



AR400 / AR450 / AR500

Overview

These grades are used in highly abrasive environments within the mining, cement, aggregate, and various ground engaging applications. All our AR400, AR450 and AR500 have additional alloying elements which increase formability and enhance weldability.

Specifications

| Specifications | AR400 / 400F | AR450 / 450F | AR450 / 500F |
|------------------|--|--|--|
| Hardness (BHN) | 400 (360 min.) | 450 (429 min) | 500 (450 min.) |
| Carbon (Max) | 0.20 | 0.26 | 0.35 |
| Manganese (Min) | 1.60 | 1.35 | 1.60 |
| Phosphorus (Max) | 0.030 | 0.025 | 0.030 |
| Sulfur (Max) | 0.030 | 0.005 | 0.030 |
| Silicon | 0.55 | 0.55 | 0.55 |
| Chromium | 0.40 | 0.55 | 0.80 |
| Other | Additional Alloying elements may be added for enhancing abrasion resistant properties. | Additional Alloying elements may be added for enhancing abrasion resistant properties. | Additional Alloying elements may be added for enhancing abrasion resistant properties. |
| Size Range | 3/16" – 3" (Widths 72" – 96" – 120") | 3/16" – 3" (Widths 72" – 96" – 120") | 1/4" – 2 1/2" (Widths 72" and 96") |

* Chemistry may vary depending on thickness and application – Please inquire