

39NiCrMo3

UNI 7845

General size range Ø 16 – 1000 mm

Chemical composition	C=0,35-0,43	Si=0,15-0,40	Mn=0,50-0,80	P=max.0,035	S=max.0,035
	Cr=0,60-1,00	Mo=0,15-0,25	Ni=0,70-1,00	Cu=max.0,30	

Grade equivalents Similar grades	-	-	40NCD3	-	-
	BS	GB	AFNOR	JIS	CSN
	9840	36CrNiMo4	-	-	
	SAE	DIN	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	+A max. 240 HB	or +I 180-240HB	
	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 max. 240 HB	or +I 180-240 HB	
	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	or +I 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 max. 240 HB	or +I 180-240HB		
	Surface defects	technically free	or specific depth		
	US test	SEP 1921 3C/c	or specific FBH eq.		

Other available products	squares- flats-hexagons rolled, squares-flats forged, squares- flats forged and milled, square billets rolled, square billets CC cast
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Mill's test certificate	EN 10204/3.1 with all relevant data reg. chem. composition, mech. properties and results of testing
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- supply range file - issued: 24.04.2009 rev. 1