

SPECIFICATION FILE FOR THE PRODUCT

STEEL SHOTS

Sizes	S - 70 to S - 930 (0.18 mm to 2.40 mm)	
Shapes	Spherical	
Specifications	SAE J444, SAE J827, SAE J1993, ISO 11124-3, DIN 8201-2 and DIN 8201-3	
Sieve Analysis	SAE J444, SAE J827	
Chemical Properties	Carbon	0.80% to 1.20%
	Silicon	0.40% Min.
	Manganese	1.20% Max.
	Sulphur	0.05% Max.
	Phosphorus	0.05% Max.
Microstructure	Tempered Martensite	
Hardness Range	400 - 650 HV	
Hardness Deviation	±30 HV	
Density	~7.0 g/cm ³ Min.	
Packaging	25 kg	Bag
	1000 kg	Jumbo Bag, Pellet, Drum

Other sizes, hardness and packaging available on request.

SIEVE ANALYSIS (AS PER SAE J827)

Mesh	MM	S - 780	S - 660	S - 550	S - 460	S - 390	S - 330	S - 280	S - 230	S - 170	S - 110
7	2.800	All Pass									
8	2.360		All Pass								
10	2.000	85% min.		All Pass	All Pass						
12	1.700	97% min.	85% min.		5% max.	All Pass					
14	1.400		97% min.	85% min.		5% max.	All Pass				
16	1.180			97% min.	85% min.		5% max.	All Pass			
18	1.000				97% min.	85% min.		5% max.	All Pass		
20	0.850					97% min.	85% min.		10% max.	All Pass	
25	0.710						97% min.	85% min.		10% max.	
30	0.600							97% min.	85% min.		All Pass
35	0.500								97% min.		10% max.
40	0.425									85% min.	
45	0.355									97% min.	
50	0.300										85% min.
80	0.180										97% min.
		2.00	1.70	1.40	1.18	1.00	0.85	0.71	0.60	0.425	0.30

CODE vs SIZE LEGEND

Shot size	Shot Size (in mm)	Shot Size (in inch)
S - 930	2.40	0.094
S - 780	2.00	0.078
S - 660	1.70	0.066
S - 550	1.40	0.055
S - 460	1.18	0.046
S - 390	1.00	0.039
S - 330	0.85	0.033
S - 280	0.71	0.028
S - 230	0.60	0.023
S - 170	0.425	0.017
S - 110	0.30	0.011
S - 70	0.18	0.007