



# STAINLESS STEEL CUT WIRE SIZE COMPARISON SHEET



for Stainless Steel Cut Wire made of **GRADE AISI 302/304\*** and **AISI 430**

Vulkan-Inox	SHOT SIZE	ERVIN	Mild Steel SHOT	Mild Steel GRIT	CUT WIRE		CUT WIRE	
Designation	blend	AMA	Equivalent Size	Equivalent Size	SAE		SAE	
Chronital	[ mm ]	CAST	for Cast Shot	for Grit	J441	[mm]	J441	[mm]
S 10	0.05 - 0.2	----	not available	G -120	<b>GRADE AISI 302/304*</b> CWS		<b>AISI 430</b> CWS	
S 20	0.1 - 0.3	ES 180	S - 70	G - 80	12	0.30	14	0.35
S 20 G		ES 300			14	0.35	17	0.40
S 30 & S 30 G	0.14 - 0.5		S - 110	G - 50	17	0.40	20	0.50
S 40 F	0.40 - 0.71	ES 450	S -170		20	0.50	23	0.60
S 40	0.4 - 0.8	ES 600	S - 170/ S - 230	G - 40	23	0.60	28	0.70
S 40 G	0.63 - 0.85				28	0.70	32	0.80
S 50	0.6 - 1.0	ES 750	S - 230	G - 25	32	0.80	35	0.90
S 60	0.7 - 1.25		S - 280	G - 18	35	0.90	41	1.00
S 100	1.00 - 1.40	ES 1200	S -390	G - 16	35	0.90	47	1.20
S 150	1.25 - 1.7	----	S - 460	G - 14	47	1.20	54	1.40
S 200	1.4 - 2.0	----	S - 550	G - 12	54	1.40	62	1.60
S 300	1.7 - 3.0	-----	S - 660	G - 10	62	1.60	62	1.60
					79	2.00	98	2.50

\* for other grades, the compatible sizes will be slightly different:

**RULE of THUMB:** for **SS CW** made of Grade **AISI 430**, the compatible cut wire shot is one size coarser.  
( for **Chronital S 40** for instance, we take size **0.6 mm ( CWS 23 )** in Grade **AISI 302/304** and **0.7 mm (CWS 28)** for Grade **AISI 430**;

\*\*\* No 40 / ES 600 are the most common sizes being in use for shot blasting of Al-die casting parts and can be replaced by the respective sizes acc. to **SAE J 441** in **CWS** at significant lower over-all cost, if Stainless Steel is required.

For special application, we are capable and flexible to cut the pellets in special **diameter/length** ratios

### Use of the size Comparison Sheet

In particular in the case of stainless steel shot in the case of shot made by Ervin, ( AMA CAST ) we need to evaluate the corresponding size for SS CW individually, upon analysis of the application and the objective for this particular application !

All these data to be used as a general information to achieve a quick overview about competitors size definitions.

### Quality Attestation

Stainless steel cut wire is made of **stainless steel grades** that are internationally compatible and specified, in contrary to the unspecified various chem. compositions of several different kind of cast stainless shot. Arsenic, Antimony, Sulfur Phosphorus and all other trace elements are limited acc. to international regulation.



**The leading specialists in any kind of cut wire media for Shot Blasting and Shot Peening**

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