



UFS Ultra Fine Shot

Ultra Fine Shot for high precision peening, descaling and deburring applications

Ultra fine high-carbon steel shot dedicated to precise shot peening and shot blasting applications.

A high hardness level (> 700 Hv) ensures great energy transfer and a high rebound capacity, while the highly spherical shape and small size ensure full respect of the geometry and surface integrity of blasted parts.



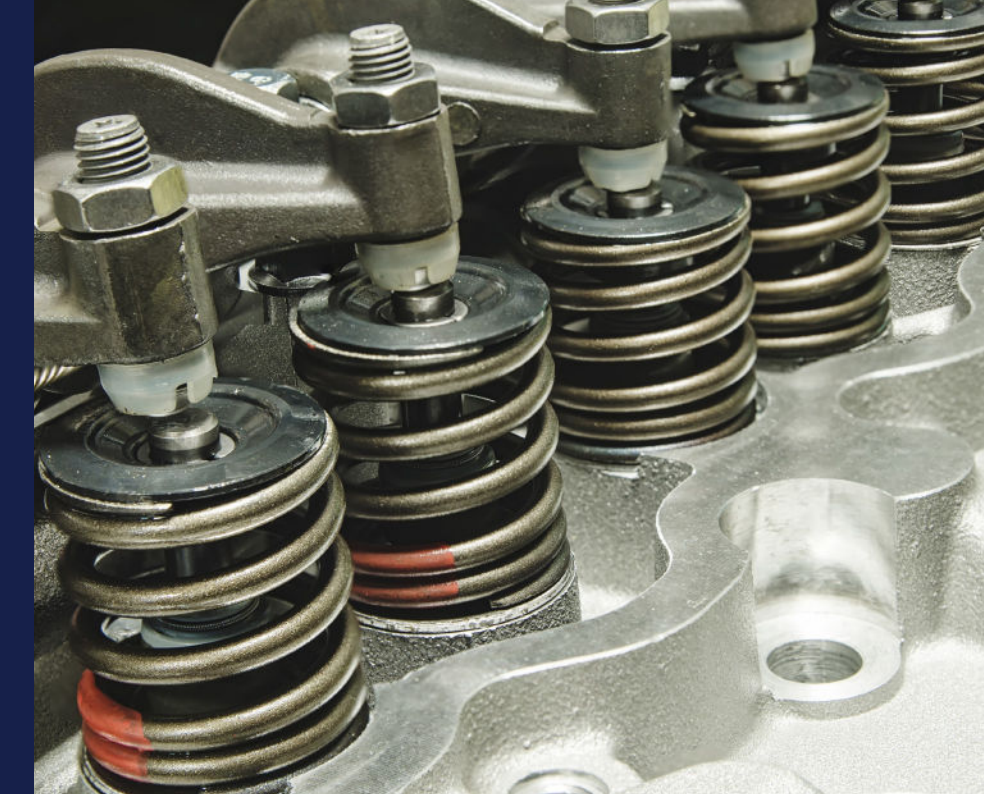
Long life



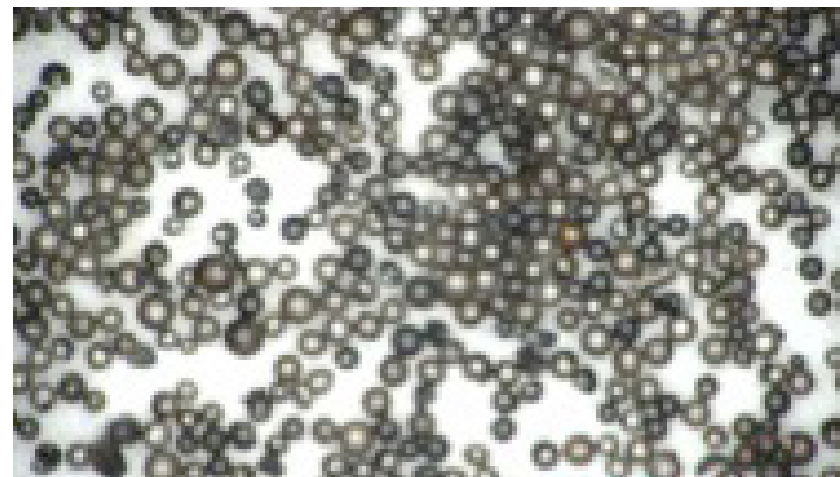
High sphericity



Ultra fine size



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USERS BENEFITS

#1 Performance

UFS achieves high level of residual stresses in the near-surface region and is particularly suitable for double-peening applications. It is also particularly suitable to deburr and descale sensitive components such as screws and cutting tools.

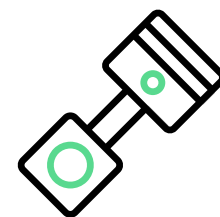
#2 Cost-efficiency

Thanks to a proprietary production process, UFS last 50% longer than conventional products available on the market, leading to a 30% decrease of the total blasting cost.

#3 Innovation

UFS can enhance surface characteristics such as frictional properties, wear resistance, stress corrosion cracking resistance, antimicrobial activity, and many others...

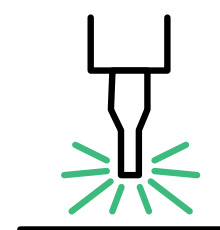
MARKETS AND APPLICATIONS



Engine parts
(valve springs, piston heads,...)



Transmission parts
(gears, CVT belts, pulleys, bearings...)

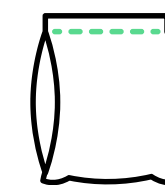


Tools
(drilling tools, cutting tools, screws, molds...)

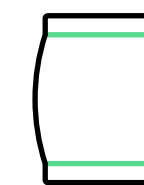
SPECIFICATIONS

Product name	UFS
Average size	50 µm, 100 µm
Hardness	> 60 HRc > 700 Hv
Density	> 7 g/cm ³
Chemical	Carbon: 0.40 min to 1.10 max Silicon : < 1.30 Manganese : < 1.00 Phosphorus : < 0.05 Sulfur : < 0.05
General shape	Spherical

Packaging



BAGS
20 kg
1,000 kg (2,205 lbs)
per pallet (= 50 bags)



DRUM
700 kg - 50 µm
750 kg - 100 µm

W Abrasives
by Wino

