



TECHNICAL DATA SHEET

Revision: July 31, 2023

RockRidge High Carbon Steel Shot

Description: RockRidge Steel Shot meets all SAE Specification Standards for High 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	0.8-1.2 %
Silicon	0.4-1.5 %
Manganese	0.35-1.2% to 0.6-1.2%
Nickel	<0.2 %
Phosphorus	<0.05 %
Sulfur	<0.05 %

Hardness SAE Specification:

J444

RockRidge Steel Shot Hardness Range:

40-50 RC, Average 45 RC Special Hardness available upon request.

Actual RockRidge Steel Shot Density:

Typical Density: 7.8g/cm³

For any questions or concerns, please contact RockRidge Abrasives at:
855-883-6245 or sales@rockridgeabrasives.com