



Alloy 263

1. Brief introduction:

A precipitation-hardenable Ni-Cr-Co alloy with an addition of Mo for solid-solution strengthening.

It has high strength and corrosion resistance along with good formability and high-temperature ductility in welded structures.

The alloy is especially suitable for sheet applications. Used in gas turbines for rings, casing and various sheet fabrications.

2. Main specifications:

UNS	USA	W.Nr
N07263	alloy 263	2.4650

3. Chemical composition under AMS5872 standard:

Grade	chemical composition,%														
	Ni	Cr	Co	Mo	Ti	Al	Ti+Al	C	Mn	Si	S	P	Fe	B	Cu
alloy C263	Remainder	19.0-21.0	19.0-21.0	5.6-6.1	1.9-2.4	0.3-0.6	2.4-2.8	0.04-0.08	≤0.6	≤0.4	≤0.007	≤0.015	≤0.7	≤0.005	≤0.2

4. Main product types:

wire, forging, extruded section, bar, sheet/plate.



Shanghai Hite Special Alloy Co., Ltd.
<https://www.hitealloy.com>

5. Main produce standards:

Rod,Bar, Forging, Ring	Tubes	Plate/Sheet/Strip
DIN 17744	BS HR 404	BS HR 206 AMS5872 DIN17750

6. Alloy263 source URL:

<https://www.hitealloy.com/product/alloy-263.html>

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