

# 34CrNiMo6

W.Nr. 1.6582

General size range      Ø 16 – 1000 mm

Chemical composition	<b>C=0,30-0,38</b>	<b>Si=max.0,40</b>	<b>Mn=0,50-0,80</b>	<b>P=max.0,025</b>	<b>S=max.0,035</b>
	<b>Cr=1,30-1,70</b>	<b>Ni=1,30-1,70</b>	<b>Mo=0,15-0,30</b>	<b>Cu=max.0,30</b>	<b>Al=min.0,020</b>

Grade equivalents Similar grades	<b>817M40</b>	<b>-</b>	<b>35NCD6</b>	<b>SNCM 447</b>	<b>16343</b>
	<b>BS</b>	<b>GB</b>	<b>AFNOR</b>	<b>JIS</b>	<b>CSN</b>
	<b>4340</b>	<b>35NiCrMo6</b>	<b>2541</b>	<b>38Ch2N2MA</b>	
	<b>SAE</b>	<b>UNI</b>	<b>SS</b>	<b>GOST</b>	

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

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

Forged turned      Ø 250–850 mm	<b>Tolerances</b>	+3/-0 mm	or +4/-0 mm	or +5/-0 mm	or specific tol.
	<b>Lengths</b>	3 – 6 m	or specific lengths		
	<b>Heat treatment</b>	+A EN 10250-3	or +QT EN10250-3	or +QT SEW550	
	<b>Surface defects</b>	technically free	or specific depth		
	<b>US test</b>	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