



## Stainless Steel Shot – CrNi

Stainless Steel Shot – CrNi 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	+/- 20 HRC (235 HV)
Hardness in operating mixture	+/- 45 HRC (460 HV)
Grain shape	spherical
Melting point	approx. 1450 – 1500 °C
Density	approx. 7,0 g/cm <sup>3</sup>
Bulk density <small>depending on granular size</small>	approx. 3,8 – 4,6 g/cm <sup>3</sup>
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.



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Rev. 31.07.2009