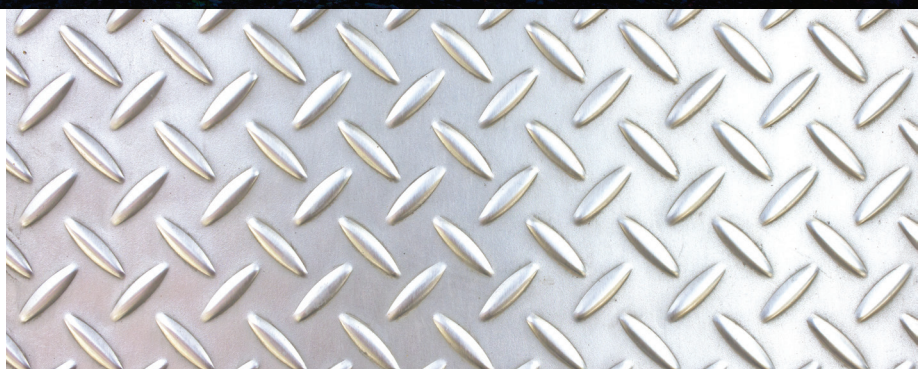
Metals for Defense

5083 5086 5454 5456 7039 5059 7085

Armor, Aerospace, Marine & General Engineering Sheet, Plate, Extrusions, Pipe, Tube & Bar



Charleston Aluminum is a full-service metals distributor. We supply all branches of the United States military through the Defense Logistics Agency (DLA) and the Department of Defense (DOD), contractors and sub-contractors while satisfying all Federal, State and local government requirements. Our primary contractors stem from the defense and aerospace industries.

With distribution facilities located in Gaston, South Carolina and Miami, Florida, we can stock, finish, and distribute a large selection of metals and metal products—including standard and non-standard material. We also offer a wide range of secondary processing services.

Additionally, we offer quick order fulfillment, competitive pricing, and in many cases, same day delivery via our company-owned fleet of vehicles. We deliver across the United States and Canada, while also providing global shipping options.

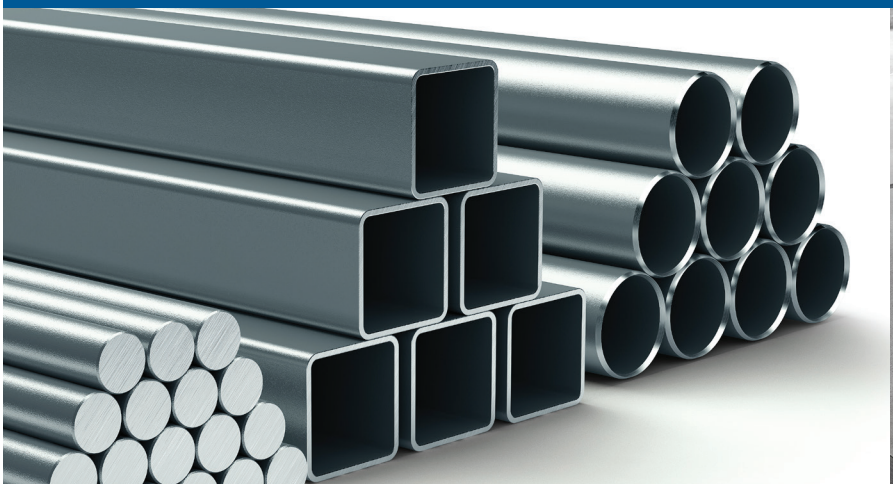
Charleston Aluminum is an SBA certified Small Business, a Defense Logistics Agency bulk-metals QSLD supplier (Cage Code 34FP9), and is SAM registered certified to ISO 9001:2008 - AS9100C.

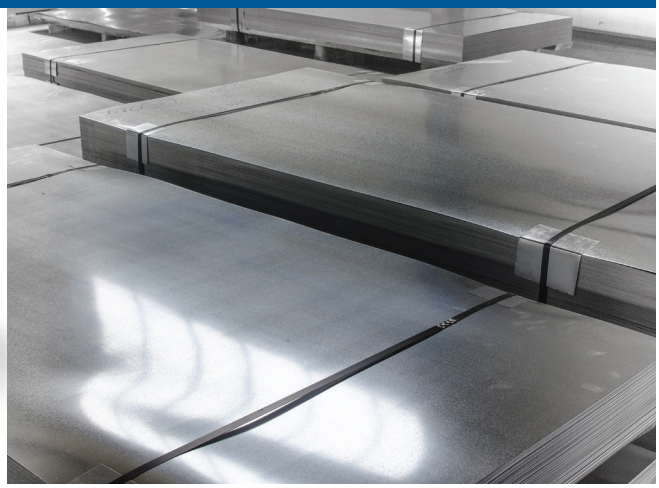
Charleston Aluminum

South Carolina 803-939-4600
Florida 305-558-4644
www.CharlestonAluminum.com

Charleston Aluminum provides:

- The highest quality metals: aluminum, brass, copper, stainless, alloy steel, carbon steel, titanium, and a number of other hard-to-find materials.
- Materials are available in sheet, plate, pipe, tube, bars and structural shapes.
- Some of our additional processes include, cutting to size, shearing, PVC, heat treating and paper interleaving.
- Delivery throughout the country.
- Traceability in accordance with DFAR and FAR regulations.
- Competitive pricing and on-time delivery.





Metals for Defense Applications

5083-H131 (MIL-DTL-46027)

It is preferred aluminum armor a result of its superior corrosion resistance and weld-ability.

5059-H136 / 5059-H131 (MIL-DTL-46027)

A relatively new alloy, similar to 5083-H131 in corrosion resistance and weld-ability properties. It is also more resistant to mine explosions and spalling, while providing superior strength and higher elongation. This material is usually ballistics tested.

6061-T6 (MIL-DTL-32262)

It meets commercial specifications and is often tested at Aberdeen Proving Ground a testing facility to satisfy ballistic standards, used in armor applications.

7039-T64 (MIL-DTL-46063)

Exceptional high-strength material with solid ballistic properties, however; not recommended for welding.

7085-T711 (MIL-DTL-32375)

This material has greater blast-threat survivability vs. conventional, equivalent weight aluminum armor. It offers dramatically reduced weight vs. steel armor plate at equivalent blast threat survivability. This product was developed as an application against direct-fire threats and underbody blast protection kits.

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