



# FN08

composition  
after sintering

Sinter-atmosphere	C%	Ni%	Fe%
H2	≤0.1	7.5-8.5	balance
N2	0.4-0.6	7.5-8.5	balance

Characteristic Properties	Sintered in H <sub>2</sub>	sintered in H <sub>2</sub> and case hardened	sintered in N <sub>2</sub>	sintered in N <sub>2</sub> and heat-treated
	Density\g/cm <sup>3</sup>	≥7.5		≥7.5
Yield Strength R <sub>p0.2</sub> \Mpa	≥210		≥400	≥1100
Ultimate Tensile Strength\Mpa	≥380		≥700	≥1250
Elongation\%	≥15		≥3	≥3
Hardness 140	90- HV10	≥600HV10	150-280 HV10	400 HV10(40RC)