

SR 500 Ballistic Protection Steel



Alro stocks 1/4", 3/8", and 1/2" thick in hardness 500-590 HBN

Alro Steel offers SR 500 Ballistic Protection Steel which is well suited and specifically designed for shooting ranges and target manufacturers. We are your competitive advantage for your future designs of protective equipment. We decided to stay on the safe side, we think you should too.

- SR 500 can be certified to ballistic level by caliber.
 - Will your AR (Abrasion Resistant) 500 supplier do that?
- Able to be Laser, Plasma or Waterjet cut per print
- No edge cracking or chipping from thermal process (HAZ)
- Formable to ANSE Standards



SR 500 - Shooting Range and Target Steel

The ballistic recommendations do need to reference SR 500 as that is what product they are specific to.

	Typical Threat	Distance*	Suggested Thickness**
Handguns	9mm, .357 Mag, .44 Mag, .45 APC	15 feet	3/16"
Shotguns	12 gauge solid or buckshot	15 feet	3/16"
Bolt action and semi auto rifles	7.62 x 51 M80 Ball, 5.56 x 45 M855, .308 FMJ	30 feet	1/4"
	5.56 x 45 M193, .223 FMJ, 30-06 FMJ	30 feet	3/8"

* Distance - Typical distance test. **Suggested Thickness - Contact Alro Steel for further information.

These are guidelines only and the end user has to verify that the ordered plate thicknesses are suitable in the actual application.

Protection Plate

	Thickness*	Hardness (HBN)	Impact (J) 40° C, T L
Mil Spec MIL DTL 46100E	3/16" to 1"	477 - 534	39
Armox® Advance	4 mm to 12 mm	617 - 706	Typical 15
Ramor® 600	3 mm to 6 mm	570 - 640	Typical 25
Target SR 500	3/16" to 1/2"	500 - 590	Typical 32

* Thickness range includes unofficial thickness

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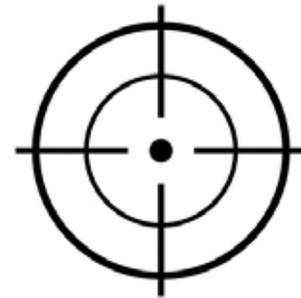
Alro Steel

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Gun Barrel Quality Rounds



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4150R Gun Barrel Quality Alloy Round Bar

4150R Q&T GBQ (MIL-B-11595E) is a unique grade of alloy hot rolled quench and tempered bar stocked at Alro. It has been designed to provide superior performance for use in the firearms manufacturing industry. Features of 4150R Q&T GBQ include superior performance for gun barrel drilling, reaming, and machining. In addition, this material has less distortion to the gun-drilled surface.

Alro stocks the following five diameters:

1" • 1-1/32" • 1-1/16" • 1-1/8" • 1-1/4"

416R Barrel Quality Stainless Round Bar

416R Barrel Quality Stainless Steel is a low sulfur, pre-hardened variant of 416 stainless suitable for manufacturing high quality precision rifle and pistol barrels. With a 12% chromium content 416R provides improved general corrosion resistance over alloy steels commonly used for barrel applications.

Alro stocks the following seven diameters:

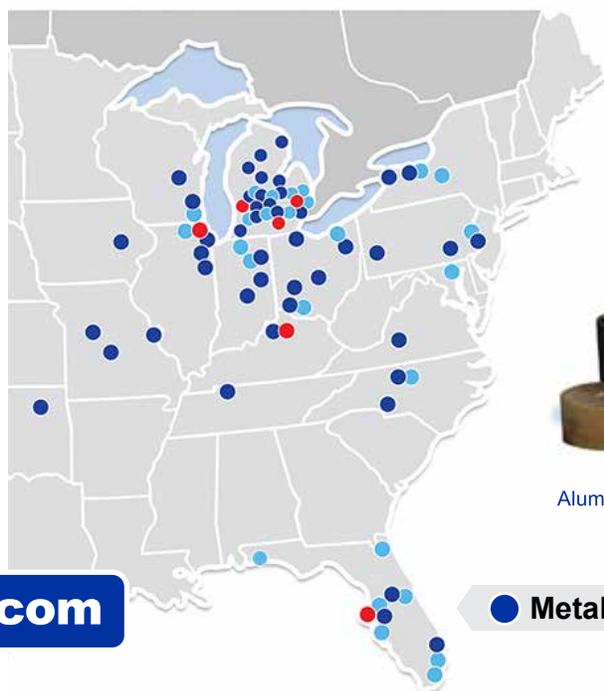
1" • 1-1/32" • 1-1/8" • 1-1/4" • 1-5/16" • 1-3/8" • 1-1/2"

More Alloy & Stainless Steel Bar

Alloy bar: 4140 • 41L40 • 4150 • 4340 • 52100

6150 • 8620 • 86L20 • ETD 150

Stainless Steel bar: 17-4 • 303 • 304 • 316 • 410 • 420 • 440C



Alro Steel Metals & Plastics



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