



420W

composition
after sintering

C%	Cr%	Ni%	Mo%	Mn%	Si%	Nb%	P%	S%	Fe%
0.35-0.5	12.0-14.0	≤0.6	≤0.65	≤1.0	≤1.0	1.0-2.0	≤0.04	≤0.03	balance

standards

Nb-modified SUS 420-J2, AISI 420F, UNS S42020. UNS J91154, DIN 1.4028,X30 Cr13

Characteristic
Properties

	as sintered	Heat-treated
Density\g/cm ³	≥7.6	
Yield Strength R _{P0.2} \Mpa	≥1100	≥1200
Ultimate Tensile Strength\Mpa	≥1300	≥1750
Elongation\%	≥1.0	≥1.0
Hardness\HRC	≥45	≥55