



STEEL CUT WIRE

BLAST & PEEN SERVICES PTE LTD

11 Tuas South Link 1

#03-18 SHINE@TUAS SOUTH | Singapore 636901

Office Phone
+65 8811 1883

Handphone
+65 9850 0121

Email Address
sales@bnp.com.sg

Website
www.bnp.com.sg



DESCRIPTION

Steel Cut Wire is produced by cutting steel wire into pellets, the length equal to the diameter of the wire. Steel Cut Wire is an alternative to cast steel shot for blast cleaning and shot peening applications.

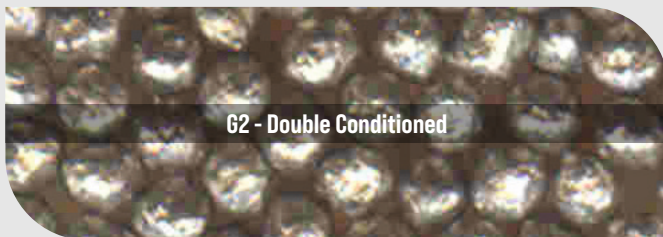
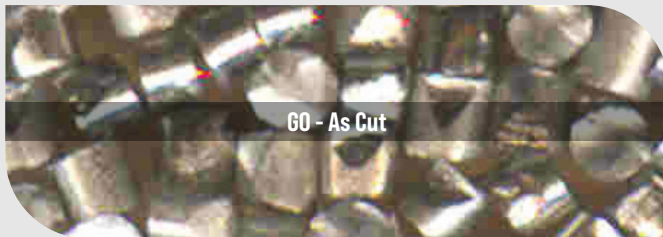
Steel Cut Wire is available as cut and in three degrees of conditioning; G1, G2 and G3. Due to the inherent solidity of each particle, Steel Cut Wire has up to three times greater durability and life than comparable size and hardness cast steel shot

APPLICATION

Shot peening of metallic parts particularly in the aerospace and automotive industries, ie coils springs, leaf springs, engine components and transmission components.

Shot peening of components requiring high peening intensities and or manufactured from high strength steels, ie case hardened gears and cold formed springs.

Descaling, coating removal, surface preparation, deburring and etching of steel items prior to the application of a coating.



Size Details

Shot No.	CSCW0.4	CSCW0.5	CSCW0.6	CSCW0.7	CSCW0.8	CSCW0.9	CSCW1.0
Size in mm	0.4	0.5	0.6	0.7	0.8	0.9	1.0

Shot No.	CSCW1.2	CSCW1.4	CSCW1.6	CSCW1.8	CSCW2.0	CSCW2.5
Size in mm	1.2	1.4	1.6	1.8	2.0	2.5

Shape

G0	G1	G2	G3
As cut	Conditioned	Double conditioned	Spherical conditioned

Specifications

AMS-2431/3	AMS-2431/8	AMS-S-13165	SAE-J441	MIL-S-851D	GE D 50 TF 11
------------	------------	-------------	----------	------------	---------------

Hardness

HV	450 - 510	530 - 590	610 - 670	640 - 700	670 - 730
HRC	~ 45 - 50	~ 50 - 55	~ 55 - 60	~ 58 - 63	~ 60 - 65

Physical Properties

Specific Gravity	Bulk Density	Colour
7.7 g/cm ³	~ 4800kg/m ³	Silver

Typical Chemical Composition

Carbon	Silicon	Manganese	Phosphorus	Sulfur
0.45 - 0.85%	0.15 - 0.35%	0.3 - 1.3%	≤0.045%	≤0.05%