

## AMAGRIT Stainless Steel Grit

### Chemical Composition

Carbon .....	2 – 2.5%
Silicon .....	2.5 – 3%
Manganese .....	1.2 – 1.65%
Chromium (metallic) .....	26 – 30%

### Sizing

U.S. Sieve Size	Sieve Opening		AMAGRIT Screening Specifications					
	(in)	(mm)	SSG-18	SSG-25	SSG-40	SSG-50	SSG-80	SSG-120
12	0.0661	1.70	All Pass					
14	0.0555	1.40	2% max					
16	0.0469	1.18		All Pass				
18	0.0394	1.00		2% max	All Pass			
20	0.0331	0.850			5% max			
25	0.0278	0.710				All Pass		
30	0.0234	0.600	90% min			2% max		
35	0.0197	0.500						
40	0.0165	0.425					All Pass	
45	0.0139	0.355					5% max	
50	0.0117	0.300						All Pass
60	0.0098	0.250		95% min				5% max
80	0.0070	0.180			95% min			
100	0.0059	0.150				99% min		
120	0.0049	0.125					99% min	
170	0.0035	0.090						
200	0.0029	0.075						99% min

### Product Specifications

Microstructure:	Martensite / Chrome Carbides
Shape:	Angular
Density:	7 gm / cc
Hardness:	630 – 690 Hardness Vickers (HV) 57 – 60 HRC

### AMAGRIT Applications

- Aluminum castings and parts
- Stainless steel forgings, structural parts, and welded fabrications
- Zinc pressure die-castings, forgings, and parts
- Corrosion-prone metal surfaces (can replace aluminum oxide or glass beads)
- Blast cabinets (especially as a replacement for aluminum oxide)
- Eliminates residual abrasive corrosion
- Suitable replacement for aluminum oxide and garnet
- Railroad cars