



A286

1. Brief introduction:

It is a Fe-25Ni-15Cr based superalloy with comprehensive strengthening of molybdenum, titanium, aluminum, vanadium and trace boron. It has high yield strength and long-lasting, creep strength below 650 ° C, and has good processing plasticity and satisfactory welding performance. Suitable for the manufacture of high-temperature bearing components for aerospace engines operating at temperatures below 650 °C, such as turbine disks, press plates, rotor blades and fasteners. The alloy can produce deformed products of various shapes, such as discs, forgings, plates, rods, wires and rings.

2. Chemical composition:

chemical composition under GB/T 14992-2005 standard:

chemical composition,%													
Grade	Ni	C	Si	Mn	V	Cr	S	P	Fe	Ti	Mo	B	Al
GH2132	24-27	≤0.08	≤1	1.0-2.0	0.1-0.5	13.5-16	≤0.02	≤0.03	Remainder	1.75-2.35	1-1.5	0.001-0.01	≤0.4

3. chemical composition under ASTM A453/A453M-11 standard:

chemical composition,%													
Grade	Ni	C	Si	Mn	V	Cr	S	P	Fe	Ti	Mo	B	Al
Grade 660													
UNS S66286	24-27	≤0.08	≤1	≤2.0	0.1-0.5	13.5-16	≤0.03	≤0.04	Remainder	1.9-2.35	1-1.5	0.001-0.01	≤0.35

Remarks: If require adjustments for some chemical compositions, pls consult with us.



4. Main product types we produce:

wire,rod, bar,forging, strip,sheet/plate.

5. Some produce standards for reference:

cold drawn wire for cold upsetting:	YB/T 5249-2012		
Rod/bar	ASTM A638	ASTMA453	AMS 5731, AMS 5732, AMS 5737
Forging	ASTM A638		
strip/sheet/plate	AMS 5525, AMS 5858		

6. A286 source URL:

<https://www.hitealloy.com/product/a286-gh2132.html>