

SUPERIOR PRODUCTS DESIGNED FOR THE AEROSPACE INDUSTRY



KAISER ALUMINUM AEROSPACE



KAISER
ALUMINUM

KAISER ALUMINUM FLAT ROLLED PRODUCTS

KAISER ALUMINUM'S FLAT ROLLED PRODUCTS ARE AVAILABLE WORLDWIDE. OUR AEROSPACE PLATE FEATURES **KaiserSelect**[™], A SUPERIOR PRODUCT, HIGHLY ENGINEERED WITH SPECIFIC PERFORMANCE ATTRIBUTES FOR MACHINING COMPLEX PARTS.



DIMENSIONS

- Plate:
 - Alloy 6061: 0.250" - 10.000"
 - Alloy 2XXX, 7XXX: 0.250" - 8.000"
- Sheet and Coil: 0.008" - 0.249"

Maximum length dependent on alloy, temper, gauge and width.

ALLOYS AND TEMPERS

Kaiser Aluminum offers aluminum plate, sheet and coil products specifically tailored for the aerospace market. These products can be created from the following alloy selections:

- 2014
- 2014A
- 2024
- 2124
- 2219
- 6061
- 7050
- 7075
- 7175
- 7475

Sheet products tailored for the aerospace industry include 2024-T4 T-Form and Hi-Form Aircraft Sheet.

INDUSTRY APPROVALS

AS9100 | ISO 9001 | NADCAP

**KAISER
ALUMINUM**

SALES: 800-367-2586
PHONE: 509-924-1500
FAX: 509-927-6309
KAISERALUMINUM.COM

Kaiser Aluminum also produces a complete line of Soft Alloy Extrusions, Hard Alloy Shapes, Extruded and Drawn Seamless Tube and Pipe, Cast and Scalped Forge Stock, Redraw Rod, and Hard Alloy Cold Finished Products for the Aerospace, Transportation, General Engineering, and Defense Markets. Call 800-873-2011 or visit us at kaiseraluminum.com.

AEROSPACE



KAISER ALUMINUM

EXTRUDED SEAMLESS AND DRAWN SEAMLESS TUBE AND PIPE

KAISER ALUMINUM IS A LEADER IN THE PRODUCTION OF BOTH
EXTRUDED SEAMLESS AND DRAWN SEAMLESS TUBE AND PIPE.

All products are produced in various dimensions, alloys and tempers in standard configurations and made-to-order specifications.

DIMENSIONS

- Drawn OD: .188" - 3" (5mm - 76mm)
- Drawn Wall Thickness: .018" - .250" (0.5mm - 6.3mm), depending upon OD
- Extrude Only OD: 1" - 6.625" (25.4mm - 168mm), depending upon alloy selection
- Extrude Only Wall Thickness: .065" - 1" (1.7mm - 25mm), depending upon OD
- Maximum Lengths: Drawn: 24' (7.3m), Extruded: 40' (12m)

ALLOYS AND TEMPERS

- 1100: 0
- 2024: 0, T3, T3511
- 3003: 0, H112
- 5052: 0
- 6061: 0, T4, T4511, T6, T6511
- 6063: 0, T6, T831, T832
- 7050: 0, T6, T76
- 7068: 0, T6
- 7075: 0, T6, T73, T76

SPECIFICATIONS (ALLOY AND TEMPER SPECIFIC)

- AMS: 4065, 4067, 4069, 4070, 4071, 4079, 4080, 4081, 4082, 4083, 4086, 4087, 4088, 4150
- AMS: AMS-T-700/3, AMS-T-700/4, AMS-T-700/6, AMS-T-700/7, AMS-QQ-A-200/3, AMS-QQ-200/8, AMS-T-7081
- ASME: SB210, SB221, SB241
- ASTM: B210, B221, B234, B241, B483
- MIL: MIL-P-25995

QUALITY CONTROL AND TESTING

- Mechanical Properties: UT, YT, Elongation
- Dimensional Validation: CMM, Laser, Bore Gage

INDUSTRY APPROVALS

AS9100 | ISO 9001

AEROSPACE

**KAISER
ALUMINUM**

SALES: 800-528-8274
PHONE: 520-796-1097
FAX: 520-796-0596
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*Kaiser Aluminum also produces a complete line of
Flat Rolled Products, Soft Alloy Extrusions,
Hard Alloy Shapes, Cast and Scalped Forge Stock, Redraw Rod,
and Hard Alloy Cold Finished Products for the Aerospace,
Transportation, General Engineering, and Defense Markets.
Call us at 800-873-2011 or visit us at kaiseraluminum.com.*

KAISER ALUMINUM

COLD-FINISHED AND EXTRUDED HARD ALLOY ROD AND BAR

COMMITTED TO BEING A PREFERRED SUPPLIER OF HARD ALLOY ROD AND BAR PRODUCTS.



Kaiser Aluminum is a leader in the production of both Cold Finished and Extruded Hard Alloy Rod and Bar.

AVAILABLE DIAMETER SIZES

- 0.125" - 8.5"

AVAILABLE ALLOYS

- 2011
- 2024
- 4032
- 6061
- 7050
- 7075

SHAPES

- Round
- Square
- Rectangle
- Hex
- Profile

QUALITY CONTROL

- Dimensional and Internal Consistency
- Expert Metallurgical Resources
- State-of-the-Art Process Control

INDUSTRY APPROVALS

AS9100 | ISO 9001



AEROSPACE

**KAISER
ALUMINUM**

SALES: 800-873-2011

PHONE: 731-423-2811

FAX: 731-427-6499

KAISERALUMINUM.COM

Kaiser Aluminum also produces a complete line of Flat Rolled Products, Soft Alloy Extrusions, Hard Alloy Shapes, Extruded and Drawn Seamless Tube and Pipe, Cast and Scalped Forge Stock, and Redraw Rod for the Aerospace, Transportation, General Engineering, and Defense Markets.

Call 800-873-2011 or visit us at kaiseraluminum.com.

KAISER ALUMINUM ALEXCO HARD ALLOY SHAPES

OUR MISSION IS TO BE A HIGHLY COMPETITIVE FORCE IN THE AEROSPACE ALUMINUM EXTRUSION INDUSTRY BY PRODUCING A SUPERIOR QUALITY PRODUCT, SHIPPING THAT PRODUCT ON TIME, AND CONTINUALLY IMPROVING.

CAPABILITIES

- Wt./Ft.: From .050 - 8.9 lb./ft.
- Circle Size: Up to 10"
- Wall Thickness Minimum: .045"
- Heat Treat: 32' Max C/L
(Longer lengths subject to inquiry)
- Annealed: 40' Maximum Cut Length
(Longer lengths subject to inquiry)
- Alloys:
 - 2000 Series: 2014, 2024, 2219
 - Tempers: T8511, T81, T6511, T6, T4511, T4, T3511, T3, F, O
 - 7000 Series: 7050, 7075, 7175, 7178
 - Tempers: T76511, T76, T74511, T73511, T73, T6511, T6, F, O
- Rod: Heat Treated .750" - 2.500" Diameter
- Bar: Heat Treated .250" - 2.500" Max Thickness
by .750" - 6.000" Width
- Forging Stock: 1.000" - 3.000" Diameter

FINISHING, MEASURING AND TESTING EQUIPMENT

- Finishing Equipment: 4 Contour Roll Machines,
3 Stretchers, 4 Detwist Tables
- Optical Comparator
- Rockwell Hardness and Conductivity
- Testing Laboratory
- Over 25,000 Dies for Aerospace Profile Shapes and Designs
- USI: Outsourced

INDUSTRY APPROVALS

AS9100 | ISO 9001 | NADCAP (FOR HEAT TREATING)

CUSTOMER APPROVALS

BOEING | LOCKHEED | AIRBUS | RAYTHEON |
BOMBARDIER (LEARJET, DE HAVILAND, SHORT BROTHERS) |
EMBRAER | SONACA | VOUGHT | CESSNA | GULFSTREAM |
ISRAEL AIRCRAFT | MCDONNELL DOUGLAS | SPIRIT |
KOREAN AIR | MITSUBISHI | AND MORE

AEROSPACE

KAISER
ALUMINUM
ALEXCO

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KAISER ALUMINUM

CAST AND SCALPED FORGE STOCK / REDRAW ROD

KAISER ALUMINUM IS A LEADER IN THE PRODUCTION OF
CAST AND SCALPED FORGE STOCK, AND HOT ROLLED REDRAW ROD.



All products are produced in various dimensions and alloys in standard configurations and made-to-order specifications. Kaiser Aluminum offers exceptional quality at competitive prices.

Cast and Scalped Forge Stock:

AVAILABLE DIAMETER SIZES

- 8.125" - 25" (20.638cm - 63.6cm)

AVAILABLE LENGTHS

Length capability determined by diameter.

- 110" - 210" (279.4cm - 533.4cm)

AVAILABLE ALLOYS (MOST COMMON)

- 2024 • 6061
- 2214 • 7075
- 5083 • 7175

Redraw Rod:

AVAILABLE DIAMETER SIZES

- 0.375" - 0.875" (0.953cm - 2.223cm)

AVAILABLE ALLOYS (MOST COMMON)

- 2024 • 6061
- 2117 • 7075
- 4032 • 7175

QUALITY CONTROL

- Expert Metallurgical Resources
- State-of-the-art Process Control
- ISO 9001 and NADCAP Industry Standards

INDUSTRY APPROVALS

SAE AS9100B | ISO 9001 | NADCAP



AEROSPACE



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