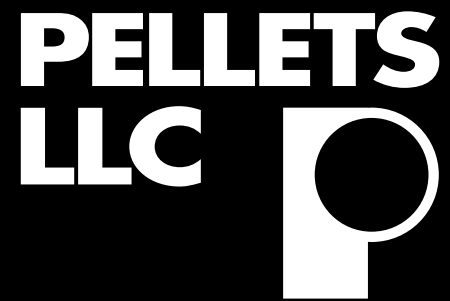


# CUT WIRE SHOT PRODUCTS



**PREMIUM BLASTING MEDIA** - long lasting, low dust, precise sizing.

Made from stainless steel, carbon steel, pure zinc, aluminum, copper, and nickel wire, our product can be purchased as-cut (cylindrical with sharp edges) or conditioned (rounded to a sphere). Cut Wire Shot is the media of choice for peening, cleaning, tumbling, and vibratory finishing. It is widely used in wheel blast equipment.



**Stainless Steel -**  
Conditioned



**Carbon Steel -**  
As-Cut



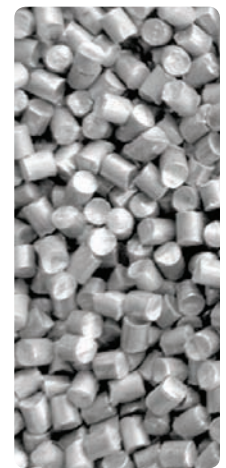
**Aluminum -**  
As-Cut



**Copper -**  
As-Cut



**Zinc -**  
As-Cut



**Nickel -**  
As-Cut

## SPECIFICATIONS

MATERIAL	SIZES	WIRE	ROCKWELL HARDNESS SCALE	VICKERS HARDNESS SCALE
<b>Stainless Steel</b>	.012" - .125" (.30mm - 3.2mm)	Type 302/304 Spring Wire Class I 316 & 430 Alloy Wire	50 - 58 C 30 - 35 C	513 - 653 302 - 345
<b>Carbon Steel</b>	.012" - .125" (.30mm - 3.2mm)	Carbon Spring Wire 1070 Class I Carbon Spring Wire 1070 Class II	45 - 55 C 55 - 62 C	446 - 595 595 - 746
<b>Aluminum</b>	.030" - .1850" (.76mm - 4.7mm)	Various Alloys (1100, 4043, 5356, etc.)	40 - 70 B	N/A
<b>Copper</b>	.020" - .125" (.50mm - 3.2mm)	Commercial Quality Pure Copper Grade 102 - 110	20 - 65 B	N/A
<b>Zinc</b>	.030" - .125" (.76mm - 3.2mm)	Commercial Quality Pure Zinc Special High Grade Zinc (99-99.5%)	20 - 30 B	N/A
<b>Nickel</b>	.020" - .1875" (.50mm - 4.8mm)	Inconel 625 Nickel 200 Various Alloys	20 - 40 B 62 - 82 B 20 - 80 B	N/A 105 - 150 Various

# IN STOCK AND READY TO DELIVER!

## CUT WIRE SHOT APPLICATIONS AND SPECS

### Stainless Steel 302/304 Alloy Cut Wire Shot

**Applications:** Prevents ferrous contamination when blasting or peening stainless steel, titanium, aluminum, or other non-ferrous work objects.

**Specs:** Available in conditioned form with certification to aerospace specification AMS 2431/4. Has a Rockwell C hardness of 50 - 58 HRC.

### Stainless Steel 430 Alloy Cut Wire Shot

**Applications:** Preparing aluminum for paint and on aluminum die castings for deflashing and finishing.

**Specs:** Like 302/304 Alloy Stainless, prevents ferrous contamination but is softer (30 - 35 HRC) and much less expensive.

### Carbon Steel Cut Wire Shot

**Applications:** Surface improvement, deburring, descaling, shot blasting, and peening of metal parts.

**Specs:** Available in regular spring-wire grades yielding a hardness of 45 to 55 HRC and in special high-carbon grades of 55 to 62 HRC. We can supply to meet AMS 2431/3 and 2431/8 aerospace specifications.

### Aluminum Cut Wire Shot

**Applications:** Cleaning aluminum or other non-ferrous castings that require a brighter finish while still removing parting lines or other blemishes.

**Specs:** Mixed grades 4043 and 5053 yield middle B range Rockwell hardness (approx. 40); alloy 5356 will yield higher range hardness (50 to 70).

### Copper Cut Wire Shot

**Applications:** Primarily to clean orpeen parts and components where conductivity is important and cannot be interfered with; for paint removal on electrical components and tooling.

**Specs:** Highly durable and features uniform hardness and dimensionality. Available in a wide range of hardness levels.

### Zinc Cut Wire Shot

**Applications:** Deburring aluminum die castings, removing flash up to .020", stripping paint and removing coatings without damaging substrates (tooling, paint hooks, etc.).

**Specs:** Very low Rockwell B hardness of 20 - 30 HRB. By leaving a very fine film layer on work objects, zinc provides additional corrosion protection.

### Nickel Cut Wire Shot

**Applications:** Unique customer application involving heat absorption and other special applications.

### SIZES & CAST SHOT EQUIVALENTS

Cut-wire size (in.)	Cut-wire size (mm)	Equivalent Cast Shot Size
.012	0.30	S-70
.014	0.35	S-110
.017	0.45	S-110
.020/.023	0.50/0.60	S-170
.028	0.70	S-230
.032/.035	0.80/0.90	S-280
.035/.041	0.90/1.00	S-330
.041/.047	1.00/1.20	S-390
.054	1.40	S-460
.062	1.60	S-550
.080	2.00	S-660
.090	2.25	S-780
.125	3.20	S-1110

### SPECIFICATIONS

Our Cut Wire Shot is certifiable to the following industry specifications:

- AMS 2431 /3
- AMS 2431 /4
- AMS 2431 /8
- AMS-S-13165C
- SAE J441
- VDF 8001



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fax 716.693.1880

50 lbs. to 20,000 lbs. can be shipped from inventory on short notice - to anywhere in the world.

Pellets LLC maintains a large inventory of blasting media and generally ships the same day an order is received. We can also consult with you on your blasting needs.

[www.pelletsllc.com](http://www.pelletsllc.com)