



# HK30

composition  
after sintering  
standards

C%	Cr%	Ni%	Nb%	Si%	P%	S%	Fe%
0.2-0.5	24.0-26.0	19.0-22.0	1-1.75	0.75-1.3	≤0.045	≤0.015	balance

Nb-modified UNS 94203, ACI HK30; DIN 1.4848, GX40CrNiSi25-20

Characteristic  
Properties  
(Typical values are  
shown in bracket)

	Sintered in N <sub>2</sub>	Sintered in Ar
Density\g/cm <sup>3</sup>	≥7.6(7.7)	≥7.55(7.65)
Yield Strength R <sub>P0.2</sub> \Mpa	≥420	≥250
Ultimate Tensile Strength\Mpa	≥750	≥600
Elongation\%	≥11	≥20
Hardness	surface≥220 HV1	150 HV1
	core≥170 HV1	