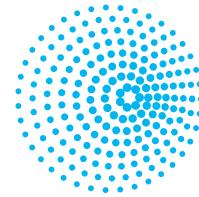


Technical Data Sheet

Zinc 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.

Zinc Cut Wire Shots are specially designed for the cleaning, deburring, and surface preparation of non-ferrous and delicate components such as aluminum, brass, and die-cast parts. Manufactured from high-purity zinc wire, they deliver efficient cleaning without causing ferrous contamination or distortion to softer substrates.

During blasting, zinc particles form a thin protective layer on the treated surface, offering temporary corrosion resistance and creating an excellent base for painting, coating, or plating. Their gentle yet effective abrasive action ensures smooth finishes, reduced substrate wear, and an overall improvement in process quality and component life.



Zinc Cut Wire Shots

Chemistry and Mechanical Properties of Zinc Cut Wire Shots:

SPECIFICATION ZINC CUT WIRE SHOTS	
Chemical Properties	Min. 99.99% high-grade Zinc
Sizes	0.60 mm to 2.50 mm
Microstructure	Deformed α
Hardness Range	45 – 50 hv
Density	$\sim 6.8 \text{ g/cm}^3$
Shapes	As-Cut, G1 (Conditioned Cut Wire), G2 (Double Conditioned Cut Wire), G3 (Spherical Conditioned Cut Wire)

Advantages of using Zinc Cut Wire Shots:

- Non-ferrous and non-contaminating
- Gentle cleaning action on soft metals
- Reduced risk of substrate damage
- Provides electrochemical (galvanic) protection
- Corrosion-resistant surface finish
- Low dust generation during blasting
- Excellent recyclability and reusability
- Uniform surface finish quality
- Lower consumption rate compared to softer abrasives
- Environmentally friendly alternative to chemical cleaning

Applications:

- Deburring of aluminum and zinc die castings
- Surface cleaning of non-ferrous components
- Paint and coating removal
- Galvanic (zinc) surface preparation
- Deflashing of plastic and rubber molds
- Corrosion protection blasting
- Shot peening of soft metal parts
- Restoration of automotive and aerospace components
- Cleaning of turbine blades and housings
- Preparation for electroplating or powder coating

SAFETY	PACKAGING (Standard)				STORAGE
					
Protective	Gloves	Mask	Bags 25 kg	Big Bag 1000 kg	Drum 1000 kg
					
					
		CERTIFICATIONS & SYSTEM APPROVALS			
					