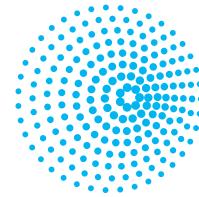


Technical Data Sheet

Stainless-Steel Cut Wire Shots



TOCO
ADDING VALUE TO SURFACE

Cut Wire Shots are precision-engineered metallic abrasives made by cutting steel or stainless-steel wire into uniform lengths. Their angular shape delivers a more aggressive cleaning and peening action than spherical steel shots, making them ideal for deburring, rust and scale removal, and surface preparation. With consistent size, hardness, and durability, they provide uniform results across complex surfaces and are widely used in automotive, aerospace, and engineering industries.

Stainless Steel Cut Wire Shots are manufactured from high-grade stainless steel wire to ensure superior cleanliness, strength, and dimensional accuracy. Each shot retains its shape and performance over multiple cycles, making it ideal for precision blasting, cleaning, and peening. The non-rusting nature of stainless steel enables a cleaner blasting process with minimal dust and extended media life, ensuring consistent results and reduced operational costs.

Suitable for stainless steel, aluminum, titanium, and other non-ferrous materials, these shots eliminate the risk of ferrous contamination, preventing corrosion or discoloration on treated surfaces. With their reliability, longevity, and high-quality finish, Stainless Steel Cut Wire Shots are the preferred choice for industries demanding superior surface integrity and appearance.



Stainless Steel Cut Wire Shots

Chemistry and Mechanical Properties of Stainless-Steel Cut Wire Shots

SPECIFICATION STAINLESS-STEEL CUT WIRE SHOTS			
Chemical Composition	300 Series	200 Series	400 Series
Carbon:	0.08% max	0.15% max	0.15% max
Manganese:	2.00% max	10.00% max	1.00% max
Silicon:	1.00% max	1.00% max	1.00% max
Sulphur:	0.03% max	0.03% max	0.03% max
Phosphorus:	0.045% max	0.06% max	0.04% max
Nickle:	8% min	4% min	0.75% max
Chromium:	18% min	16% min	18% max
Hardness	400 HV - 500 HV	400 HV- 500 HV	350 HV - 400 HV
Microstructure	AUSTENITE	AUSTENITE	FERRITE / MARTENSITE
Hardness Deviation	Max. Deviation \pm 30 HV		
Size	0.20mm to 2.50mm		
Shape	AS-CUT SCW (SINGLE CONDITIONED CUT WIRE) DCCW (DOUBLE CONDITIONED CUT WIRE) SCCW (SPHERICAL CONDITIONED CUT WIRE)		

MANUFACTURING STANDARD

SAE J441

VDFI 8001

AMS 2431

Benefits of using Stainless Steel Cut Wire Shots:

Cut wire shots, which are small, round pieces of metal wire, offer several benefits when used in various applications. Here are some key advantages:

- Improved Surface Finish
- Enhanced Durability
- Reduced Workpiece Damage
- Reusability
- Controlled Abrasive Action
- Environmental Benefits
- Versatility
- Less Wear on Equipment
- Consistent Quality
- Effective Cleaning
- No ferrous contamination
- Improved adhesion

Applications:

- Aluminium Casting
- Investment Casting
- Brass Components
- Tube Cleaning
- Stainless Steel Casting
- Automotive & Aerospace Industry
- Shot Peening
- Medical/Surgical Instruments
- Electrical assemblies

SAFETY



Protective



Gloves



Mask



PACKAGING (Standard)



Bags
25 kg



Big Bag
1000 kg



Drum
1000 kg



Pallet
1000 kg

STORAGE



Keep
Dry

CERTIFICATIONS & SYSTEM APPROVALS

