

## **NICKEL ALLOY 75**

Alloy 75 is a creep resistant nickel-chromium alloy with a controlled carbon content and a small addition of titanium.

Alloy 75 has good mechanical properties and oxidation resistant at high temperatures.

Specific Gravity						
8.37 g/cm3						
Typical Applications	Related Specifications					
Components for industrial and aircraft gas turbines	BS HR5					
Industrial furnace components	<b>BS HR</b> 504					
High Temperature fasteners	<b>UNS N</b> 06075					
Thermocouple sheathing	<b>DIN</b> 17752					
Heat treating equipment and fixtures	ISO 9723					
	<b>W.Nr</b> 2.4630					
Chemical Composition (Wt %)						

	Ni	Cr	Fe	С	Mn	Si	Cu	Al	Ti
Min	_	19	-	0.08	_	0.3	-	_	0.2
Max	Ва	21	5	0.13	1.0	0.7	0.5	0.3	0.6

## **Typical Mechanical Properties in the Solution Treated Condition**

0.2% Proof Stress	Tensile Strength	Elongation	Hardness	
MPA	MPA	%	НВ	
240	650	25	<230 (less equal)	

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\* 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 upply conditions such as heat treatment or temper and product dimensions.

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Material supplied by Dynamic Metals Ltd may vary significantly from this data but will conform to the relevant and

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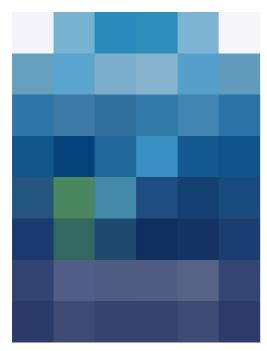
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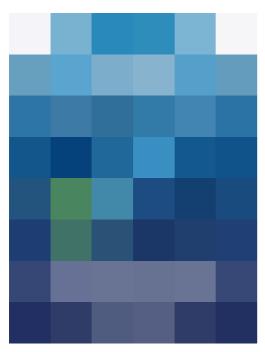
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