

SPECIFICATION INFORMATION

Grating Systems fabricates all aluminum and steel products in accordance with the standards of the National Association of Architectural Metal Manufacturers (NAAMM) and the current edition of the NAAMM Metal Bar Grating Manual, which is an approved standard of the American National Standards Institute and designated as ANSI/

NAAMM MBG 531 (steel, stainless steel, and aluminum grating and stair treads) and ANSI/NAAMM MBG 532 (structural carbon steel and stainless steel).

The following table outlines the material, Federal, Military and finishing specifications routinely used by the grating industry. In the absence of customer furnished specifications, the following will apply:

SPECIFICATIONS				
PRODUCT	MATERIAL	FEDERAL	MILITARY	FINISH
Aluminum Flush Top, Aluminum Rectangular Bar, Aluminum I-Bar, Lite Bar, Aluminum Dove Tail, Aluminum Riveted	1. Alloy 6063-T6 per ASTM B-221 and QQ -A-200/9. 2. Alloy 6061-T6 per ASTM B-221 and QQ -A-200/8 (by inquiry).	ANSI /NAAMM MBG 531	MIL-G-18014 (Ships)	1. Mill Finish 2. Clear Anodized AA-A31 (30 min.) or AA-A41 (60 min.) (by inquiry). 3. Other (by inquiry).
Aluminum Plank, Aluminum Grating Frames	1. Alloy 6063-T6 per ASTM B-221 and QQ -A-200/9.		MIL-G-18015 (Ships)	1. Mill Finish 2. Other (by inquiry).
Heavy Duty Welded Steel, Heavy Duty Riveted Steel	1. Grade 36 (1/4", 5/16", 3/8", 1/2" carbon steel). 2. Other (by inquiry).	AASHTO (American Association of State Highway & Transportation Officials) Standard Specification For Highway Bridges ANSI/NAAMM MBG 532		1. One coat manufacturer's standard black paint. This is not a permanent finish system, but is intended to protect the grating in transit only because it will chip. 2. Galvanizing per ASTM A-123/A-385.
Light Duty Welded Carbon Steel, Light Duty Dove Tail Carbon Steel, Light Duty Swaged Carbon Steel, Light Duty Swaged Stainless Steel, Light Duty Riveted Carbon Steel, Light Duty Welded Stainless Steel	1. ASTM A-1011 (1/8", 3/16", 1/4" carbon steel). 2. Grade 36 (1/4" carbon steel) by inquiry. 3. Type 304 per ASTM A-666 (1/8" and 3/16" stainless steel). 4. Other (by inquiry).	ANSI /NAAMM MBG 531	MIL-G-18014 (Ships)	1. One coat manufacturer's standard black paint. This is not a permanent finish system, but is intended to protect the grating in transit only because it will chip. 2. Galvanizing per ASTM A-123/A-385.
Light Duty Carbon Steel All Aluminum Products	1. Alloy 6063-T6 per ASTM B-221 and QQ -A-200/9.	ANSI /NAAMM MBG 531	NA	1. TGIC Polyester Systems, a permanent durable finish that resists impact, humidity and salt spray which increases material longevity.

*Effective March 10, 1989, the Naval Facilities Engineering Command adopted the NAAMM Metal Bar Grating Manual for Department of Defense use, replacing Federal Spec RR-G-661 as the specification for carbon steel and aluminum metal bar grating flooring, except for naval vessels.

A Word About Finishing Grating

Since the aluminum oxide coating of aluminum bar is relatively inert chemically, and is self-repairing when damaged in the presence of oxygen, aluminum bar

grating possesses a high degree of corrosion resistance in the mill finished condition, and is typically specified without additional coatings or treatment.