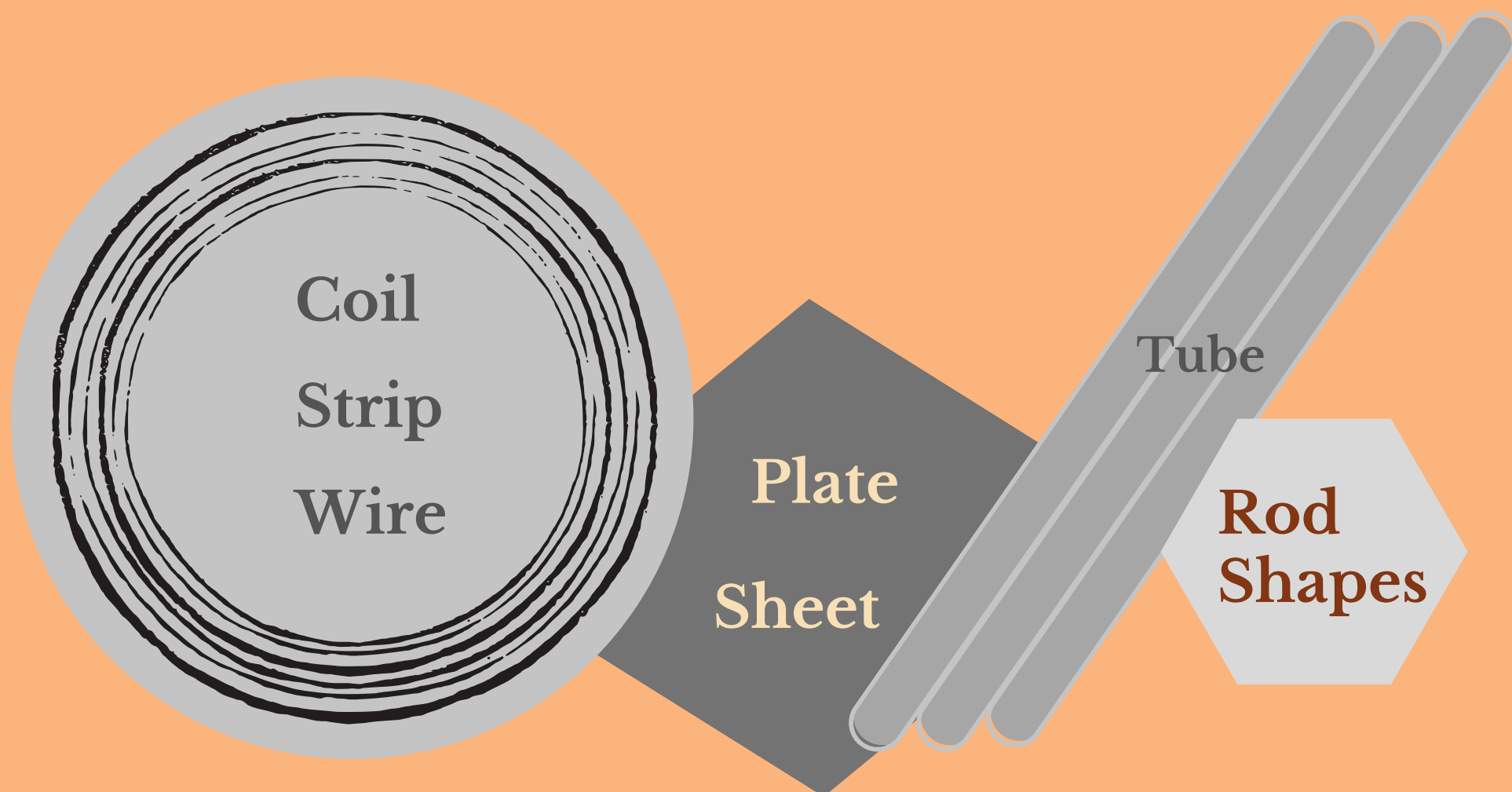




# Grace Alloy Corp.

## Aluminum Product Catalog



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GA strives for your optimum

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# About Us

**Grace Alloy Corp.** is a trading company. Our team has accumulated more than three decades of extensive experience in stainless steel, carbon steel, aluminum, copper alloy, and other non-ferrous materials. We specialize in supplying and purchasing materials in the forms of but not limited to:

- Coils
- Strips
- Precision strips (CSP)
- Sheets
- Plates
- Checkered Plates
- Thick Plates
- Pipes
- Fittings
- Tubes (round/square/rectangular)
- Wire rods
- Gratings
- Bars (flat/angle/round/square/hexagon)
- Water tanks
- Laser-cutting machines
- Welding machines
- Shearing machines
- Leveling machines

Our sources abide by international specifications. We strive to put every product to its optimal use and provide our valuable customers with a one-stop and personalized purchasing experience. Our supplies are used in various industries, including construction, transportation, public infrastructure, home appliances, interior design, commercial kitchenware, automobiles, electronics, food service, etc.

The earnest teamwork, rigorous profession, respected market reputation, and solid trust have developed firm networks worldwide. Networking with various suppliers allows us to provide favorable pricing, shorter delivery time, more amicable minimum order quantity (MOQ), diverse country of origin, and integrated services for our customers.

The collaborations that encompass both the domestic and international spheres are indicative of our competence, competitiveness, and confidence in rendering genuine services along with prime quality to our clients.

Maintaining a long-term, stable, smooth, and satisfying cooperative relationship with customers and suppliers serves as our topmost priority. The prospective aim of Grace Alloy Corp. is to forge cohesion that facilitates a mutually beneficial platform for each party included.

## Aluminum Alloy Redrawn Rod

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

Aluminum Redrawn Rod					
Diameter	mm		inch	mm	inch
	8.0		0.315	22.0	0.866
	11.0		0.433	25.0	0.984
	13.0		0.512	28.0	1.102
	16.0		0.630	32.0	1.259
	20.0		0.787		
Per Coil Weight	KGS		LBS		
	250		550		
Temper	*No Welding				
	F or O Temper				
Alloy Number	7075	6082	5056	4032	2117
	7050	6061	5052		2024
		6056			2014
					2011
*Other alloy number may be available upon request					

## Aluminum Alloy Finished Wire

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

Aluminum Finished Wire						
Diameter		<b>mm</b>		<b>inch</b>		
		2.0		0.08		
		30.0		1.181		
Per Coil Weight		<b>KGS</b>		<b>LBS</b>		
		250		550		
		*No Welding				
Temper	O, H, or T Temper					
Alloy Number		7075	6082	5056	4032	2117
		7050	6061	5052		2024
			6056			2014
						2011
		*Other alloy number may be available upon request				

## Aluminum Seamless Tube

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

Aluminum Seamless Tube						
Outside Diameter	Extruded Tube			Drawn Tube		
	mm	inch	mm	inch	mm	inch
	19.05	0.75	6.35	0.25		
	200	7.787	101.6	4.0		
Thickness	Extruded Tube			Drawn Tube		
	mm	inch	mm	inch	mm	inch
	1.9	0.075	0.8	0.032		
	60.0	2.35	5.0	0.20		
Material Shapes	Round, rectangular, square, and profiles					
Alloy Number	Shape	Material	Temper			
	Rectangular	2014	T6			
		2024	T3			
		7075	T4 / T6			
	Square	7075	T651			
		5083	H112			
		7050	T76			
	Profiles	7075	T6			
		2024	T351 / T651			
		7075	T651			
5051		TO				

## Aluminum Seamless Tube

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

Aluminum Seamless Tube				
Alloy Number	Shape	Material	Temper	
	Round	5056	H32 / H34 / H112	
		5052	H112 / H32 / H34	
		7175	T79511	
		7050	T76	
		2024	T3 / T351 / T3511 / T6511	
		7075	T6 / T651 / T6511	
		6061	T6	
		7020	T6	
		7005	T53	
		6082	T6	
		3003	T0	
		6063	T83	
		Other Shapes (Not Seamless)	7075	T6511
			2024	T3511 / T6511

## Aluminum Round, Flat, Square, and Hexagon Bar

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

### Aluminum Round, Flat, Square, and Hexagon Bar

	Extruded Bar		Drawn Bar		Flat Bar	
	mm	inch	mm	inch	mm	inch
Diameter (Bar)	15.88	0.62	6.35	0.25	6.35	0.25
Cross Sectional (Flat Bar)	250.0	10.0	127.0	5.0	250.0	10.0
Material Shapes	Round, square, flat, and hexagon					
Alloy Number	Shape	Material	Temper			
	Round	2024	T3 / T351 / T851			
	Hexagon	2011	T3 / T8			
	Flat	7075	T6 / T651 / T7351 / TO			
	Square	7050	T7451 / T7651 / TO			
		2014	T4 / T6 / TO			
		5019	H112			
	5083	H321 / H116				
	6082	T651				



## Aluminum Hot Rolled Coil and Plate

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

### Aluminum Hot Rolled Coil and Plate

Material Form	Coil and Plate		
Alloy Number	Specification	Material	Heat Treatment
	<ul style="list-style-type: none"> <li>AMS 4202</li> <li>AMS 4204</li> <li>AMS 4205</li> <li>JIS-H-4000</li> </ul>	7010	<ul style="list-style-type: none"> <li>T7351</li> <li>T7651</li> <li>T7451</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4200</li> </ul>	7049	<ul style="list-style-type: none"> <li>T7351</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4050</li> <li>AMS 420</li> </ul>	7050	<ul style="list-style-type: none"> <li>T7451</li> <li>T7651</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4206</li> </ul>	7055	<ul style="list-style-type: none"> <li>T7751</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4044</li> <li>AMS 4045</li> <li>AMS 4078</li> <li>AMS 4277</li> <li>JIS-H-4000</li> <li>AMS-QQ-A-250/12</li> <li>AMS-QQ-A-250/24</li> <li>ASTM B209</li> </ul>	7075	<ul style="list-style-type: none"> <li>TO</li> <li>T6</li> <li>T62</li> <li>T651</li> <li>T73</li> <li>T76</li> <li>T7651</li> <li>T7351</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4252</li> <li>AMS4306</li> </ul>	7150	<ul style="list-style-type: none"> <li>T7751</li> <li>T6151</li> </ul>
	<ul style="list-style-type: none"> <li>AMS-QQ-A-250/14</li> <li>AMS-QQ-A-250/21</li> <li>ASTM B209</li> </ul>	7178	<ul style="list-style-type: none"> <li>T76</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4202</li> <li>JIS-H-4000</li> </ul>	7475	<ul style="list-style-type: none"> <li>T7351</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4025</li> <li>AMS 4026</li> <li>AMS 4027</li> <li>ASTM B209</li> <li>AMS-QQ-A-250/11</li> <li>JIS-H-4000</li> </ul>	6061	<ul style="list-style-type: none"> <li>TO</li> <li>T4</li> <li>T42</li> <li>T451</li> <li>T6</li> <li>T62</li> <li>T651</li> </ul>
<ul style="list-style-type: none"> <li>AMS 4015</li> <li>AMS 4016</li> <li>AMS 4017</li> <li>AMS-QQ-A-250/8</li> <li>JIS-H-4000</li> </ul>	5052	<ul style="list-style-type: none"> <li>TO</li> <li>H32</li> <li>H34</li> <li>H36</li> <li>H22</li> <li>H24</li> <li>H26</li> <li>H12</li> <li>H14</li> <li>H16</li> </ul>	

## Aluminum Hot Rolled Coil and Plate

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

### Aluminum Hot Rolled Coil and Plate

Material Form	Coil and Plate		
Alloy Number	Specification	Material	Heat Treatment
	<ul style="list-style-type: none"> <li>AMS 4056</li> <li>AMS-QQ-A-250/6</li> <li>JIS-H-4000</li> <li>ASTM B209</li> <li>ASTM B928</li> <li>ABS certificate</li> <li>(H321/H112)</li> <li>DNV certificate</li> <li>(O/H111/H112/HH116/H321)</li> </ul>	5083	<ul style="list-style-type: none"> <li>TO</li> <li>H32</li> <li>H321</li> <li>H116</li> </ul>
	<ul style="list-style-type: none"> <li>AMS-QQ-A-250/7</li> <li>AMS-QQ-A-250/19</li> <li>ASTM B209</li> <li>JIS-H-4000</li> <li>ABS certificate (H116/H321)</li> </ul>	5086	<ul style="list-style-type: none"> <li>H112</li> </ul>
	<ul style="list-style-type: none"> <li>AMS-QQ-A-250/9</li> <li>AMS-QQ-A-250/10</li> <li>AMS-QQ-A-250/20</li> <li>ASTM B209</li> </ul>	5456	<ul style="list-style-type: none"> <li>H112</li> </ul>
	<ul style="list-style-type: none"> <li>AMS-QQ-A-250/9</li> <li>AMS-QQ-A-250/10</li> <li>AMS-QQ-A-250/20</li> <li>ASTM B209</li> </ul>	5454	<ul style="list-style-type: none"> <li>H112</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4028</li> <li>AMS 4029</li> <li>ASTM B209</li> <li>JIS-H-4000</li> </ul>	2014	<ul style="list-style-type: none"> <li>TO</li> <li>T3</li> <li>T4</li> <li>T6</li> <li>T651</li> </ul>

## Aluminum Hot Rolled Coil and Plate

Our sources are holders of NADCAP (Heat Treating & NonDestructive Testing), DNV, ABS, and AS9100 aerospace quality system certifications,

### Aluminum Hot Rolled Coil and Plate

Material Form	Coil and Plate		
Alloy Number	Specification	Material	Heat Treatment
	<ul style="list-style-type: none"> <li>JIS-H-4000</li> </ul>	2017	<ul style="list-style-type: none"> <li>T3</li> <li>T351</li> <li>T4</li> <li>T451</li> <li>T42</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4035</li> <li>AMS 4037</li> <li>AMS 4193</li> <li>AMS 4297</li> <li>AMS-QQ-A-250/4</li> <li>ASTM B209</li> <li>JIS-H-4000</li> </ul>	2024	<ul style="list-style-type: none"> <li>TO</li> <li>T3</li> <li>T351</li> <li>T851</li> <li>T861</li> <li>T42</li> <li>T62</li> <li>T81</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4303</li> </ul>	2090	<ul style="list-style-type: none"> <li>T81</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4101</li> <li>AMS-QQ-A-250/29</li> <li>AMS 4221</li> <li>ASTM B209</li> </ul>	2124	<ul style="list-style-type: none"> <li>T851</li> <li>T8151</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4031</li> <li>AMS-QQ-A-250/30</li> <li>ASTM B209</li> </ul>	2219	<ul style="list-style-type: none"> <li>TO</li> </ul>
	<ul style="list-style-type: none"> <li>AMS 4273</li> <li>AMS 4276</li> </ul>	2424	<ul style="list-style-type: none"> <li>TO</li> <li>T3</li> </ul>

\*Other specifications may also be available upon request.

## Aluminum Coil and Flat Sheet

### Aluminum Coil and Flat Sheet

Alloy Number	Specification	Thickness (mm)	Heat Treatment
1050, 1070, 1100, 3003, 3004, 5005, 5052, 5252, 5454, 5754	AA, JIS	0.15 ≤ T ≤ 6.00	F
		0.15 ≤ T ≤ 6.00	O
		0.20 ≤ T ≤ 5.00	H14, H34
		0.20 ≤ T ≤ 3.50	H16, H36
		0.20 ≤ T ≤ 2.20	H18, H38
1050	JIS	0.20 ≤ T ≤ 3.00	H24, H26
1070	JIS	0.20 ≤ T ≤ 1.00	H24, H26
1100	JIS	0.20 ≤ T ≤ 1.50	H24
		1.50 ≤ T ≤ 1.80	H26
3003	AA, JIS	0.20 ≤ T ≤ 2.00	H24
3004	AA, JIS	0.50 ≤ T ≤ 6.00	H32
5005, 5052, 5252	AA, JIS	0.20 ≤ T ≤ 6.00	H32
5052	AA, JIS	0.50 ≤ T ≤ 4.00	H22
5083	AA, JIS	0.15 ≤ T ≤ 6.00	F
	AA, JIS	1.20 ≤ T ≤ 5.00	O
	JIS	0.50 ≤ T ≤ 5.00	H32
	AA	3.00 ≤ T ≤ 6.00	H116, H321
5086	AA, JIS	0.15 ≤ T ≤ 6.00	F
		0.50 ≤ T ≤ 6.00	O
5086, 5182	AA, JIS	0.20 ≤ T ≤ 5.00	H14, H34
		0.20 ≤ T ≤ 3.50	H16, H36
		0.20 ≤ T ≤ 2.20	H18, H38
3004, 5052, 5182, 5082	JIS	0.20 ≤ T ≤ 0.50	H19, H39
6061	AA, JIS	0.15 ≤ T ≤ 6.00	F
		0.25 ≤ T ≤ 6.00	O
		0.40 ≤ T ≤ 4.00	T4, T6
6063	AA	0.25 ≤ T ≤ 6.00	O
		0.40 ≤ T ≤ 3.2	T4, T6
7075	JIS	0.40 ≤ T ≤ 3.20	O, T6
	JIS	1.50 ≤ T ≤ 3.20	T73

### Available Thickness, Width, and Length of Flat Sheet

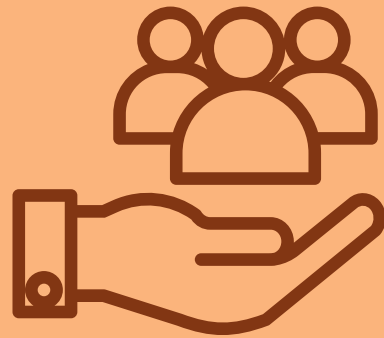
Thickness (mm)	Width (mm)	Length (mm)
0.12 ≤ T ≤ 0.80	800 ≤ W ≤ 1320	500 ≤ L ≤ 3048
0.80 ≤ T ≤ 1.50	800 ≤ W ≤ 1320	1000 ≤ L ≤ 4000
1.50 ≤ T ≤ 6.00	850 ≤ W ≤ 1820	1000 ≤ L ≤ 8000
0.20 ≤ T ≤ 0.80	800 ≤ W ≤ 1320	500 ≤ L ≤ 3048
0.40 ≤ T ≤ 6.00	1000 ≤ W ≤ 1820	1000 ≤ L ≤ 8000
0.40 ≤ T ≤ 3.20	1000 ≤ W ≤ 1250	1000 ≤ L ≤ 8000

### Available Thickness, Width, and Length of Coil and Strip & Coil Inside Diameter Chart

Thickness (mm)	Width (mm)	Length (mm)
0.10 ≤ T < 0.20	850 ≤ W ≤ 1500	305 (below 1.0mm thickness),
0.20 ≤ T ≤ 3.20	850 ≤ W ≤ 2000	406 (below 1.0mm thickness),
0.40 ≤ T ≤ 3.20	1000 ≤ W ≤ 2000	508
0.40 ≤ T ≤ 3.20	1000 ≤ W ≤ 1250	508

\*Other specifications may also be available upon request.

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