

GRATINGS



**JIMU
GRATING**

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Gratings are generally applied in various areas, such as platform, landing stage, bridge, drainage, fence and other facilities. The type of our gratings are:

1. According to type of production: **Welding Grating, Press-Locked Grating and Handmade Grating.**
2. According to material: *Carbon Steel, Stainless Steel and Aluminum.*



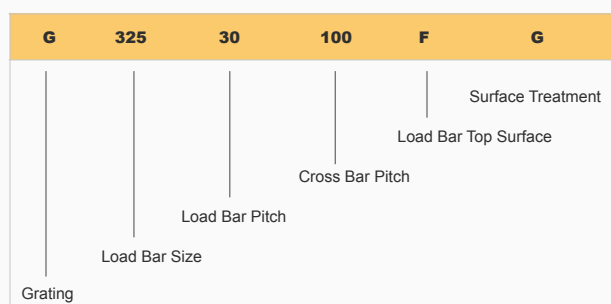
Welding Grating

—— Using high voltage welding equipment, weld the intersection of load bar and cross bar to form the welding grating.

1. Center pitch of load bar, there are two common series: 30mm Series and 40mm Series.
2. Center pitch of cross bar, there are two common series: 50mm Series and 100mm Series.
3. Other series also can be done as per customer's request.

TYPE SELECTION QUICK LOOKUP TABLE

Load Bar Size (mm)	Maintenance Platform No Public Use		Pedestrian Traffic Public Residential and Light Use		Pedestrian Traffic Public Commercial and Crowded Use		General Factories and Workshops Motor Rooms, Wheel Trolleys		General Heavy Loading Area, Boiler Equipment and Heavy Equipment Areas	
	UDL=2.5KPa		UDL=3KPa		UDL=4KPa		UDL=5KPa		UDL=7.5KPa	
	Deflection=4mm		Deflection=4mm		Deflection=4mm		Deflection=4mm		Deflection=4mm	
	Maximum Recommended span (mm)		Maximum Recommended span (mm)		Maximum Recommended span (mm)		Maximum Recommended span (mm)		Maximum Recommended span (mm)	
	30 Series	40 Series	30 Series	40 Series	30 Series	40 Series	30 Series	40 Series	30 Series	40 Series
20x3	1110	1130	1060	990	990	930	940	880	850	800
25x3	1310	1210	1250	1170	1170	1090	1110	1030	1010	940
32x3	1560	1470	1500	1410	1410	1320	1330	1250	1210	1130
40x3	1840	1720	1770	1650	1660	1550	1570	1470	1430	1330
20x5	1250	1170	1200	1120	1120	1050	1070	990	970	900
25x5	1470	1360	1410	1310	1320	1230	1260	1170	1140	1060
32x5	1750	1650	1680	1590	1580	1490	1500	1410	1370	1280
40x5	2050	1930	1970	1850	1860	1740	1770	1660	1610	1510
45x5	2220	2100	2150	2020	2020	1900	1930	1810	1760	1650
50x5	2390	2260	2310	2180	2180	2050	2080	1950	1900	1780
55x5	2560	2410	2470	2330	2340	2190	2230	2090	2040	1910
65x5	2870	2710	2770	2620	2620	2470	2510	2360	2300	2150
75x5	3170	2990	3070	2890	2910	2730	2780	2610	2550	2390
75x6	3270	3090	3170	3000	3010	2840	2880	2710	2660	2490



Load Bar Size: Generally 20 x 3mm — 75 x 8mm

Load Bar Pitch: Generally 19mm, 25mm, 30mm, 35mm, 40mm and their multiples.

Cross Bar Pitch: Generally 50, 100mm; 38, 76mm.

Cross Bar Size: Generally 6 x 6mm cross bar.

Small size grating using 5 x 5mm twisted rod.

Stainless generally using Φ5mm round bar.

Load Bar Top Surface: F — Plain Type (as default)

S — Serrated Type

Surface Treatment: G — Hot-Dip Galvanizing

P — Painting

U — No Surface Treatment (as default)

Press-lock Grating



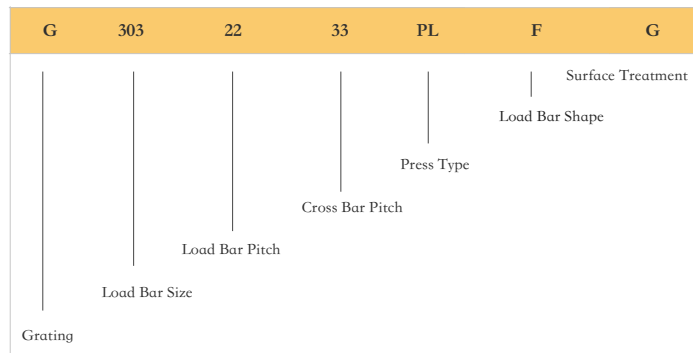
—— This type of grating is made using CNC punching machine and large power hydraulic machine to press the cross bar into the grooved load bar to form the grating structure. Comparing to Welding Grating, the surface of Press-Locked Grating is more clean and smooth, and provide aesthetic look.

1. There are various types of models to choose, as there are many different combinations of cross bar and load bar to be used together.
2. About the type-selection and application of Press-Locked Grating, can follow the quick lookup table of Welding Grating if is the same model or product code. If not, JIMU could provide recommendations to our customers based on the data they provide, except customers have their own type-selections.

Press-lock Grating

TYPE SELECTION TABLE FOR PRESS-LOCK GRATING

Load Bar	Cross Bar	Maintenance Platform No Public Use					Pedestrian Traffic Public Residential and Light Use					Pedestrian Traffic Public Commercial and Crowded Use					General Factories and Workshops Motor Rooms, Wheel Trolleys					General Heavy Loading Area, Boiler Equipment and Heavy Equipment Areas				
		UDL=2.5KPa Deflection=5mm					UDL=3.0KPa Deflection=5mm					UDL=4.0KPa Deflection=5mm					UDL=5.0KPa Deflection=5mm					UDL=7.5KPa Deflection=5mm				
		Loading bar pitch center to center					Loading bar pitch center to center					Loading bar pitch center to center					Loading bar pitch center to center					Loading bar pitch center to center				
(mm)		22.2	33.3	44.4	20.0	25.0	22.2	33.3	44.4	20.0	25.0	22.2	33.3	44.4	20.0	25.0	22.2	33.3	44.4	20.0	25.0	22.2	33.3	44.4	20.0	25.0
20x2	10x2	1270	1150	1080	1290	1230	1210	1110	1030	1240	1180	1140	1030	960	1160	1100	1080	980	910	1100	1000	980	890	830	1000	950
20x5	10x3	1410	1290	1210	1440	1380	1360	1240	1160	1390	1320	1280	1160	1090	1300	1240	1220	1110	1030	1240	1180	1110	1000	940	1130	1000
25x3	10x2	1490	1360	1270	1520	1450	1430	1300	1220	1460	1390	1340	1220	1140	1370	1300	1270	1160	1080	1300	1230	1160	1050	980	1180	1120
25x5	12x3	1660	1520	1430	1690	1610	1600	1460	1370	1630	1550	1500	1370	1280	1530	1460	1430	1300	1220	1460	1390	1300	1180	1110	1330	1260
30x3	10x2	1610	1470	1370	1730	1650	1540	1410	1310	1670	1590	1450	1320	1230	1560	1490	1380	1250	1160	1490	1410	1250	1130	1060	1350	1280
30x5	10x3	1790	1640	1540	1920	1840	1720	1580	1480	1850	1770	1620	1480	1390	1750	1670	1540	1410	1320	1670	1590	1410	1280	1200	1520	1450
32x3	10x2	1670	1550	1450	1810	1730	1620	1490	1390	1750	1660	1530	1390	1300	1640	1560	1460	1320	1230	1560	1480	1320	1200	1120	1420	1350
32x5	12x3	1890	1730	1630	2010	1920	1820	1670	1570	1940	1850	1710	1570	1470	1830	1740	1630	1490	1390	1750	1660	1490	1360	1270	1600	1520
35x3	10x2	1900	1740	1630	1930	1850	1830	1670	1560	1860	1770	1710	1560	1460	1750	1660	1630	1480	1390	1670	1580	1480	1350	1260	1520	1440
35x5	12x3	2100	1940	1820	2140	2050	2030	1860	1750	2060	1970	1910	1750	1640	1950	1860	1830	1670	1560	1860	1770	1670	1520	1420	1700	1620
40x3	10x2	2040	1910	1790	2130	2030	2010	1840	1720	2050	1950	1890	1720	1610	1930	1840	1800	1640	1530	1840	1750	1640	1490	1390	1670	1590
40x5	12x3	2300	2130	2000	2340	2250	2230	2050	1930	2270	2170	2110	1930	1810	2140	2050	2010	1840	1720	2050	1950	1840	1680	1570	1800	1790
45x3	10x2	2220	2080	1950	2310	2210	2190	2000	1880	2230	2130	2060	1880	1760	2100	2000	1960	1780	1670	2000	1900	1790	1620	1510	1830	1730
45x5	12x3	2500	2310	2180	2540	2440	2410	2230	2100	2460	2360	2280	2100	1970	2330	2230	2180	2000	1880	2230	2130	2000	1830	1710	2050	1950
50x3	10x2	2450	2240	2110	2490	2380	2360	2150	2030	2400	2290	2220	2020	1900	2260	2160	2210	1920	1800	2160	2050	1930	1750	1640	1970	1870
50x5	12x3	2690	2480	2350	2730	2620	2600	2390	2260	2640	2540	2460	2260	2130	2510	2400	2360	2150	2030	2400	2290	2160	1970	1850	2210	2100
60x5	12x3	2880	2670	2520	3080	2970	2790	2580	2430	2990	2880	2650	2440	2290	2850	2730	2540	2230	2180	2730	2610	2330	2130	1990	2520	1400
65x5	12x3	3040	2830	2680	3250	3130	2950	2740	2580	3160	3040	2800	2580	2430	3010	2880	2680	2470	2320	2890	2760	2470	2260	2120	2660	2540



Load Bar Size : Generally 20 x 3mm to 65 x 5mm

Load Bar Pitch : 11.1 , 25mm and its multiples

Cross Bar Pitch : 11.1 , 25mm and its multiples

Cross Bar Size : Generally 10 x 2mm, 10 x 3mm, 12 x 3mm

Press Type: PL — Press-Lock , FL — Full-Lock

Load Bar Shape : F — Plain Type (as default) , S — Serrated Type

Surface Treatment : G — Hot-Dip Galvanizing P — Painting

U — No Surface Treatment (as default)



Handmade Grating

—— The Grating which is designed base on customer's need, but cannot be produced by special equipments.

Comparing to standard gratings, since this Handmade Grating is customized, it needs customer provide completed drawings.