

TENSALLOY™ STEEL

Protect your equipment with wear plates made of Tensalloy™ AR Plate - the durable and impact-resistant steel for long-lasting performance.



CUSTOM FABRICATIONS,
DEPENDABLE PRODUCTS

AR400

Long lasting, outstanding wear plate. Ideal for applications where excessive impact wear is a problem.

AR450

For additional hardness and strength beyond AR400.

AR500

Premium wear and impact plate providing highest level of wear resistance. Great for sliding applications.

AVAILABLE SIZES

Thickness	0.125" - 4"
Width	48" - 120"
Length	288" typical
*Contact a representative for available sizes per specification	

SERVICES

- ✓ Cutting - Plasma, Water Jet, Oxyacetylene, Laser
- ✓ Press Brake (in tons)- 100 Mechanical, 600 Hydraulic
- ✓ Welding / Fabrication - MIG & TIG
- ✓ Machining- CNC, mill slots, thread holes, bevel, chamfer



		TENSALLOY™ AR400				TENSALLOY™ AR450	TENSALLOY™ AR500
TYPICAL HARDNESS		360 - 440 BHN				429 - 490 BHN	477 - 550 BHN *Surface hardness min 477 BHN Core Hardness min 450 BHN
AVAILABILITY	THICKNESS	.125" - 8"				.236" - 2.5"	.125" - 4"
	WIDTH	48" - 120"				48" - 120"	48" - 120"
	LENGTH	up to 480"				up to 480"	up to 480"
TYPICAL CHEMICAL COMPOSITION	THICKNESS	.188 - .250	.250 - .750	.750 - 1.00	1.25 - 4.00	.236 - 2.5	.125 - 4
	CARBON	0.20	0.17	0.17	0.25	0.25	0.31
	MANGANESE	1.50	1.50	1.50	1.50	1.35	0.95
	PHOSPHORUS	0.025	0.025	0.025	0.025	0.025	0.025
	SULFUR	0.005	0.005	0.005	0.005	0.005	0.005
	SILICON	0.50	0.50	0.50	0.50	0.55	0.65
	CHROMIUM	0.45	0.20	0.60	0.20	0.55	0.75
	MOLYBDENUM	0.05	0.20	0.20	0.60	0.65	0.75
	BORON	-	0.003	0.003	0.003	0.003	0.003
	NICKEL	-	-	-	-	1.00	1.00

CONTACT A
CLIFTON STEEL
REPRESENTATIVE

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SPECIFICATIONS