



303

composition
after sintering

C%	Cr%	Ni%	Si%	Mn%	P%	S%	Fe%
≤0.15	17.0-19.0	8.0-10.0	≤1.0	≤2.0	≤0.2	≥0.15	balance

standards

AISI 303

as sintered

Characteristic
Properties
(Typical values are
shown in bracket)

Density\g/cm³

≥7.6

Yield Strength R_{P0.2}\Mpa

≥160 (180)

Ultimate Tensile Strength\Mpa

≥530 (580)

Elongation\%

≥40 (50)

Hardness\HV0.3

120-180