

ČELICI ZA HLADNI RAD

Dostupne varijante proizvoda

 Šipkasti proizvodi*

 Ploče

*) Presented data refer exclusively to long products. Please observe the detailed explanations at the end of the data sheet (pdf).

Opis proizvoda

Raznovrsne komponente za grubo drobljenje, rukovanje rasutim materijalom, oprema za izdvajanje metala iz rude i procesna oprema, npr. čeljusti drobilica, udarne šipke, udarne ploče, čekići, cjedila ekstrudera, rešetkasta sita, čahure, elevatorske vjedrice, zubi bagera, zubi skrejpera, brze spojnice, valjci gusjenica, rolne lanaca itd.

Put taljenja

 Airmelted

Karakteristike

- > Žilavost i duktilnost : visok
- > Tlačna čvrstoća : dobar
- > Dimenzionalna stabilnost : dobar
- > Stabilnost rubova : dobar

Korištenje

- > Standardni dijelovi (kalupi, ploče, klinovi, probijači)
- > Potrošni dijelovi
- > Opći sklopovi za strojarstvo

Tehnički podaci

Oznaka materijala	
1.3401	SEL
X120Mn12	EN
~SCMNH2	JIS
~SCMNH3	

Kemijski sastav

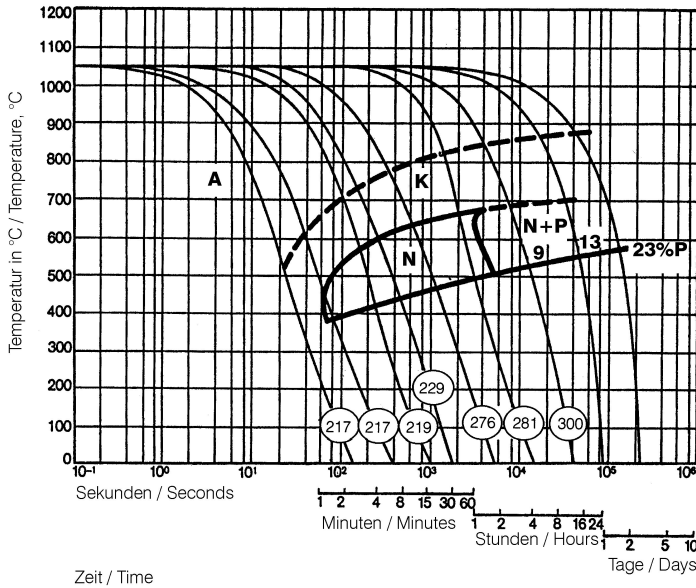
C	Si	Mn
1,23	0,40	12,50

Isporka

Air Quenched

Tvrdoća (HB)	max. 200 Approx. hardness value!! ; quenched from 1832 - 1922°F (1000 - 1050°C) - Air / Water
Vlačna čvrstoća (UTS) (MPa)	780 do 1130

Continuous cooling CCT curves



Austenitising temperature: 1050°C (1922°F)
Holding time: 15 minutes

O Vickers hardness
K... Grain boundary martensite
N... Acicular carbide
P... Pearlite

Fizička svojstva

Temperatura (°C)	20
Gustoća (kg/dm ³)	7,9
Toplinska vodljivost (W/(m.K))	13
Specifični toplinski kapacitet (kJ/kg K)	0,5
Spec. Otpornik (Ohm.mm ² /m)	0,68
Modul elastičnosti (10 ³ N/mm ²)	190

Toplinska ekspanzija

Temperatura (°C)	100	200	300	400	500
Toplinska ekspanzija (10 ⁻⁶ m/(m.K))	18,2	19,4	20,8	21,7	20,8

Long Products: For additional specifications and technical requirements, please contact our regional voestalpine BÖHLER sales companies.

Sheet & Plates: Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact voestalpine BÖHLER Bleche GmbH & Co KG.

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