



ARMOR



STRUCTURES



MUNITIONS



AEROSPACE

KAISER ALUMINUM DEFENSE PRODUCTS

KAISER
ALUMINUM

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Proud to serve those who proudly serve.



ARMOR SYSTEMS

Kaiser Aluminum manufactures plate in gauge ranges from .250" to 10". Aluminum's light weight and high strength make it ideal for armoring vehicles. Kaiser Aluminum provides material for manufacturing armor and mine blast kits for a variety of military platforms including the HMMWV and MRAP.



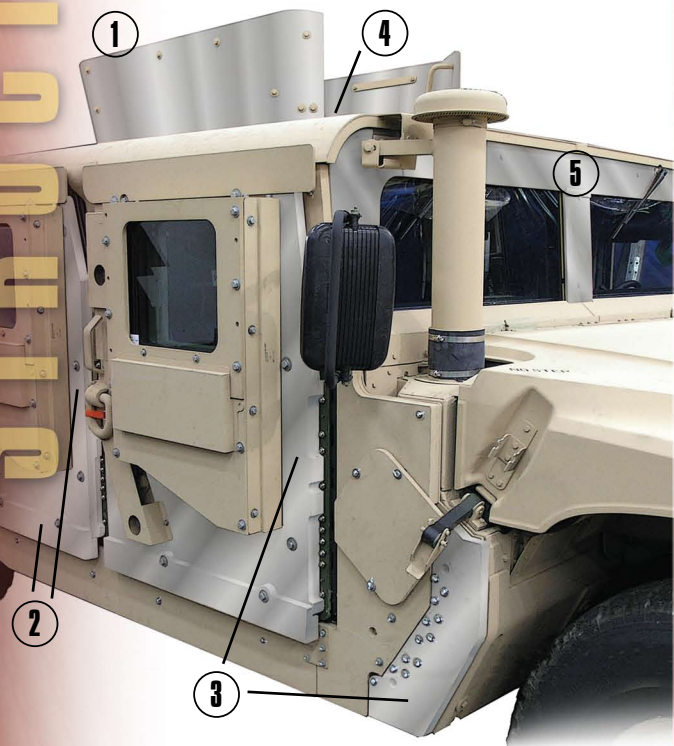
CAGE ARMOR

Kaiser Aluminum produces hard alloy bar and soft alloy extrusions for cage armor utilized on a number of vehicles. Aluminum cage armor is approximately 50% lighter than steel cage armor.



STRUCTURES

Aluminum Extrusions are used for a wide variety of structures. They provide an excellent option to light weight vehicles and increase payload. Aluminum can be used in many applications such as suspension control arms, drive shafts, windshield surrounds and other structural elements.



- ① Extruded Turret Armor
- ② Door Posts and Sills
- ③ Armor Plate

- ④ Forged Turret Ring
- ⑤ Custom Windshield Surround

Kaiser Aluminum manufacturing facilities have a long history of supplying aluminum material to the U.S. Military dating back to World War II.

Our company has built a reputation of providing “Best in Class” service and delivery of aluminum alloys that offer protection and light-weighting for improved safety and mobility.

Kaiser Aluminum employs a formal and exacting methodology of developing new products and processes. It is a highly structured approach that combines sophisticated metallurgical development and the rigorous controls of Lean Sigma to produce products that meet or exceed the most demanding requirements.

Aluminum’s high strength to weight ratio makes it the ideal material for vehicle armor systems, structures, munitions and aerospace components.

MUNITIONS

Kaiser Aluminum provides a variety of rod and bar products for munitions, weapons, mortars and rockets.

Ammunition

- Small Caliber
- Medium Caliber
- Anti-Tank, Mortar and Artillery Rounds

Weapons

- M4 / M16 Parts
- Shotgun Receivers
- Handgun Parts

Miscellaneous Munitions

- Flare Casings
- Sonabouys
- Small Rockets

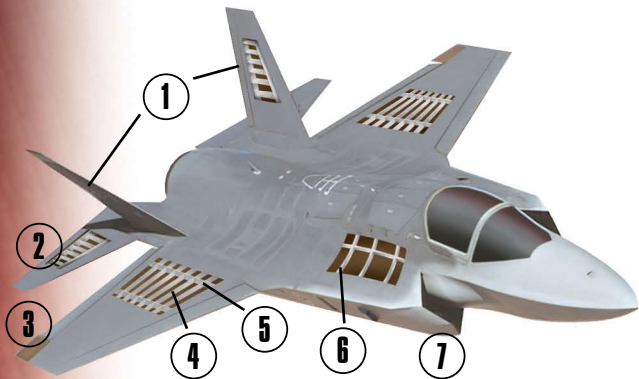


AEROSPACE

EXCELLENT DAMAGE TOLERANCE CAPABILITY

Today, Kaiser Aluminum plate and sheet is used on more than 50 military aircraft and helicopters including: The F-15, F-16, F-22, T-45, AWACS, C-17, E-2 and Nimrod. The Aerospace industry demands high-strength aluminum products that perform in challenging and often harsh environments. In addition to plate, coil and sheet, Kaiser Aluminum produces rod and bar products for high-strength applications.

Because of aluminum’s light weight and excellent damage tolerance capability, it is used in a large number of aerospace products ranging from simple components to primary load bearing structures for military, commercial, business and private aircraft.



- | | | |
|---------------------------|------------------|--------------------|
| 1 Vertical Stabilizer | 4 Spars | 7 Air Intake Shell |
| 2 Horizontal Stabilizer | 5 Ribs | |
| 3 Plate for Trailing Edge | 6 Fuselage Frame | |





A LONG-TERM APPROACH TO GREATNESS

At Kaiser Aluminum, we take pride in the "Best in Class" customer service we deliver to every one of our valued customers on a daily basis. We provide high quality products to the exact specifications our customers demand, and we are constantly improving our processes to provide on-time delivery that is unrivaled by our competition.

The Kaiser Production System is a unique, integrated application of the tools of Lean Manufacturing, Six Sigma and Total Productive Manufacturing which enables us to deliver superior customer satisfaction through the consistent, on-time delivery of high quality products on short lead times.

Best in Class

KAISER
ALUMINUM

For more information on the complete line of Kaiser Aluminum defense and aerospace products, call

Mike Odom • Flat Rolled Products • 214-618-4959
Steve Mahan • Rod, Bar and Shapes • 678-377-4930

www.kaiseraluminum.com

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