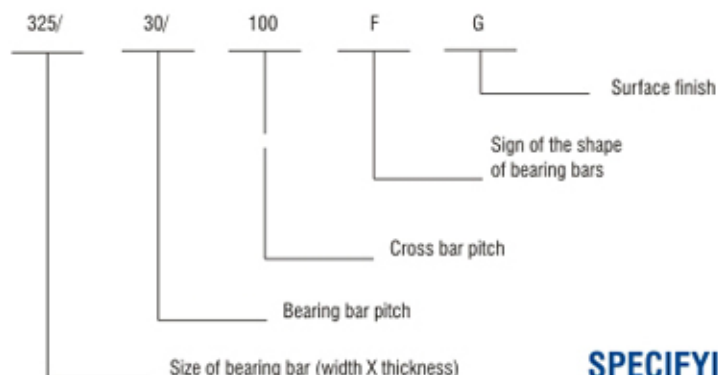
- (CHINA) : YB/T4001-1998
- (U.S.A.) : ANSI/NAAMM(MBG531-88)
- (U.K.) : BS4592-1987

STEEL PRODUCTS STANDARDS

- (CHINA) : GB700-88
- (U.S.A.) : ASTM(A36)
- (U.K.) : BS4360(43A)

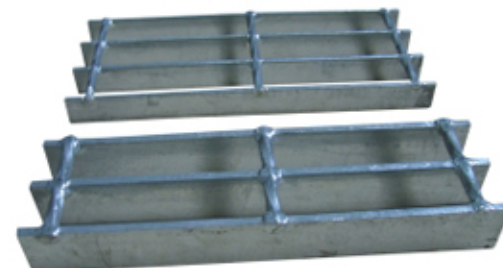
HOT GALVANIZING STANDARD

- (CHINA) : GB/T13912
- (U.S.A.) : ASTM(A123)
- (U.K.) : BS729



SPECIFYING TERMS

- 1 Bearing Bar Specification : 20 x 3 to 100 x 6
- 2 Bearing Bar Pitch : 12.5, 15, 30, 40, 60 mm etc, requirement and 30, 40, 60 mm are recommended
- 3 Cross Bar Pitch : 38, 50, 76, 100mm etc, requirement and 50, 100 mm are recommended
- 4 Material : Mild Steel or Stainless Steel
- 5 Surface Treatment Untreated, Painting or Hot Dip Galvanizing
- 6 Bearing bar style : Plain, serrated and I



TECHNICAL SPECIFICATION

LIGHT & MEDIUM DUTY

(mm) Maximum recommended spans(mm)

LOAD BAR SIZE (mm)	MAINTENANCE FLOORS NO PUBLIC USE UDL = 2.5 kPa			PEDESTRIAN TRAFFIC PUBLIC RESIDENTIAL AND LIGHT USE UDL = 3kPa			PEDESTRIAN TRAFFIC PUBLIC. COMMERCIAL AND CROWD USE UDL = 4 kPa		
	Deflection = 5 mm			Deflection = 5 mm			Deflection = 5 mm		
	Bearing bar pitch (mm)			Bearing bar pitch (mm)			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 GRATING

(mm) Maximum recommended spans(mm)

LOAD BAR SIZE (mm)	GENERAL FACTORIES AND WORKSHOPS, MOTOR ROOMS, WHEEL TROLLEYS UDL = 7.5 kPa						GENERAL HEAVY LOADING AREAS. BOILER EQUIPMENT. HEAVY EQUIPMENT AREAS UDL = 7.5kPa					
	Deflection = 5 mm			Deflection = 10 mm			Deflection = 5 mm			Deflection = 10 mm		
	Bearing bar pitch (mm)			Bearing bar pitch (mm)			Bearing bar pitch (mm)			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 5	3220	3000	2710	3830	3560	3220	2910	2710	2440	3460	3220	2910

Relation Between Nominal Width Of Panel And Number Of Bearing Bar For Most Popular Steel Gratings

Number of bearing bars	(a) (30 mm) Bearing bar centers	abcd (mm) Nominal width (a) (40 mm) Bearing bar centers	(a) (60 mm) Bearing bar centers
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	1025
19	545	725	1085
20	575	765	1145
21	605	805	-
22	635	845	-
23	665	885	-
24	695	925	-
25	725	965	-
26	755	1005	-
27	785	1045	-
28	815	1085	-
29	845	1125	-
30	875	1165	-
31	905	-	-
32	935	-	-
33	965	-	-
34	995	-	-
35	1025	-	-
36	1055	-	-
37	1085	-	-
38	1115	-	-
39	1145	-	-
40	1175	-	-

Note : The width in the table are calculated to the bearing bar thickness of 5 mm. When the bearing bar thickness of 3 mm being Used.
The widths in the table should be reduced by 2mm. The actual width would slightly vary owing to the tolerance of raw materials and processing.

Data Notes For Table Of Relation Among Safeload, Span And Deflection

U = safe uniformly distributed load in KN/m²:

C = safe concentrated load in KN/m width at mid span

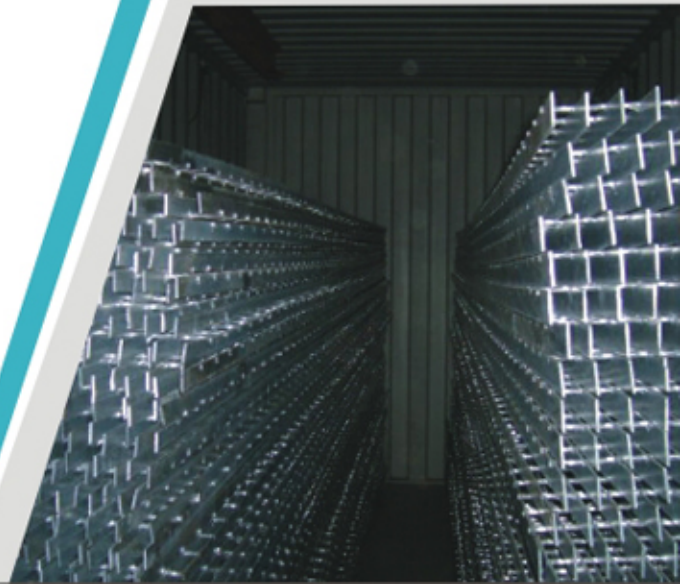
D = deflection in mm

Grating for spans to the left of the thick line in table have a deflection of less than 10 mm or

1/200 th of span for uniform load of 5.0 KN/m²

This is the maximum deflection to meet steel structure design standard.

Grating self - weight before welding end plate , toe plate and surface treatment.

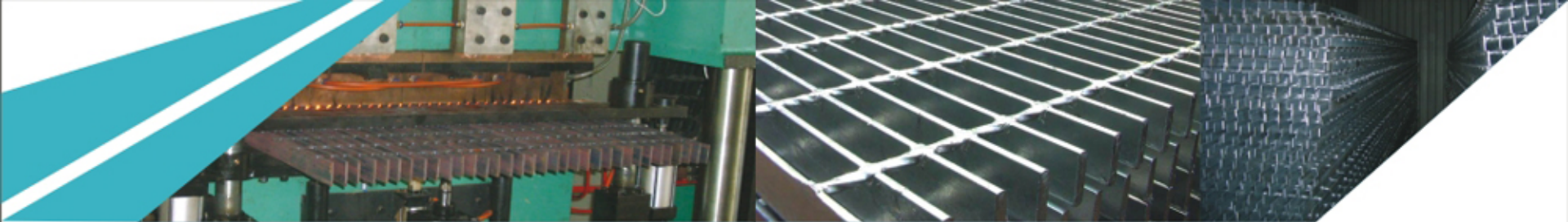


Plain Style, Bearing Bars At 30 mm Pitch

Type	mm Bearing bar section	mm Cross bar pitch	Kg/m ² Nom weight	Serration Factor		Load and Deflection	(mm) Clear span																			
				Load	Deflection																					
							300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
G605/30/100	60x5	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	25.37	19.25	14.87	11.67	9.28	7.48	6.09	
G605/30/50		50	85.7			C	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	10.00	10.00
G555/30/100	55x5	100	76.2	0.93	1.03	U	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	
G555/30/50		50	79.0			C	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	10.00	10.00
G505/30/100	50x5	100	69.6	0.93	1.03	U	1791.52	623.48	314.28	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	4.69	
G505/30/50		50	72.4			C	0.38	0.67	1.07	1.67	2.41	3.28	4.29	5.42	6.70	8.10	9.60	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G455/30/100	45x5	100	62.9	0.93	1.03	U	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	8.79	
G455/30/50		50	65.7			C	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	10.00	10.00
G405/30/100	40x5	100	56.2	0.93	1.03	U	1416.74	495.28	259.72	166.22	115.43	84.80	64.93	51.30	41.55	31.78	24.48	19.25	14.80	11.14	8.60	6.75	5.37	4.32	3.52	
G405/30/50		50	59.0			C	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	10.00	10.00	10.00
G355/30/100	35x5	100	49.5	0.93	1.03	U	179.34	117.97	77.91	62.33	51.94	44.52	38.96	34.62	31.16	28.33	25.97	23.47	19.27	15.67	12.91	10.76	9.06	7.71	6.61	
G355/30/50		50	52.3			C	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	10.00	10.00	10.00
G305/30/100	30x5	100	42.9	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	4.92	3.91			
G305/30/50		50	45.7			C	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	10.00	10.00	10.00	10.00	10.00
G255/30/100	25x5	100	36.2	0.93	1.03	U	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	7.84	6.61			
G255/30/50		50	39			C	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	10.00	10.00	10.00	10.00	10.00
G205/30/100	20x5	100	29.5	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	4.40	3.45				
G205/30/50		50	32.3			C	0.45	0.90	1.47	2.30	3.31	4.50	5.89	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G155/30/100	15x5	100	22.8	0.93	1.03	U	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	6.61	5.51				
G155/30/50		50	25.7			C	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	10.00	10.00	10.00	10.00	10.00	10.00
G105/30/100	10x5	100	18.8	0.93	1.04	U	543.95	203.93	99.73	63.02	44.32	32.56	24.93	17.62	12.99	9.76	7.62	5.91	4.51	3.42						
G105/30/50		50	21.7			C	0.50	0.95	1.47	2.30	3.31	4.51	5.89	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G055/30/100	5x5	100	11.9	0.92	1.04	U	71.40	47.09	29.92	23.93	19.94	17.09	14.96	13.29	11.96	10.07	8.46	7.21	5.92	4.81						
G055/30/50		50	14.8			C	0.35	0.78	1.18	1.84	2.65	3.61	4.71	5.87	7.37	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G035/30/100	3x5	100	9.9	0.92	1.04	U	631.54	251.60	127.26	81.44	55.56	41.55	28.34	19.90	14.51	10.00	8.39	6.60	5.03	3.82						
G035/30/50		50	12.8			C	0.52	1.05	1.68	2.63	3.79	5.16	6.00	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G025/30/100	2x5	100	8.9	0.92	1.04	U	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	5.37						
G025/30/50		50	11.8			C	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	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G015/30/100	1x5	100	7.9	0.92	1.04	U	378.91	150.95	76.35	48.86	33.93	24.93	17.00	11.94	8.79	6.54	5.03	3.96	3.02							
G015/30/50		50	10.8			C	0.52	1.05	1.68	2.63	3.79	5.16	6.00	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G005/30/100	0x5	100	6.9	0.90	1.05	U	54.66	34.36	22.90	18.32	15.27	13.09	11.45	10.07	8.16	6.74	5.66	4.83	3.96							
G005/30/50		50	9.8			C	0.40	0.85	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	5.9	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	4.62								
G000/30/50		50	8.8			C	0.55	1.30	1.96	3.07	4.42	6.25	8.00	9.75	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	4.8	0.88	1.06	U	79.33	48.92	34.03	27.15	22.59	19.25	16.00	12.53	10.03	8.18	6.75	5.64								
G000/30/50		50	7.7			C	0.45	0.95	1.57	2.46	3.54	4.81	6.05	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	3.8	0.90	1.05	U	306.27	142.85	68.00	43.52	30.13	19.22	12.78	8.89	6.41	4.75	3.59									
G000/30/50		50	6.8			C	0.55	1.30	1.96	3.07	4.42	6.25	8.00	9.75	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	2.8	0.88	1.06	U	56.99	29.35	20.41	16.32	13.55	11.54	9.59	7.51	6.01	4.90	4.04									
G000/30/50		50	5.8			C	0.45	0.95	1.57	2.46	3.54	4.81	6.05	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	1.8	0.88	1.06	U	287.56	130.89	64.93	41.55	24.48	15.41	10.32	7.25	5.28	3.97										
G000/30/50		50	4.8			C	0.65	1.50	2.36	3.68	4.50	6.25	8.00	9.75	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	0.8	0.88	1.06	U	43.14	28.45	19.47	15.58	12.98	10.11	7.74	6.12	4.95	4.09										
G000/30/50		50	3.8			C	0.52	1.18	1.89	2.95	4.24	5.25	6.00	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	0.3	0.88	1.06	U	172.52	78.52	38.95	24.93	14.69	9.25	6.19	4.35	3.17											
G000/30/50		50	2.8			C	0.65	1.50	2.36	3.68	4.50	6.25	8.00	9.75	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	0.2	0.88	1.06	U	25.88	17.07	11.68	9.35	7.79	6.07	4.64	3.67	2.9											
G000/30/50		50	2.3			C	0.52	1.16	1.89	2.95	4.24	5.25	6.00	7.35	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G000/30/100	0x0	100	0.1	0.88	1.06	U	181.13	80.79	41.55	21.66	12.53	7.89	5.28	3.71												
G000/30/50																										

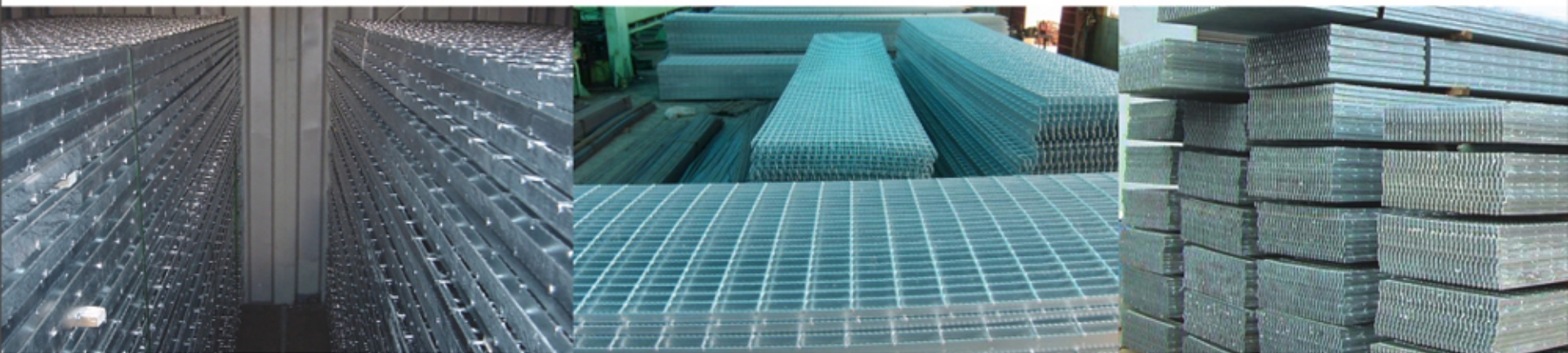
Plain Style,Bearing Bars At 40 mm Pitch

Type	mm Bearing bar section	mm Cross bar pitch	Kg/m ² Nom weight	Serration Factor		Load and Deflection	(mm) Clear span																			
				Load	Deflection																					
							300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
G605/40/100	60x5	100	64.1	0.93	1.03	U	1630.10	551.57	275.05	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	6.62	5.50	4.48	
G605/40/50		50	67.0			D	0.35	0.60	0.96	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	10.00	10.00
G555/40/100	55x5	100	59.0	0.93	1.03	U	174.67	116.35	82.50	66.00	55.00	47.14	41.25	36.66	33.00	30.00	27.50	25.36	23.57	19.91	16.40	13.67	11.52	9.79	8.49	
G555/40/50		50	61.8			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	10.00	10.00
G505/40/100	50x5	100	53.9	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	4.23	3.45	
G505/40/50		50	56.7			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	10.00	10.00	10.00
G455/40/100	45x5	100	47.0	0.93	1.03	U	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	7.54	6.47	
G455/40/50		50	49.8			D	0.25	0.52	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	10.00	10.00
G405/40/100	40x5	100	42.1	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	4.96	3.95			
G405/40/50		50	44.9			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	10.00	10.00	10.00
G403/40/100	40x3	100	26.4	0.93	1.04	U	136.46	89.76	57.22	45.83	38.19	32.73	28.44	25.49	22.91	20.82	19.09	19.25	14.17	11.52	9.49	7.91	6.66			
G403/40/50		50	29.2			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	10.00	10.00	10.00	10.00	10.00
G355/40/100	35x5	100	38.5	0.92	1.04	U	825.09	210.15	154.68	99.00	68.75	50.51	38.67	30.55	22.68	17.03	13.12	10.32	7.87	5.97	4.61	3.62				
G355/40/50		50	41.3			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	10.00	10.00	10.00	10.00	10.00
G353/40/100	35x3	100	24.2	0.92	1.04	U	106.84	70.85	46.40	37.12	30.93	26.51	23.20	20.62	18.56	16.87	14.76	12.58	10.33	8.39	6.92	5.77				
G353/40/50		50	27.0			D	0.29	0.65	1.05	1.64	2.36	3.21	4.19	5.30	6.55	7.80	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G325/40/100	32x5	100	34.2	0.90	1.05	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	4.19	3.24					
G325/40/50		50	37.1			D	0.45	0.90	1.47	2.30	3.31	4.51	5.89	7.37	7.50	8.25	9.00	9.75	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G323/40/100	32x3	100	21.7	0.90	1.05	U	90.55	59.73	36.66	29.33	24.44	20.95	18.33	16.29	14.66	12.34	10.37	8.83	7.25	5.89	4.86					
G323/40/50		50	24.5			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	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G255/40/100	25x5	100	27.4	0.88	1.06	U	54.33	35.83	22.02	17.60	14.66	12.57	11.00	9.77	8.80	7.40	6.22	4.85	4.35							
G255/40/50		50	30.2			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	10.00	10.00	10.00	10.00	10.00	10.00	10.00
G253/40/100	25x3	100	17.5	0.88	1.06	U	480.53	191.43	93.57	59.88	41.58	30.55	20.84	14.63	10.67	8.01	6.17	5.30	3.70							
G253/40/50		50	20.4			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							
G205/40/100	20x5	100	22.5			U	69.32	43.58	28.07	22.45	18.71	16.04	14.03	12.35	10.00	8.25	6.94	4.85	4.86							
G205/40/50		50	25.3			D	0.40	0.85	1.35	2.10	3.03	4.13	5.39	6.75	7.50	8.25	9.00	9.75	10.00							
G203/40/100	20x3	100	14.6	Not recom- mended		U	288.31	114.85	56.14	35.93	24.95	18.33	12.50	8.78	6.40	4.81	3.70	5.91								
G203/40/50		50	17.4			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								



Spain Style, Bearing Bars At 60 mm Pitch

Type	mm Bearing bar section	mm Cross bar pitch	Kg/m ² Nom weight	Serration Factor		Load and Deflection	(mm) Clear span																
				Load	Deflection		150	300	450	600	750	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	
G655/60/50	65x5	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	12.95	10.13	8.12	6.62	5.49	
						D	0.06	0.24	0.55	0.99	1.54	2.22	3.03	3.96	5.18	6.91	12.12	15.84	20.04	24.75	29.94	35.64	
						C	257.74	128.82	85.82	54.30	31.37	18.75	10.93	6.57	3.93	2.35	1.51	0.94	0.58	0.35	0.21	0.13	0.08
						U	2460.46	614.80	273.02	153.39	98.02	67.94	49.81	38.04	24.20	16.68	12.14	9.20	7.18	5.74	4.67	3.86	
G555/60/50	55x5	50	42.4	0.90	1.05	U	0.07	0.29	0.65	1.17	1.82	2.63	3.58	4.68	7.31	10.53	14.33	18.72	23.69	29.25	35.39	42.12	
						C	184.53	92.22	41.43	24.01	14.62	9.57	6.72	5.04	3.15	2.15	1.54	1.10	0.87	0.70	0.57	0.47	
						D	0.09	0.23	0.52	0.93	1.46	2.10	2.87	3.76	5.93	8.67	12.07	16.25	21.37	27.67	35.43	44.98	
						U	2033.40	508.06	255.60	126.73	80.97	56.11	41.13	31.40	19.96	13.74	10.00	7.56	5.90	4.70	3.82		
G505/60/50	50x5	50	39.0	0.89	1.06	U	0.08	0.32	0.72	1.28	2.01	2.89	3.94	5.14	8.04	11.58	15.76	20.59	26.05	32.17	38.93		
						C	152.50	76.21	38.82	23.36	13.58	8.75	6.14	4.44	2.78	1.92	1.38	1.04	0.82	0.66	0.53	0.43	
						D	0.06	0.25	0.57	1.02	1.60	2.31	3.16	4.14	5.53	7.57	10.35	13.92	18.30	23.60	29.93	36.93	
						U	1647.01	411.49	182.69	102.61	65.54	45.41	33.27	25.39	16.12	11.09	8.06	6.09	4.73	3.77	3.05		
G455/60/50	45x5	50	35.7	0.88	1.07	U	0.08	0.35	0.80	1.43	2.23	3.21	4.37	5.72	8.93	12.87	17.51	22.88	28.95	35.57	43.25		
						C	123.52	61.72	31.10	18.78	11.24	6.78	4.27	2.81	1.81	1.20	0.85	0.63	0.50	0.40	0.32	0.25	
						D	0.07	0.28	0.64	1.14	1.78	2.57	3.51	4.60	7.28	10.68	14.94	20.26	26.69	34.18	42.86		
						U	1301.30	325.09	144.31	81.03	51.75	35.84	26.25	20.02	12.70	8.72	6.32	4.77	3.70	2.94			
G405/60/50	40x5	50	32.3	0.87	1.07	U	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.06	14.47	19.70	25.74	32.57	40.21			
						C	97.59	48.76	24.37	14.31	8.40	5.13	3.28	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17	
						D	0.08	0.32	0.72	1.28	2.01	2.89	3.95	5.18	8.21	12.08	16.96	23.11	30.86	40.65			
						U	788.76	195.3	86.56	48.60	31.02	21.48	15.72	11.99	7.60	5.21	3.77	2.84	2.20	1.74			
G403/60/50	40x3	50	21.7	0.87	1.07	U	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.06	14.47	19.70	25.74	32.57	40.21			
						C	58.55	29.25	14.47	8.40	5.13	3.28	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17		
						D	0.08	0.32	0.72	1.28	2.01	2.89	3.95	5.18	8.21	12.08	16.96	23.11	30.86	40.65			
						U	832.77	207.99	92.29	51.80	33.06	22.87	16.74	12.75	8.06	5.52	3.98	2.99	2.31				
G325/60/50	32x5	50	27.0	0.83	1.09	U	0.12	0.50	1.13	2.01	3.14	4.52	6.15	8.04	12.56	18.09	24.63	32.17	40.72				
						C	62.45	31.20	15.60	8.40	5.13	3.28	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17		
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.06	14.47	19.70	25.74	32.57	40.21			
						U	499.64	124.77	55.35	30.05	18.81	13.70	10.02	7.63	4.81	3.29	2.37	1.77	1.36				
G323/60/50	32x3	50	18.5	0.83	1.09	U	0.12	0.50	1.13	2.01	3.14	4.52	6.15	8.04	12.56	18.09	24.63	32.17	40.72				
						C	37.47	18.71	9.36	5.21	3.14	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17			
						D	0.10	0.40	0.90	1.60	2.51	3.62	4.92	6.43	10.06	14.47	19.70	25.74	32.57	40.21			
						U	508.22	126.89	56.27	31.56	20.12	13.90	10.16	7.72	4.86	3.31	2.37	1.77					
G255/60/50	25x5	50	22.3	0.79	1.12	U	0.16	0.54	1.44	2.57	4.02	5.79	7.88	10.29	16.08	23.16	31.55	41.18					
						C	38.11	19.03	9.52	5.21	3.14	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17			
						D	0.12	0.51	1.56	2.95	4.71	7.44	10.44	14.14	19.95	28.65	40.11						
						U	304.91	76.51	33.74	18.91	12.05	8.32	6.07	4.51	2.89	1.96	1.40	1.04					
G253/60/50	25x3	50	15.7	0.79	1.12	U	0.16	0.64	1.44	2.57	4.02	5.79	7.88	10.29	16.08	23.16	31.53	41.18					
						C	22.86	11.41	5.70	3.14	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17				
						D	0.12	0.51	1.15	2.05	3.21	4.64	6.35	8.36	13.43	20.19	29.22	41.35					
						U	325.22	81.16	35.97	20.15	12.83	8.85	6.45	4.90	3.07	2.07	1.47						
G205/60/50	20x5	50	19.0	Not recommended		U	0.20	0.80	1.81	3.21	5.02	7.23	9.85	12.87	20.10	28.95	39.41						
						C	24.39	12.17	6.09	3.21	2.01	1.28	0.85	0.58	0.42	0.33	0.26	0.21	0.17				
						D	0.16	0.64	1.44	2.56	4.01	5.80	7.95	10.48	16.87	25.51	37.17						
						U	0.20	0.80	1.81	3.21	5.02	7.23	9.85	12.87	20.10	28.95	39.41						



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