

# Steel Bar Grating Technical Specification

American Standard & International / China Standard Comparison

American Standard	China Standard	Bar Spacing (C-C)
11-W-4	G17/100	17.1 × 101.6 mm
13-W-4	G20/100	20.3 × 101.6 mm
15-W-4	G25/100	23.8 × 101.6 mm
15-W-2	G25/50	23.8 × 50.8 mm
19-W-4	G30/100	30.16 × 101.6 mm
19-W-2	G30/50	30.16 × 50.8 mm
22-W-4	G35/100	35.1 × 101.6 mm
22-W-2	G35/50	35.1 × 50.8 mm
25-W-4	G40/100	40.0 × 101.6 mm
30-W-4	G45/100	45.0 × 101.6 mm
38-W-4	G50/100	50.0 × 101.6 mm

## Load Capacity Reference (Standard Duty)

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

Note: Load values are for reference only, based on standard carbon steel (Q235 / ASTM A36) with simply supported condition. For heavy-duty or special applications, please contact us for engineering calculation.