

## AMS 5872, AMS 5886 - NICKEL ALLOY C263

Nickel alloy C263 (AMS 5886, AMS 5872) is an air melt nickel-cobalt-chrome alloy, age hardenable to give a reasonable balance of strength and ductility at room and elevated temperatures.

### Specific Gravity

### Typical Applications

### Related Specifications

AMS 5872  
AMS 5886  
BS HR 206  
BS HR 10

### Chemical Composition (Wt %)

	Ni	Co	Cr	Mo	Ti + Al	Fe	Cu	C	Si
<b>Min</b>	Bal	19	19	5.6	2.4	–	–	0.04	–
<b>Max</b>	Bal	21	21	6.1	2.8	0.7	0.2	0.08	0.4

### Typical Mechanical Properties

	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness
<b>Content</b>					

### Hardness after Heat Treatment

\* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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