ENGINEERING STEELS - MARTENSITIC PRECIPITATION HARDENING (MARAGING) 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 Components
- Turbine and Engine Parts (Aerospace)

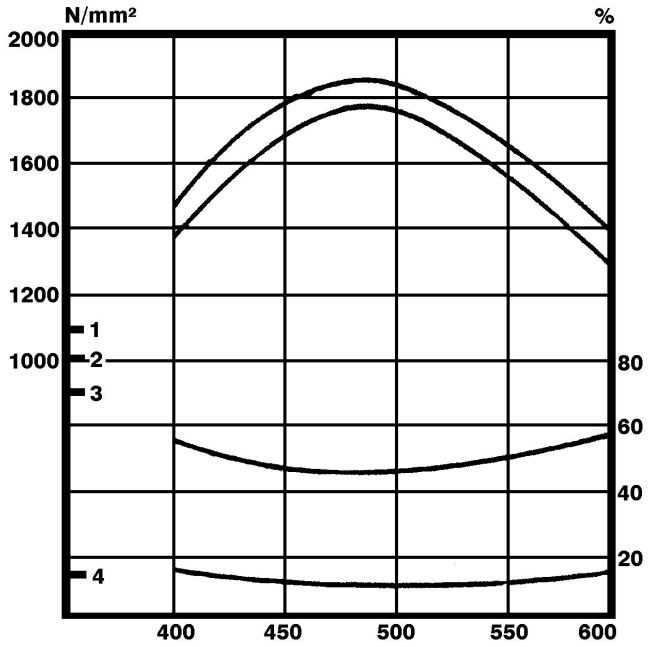
Technical data

Material designation	
Maraging 250	Market grade
1.6359	SEL
X2NiCoMo18-8-5	EN
K92890	UNS

Standards	
Marage 250	ASTM
6512	AMS
S162	BS

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

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ONE STEP AHEAD.