

# 18NiCrMo5

UNI 7846

General size range      Ø 16 – 1000 mm

Chemical composition	<b>C=0,15-0,21</b>	<b>Si=0,15-0,40</b>	<b>Mn=0,60-0,90</b>	<b>P=max.0,035</b>	<b>S=max.0,035</b>
	<b>Cr=0,70-1,00</b>	<b>Mo=0,15-0,25</b>	<b>Ni=1,20-1,50</b>	<b>Cu=max.0,30</b>	

Grade equivalents Similar grades	<b>815M17</b>	<b>-</b>	<b>18NCD6</b>	<b>-</b>	<b>-</b>
	<b>BS</b>	<b>GB</b>	<b>AFNOR</b>	<b>JIS</b>	<b>CSN</b>
	<b>-</b>	<b>17NiCrMo6-4</b>	<b>-</b>	<b>-</b>	
	<b>SAE</b>	<b>DIN</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 max. 240 HB	or +FP 149-207HB	or +AC max. 207 HB
	<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 max. 240 HB	or +FP 149-207 HB
	<b>Surface defects</b>	max. ½ the tol.	or specific depth
	<b>US test</b>	SEP 1921 3C/c	or specific FBH eq.

Peeled      Ø 16–100 mm	<b>Tolerances</b>	EN 10278 h9	or EN 10278 h11	or specific tol.
	<b>Lengths</b>	6 m +200/-0 mm	or specific lengths	
	<b>Heat treatment</b>	+A h9/ h11	or +FP h9/ h11	
	<b>Surface defects</b>	max. 0,2 mm	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 max. 240 HB	or +FP 149-207HB		
	<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-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