



Steel Grit 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	No	Yes	M-High	V-High	Med	40-66 RC	280	8-200	40-90	◇

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 | Shipyards |
| 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 GRIT Tolerances	Screen Opening In-mm	
G10	All Pass No. 7 Screen..... 1110 - 2.80 80% Min on No. 10 Screen..... 0787 - 2.00 90% Min on No. 12 Screen..... 0661 - 1.70		
G12	All Pass No. 8 Screen..... 0937 - 2.36 80% Min on No. 12 Screen..... 0661 - 1.70 90% Min on No. 14 Screen..... 0555 - 1.40		
G14	All Pass No. 10 Screen..... 0787 - 2.00 80% Min on No. 14 Screen..... 0555 - 1.40 90% Min on No. 16 Screen..... 0469 - 1.18		
G16	All Pass No. 12 Screen..... 0661 - 1.70 75% Min on No. 16 Screen..... 0469 - 1.18 85% Min on No. 18 Screen..... 0394 - 1.00		
G18	All Pass No. 14 Screen..... 0555 - 1.40 75% Min on No. 18 Screen..... 0394 - 1.00 85% Min on No. 25 Screen..... 0278 - 0.710		
G25	All Pass No. 16 Screen..... 0469 - 1.18 70% Min on No. 25 Screen..... 0278 - 0.710 80% Min on No. 40 Screen..... 0165 - 0.425		
G40	All Pass No. 18 Screen..... 0394 - 1.00 70% Min on No. 40 Screen..... 0165 - 0.425 80% Min on No. 50 Screen..... 0117 - 0.300		
G50	All Pass No. 25 Screen..... 0278 - 0.710 65% Min on No. 50 Screen..... 0117 - 0.300 75% Min on No. 80 Screen..... 0070 - 0.180		
G80	All Pass No. 40 Screen..... 0165 - 0.425 65% Min on No. 80 Screen..... 0070 - 0.180 75% Min on No. 120 Screen..... 0049 - 0.125		
G120	All Pass No. 50 Screen..... 0117 - 0.300 60% Min on No. 120 Screen..... 0049 - 0.125 70% Min on No. 200 Screen..... 0029 - 0.075		