



# LC STEEL SHOT

## High durability, low dust, reusable & recyclable Low Carbon steel shot media

Low carbon cast steel shot, best suited for foundry cleaning applications, desanding, deburring or descaling. With its typical lower hardness, this media will last longer than regular high carbon shot, reduce machine wear while maintaining its effectiveness for many demanding industrial applications like removing sand or scale from castings.



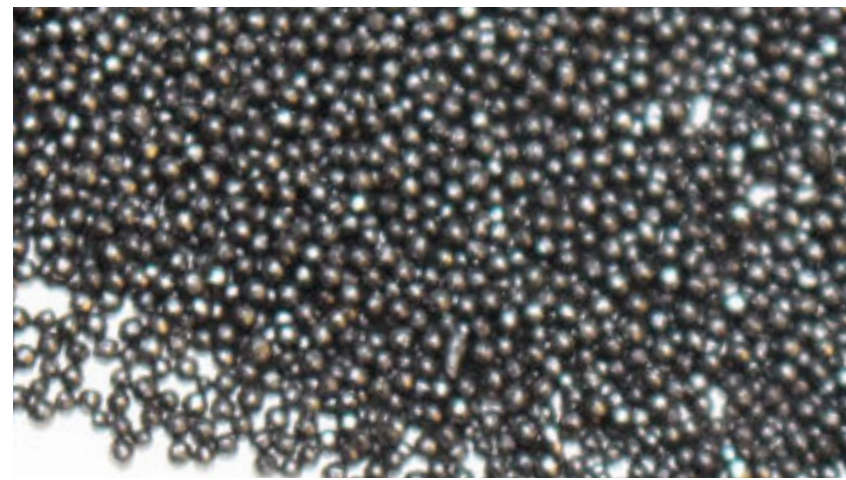
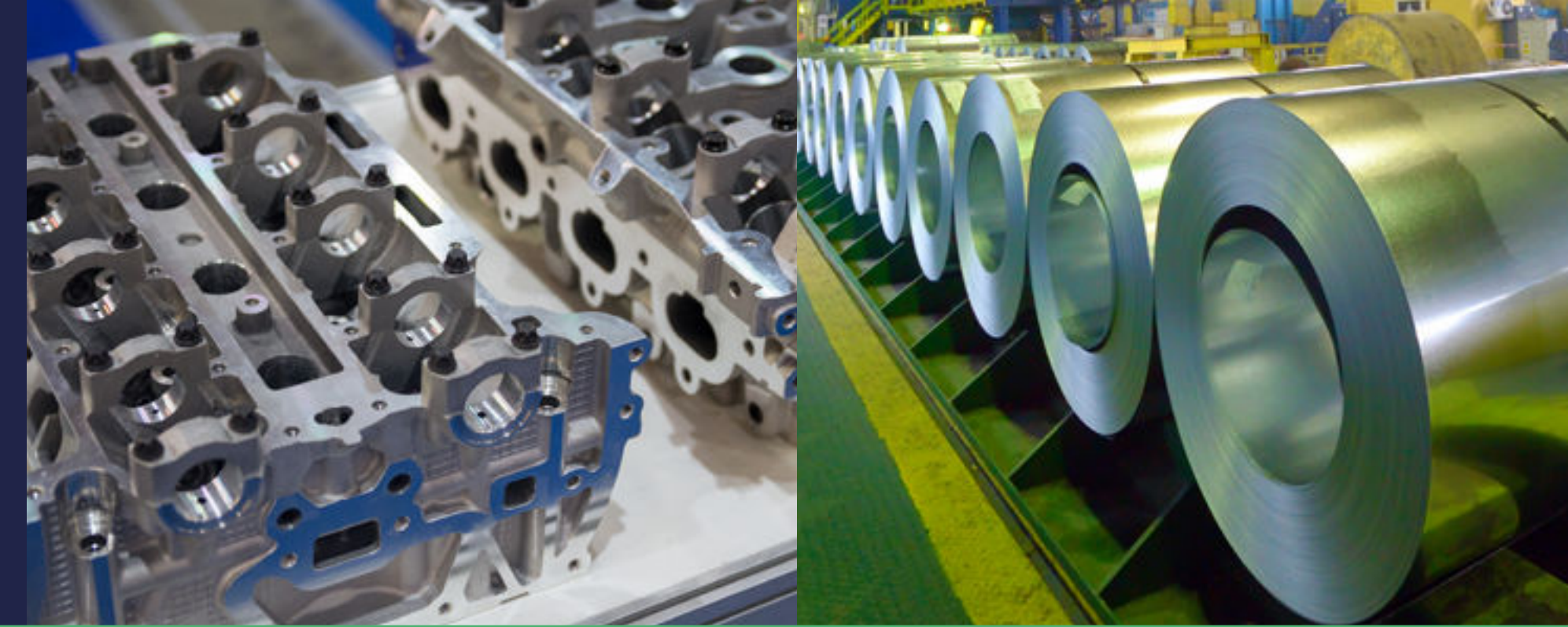
100% Recyclable & 100% reusable



Homogeneous microstructure



High durability



### USERS BENEFITS

#### #1 Reduced Wear of Machine & Parts

Due to their lower hardness and breakage, LC steel shot reduces wear on blast wheel blades and blast machine components

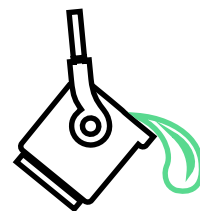
#### #2 Lower Operation Cost

Bainite Steel Abrasives allow Winoa to meet SAE specification on hardness. A Rockwell of 40 to 50 is achieved during the manufacturing process. Allowing Winoa to use as-cast material thus eliminating additional tempering processes

#### #3 Less dust produced

For regular shot desanding applications, the blasting process with Low Carbon Media produces less dust, which reduces maintenance and filtration system costs.

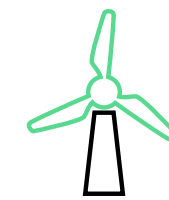
### MARKETS AND APPLICATIONS



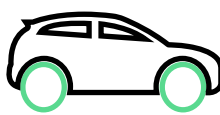
Foundries



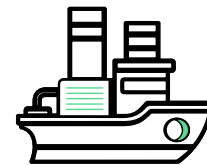
Forges



Wind energy power system



Automotive

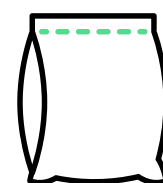


Ballast

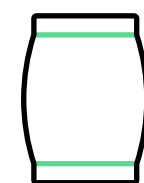


Metal Working

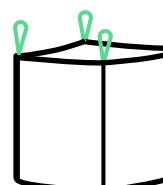
### Packaging



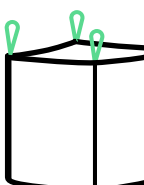
BOXED BAGS



DRUM



BIG BAG  
2000 lb



BIG BAG  
4000 lb

### SPECIFICATIONS

Chemical analysis	0.10% ≤ C ≤ 0.15%, 0.10% ≤ Si ≤ 0.15%, 1.20% ≤ Mn ≤ 1.50%, 0.05% ≤ Al ≤ 0.15%, S ≤ 0.035%, P ≤ 0.035%
Sieve analysis	According to standard SAE J 444
Hardness	40-50 HRC (544-600 HV)
Standard deviation	± 3Rc (± 80 HV)
Standard deviation	± 3Rc or ± 40 HV
Micro-structure	Tempered bainite
SAE Sizes available	S-780, S-660, S-550, S-460, S-390, S-330, S-280, S-230, S-170, S-110, S-70
Conductivity	Minimum 7 g/cc

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 sheets.

W Abrasives  
by Winoa

