



TECHNICAL DATA SHEET

Revision: October 8, 2019

RockRidge Low Carbon Steel Shot

Description: RockRidge Steel Shot meets all SAE Specification Standards for Low Carbon Steel Shot. The details below show the specifications relevant to KOTAR steel shot with some typical values that are representative of normal production

Shot Product	S70	S110	S170	S230	S280	S330	S390	S460	S550	S660	S780
Screen Size	40-120	30-50	20-40	18-35	16-30	14-25	12-20	10-18	10-16	8-14	7-12
Screen Size Range (mm)	0.125-0.425	0.30-0.60	0.425-0.85	0.50-1.00	0.60-1.18	0.71-1.40	0.85-1.70	1.00-2.00	1.18-2.00	1.40-2.36	1.70-2.80
Screen Size Range (in.)	0.0049-0.0165	0.0117-0.0234	0.0165-0.0331	0.0197-0.0394	0.0234-0.0469	0.0278-0.0555	0.0331-0.0661	0.0394-0.0787	0.0469-0.0787	0.0555-0.0937	0.0661-0.111

Data from Society of Automotive Engineers (SAE) Screening Specifications

Typical Chemical Analysis:

Mineral	%
Carbon	0.1-0.15 %
Silicon	0.1-0.25 %
Manganese	1.2-1.5 %
Aluminum	0.05-0.15 %
Phosphorus	0.035 % Max
Sulfur	0.035 % Max

Hardness SAE Specification:

40 – 50HR C Actual

RockRidge Steel Shot Hardness:

Hardness new: 43 - 45HR C

Hardness in use: 48 – 50HR C

Density SAE Specification: 7g/cc Min

Actual RockRidge Steel Shot Density:

Typical Density: 7.6g/cc

Microstructure: Bainitic Microstructure