

STAINLESS STEEL SHOT ALPHA



Stainless Steel Shot – Alpha is produced by means of a melting process and subsequently reshaped into spherical grain particles. Its austenitic microstructure guarantees its long service life. It is used where ferritic residue (rust film, coloration) needs to be avoided.

APPLICATIONS

- Reusable abrasive
- Sand removal
- Descaling
- Micro and structural blasting

BLASTING SYSTEMS

- Pressure blast systems
- Airless blast-cleaning equipment

Typical physical properties

Hardness of the new grain	approx. 20 HRC (235 HV)
Hardness in operating mixture	approx. 45 HRC (460 HV)
Grain shape	spherical
Melting point	approx. 1450 - 1500°C
Density	approx. 7,0 g/cm ³
Bulk density (depending on granular size)	approx. 3,8 - 4,6 g/cm ³
Microstructure	austenitic

Typical chemical analysis

Cr	16,00 - 20,00 %
Ni	7,00 - 9,00 %
Si	1,80 - 2,20 %
Mn	0,70 - 1,20 %
C	0,05 - 0,20 %

Packaging

25 kg bags on pallet up to 1 ton
1 ton loose in big bag

Available sizes

Description	Average grain size (mm)
ALPHA 010	0,0 - 0,2
ALPHA 020	0,1 - 0,3
ALPHA 030	0,2 - 0,4
ALPHA 040	0,4 - 0,9
ALPHA 050	0,6 - 1,0
ALPHA 060	0,7 - 1,2
ALPHA 090	0,9 - 1,4
ALPHA 100	1,0 - 1,7
ALPHA 150	1,2 - 2,4
ALPHA 200	1,7 - 3,4

Other grain sizes can be produced if required.

