

HEAT TREATABLE STEELS AND PRECIPITATION HARDENING STEELS

Available Product Variants

Open Die Forgings

Product Description

Highly stressed components for the aircraft and rocket industries. Constructional and tool steel for hot and cold working tools used for long-time service at temperatures up to approx. 450°C (840°F). Machine tools, pressure vessels, gearwheels (nitrided), screws, precision parts, tools for hydrostatic presses, cold extrusion tools, cold heading and embossing tools, plastic moulds, die casting tools for aluminium and zinc alloys, hot pressing tools.

Applications

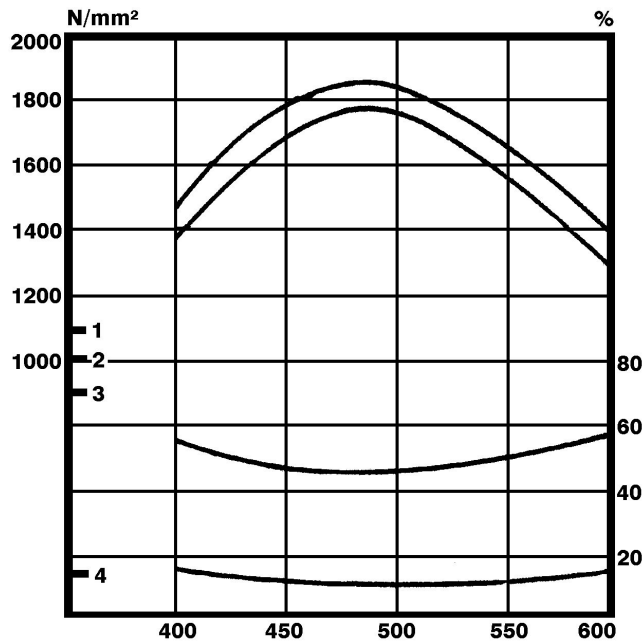
- > Other Aerospace Comps.
- > Turbine and Engine Parts (Aerosp)

Technical data

Material designation		Standards	
1.6359	SEL	Marage 250	ASTM
K92890	UNS	6512	AMS
X2NiCoMo18-8-5	EN	S162	BS
Maraging 250	Market grade		

Chemical composition (wt. %)

C	Si	Mn	Mo	Ni	Co	Ti	Al
≤ 0,005	≤ 0,05	≤ 0,05	4.9	18	7.8	0.55	0.13



Auslagerungstemperatur (Haltedauer 3 Stunden) in °C
Ageing temperature (holding time 3 hours) in °C

The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.