

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
Min	Bal	19	19	5.6	2.4	–	–	0.04	–
Max	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				
Content									
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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