



ABRASIVE

Winoa Steel Shot

W Abrasives™ reliable, quality, high carbon steel shot, that exceeds the topmost manufacturing standards



Winoa's steel shot, manufactured under strict conditions and a unique tempering process, allows you to obtain a high carbon cast abrasive shot with optimal resilience, low chlorides & conductivity and high fatigue resistance. Used mainly in shot blasting applications, from desanding in foundries to descaling in steel mills, the HC steel shot will meet your most demanding needs.

Performance

- 48 HRC Hardness – for optimal performances:** With a hardness of 48 HRC, W Abrasives' shot strike the right balance between consumption and efficiency: an amount of impact energy large enough to do the cleaning job desired, while being just soft enough to reduce the wear of the machine and media consumption.
- Consistent surface finish:** Formulated with a narrow hardness range, which equates for your production process a more consistent, stable and reliable cleaning results.
- Reduced risk of coating failure:** With the chloride and salt levels below 50 $\mu\text{S}/\text{cm}$, you are sure to reduce the possibility of surface contamination due to your abrasive, ensuring increased longevity of the coatings.
- SP version for High impact and Peening:** Specific hardness are available for some hard to clean and peening applications. Typical targetted hardness are: 54 RHC and 58 RHC.

Features

- 100% Recyclable:** Environmentally friendly steel shot blasting abrasive, crafted from high carbon steel to ensure enduring efficiency. Embrace sustainability without sacrificing performance.
- Air Quenched:** Enduring resilience with Winoa's thermally toughened steel shot. Through a thermal process, the high carbon shot optimises cleaning results, delivering long-lasting strength for your applications.
- Globally Available:** Depend on the steel shot for universal availability, ensuring a steadfast and reliable source for all your cross-continental surface preparation requirements.



Major Industries & Applications

Foundries

Forges

Steel mills

Automotive

Chemical Analysis (WT%)

Carbon	0.8 - 1.2
Manganese	0.35 - < 1.0
Silicon	> 0.4
Sulfur	< 0.05
Phosphorus	< 0.05

Hardness (HRC)

Shot	40 - 51
(peening)	40 - 65

Microstructure

Fine and uniform (tempered) martensite

Density (g/cm³)

Shot	7.0 min.
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Available Sizes

25 kg × 40 bags on one standard pallet

Size Distribution

Product	Sieve (µm)															
	2800	2360	2000	1700	1400	1180	1000	850	710	600	500	425	355	300	180	125
S780	0		>85	>97												
S660		0		>85	>97											
S550			0		>85	>97										
S460				0	<5		>85	>96								
S390					0	<5		>85	>96							
S330						0	<5		>85	>96						
S280							0	<5		>85	>96					
S230								0	<10		>85	>97				
S170									0	<10			>85	>97		
S110										0	<10				>80	>90
S70											0	<10			>80	>90
ASTM Sieve No.	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120