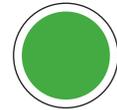


Ameralloy[®]

PLATE AND STRIP



Color Code:
GREEN



Ameralloy Plate And Strip is a medium manganese, heat treated, quenched and tempered alloy. Our balanced alloy content gives Ameralloy Plate And Strip excellent weldability and good resistance to atmospheric corrosion, when compared to original equipment and mild steel.

Features And Advantages

- Work hardening
- Reduction in dead weight
- Can be drilled with standard high speed tooling
- Excellent weldability
- Moderate cold forming
- Maximum resistance to impact and abrasion
- High tensile strength

Typical Mechanical Properties

Tensile strength psi	190,000
Yield point psi	156,000
Elongation in 2"	14%
Reduction of area	52%
Brinell hardness	400
Rockwell C hardness	42

Welding

Use low hydrogen high tensile electrodes: AWS specification E100XX, E110XX, or E120XX electrodes.

- Carbon .10/.20
- Manganese 1.70 max.
- Silicon .10/.70
- Molybdenum .70 max.
- Chromium 1.00 max.
- Boron .001/.005
- Phosphorus .020 max.
- Sulfur .010 max.

Typical Analysis May Vary By Heat Lot

Ameralloy®

PLATE AND STRIP



Applications

- Agricultural discs
- Agricultural shoes
- Agitator paddles
- Anchors
- Baffle plates
- Bucket lips
- Bulldozer blades
- Car axles
- Car plates
- Cute liners
- Coke chutes
- Concrete mixer liners
- Concrete pipe liners
- Bucket lips
- Conveyor buckets
- Crusher hammers
- Dipper sticks
- Drag buckets
- Dredge pipes
- Dredge pump liners
- Dump truck beds
- Dust collectors
- Fan blades/housings
- Flotation plates
- Foundry shakeout machines
- Funnels
- Furnace liners
- Grader blades
- Grain chutes
- Grain mill hammers
- Gravel chutes
- Hoppers
- Launder plates
- Lawnmower cutter bars
- Limestone chutes
- Lift forks
- Liners
- Loaders
- Mixers
- Muller bottoms
- Ore chutes
- Ore spouts
- Ore washers
- Pangborn parts
- Picking tables
- Rock chutes
- Sand chutes
- Scrap baler liners
- Scraper blades
- Shear handles
- Shakeout liners
- Shaker plates
- Shot blast liners
- Shovel booms
- Shovels
- Skip liners
- Slag chutes
- Slate chutes
- Sluice ways
- Spouts
- Stabilizing bars
- Trailer bodies
- Truck box liners
- Vibrators
- Wheelabrator parts
- Wrenches
- Wear plates

Available Sizes

Ameralloy Plates

Thickness: 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1-1/4" 1-1/2" 1-3/4" 2" 2-1/2" 3"

Thicknesses over 3" upon request

Widths: 48" 60" 72" 84" 96" or burned to your specifications

Lengths: 96" 120" 144" 240" 288" or burned to your specifications

Ameralloy Wear Strips

Thickness: 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1-1/4" 1-1/2" 1-3/4" 2"

Thicknesses over 2" burned to your specifications

Widths: Burned to your specifications

Lengths: Maximum of 24'

Fabrication & Machining

Forming, rolling, punching, and perforating to your specifications