



# HC STEEL SHOT

Reliable, quality high carbon steel media that exceeds the topmost manufacturing standards

Manufactured under strict conditions and a unique quenching process, you get an abrasive having optimum resilience, low chloride conductivity and high resistance to fatigue. Used primarily in blasting applications, for desanding in foundries to descaling in steel mills, our steel shot will meet your most demanding needs.



100% Recyclable & 100% reusable



Air quenched



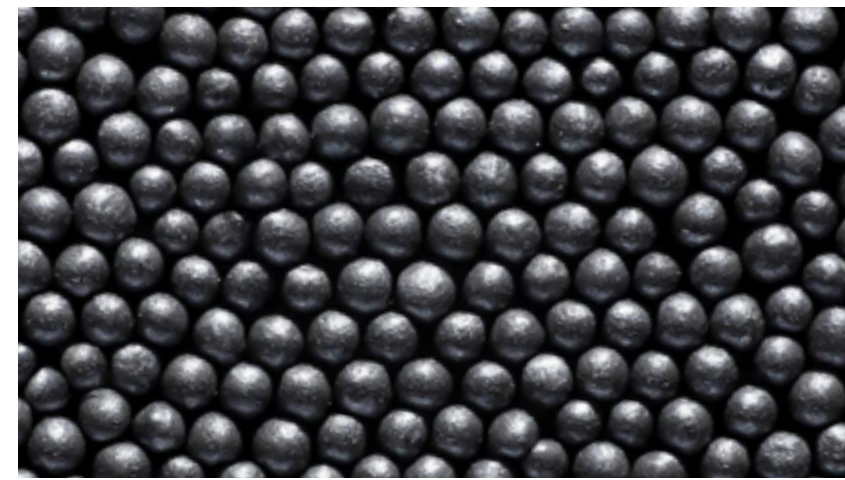
Globally available



cleaning



preparing



## USERS BENEFITS

### #1 Quality

- State of the art atomizing technologies and highly controlled and unique air quenching process ensuring minimal defects, voids and cracks.
- High spherical shot for reduced machine wear and high bouncing properties
- Fine and homogeneous martensitic microstructure providing superior durability and resistance.

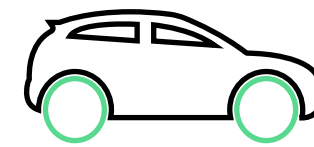
### #2 Lowest Cost of Production

With its controlled hardness target of 48HRC, you get the perfect balance of optimized productivity, cleaning efficiency and long product life.

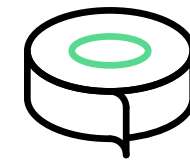
### #3 Availability

With 9 manufacturing plants worldwide, and multiple distribution locations, our steel shot is always available for prompt delivery.

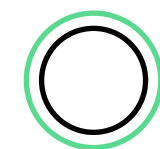
## MARKETS AND APPLICATIONS



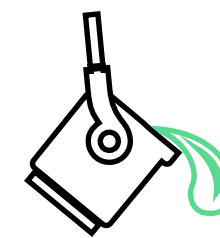
Automotive



Steel fabricators

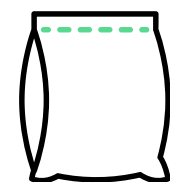


Pipe Coating

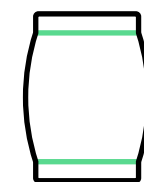


Foundry

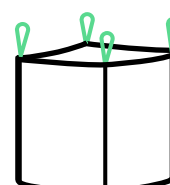
Packaging



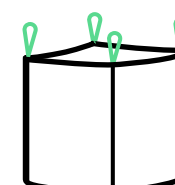
BOXED BAGS



DRUM



BIG BAG  
2000 lb



BIG BAG  
4000 lb

## SPECIFICATIONS

Chemical analysis	According to standard SAE J827 %C 0,8-1,2 %Si 0,4-1,2 %S < 0,05 %P < 0,05  %Mn 0,35-1,20 : S070 and S110 %Mn 0,50-1,20 : S170 %Mn 0,60-1,20 : S230 and above
Sieve analysis	According to standard SAE J 444
Hardness	40-51 HRC (390 – 530 HV) *other hardness available upon request
Standard deviation	On 10 measurements taken halfway across the particle radius. Arithmetic means of absolute values of deviations: < 3HRC
Standard deviation	± 3Rc or ± 40 HV
Micro-structure x500	Tempered martensite with 15% residual austenite
Minimum density measured by alcohol displacement	> 7.0g/cm
Conductivity	< 30 µS/cm

Product	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200
S780	AP		85% min	97% min													
S660		AP	85% min	97% min													
S550			AP	85% min	97% min												
S460			AP	5% max	85% min	96% min											
S390				AP	5% max	85% min	96% min										
S330					AP	5% max	85% min	96% min									
S280						AP	5% max	85% min	96% min								
S230							AP	10% max	85% min	97% min							
S170								AP	10% max	85% min	97% min						
S110										AP	10% max	80% min	90% min				
S70												AP	10% max	80% min	90% min		
Screen Number	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200
Screen Size (mm)	2.80	2.36	2.00	1.70	1.40	1.18	1.00	0.85	0.71	0.60	0.50	0.425	0.355	0.30	0.180	0.125	0.075
Screen Size (inches)	0.111	0.0937	0.0787	0.0661	0.0555	0.0469	0.0394	0.0331	0.0278	0.0234	0.0197	0.0165	0.0139	0.0117	0.007	0.0049	0.0029

Cumulative Size Distribution (%)

\*Document for informational purposes only. Not contractual. Contact your local representative for latest version of the technical data

W Abrasives  
by WinoA

