

• PELLETS •

Cut Wire Shot & Blasting Abrasives

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
Stainless Steel	.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
Carbon Steel	.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
Aluminum	.030" - .1850" (.76mm - 4.7mm)	Various Alloys (1100, 4043, 5356, etc.)	40 - 70 B	N/A
Copper	.020" - .125" (.50mm - 3.2mm)	Commercial Quality Pure Copper Grade 102 - 110	20 - 65 B	N/A
Zinc	.030" - .125" (.76mm - 3.2mm)	Commercial Quality Pure Zinc Special High Grade Zinc (99-99.5%)	20 - 30 B	N/A
Nickel	.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

PELLETS
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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.