

46CrSiMoV7

W.Nr. 1.2329

Properties

hot working tool steel
enduse = heated recipient casings; internal boxes; pressing punches

Chemical composition

C=0,42-0,47	Si=0,70-0,80	Mn=0,85-1,00	P=max.0,025	S=max.0,015
Cr=1,80-2,00	Mo=0,30-0,40	Ni=0,50-0,60	V=0,20-0,25	

DIN EN ISO 4957

Grade equivalents Similar grades

----- BS	----- GB	----- AFNOR	----- JIS	----- CSN
----- AISI / SAE	----- UNI	----- SS	----- GOST	----- UNE

General conditions

Heat treatment =+A DIN EN ISO 4957

Hardness max. 230 HB

Surface surface flaws / cracks if any are removed by polishing.
cleaning marks/scale pitting/peripheral decarburisation within
the standard machining allowance is allowed.

US test SEP 1921 group 3, class D/d or
EN 10228-3 quality grade 3, 100% scanning or
specific FBH eq.

Degree of Purity DIN 50 602, K4 max. 20

Microstructue soft annealed struture / fine / even

Hot rolled and/or forged, peeled and/or turned

Ø 10 – 853 mm

Tolerances - 0 / + 0,8 - 4,0 mm (dep. on dia) or specific tol.
Lengths 2,5 - 5,5 m or specific lengths ends of bars are sawn

Test certificate

EN 10204/3.1 with chem. Analysis; hardness HB ; heat treatment ; US test
(copy of original on our letter head !)

- supply range file - issued: 20.02.2009 rev. 1