

1.8550 / 34CrAlNi7-10 — Nitriding steel, alloyed engineering steel

Summary

The material 1.8550 is a nitriding, engineering steel.

Chemical Analysis

	C	Si	Mn	P	S	Cr	Al	Mo	Ni
min.	0,30	-	0,40	-	-	1,50	0,80	0,15	0,85
max.	0,37	0,40	0,70	0,025	0,035	1,80	1,20	0,25	1,15

Properties

Surface hardenable, good wear resistance, we store this material in tempered condition,

(Tensile strength 900-1000 N / mm²)

Hard to weld, not suitable for welding constructions.

Application Areas

Automotive engineering, components in mechanical engineering, plant construction, gear parts,

Presses and extruder parts for the plastics industry, plastic construction,

Clamping jaws for holding devices, connecting rods.

International designation

DIN EN 10085 1.8550
34CrAlNi7-10

Aisi -

UNS -

AFNOR -

SS -

UNE -

B.S. -

Mech. Properties at Room temperature

Re Yield point	A Elongation	Z Reduction	KV Impact Strength	Hardness
min. 680 N/mm ²	min. 10 %	Informativ	min. 30 J	251-315 HB

Special Features

The forging ratio is min. 3.5.

In addition, the impact values are determined at -20 ° C.

Delivery options

We can saw the material to your required dimensions.

Request / questions

Do you have a request, or have a question about the material 1.8550?

Contact us!. Our competent staff will gladly help you.

Stahlhandel Gröditz GmbH

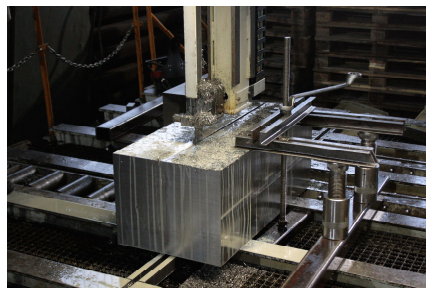
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