

# THE BEAUTY OF SURFACE CLEANING TAKES SHAPE HERE

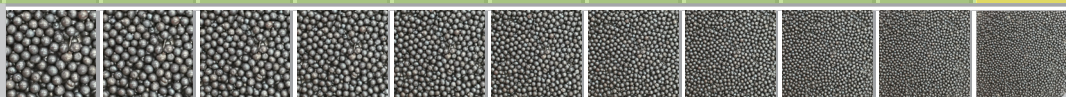




Taiwanabrator, the leading manufacturer, supplier and exporter of steel abrasive media, produces a wide range of metal abrasive products that surpasses the industry standards. With over 40 years of experience in the industry, we stand as the primary steel abrasive product provider in Taiwan and throughout Asia.

We offer quality products and services to meet the specifications of our valued customers in a timely manner. While we follow the strict manufacturing guidelines of ISO 9001:2008, ISO 11124-3, and SAE J827, J444, J1993, our quality management systems have been assessed and registered as meeting of ISO 9001 since 1997.

Mesh No.	Sieve (inch)	Sieve (mm)	Shot Size Distribution (as per SAE J-827)										
			S-780	S-660	S-550	S-460	S-390	S-330	S-280	S-230	S-170	S-110	S-70
7	0.1110	2.800	All Pass										
8	0.0937	2.360		All Pass									
10	0.0787	2.000	85% min		All Pass	All Pass							
12	0.0661	1.700	97% min	85% min		5% max	All Pass						
14	0.0555	1.400		97% min	85% min		5% max	All Pass					
16	0.0469	1.180			97% min	85% min		5% max	All Pass				
18	0.0394	1.000				96% min	85% min		5% max	All Pass			
20	0.0331	0.850					96% min	85% min		10% max	All Pass		
25	0.0280	0.710						96% min	85% min		10% max		
30	0.0232	0.600							96% min	85% min		All Pass	
35	0.0197	0.500								97% min		10% max	
40	0.0165	0.425									85% min		All Pass
45	0.0138	0.355									97% min		10% max
50	0.0117	0.300										80% min	
80	0.0070	0.180										90% min	80% min
120	0.0049	0.125											90% min



## Application

Steel shots are used for a variety of purposes. Following are some of the utilities of steel shots.

### Shot Peening

Steel shots are used in shot peening, which is the process of enhancing the fatigue life of products (such as turbines, springs, gears, torsion bars, shafts, stabilizers, con-rods) that are affected by various stresses in use.

### Surface Preparation

Steel shots can be used to prepare the surface by roughening it up to give a good key in support of coatings, such as powder coating, enamelling, painting, metallisation, rubber bonding and more.

### Sand Removal

Steel shots can be used in cleaning of castings.

### Scale Removal

Steel shots can also be used to clean ferrous or non ferrous alloys or products (pipes, plates etc.) that are made from forging, die-forging, stamping, drawing and rolling or after heat treatment.

### Shot blasting of cast steel

Steel shots can be used on the blasting of profile steel, ship board, steel board and other steel material



Before



After



Before



After



Established back in 1977, Taiwanabrator is the most sought-after steel abrasive manufacturer and supplier. Situated in Taiwan, we are affiliated with Japan Sintokogio Ltd which has assisted us with the advanced technology we utilize in our manufacturing procedures. While we supply metal abrasive media throughout Taiwan, we also export among the wide range of steel abrasive products we specialize in manufacturing, steel grits are one of them.

Steel grits are made by crushing steel shots to angular particles which are subsequently tempered to various hardness catering to different applications, screened by size according to SAE standard specifications. We also provide various hardness range as specified by customer's requirements.

Mesh No.	Sieve (inch)	Sieve (mm)	Grit Size Distribution (as per SAE J-827)									
			G-10	G-12	G-14	G-16	G-18	G-25	G-40	G-50	G-80	G-120
7	0.1110	2.800	All Pass									
8	0.0937	2.360		All Pass								
10	0.0787	2.000	80% min		All Pass							
12	0.0661	1.700	90% min	80% min		All Pass						
14	0.0555	1.400		90% min	80% min		All Pass					
16	0.0469	1.180			90% min	75% min		All Pass				
18	0.0394	1.000				85% min	75% min		All Pass			
20	0.0331	0.850										
25	0.0280	0.710					85% min	75% min		All Pass		
30	0.0232	0.600										
35	0.0197	0.500										
40	0.0165	0.425						80% min	70% min		All Pass	
45	0.0138	0.355										
50	0.0117	0.300							80% min	65% min		All Pass
80	0.0070	0.180								75% min	65% min	
120	0.0049	0.125									75% min	60% min
200	0.0029	0.075										70% min

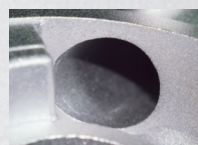
## Application

STEEL shots can be used for a variety of cleaning purposes. In addition, they can also be used for;

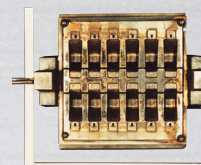
- Flashing Removal
- Pipe Coating
- Bridge Blasting
- Epoxy Coating Preparation
- Rail Car Reconditioning
- Ship Building
- Rust Removal
- Aggressive Cleaning
- Forgings
- Non Ferrous Castings
- Plate Preparation
- Scale Removal
- Surface Preparation



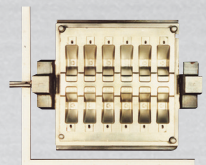
Before



After



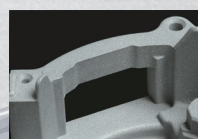
Before



After



Before



After



Before



After

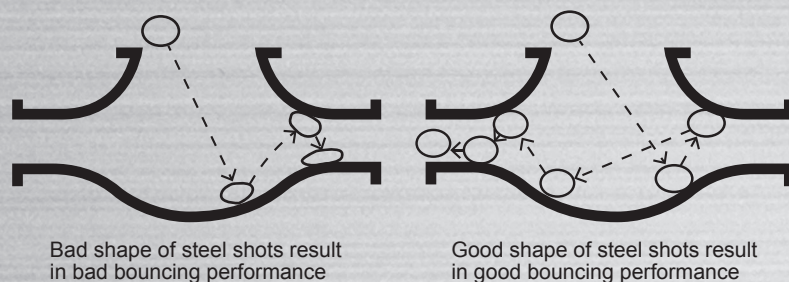


## Good quality abrasive media should have:

 Proper **"HARDNESS"**  
High efficiency on surface cleaning.

SHOTS	HrC	GRITS	HrC
H Shots	63+	H Grits	63+
L Shots	51-60	L Grits	51-60
S Shots	40-50	P Grits	40-50

 Excellent **"Bouncing"**  
Perfect shot blasting on the target piece.



 Proper **"Composition"**  
High durability without cracks

