

Product	Description	Properties
<u>Alloy Steels</u>		
300M	300M is a melted alloy steel with added components that increase its strength in order to make it useful in applications that require high strength and high toughness metals	Good fatigue strength, good resilience, great fracture toughness, great impact resistance
4130	Alloy Steel 4130 is a versatile alloy that can be used in a variety of industries. It contains chromium and molybdenum as strengthening alloying components, which increase its resistance to harsh environments	Good strength, good toughness, easy weldability, easy machinability, good resistance to corrosion
4135	4135 is a chromium-molybdenum low-alloy steel. The addition of molybdenum improves the strength of the 4135. It can be heat treated to even increase the strength, and maintain its toughness at reasonable levels	Good strength, good machinability, heat treatable, good toughness
4140	Alloy Steel 4140 is a versatile low alloy steel, which contains chromium, molybdenum, and manganese. It is widely used in situations where harsh environments are encountered	High toughness, high fatigue strength, great impact resistance, good corrosion resistance.
4150	Alloy Steel 4150 is a low-alloy steel strengthened by the addition of chromium and molybdenum. Like the 4140, its uses are varied in very demanding conditions, such as those found in the aerospace or power generation industries.	Uniform strength, good wear resistance, excellent hardness, suitable for machining (after heat treatment)
4340	Alloy Steel 4340 is a medium carbon, low alloy steel that represents the necessary strength to be useful in demanding industries such as aerospace and energy. It is known for its toughness once it is heat-treated.	Great toughness, good fatigue resistance, good ductility, good formability

8620	Alloy Steel 8620 is a nickel, chromium, molybdenum based alloy that is suited for applications which require both toughness and wear resistance	Good internal strength, high external strength, high wear resistance
9310	Alloy Steel 9310 is a nickel, chromium, and molybdenum based alloy. Some of its qualities are useful when harsh conditions are expected	High hardenability, great resistance to fatigue, high resistance to wear, high toughness

Specs	Markets	Applications
BMS 7-26, AMS 6257, AMS 6417, AMS 6419, MTL1201, MAT 137, , MIL-S-8844, CL3	Aerospace, Defense, Automotive & Transportation	Aircraft landing gear, airframe components, missile components, auto sport components
AMS 6345, AMS 6350, AMS 6351, MIL-18729, ASTM-A-505, AMS 6736, AMS 6731, MIL-T-6736, ASTM-A-519, AMS 6370, MIL-T-6758, ASTM-A331	Aerospace, Defense, Automotive & Transportation, Energy, Industrial	Aircraft components, machine tools, hydraulic tools, auto sport parts
UNS G41350, AMS 6365C, AMS 6372C, ASTM A711, ASTM A355, ASTM A519	Aerospace, Defense, Industrial, Automotive & Transportation	Forged shafts, spindles, fixtures, jigs and collars.
AMS 6349, AMS 6381, AMS 6382, AMS 6390, AMS 6395, AMS 6529, ASTM A193, ASTM A194, ASTM A29, ASTM A320, ASTM A322, ASTM A331, ASTM A752, ASTM A829	Aerospace, Defense, Industrial, Automotive & Transportation	Shafts, crankshafts, jigs, fixtures, conveyors, milling spindles
ASTM A29, ASTM A322, ASTM A331, ASTM A519, ASTM A711, MIL S-11595, SAE J1397, SAE J404, SAE J412	Aerospace, Defense, Industrial, Energy, Automotive & Transportation	Shafts, valves, axles, forged gears, aircraft components, sprockets
ASTM A29, AMS 6414, AMS 6415, AMS-S-5000	Aerospace, Defense, Industrial, Automotive & Transportation	Aircraft landing gear, power transmission gears, structural applications

<p>ASTM A322, ASTM A506, ASTM A513, ASTM A646, ASTM A829, UNS G86200, AMS 6274, AMS 6277, ASTM A29, ASTM A331, ASTM A507, ASTM A519, ASTM A752, MIL S-8690, SAF, J404</p>	<p>Aerospace, Defense, Industrial, Automotive & Transportation</p>	<p>Gears, axles, springs, clutch shafts, hand tools, bolts, fasteners, golf clubs</p>
<p>AMS 6265, AMS 6267</p>	<p>Aerospace, Defense, Industrial, Automotive & Transportation</p>	<p>Aircraft engine gears, heavy-duty gears, boring bars, power tool cams, piston pins</p>

Forms

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Coil

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