

AIRBLAST-ABRASIVES

Stainless Steel Cut Wire



AIRBLAST



Product and Applications

Stainless Steel Cut Wire is used for cleaning and peening applications where ferrous contamination can't be tolerated. It produces a very bright surface, maintains its shape longer than cast abrasives and it produces a dust-free surface. Stainless Steel Cut Wire is available as cut or conditioned and with various chemical compositions.

Chemical composition

AISI 410:

C (%)	Mn (%)	Si (%)	Cr (%)	Ni (%)	P (%)	S (%)	Cu (%)	N (%)
0.018	0.38	0.3	12.2	0.1	0.016	0.001	0.03	0.02

AISI 430:

C (%)	Mn (%)	Si (%)	Cr (%)	Ni (%)	P (%)	S (%)	Cu (%)	N (%)
0.11	0.38	0.3	16.15	0.1	0.016	0.001	0.03	0.02

AISI 202:

C (%)	Mn (%)	Si (%)	Cr (%)	Ni (%)	P (%)	S (%)	Cu (%)	N (%)
0.88	10.7	0.7	17.08	4.15	0.036	0.028	0.04	0

AISI 205:

C (%)	Mn (%)	Si (%)	Cr (%)	Ni (%)	P (%)	S (%)	Cu (%)	N (%)
0.105	15.4	0.52	12.7	2.06	0.029	0.028	0.03	0

AISI 304:

C (%)	Mn (%)	Si (%)	Cr (%)	Ni (%)	P (%)	S (%)	Cu (%)	N (%)
0.065	1.1	0.6	18.03	8.02	0.036	0.012	0	0.04

Physical properties

Grain shape	: Cylindrical or round
Hardness	: 308-509 HV (depending on size & grain shape)
Tensile intensity	: 490-1520 Mpa
Microstructure	: AISI 304: Deformed Austenite AISI 430/410: Deformed Ferrite
Density	: 7.8 g/cm ³
Bulk density	: 4.5 g/cm ³

Sizes

0.3 mm	0.9 mm	1.5 mm
0.4 mm	1.0 mm	1.6 mm
0.5 mm	1.1 mm	1.7 mm
0.6 mm	1.2 mm	1.8 mm
0.7 mm	1.3 mm	1.9 mm
0.8 mm	1.4 mm	2.0 mm

Other sizes on request

Packaging

- 25 kg bags on a pallet (max. 1000 kgs.)
- 1000 kg in big bag