

Super Steel Shot

Technical Data Sheet

This product is a low carbon steel shot for use as a blasting media.

Typical Chemical Analysis (%):

Iron	Fe	> 96.00
Manganese	Mn	0.60 – 1.20
Carbon	C	0.85 – 1.20
Silicon	Si	0.50 – 1.20
Sulphur	S	< 0.05
Phosphorous	P	< 0.05

Typical Physical Properties:

Colour:	Dark grey	Bulk Density:	~7.2 g/cm ³
Melting Point:	~2750°F	Hardness:	40-50 HRC
Microstructure:	Homogeneous tempered martensite and baintite.		
Solubility:	Insoluble	Grain Shape:	ROUND
SAE Spec:	J444		

Typical Gradation:

(All material is screened to meet or exceed SAE and SFS specifications)

S 110	SAE J444 Shot Tolerances All Pass No. 30 Screen 10% min. on No. 35 Screen 80% min. on No. 50 Screen 90% min. on No. 80 Screen	Screen Opening Inch 0.0234 0.0197 0.0117 0.007	Screen Opening mm 0.600 0.500 0.300 0.180	S 390	SAE J444 Shot Tolerances All Pass No. 12 Screen 5% min. on No. 14 Screen 85% min. on No. 18 Screen 96% min. on No. 20 screen	Screen Opening Inch 0.0661 0.0555 0.0394 0.0331	Screen Opening mm 1.700 1.400 1.000 0.085
S 170	SAE J444 Shot Tolerances All Pass No. 20 Screen 10% min. on No. 25 Screen 85% min. on No. 40 Screen 97% min. on No. 45 Screen	Screen Opening Inch 0.0661 0.0278 0.0165 0.0139	Screen Opening mm 1.700 0.710 0.425 0.355	S 460	SAE J444 Shot Tolerances All Pass No. 10 Screen 5% min. on No. 12 Screen 85% min. on No. 16 Screen 96% min. on No. 18 Screen	Screen Opening Inch 0.0787 0.0661 0.0469 0.0394	Screen Opening mm 2.000 1.700 1.180 1.000
S 230	SAE J444 Shot Tolerances All Pass No. 18 Screen 10% min. on No. 20 Screen 85% min. on No. 30 Screen 97% min. on No. 35 Screen	Screen Opening Inch 0.0394 0.0331 0.0234 0.0197	Screen Opening mm 1.000 0.850 0.600 0.500	S 550	SAE J444 Shot Tolerances All Pass No. 10 Screen 85% min. on No. 14 Screen 97% min. on No. 16 Screen	Screen Opening Inch 0.0787 0.0555 0.0469	Screen Opening mm 2.000 1.400 1.180
S 280	SAE J444 Shot Tolerances All Pass No. 16 Screen 5% min. on No. 18 Screen 85% min. on No. 25 Screen 96% min. on No. 30 Screen	Screen Opening Inch 0.0469 0.0394 0.0278 0.0234	Screen Opening mm 1.180 1.000 0.710 0.600	S 660	SAE J444 Shot Tolerances All Pass No. 8 Screen 85% min. on No. 12 Screen 97% min. on No. 14 Screen	Screen Opening Inch 0.0937 0.0661 0.0555	Screen Opening mm 2.360 1.700 1.400
S 330	SAE J444 Shot Tolerances All Pass No. 14 Screen 5 % Max on No. 16 Screen 85% Min. on No. 20 Screen 96% min. on No. 25 Screen	Screen Opening Inch 0.0555 0.0469 0.0331 0.0278	Screen Opening mm 1.400 1.180 0.850 0.710	S 780	SAE J444 Shot Tolerances All Pass No. 7 Screen 85% min. on No. 10 Screen 97% min. on No. 12 Screen	Screen Opening Inch 0.111 0.0787 0.0661	Screen Opening mm 2.800 2.000 1.700