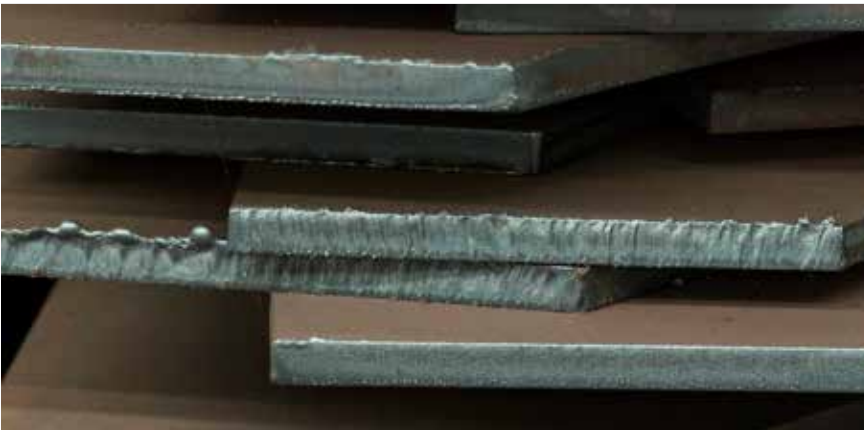


Astralloy 130 ksi



BENEFITS

- * Ideal in any application where reduced weight and high strength are critical factors
- * High-strength water quenched and tempered structural steel

APPLICATIONS

- * Mining Equipment
- * Forestry Equipment
- * Construction Equipment
- * Structural Steel Works
- * Raw Material Handling

Astralloy 130 ksi

Astralloy 130 ksi is a fine-grained, general structural steel that yields a minimum tensile strength of 130 ksi (890 MPa). This high-strength alloy plate achieves its mechanical properties by being water quenched and tempered. This structural alloy provides the opportunity to reduce component weight by offering a high strength to weight ratio along with improved ductility. It is formable and weldable when following good shop practice and has a service temperature which ranges from -50°F (-46°C) to 800°F (427°C).

Astralloy 130 ksi is optimal for use in mining equipment, forestry equipment, construction equipment, structural steel works, raw material handling, quarries, shredders, crushers, forestry equipment, cranes, buckets, blades, bridges, shears, booms, hoists, and transport trailers.

Each manufacturing mill has its own proprietary chemical composition and heat-treating process. Astralloy Steel Products will be happy to provide mill specifications upon request.

Brand	Weldox 900	Astralloy 130 ksi
Thickness	0.1578" – 2.000"	0.1875" – 5.000"
Hardness (BHN)	300 – 350	418 – 495
C	0.20 max	0.25 max
Mn	1.60 max	1.70 max
P	0.020 max	0.025 max
S	0.010 max	0.010 max
Si	0.50 max	0.80 max
Ni	1.50 max	2.00 max
Cr	0.70 max	1.25 max
Mo	0.70 max	0.70 max
Tensile Strength (psi)	136 – 160 ksi	136 – 160 ksi
Yield Strength (psi)	130 ksi	130 ksi
Carbon Equivalent	≤ 3.00" – 0.58	≤ 2.00" – 0.57
	> 3.00" – 0.63	> 2.00" – 0.77

DISCLAIMER: This comparison document has been compiled from publicly available manufacturer data. Astralloy Steel Products makes no representation regarding the accuracy or completeness of this data and assumes no liability. Astralloy Steel Products is not associated with SSAB.

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