



Rock Ridge Abrasives

Steel Shot Information Guide

RockRidge® Low Carbon Steel Shot

RockRidge® proudly offers low carbon steel shot to our customers.

The service life of low carbon steel shot is typically 20% longer than its high carbon steel equivalent. RockRidge® Low Carbon Steel Shot, with its long life and high hardness, gives excellent performance in most blast cleaning applications including:

- removal of sand from castings
- removal of scale and rust from steel
- deflashing of die cast parts
- general surface preparation of metal parts.

RockRidge® Steel Shot is ideal for use in foundries, forges, steel mills, rolling mills, machine shops, in automobile and aircraft industries as well as in the structural steel industry.

How is Low Carbon Steel Shot Manufactured?

In the first stage of the shot manufacturing process, specially selected steel scrap is melted in induction furnaces to a temperature between 2900°-3000°F. The molten steel is then poured through crucible orifices onto accurately controlled jets of water. The result is an atomizing process that generates a bell curve of particle sizes that when screened meet SAE standards for steel shot size distribution. This manufacturing process generates particles that are stress crack free and with a bainitic microstructure which is ideal for blast cleaning processes.



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



RockRidge® Steel Shot is available in two packaging options:

- 40 x 50lb Polythene bags on a wooden heavy duty pallet covered with a box top and shrink wrapped
- 55-gallon steel drums on special drum pallets

distributed by:

