CLEAN BLAST
Clean Technologies In Surface Preparation



STEEL GRIT / STEEL SHOT

Sharp Angular shape and relative hardness of Steel Grit leads to high cleaning rates and recyclability hence, it is an excellent abrasive for blasting operation in closed environment such as blast room and open blasting . Industry application of steet grit as blasting media includes, descaling of steel structures, granite cutting, and surface roughness before blasting and painting. Steel Grit can be recycling number of times





STEEL SHOT

Steel Shot is made of Chrome Alloy material which is fast atomized after melting. After heat treatment, it is featured with optimum mechanical characteristics, good tenacity, fatigue resistance, long wearing-life, low consumption and so on. These contribute to lower consumption than that of other suppliers' steel shot.

Features :

Steel Shot is processed to the high quality,with strict quality control at every stage of processing, packaging and transportation. Clean Blast ensure consistant and qualified materials according to Internationl standard. Compared with traditional casting, our alloy steel shot has the following features:

- Maintain higher fatigue life under better hardness heat treatment.
- Good grain roundness, uniform size, no broken during using and higher shot peening quality.
- Be more cost-effective in shot peening and shot blasting than other me chanical spare parts when the parts is with hardness form HRC 40 to 60.

PHYSICAL CHARACTERISTIC & CHEMICAL COMPOSTION

PRODUCT		STEEL SHOT
CHEMICAL COMPOSITION	C	0.70 -1.20%
	SI	0.40 -1.20%
	MN	0.60 -1.20%
	CR	0.60 -1.65%
	S	<0.05%
	P	<0.05%
HARDNESS		40 -50RHC
MICROSTRUCTURE		TEMPERED TROOSITE
DENSITY		>7.2G/CM3

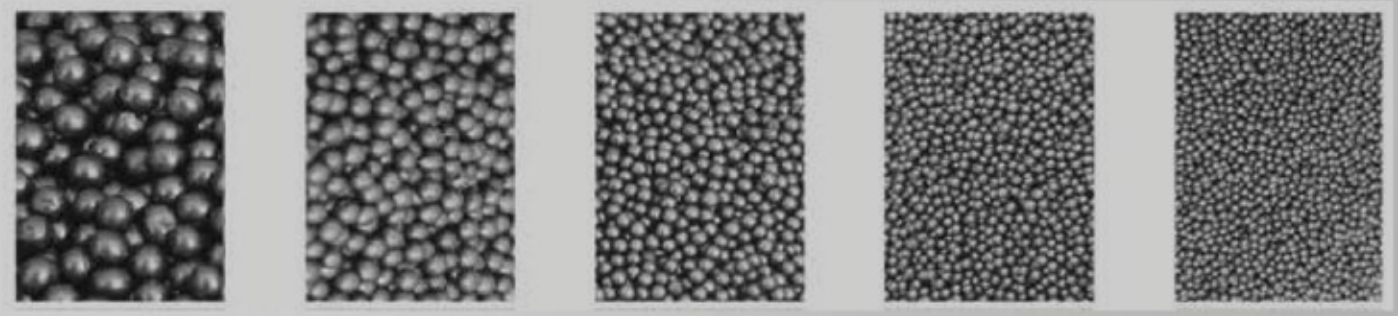
APPLICATION

SAE	Steel Shot Application
S-110 S-170 S-230	Shot peening stainless steel plate, thin steel plate and non-ferrous metals before painting process to increase elasticity and toughness.
S-280	Blasting small castiron, cast part, heat treatment piece, cast alumiunm,cast streel plate and cast copper alloy before gold-plating process to increase eleasticity and toughness.
S-460 S-550	Knock-out,descaling,peening and shaping of medium-to-large cast iron,cast streel, forged piece,heat treatment piece,steel plate and pipe.
S-660 S-780	Knock-out, or descaling large cast iron, cast streel, iron pipe, forged piece and heat treatment piece.

STEEL SHOT SPECIFICATION

Available Sizes:

*S70/S110/S170/S230/S280/S330/S390/S460/S550/S660/S780



*Other sizes could be made according to the detailed requirement.

Screen Analysis

	Opening		Percent(%)by Weight										
Size	mm	inches	S780	S660	S550	S460	S390	S330	S280	S230	S170	S110	S70
7	2.83	0.1110	ALL Pass										
8	2.38	0.0937		ALL Pass									
10	2.00	0.0787	85% Min		ALL Pass	ALL Pass							
12	1.68	0.0661	97% Min	85% Min		5% Max	ALL Pass						
14	1.41	0.0555		97% Min	85% Min		5% Max	ALL Pass					
16	1.18	0.0469			97% Min	85% Min		5% Max	ALL Pass				
18	1.00	0.0394				96% Min	85% Min		5% Max	ALL Pass			
20	0.84	0.0331					96% Min	85% Min		10% Max	ALL Pass		
25	0.71	0.0280						96% Min	85% Min		10% Max		
30	0.600	0.0232							96% Min	85% Min		ALL Pass	
35	0.500	0.0197								97% Min		10% Max	
40	0.42	0.0165									85% Min		ALL Pass
45	0.35	0.0138									97% Min		10% Max
50	0.300	0.0117										80% Min	
80	0.180	0.0070										90% Min	80% Min
120	0.12	0.0049											90% Min



STEEL GRIT

Steel grit is made by crushing forged steel. It is developed and used for the sandblasting industry and now is also well accepted by our customers for granite gang saw cutting, in which the grit consumption is proved to be at least 20% lower than that of normal casting steel grit.

Features :

Steel Grit is processed to the high quality,with strict quality control at every stage of processing, packaging and transportation. Clean Blast ensure consistant and qualified materials according to Internationl standard. Compared with traditional steel grit made by crushing steel shot, steel grit has the following features:

- Raw Material steel grit is made by Chromium steel which has good harden ability due to its high content of Chromium.
- Technology steel grit is made by crushing the forged steel directly which is free from casting defects.
- Low Wear The forged state steel grit with sharp edges has higher mechanical property than traditional cast steel grit with ball surfaces.

PHYSICAL CHARACTERISTIC & CHEMICAL COMPOSTION

PRODUCT		STEEL GRIT
CHEMICAL COMPOSITION	C	0.70 1.20%
	SI	0.20 1.20%
	MN	0.25 1.20%
	CR	0.60 1.65%
	S	<0.05%
	P	<0.05%
HARDNESS		GH>60HRC GL 53 60HRC GP 40 50HRC
MICROSTRUCTURE		TEMPEREDMATENSITEOR TEMPEREDTROOSITE
DENSITY		>7.5G/CM3

APPLICATION

SAE	Steel Grit Application
G-12 --2.0mm G-14 --1.7mm G-16 --1.4mm	Blasting/descaling medium-to-large cast steel, cast iron, forged pieces,steel plate and rubber adhered work pieces.
G-18 --1.2mm G-25 --1.0mm	Granite gang saw cutting.
G-18 --1.2mm G-25 --1.0mm G-40 --0.7mm	Blasting rubber adhered work pieces; Descaling steel plate, container, ship hall before painting; Cleaning small-to-medium cast steel, cast iron, forged pieces, etc.
G-50 --0.4mm G-80 --0.3mm G-120--0.2mm	Blasting/descaling steel wire, spanner, steel pipe before painting process; Cleaning precision castings (eg. golf blocks)

STEEL GRIT SPECIFICATION

Available Sizes:

*G10/G12/G14/G16/G18/G25/G40/G50/G80



*Other sizes could be made according to the detailed

Screen Analysis

	Opening		Percent(%)by Weight								
Size	mm	inches	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	ALL Pass				
14	1.40	0.0555		90% Min	80% Min			ALL Pass			
16	1.18	0.0469			90% Min	75% Min	75% Min		ALL Pass		
18	1.00	0.0394				85% Min	85% Min	70% Min		ALL Pass	
25	0.710	0.0278						80% Min	70% Min		
40	0.425	0.0165							80% Min	65% Min	ALL Pass
50	0.300	0.0117								75% Min	
80	0.180	0.0070									65% Min
120	0.125	0.0049									75% Min

Strong Advantages of Clean Blast Steel Abraives for Metal Surface Treatment

- **RECYCLABILITY**
- **INCREASED PRODUCTION**
- **LOW DUSTING**



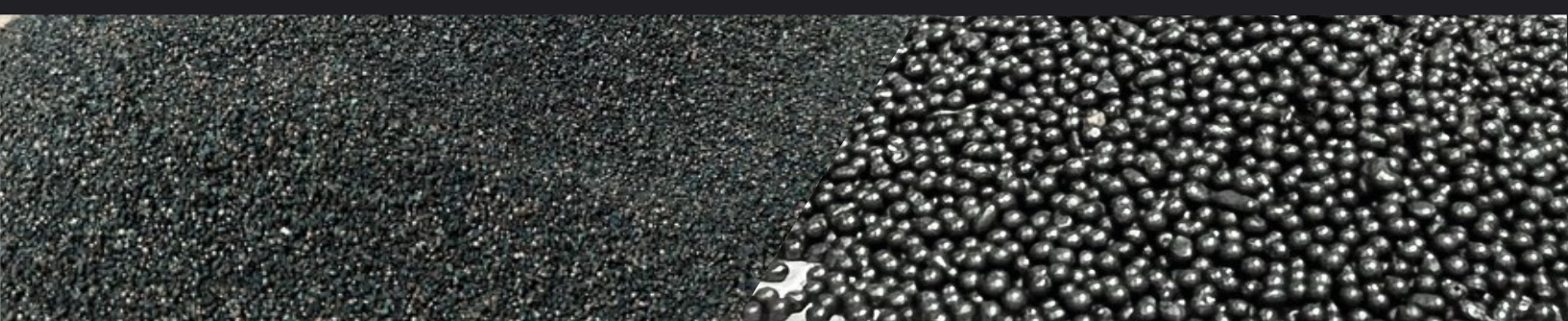






QUALITY CONTROL

While our production line is producing quality steel abrasives, our quality control system assures high and stable quality level of each production batch. With such high and stable quality, Products have been enjoying high reputation in the market. Quality control starts from raw material till loading into containers. Our company has a number of testing equipment to analyse the size distribution, chemical composition, hardness, density, microstructure and lift recycles.





PACKAGING :

- 25kg (55lb) bags shrink wrapped onto a 1000kg pallet.
- Jumbo bags with inner plastic proof loaded up to 1000kg (2200lb)
- In Steel Drum (per request)





CONTACT US



DUBAI

Clean Blast International LLC
P.O.Box: 93716,
Dubai Investment Park 2,
Dubai, United Arab Emirates.

Tel: +971 4 8847 344
Fax: +971 4 8847 355
E-mail: sales@cleanblast.com

ABU DHABI

Clean Blast International
P.O.Box: 129498,
Mussafah, Abu dhabi,
United Arab Emirates.

Tel: +971 2 5513 815
Fax: +971 2 5513 816
E-mail: abudhabi@cleanblast.com

SAUDI ARABIA

Clean Blast International
P.O.Box: 14293,
Dammam, 31424
Kingdom of Saudi Arabia.

Tel: +971 4 8847 344
E-mail: sales@cleanblast.com

INDIA

Clean Blast Equipment India Pvt. Ltd.
Chiramel Building, Ravipuram,
Cochin, India.

Tel: +91 484 2356 660
Fax: +91 484 2356 661
E-mail: india@cleanblast.com

QATAR

Clean Blast International
P.O.Box: 55433,
Al Salwa Ind. Area,
Doha, Qatar.

Tel: +974 4 4697 562
Fax: +974 4 4696 801
E-mail: qatar@cleanblast.com

KUWAIT

Clean Blast International
Ahamadi,
State of Kuwait.

Tel: +965 9 9543 676
E-mail: kuwait@cleanblast.com

MALAYSIA

Clean Blast malaysia Sdn Bhd
Etiqa Twins, 50450,
Kuala Lumpur, Malaysia.

Tel: +603 2 1817 223
Fax: +603 2 1817 523
Email: malaysia@cleanblast.com

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