



QUALITY	16NiCr4 - 16NiCrS4	W.NR 1.5714 1.5715
REFERENCE NORM HOT ROLLED STEEL PRODUCTS		ISO 683-3
REFERENCE NORM BRIGHT STEEL PRODUCTS		UNI EN 10277

CHEMICAL COMPOSITION (%)

	C	Si	Mn	P (max.)	S (max)	Cr	Ni	Cu (max)
16NiCr4	0,13 ÷ 0,19	0,15 ÷ 0,40	0,70 ÷ 1,00	0,025	0,035	0,60 ÷ 1,00	0,80 ÷ 1,10	0,40
16NiCrS					0,020 ÷ 0,040			

Steels with improved machinability due to increased S content by up to around 0.10% or addition of Pb on request. Where

MECHANICAL PROPERTIES HOT ROLLED STEEL PRODUCTS (ISO 683-3)

(+A) ANNEALED		(+N) NORMALIZED	
Hardness (HBW)			
Max		Min	Max
217		-	-

MECHANICAL PROPERTIES BRIGHT STEEL PRODUCTS (UNI EN 10277)

	(+A +SH) ANNEALED + PEELED	(+A +C) ANNEALED + COLD DRAWN
Size (mm)	Durezza (HBW) Max.	
5 ≤ t ≤ 10		270
10 < t ≤ 16		260
16 < t ≤ 40	217	255
40 < t ≤ 63	217	255
63 < t ≤ 100	217	255

Jominy test values HRC (ISO 683-1)

Distance from ends mm	1,5	3	5	7	9	11	13	15	20
MAX	47	46	44	42	40	38	36	34	32
MIN	39	36	33	29	27	25	23	22	20

Distance from ends mm	25	30	35	40
MAX	30	29	28	28
MIN				

Indicative values based on current regulations.