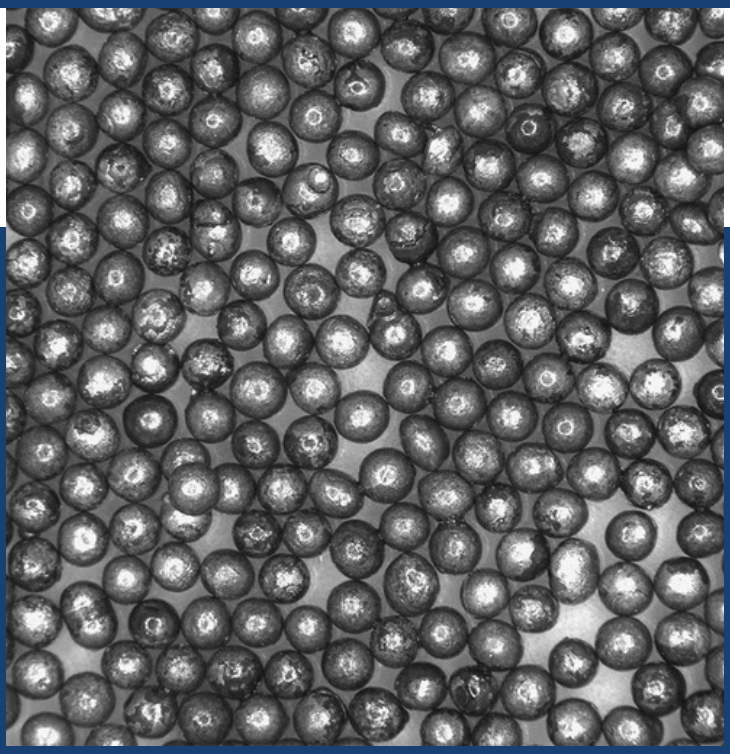
PARMADAR

ABRASIVE

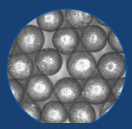
Ferrosad Low Carbon Steel Shot

Low carbon steel abrasive delivers exceptional durability and longevity with a crack-free, heat-treatment-free microstructure.

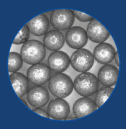


FERROSAD made from the finest steel

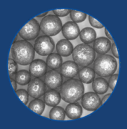
Low carbon steel abrasive offers exceptional durability and longevity thanks to its virtually crack-free structure. The optimised microstructure formed directly after granulation eliminates the need for subsequent heat treatment. In contrast, high carbon steel abrasives often develop surface cracks during atomisation due to their higher hardness. When subjected to the necessary heat treatment, these cracks can enlarge, further reducing performance and reliability.



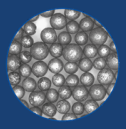
F 11 / S 930
2.80 – 3.15 mm



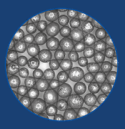
F 13 / S 780
2.00 – 2.80 mm



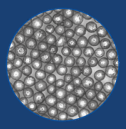
F 13–16 / S 660
1.80 – 2.60 mm



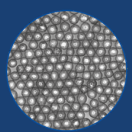
F 16 / S 550
1.50 – 2.20 mm



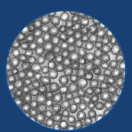
F 16–20 / S 460
1.20 – 1.80 mm



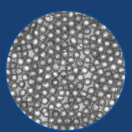
F 20 / S 390
1.00 – 1.60 mm



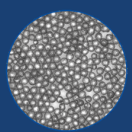
F 24 / S 330
0.80 – 1.20 mm



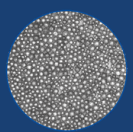
F 24–34 / S 280
0.70 – 1.10 mm



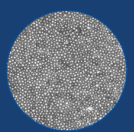
F 34 / S 230
0.60 – 0.90 mm



F 55G / S 170
0.50 – 0.80 mm



F 55F / S 110
0.30 – 0.60 mm



F 70 / S 070
0.20 – 0.40 mm

PARMADAR

Features

Micro-structure

The low-carbon steel abrasive is produced from high-quality steel scrap. Due to its low carbon content and its purity with regard to harmful elements such as phosphorus and sulphur, a predominantly bainitic structure is formed after the atomisation process, which has an optimum combination of hardness and toughness and is efficient, resistant and durable in operation.

Durability

Due to these properties, namely the material structure and the fact that the surface is largely free of cracks, many users have been able to reduce consumption significantly compared to other metallic abrasives, in some cases by more than 20%.

Major Industries & Applications

Blasting steel castings

Blasting iron castings

Casting non-ferrous metals

Chemical Analysis

C	ca. 0,10 %
Si	ca. 0,15 %
Mn	ca. 1,15 %
P	ca. 0,015 %
S	ca. 0,015 %

Hardness

HV1 IN ACCORDANCE WITH ISO 11125-3

When new	390 – 430 HV1
In operation	440 – 480 HV1
Bulk weight	4,35 – 4,55 kg/dm³

Depending on grain size

Packaging

25 kg × 40 bags on one standard pallet