

ABRASIVES

CARBON STEEL GRIT

Carbon Steel Grit is a general-purpose manufactured abrasive used to remove thick coatings, heavy rust, and mill scale. It's angular shape cleans by aggressively cutting away at the surface leaving a uniform surface profile. Carbon Steel Grit's high bulk density, low friability, consistent sizing, and low dust levels provide superior production rates. Carbon Steel Grit is most commonly used in abrasive blasting rooms and mobile steel grit recycling systems and is frequently used for bridge, wind tower, and ship and railcar manufacturing and maintenance.

RECYCLABILITY

The low friability of Carbon Steel Grit allows it to be recycled hundreds of times. Unlike mineral or slag abrasives, Carbon Steel Grit will not completely shatter when it hits a surface, keeping its relative size. Recycling Carbon Steel Grit increases profitability by reducing abrasive consumption, and shipping, cleanup, and disposal costs.

INCREASED PRODUCTION

Carbon Steel Grit's higher bulk density and high hardness results in more energy being transferred to the work surface than mineral or slag abrasives, easily removing thick coatings, heavy rust, and mill scale. Carbon Steel Grit's uniform particle size provides consistent coverage and surface finish, increasing production rates

LOW DUSTING

Carbon Steel Grit's durability and low friability produce lower dust levels than most mineral or slag abrasives. Low dust levels improve the operator's visibility of the work surface, increasing production rates. Lower dust levels also reduce cleanup costs on the job site.

**PHYSICAL CHARACTERISTICS**

Shape: Angular
Hardness: Rockwell C (HRC)
SG Steel Grit: 40–51 HRC
MG Steel Grit: 47–56 HRC
LG Steel Grit: 54–61 HRC
HG Steel Grit: 60+ HRC
Bulk Density: 230–275 lbs./cu. ft.
Specific Gravity: 1.75 g/cc
Free Silica: No Free Silica
Manufactured Abrasive

BLASTING CONDITIONS

Recommended nozzle pressure: 100–125 psi
Recommended working distance from surface: 18–36 inches

CERTIFICATIONS

SAE J444 (Sizing)
SAE J1993 (Hardness, Microstructure, Density, etc.)

AVAILABLE SIZES

G10 - Typical Profile 5.5+ mils
G12 - Typical Profile 5.0 mils
G14 - Typical Profile 4.5 mils
G16 - Typical Profile 4.0 mils
G18 - Typical Profile 3.5 mils
G25 - Typical Profile 3.0 mils
G40 - Typical Profile 2.5 mils
G50 - Typical Profile 2.0 mils
G80 - Typical Profile 1.5 mils

**SG, MG, LG & HG Hardness available and will change the typical profile*

PACKAGING OPTIONS

Bulk Bags: 2,000 and 4,000 lbs
Drum: 1500 or 1700 steel drum
Bags: 50 lbs

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SAE Size	Opening		Screen Analysis								
	mm	inches	Percent (%) by Weight								
			G10	G12	G14	G16	G18	G25	G40	G50	G80
7	2.80	0.1110	All Pass								
8	2.36	0.0937		All Pass							
10	2.00	0.0787	80% Min		All Pass						
12	1.70	0.0661	90% Min	80% Min		All Pass					
14	1.40	0.0555		90% Min	80% Min		All Pass				
16	1.18	0.0469			90% Min	75% Min		All Pass			
18	1.00	0.0394				85% Min	75% Min		All Pass		
25	0.710	0.0278					85% Min	70% Min		All Pass	
40	0.425	0.0165						80% Min	70% Min		All Pass
50	0.300	0.0117							80% Min	65% Min	
80	0.180	0.0070								75% Min	65% Min
120	0.125	0.0049									75% Min

*Screen Opening Sizes and Screen Numbers with Max and Min Cumulative Percentages Allowed on Corresponding Screens. ASTM E-11 and ISO 55 Test Sieves.

OPTIONAL ACCESSORIES

Blastmaster® Abrasive Blasting Hose



Blastmaster® Abrasive Blasting Hose is available in standard lengths of 50, 100 and 400 feet, and custom lengths up to 200 feet.

Abrasive Blasting Nozzles



A wide variety of nozzles are available to meet most any job requirement.

Blastmaster® Abrasive Metering Valves



Marco's wide selection of Blastmaster® Abrasive Metering Valves give you variable and instant abrasive control for great results on every work site.

Couplings and Nozzle Holders



Marco® offers several types of couplings and nozzle holders to meet the needs of a wide variety of applications.

- ABRASIVES
- BLASTING
- COATING
- ENGINEERED SYSTEMS
- RENTAL
- SAFETY
- SERVICE & REPAIR

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