

Steel Bar Grating Technical Specification

American Standard & China Standard Comparison

Manufacturer: China Steel Grating manufacturer

American Std	China Std	Bearing Bar (mm)	Bar Spacing (mm)
11-W-4	G17/100	17.1 × 3	101.6
13-W-4	G20/100	20.3 × 3	101.6
15-W-4	G25/100	25 × 3	101.6
15-W-2	G25/50	25 × 3	50.8
19-W-4	G30/100	30 × 3	101.6
19-W-2	G30/50	30 × 3	50.8
22-W-4	G35/100	35 × 3	101.6
22-W-2	G35/50	35 × 3	50.8
25-W-4	G40/100	40 × 4	101.6
30-W-4	G45/100	45 × 4	101.6
38-W-4	G50/100	50 × 5	101.6

Load Capacity Reference (Standard Duty)

Type	Bearing Bar	Span (mm)	Safe Load (kN/m ²)	Application
15-W-4	25×3	800	4.0	Walkways
19-W-4	30×3	1000	4.5	Industrial flooring
22-W-4	32×3	1000	5.0	Platforms
25-W-4	40×4	1200	6.5	Heavy walkways
30-W-4	45×4	1200	8.0	Vehicle areas
38-W-4	50×5	1500	10.0	Heavy industry

Note: Load values are for reference only based on Q235 / ASTM A36 steel under standard conditions.