

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

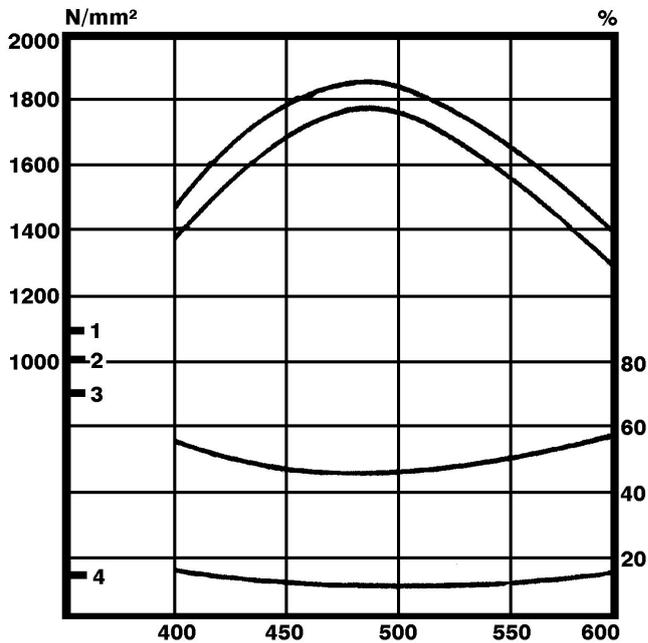
- > Other Aerospace Components
- > Turbine and Engine Parts (Aerospace)

Technical data

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

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

If other available product variants are listed in addition to long products, please note that these may differ in terms of melting process, technical data, delivery and surface condition as well as available product dimensions. For mandatory technical specifications, other requirements and dimensions, please contact our regional voestalpine BÖHLER sales companies. 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.

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ONE STEP AHEAD.