

## INCONEL ALLOY 602

# NICKEL ALLOY

HIGH TEMPERATURE RESISTING ALLOY

INCONEL 602 covers nickel alloy forgings. These alloys are classified into different grades according to their chemical composition. Inconel 602 Alloy covers Ni-Cr-Fe-Al alloy UNS N06025. Alloy 602 is a high carbon nickel-chromium-iron alloy with addition of the micro-alloying elements titanium and zirconium together with aluminium and yttrium. It is normally supplied in the solution-annealed condition with an oxidized and descaled surface. The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

### Chemical Properties

C	Mn	P	S	Si	Cr	Cu	Ti	Al	Fe	Zr	Y
0.15-0.25	0.15 Max	0.02 Max	0.01 Max	0.5 Max	24.0-26.0	0.10 Max	0.1-0.2	1.8-2.4	8.0-11.0	0.01-0.10	0.05-0.12

### Mechanical Properties

Yield strength	Tensile strength	Elongation
Min 0.2% Mpa	Min Mpa	Min %
270	680	30

### Heat Treatment

Solution Annealed @ 1177°C & Rapidly Liquid Quenched

### Equivalent Designation

UNS N06025  
En Name NiCr25FeAlY  
W.Nr. 2.4633

CUSTOMER ASSISTANCE : [customer@TorqBolt.com](mailto:customer@TorqBolt.com)

#4/217, Deccan Bank Bldg,  
R. R. Roy Road, Mumbai - 400 004,  
Maharashtra, INDIA

Email: [info@TorqBolt.com](mailto:info@TorqBolt.com)  
Web: [www.TorqBolt.com](http://www.TorqBolt.com)

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