

Ultra Hi Strength Alloy Wear Plate

WINCO-TUF 50 Quenched and Tempered. High Alloy Steel Is Intended Specifically for Applications Requiring a High Degree of Abrasion and Wear Resistance.

Used by industries such as mining, forestry, guarrying, and construction. WINCO-TUF 50 is the cost-effective choice for parts subjected to extremely high levels of wear.

Physical Properties

Tensile Strength	210,000 PSI
Yield Strength	180,000 PSI
Elongation in 2"	12%
Hardness	48-53 Rockwell "C"
Brinell Hardness	455-525 BHN

Typical Analysis

Carbon	 	.31
Chromium	 	1.00
Manganese	 	1.50
Nickel	 	.70
Silicon	 	.55
Boron	 	.003
Molybdenum	 	.35
Phosphorus	 	.025
Sulphur	 	.015

Welding Instructions

WINCO-TUF 50 has superior welding characteristics. No specific electrodes are needed — standard low-hydrogen, high-tensile rod is recommended for maximum strength. E100XX, E110XX or E120XX or E130XX is preferred.