



Nimonic* 90



Introducing Nimonic* 90

Alloy 90 is an age-hardenable wrought nickel-chromium-cobalt base alloy which is strengthened by the additions of titanium and aluminium.

*Trade names of Special Metals Group of Companies



Grade Names	
Grade	Alloy 90
Werkst.	2.4632 / 2.4969
UNS	N07090
AWS	030

Applicable Standards	
AMS	5829
BS	HR 501 / 502 / 503
BS	3075 NA 19
ISO	15156
NACE	MR0175

Chemical Analysis																
	C	Mn	Si	Ag	S	Cr	Co	Zr	Fe	Al	Ti	Ni	Pb	B	Cu	Bi
Min %	-	-	-	-	-	18	15	-	-	1.00	2.00	-	-	-	-	-
Max %	0.13	1.0	1.0	0.0005	0.15	21	21	0.15	1.50	2.00	3.00	Bal.	0.002	0.02	0.20	0.0001

Tensile Strengths	
Condition	Tensile
Annealed	800– 1000 N/mm ²
Spring Temper	1300 - 1500 N/mm ²

Available in	
Round Wire	0.30 mm (0.0118") to 12.00 mm (0.472" dia.)
Profile Wire	Up to 45 mm ² area in any shape

Packaging	
Spools	To customers requirements
Coils	0.50 kg coils through to 100+
Cut Lengths	10 mm to 10 metres

Typical Applications

- + Turbines
- + Aerospace
- + Springs
- + Oil & Gas

*Trade names of Special Metals Group of Companies

Unit 3, Oxspring Wiremills,
Oxspring, Sheffield S36 8YW
T: +44 (0)1226 763081
F: +44 (0)1226 767164
E: sales@wintwire.co.uk

www.wintwire.co.uk