



Steel Shot Blasting

Finishing	Cleaning /Removal	Peening	Surface Profile (Etch)	Working Speed	Recyclability	Probability of Metal Removal	Hardness MOH Scale	Bulk Density (lb/cu ft)	Mesh Size	Typical Blast Pressure	Shape
Yes	Yes	Yes	No	Med	V-High	V-Low	40-66 RC	280	8-200	40-90	o

As the leading international producer of cast steel abrasives, Ervin Industries' AMASTEEL trademark has become synonymous worldwide with product quality, reliability, and customer support. We believe that is why Ervin AMASTEEL outsells its nearest competitor, three to one.

It also explains why our products continue to find broad and growing applications in diverse markets such as:

- | | |
|---------------------|------------------------|
| Automotive | Railroad |
| Aerospace | Shipyard |
| Agriculture | Stone cutting |
| Construction | Office machines |
| Foundry | Petrochemical |
| Mining | |

Although AMASTEEL abrasives are used in the production of a wide array of products, they have four primary applications:

- As a **blast cleaning** medium, shot, grit, or a mixture is used to remove various forms of surface contamination from a broad spectrum of steel or foundry products.
- In a **peening** application, AMASTEEL shot is used to impart compressive strength to torque or load bearing metal parts, such as jet engine turbine blades, automotive springs, or heavy equipment crankshafts.
- As a **cutting** medium, hard AMASTEEL shot and grit is used in gang-saws to process granite and marble blocks.
- In addition, the sharp, angular form of grit makes it ideal for **etching** a textured surface on metal – thus enhancing its ability to bond with paint, enamel, rubber or other coatings.

SAE Size No.	SAE J444 SHOT Tolerances	Screen Opening In-mm	
S780	All Pass No. 7 Screen.....	.1110 - 2.80	
	85% Min on No. 10 Screen....	.0787 - 2.00	
	97% Min on No. 12 Screen....	.0661 - 1.70	
S660	All Pass No. 8 Screen.....	.0937 - 2.35	
	85% Min on No. 12 Screen....	.0661 - 1.70	
	97% Min on No. 14 Screen....	.0555 - 1.40	
S550	All Pass No. 10 Screen.....	.0787 - 2.00	
	85% Min on No. 14 Screen....	.0555 - 1.40	
	97% Min on No. 16 Screen....	.0469 - 1.18	
S460	All Pass No. 10 Screen.....	.0787 - 2.00	
	5% Max on No. 12 Screen....	.0661 - 1.70	
	85% Min on No. 16 Screen....	.0469 - 1.18	
	96% Min on No. 18 Screen....	.0394 - 1.00	
S390	All Pass No. 12 Screen.....	.0661 - 1.70	
	5% Max on No. 14 Screen....	.0555 - 1.40	
	80% Min on No. 16 Screen....	.0394 - 1.00	
	96% Min on No. 20 Screen....	.0331 - 0.850	
S330	All Pass No. 14 Screen.....	.0555 - 1.40	
	5% Max on No. 16 Screen....	.0469 - 1.18	
	85% Min on No. 20 Screen....	.0331 - 0.850	
	96% Min on No. 25 Screen....	.0278 - 0.710	
S280	All Pass No. 16 Screen.....	.0469 - 1.18	
	5% Max on No. 18 Screen....	.0394 - 1.00	
	80% Min on No. 25 Screen....	.0278 - 0.710	
	96% Min on No. 30 Screen....	.0234 - 0.600	
S230	All Pass No. 18 Screen.....	.0394 - 1.00	
	10% Max on No. 20 Screen....	.0331 - 0.850	
	85% Min on No. 30 Screen....	.0234 - 0.600	
	97% Min on No. 35 Screen....	.0197 - 0.500	
S170	All Pass No. 20 Screen.....	.0331 - 0.850	
	10% Max on No. 25 Screen....	.0278 - 0.710	
	80% Min on No. 40 Screen....	.0165 - 0.425	
	97% Min on No. 45 Screen....	.0139 - 0.355	
S110	All Pass No. 30 Screen.....	.0234 - 0.600	
	10% Max on No. 35 Screen....	.0197 - 0.500	
	80% Min on No. 60 Screen....	.0117 - 0.300	
	90% Min on No. 80 Screen....	.0070 - 0.180	
S70	All Pass No. 40 Screen.....	.0165 - 0.425	
	10% Max on No. 45 Screen....	.0139 - 0.355	
	80% Min on No. 80 Screen....	.0070 - 0.180	
	90% Min on No. 120 Screen....	.0049 - 0.125	



***INTERNATIONAL
SURFACE PREPARATION***

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