





Introducing Inconel* 601

Alloy 601 is a nickel-chromium general purpose engineering material for application that require resistance to heat and corrosion. The alloy offers excellent resistance to oxidation and can operate in temperatures up to 2200°F. The alloy's nickel base, in conjunction with substantial chromium content, provides resistance to many corrosive media and high- temperature environments

***Trade names of Special Metals Group of Companies**



Grade Names	
Grade	Alloy 601
Werkst.	2.4851
UNS	N06601
AWS	011

Applicable Standards	
DIN	17753
ASTM	B166
ASME	SB 166
ISO	9723 (bar)

Chemical Analysis															
	C	Mn	Si	P	S	Cr	Co	Mo	Fe	Al	Ti	Ni	Nb/Cb	Ta	Cu
Min %	-	-	-	-	-	21	-	-	-	1.00	-	58	-	-	-
Max %	0.10	1.00	0.50	-	0.015	25	-	-	Bal.	1.70	-	63	-	-	1.00

Tensile Strengths	
Condition	Tensile
Annealed	700 – 900 N/mm ²
Spring Temper	1200 – 1450 N/mm ²

Available in	
Round Wire	0.08 mm (0.00315") 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

- + Thermal Processing
- + Chemical Processing
- + High Temp Applications
- + Conveyor Belts
- + Electrical Resistance

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