

30CrNiMo8

W.Nr. 1.6580

General size range Ø 16 – 1000 mm

Chemical composition	C=0,26-0,34	Si=max.0,40	Mn=0,30-0,60	P=max.0,035	S=max.0,035
	Cr=1,80-2,20	Ni=1,80-2,20	Mo=0,30-0,50	Cu=max.0,30	Al=min.0,020

Grade equivalents Similar grades	823M30	-	30CND8	SNCM 431	-
	BS	GB	AFNOR	JIS	CSN
	-	30NiCrMo8	-	-	
	SAE	UNI	SS	GOST	

Hot rolled Ø 16–310 mm	Tolerances	EN 10060	or +/- 1,3% of dN	or specific tol.	
	Lengths	6 m +200/-0 mm	or 3 – 6 m	or specific lengths	
	Heat treatment	+QT EN 10083-3			
	Surface defects	EN 10221/B	or max. 1,5%	or specific value	
	US test	SEP 1921 3C/c	or EN 10308	or specific FBH eq.	

Forged black Ø 250–1000 mm	Tolerances	DIN 7527/6	or specific tol.	
	Lengths	3 – 6 m	or specific lengths	
	Heat treatment	+A EN 10250-3	or +N EN 10250-3	or +QT EN 10250-3
	Surface defects	max. ½ the tol.	or specific depth	
	US test	SEP 1921 3C/c	or specific FBH eq.	

Peeled Ø 16–100 mm	Tolerances	EN 10278 h9	or EN 10278 h11	or specific tol.	
	Lengths	6 m +200/-0 mm	or specific lengths		
	Heat treatment	+A h9/ h11			
	Surface defects	max. 0,2 mm	or specific depth		
	US test	SEP 1921 3C/c	or specific FBH eq.		

Forged turned Ø 250–850 mm	Tolerances	+3/-0 mm	or +4/-0 mm	or +5/-0 mm	or specific tol.
	Lengths	3 – 6 m	or specific lengths		
	Heat treatment	+A EN 10250-3	or +N EN 10250-3	or +QT EN 10250-3	or +QT SEW550
	Surface defects	technically free or specific depth			
	US test	SEP 1921 3C/c	or specific FBH eq.		

Other available products squares-flats forged, squares- flats forged and milled, square billets rolled, square billets CC cast

Mill's test certificate EN 10204/3.1 with all relevant data reg. chem. composition, mech. properties and results of testing

- supply range file - issued: 20.02.2009 rev. 1