

# BETA ENGINEERING.

**LEADING SUPPLIERS OF STEEL-SHOTS ,STEEL-GRITS AND CUT-WIRE**



## SHOTS.

### Effective cleaning and peening

Steel shots are effective at removing rust, scale, coatings, and contaminants from surfaces. They are also widely used for shot peening to enhance the mechanical properties of materials by inducing compressive stresses.

Steel shots can be used at high velocities, allowing for rapid surface preparation and cleaning. This leads to increased productivity and reduced downtime.

### Cost-effective

While the initial cost of steel shots may be higher than some other abrasives, their durability and reusability often result in lower overall operational costs over time.

### Proven performance

Steel shots have a long history of successful use in abrasive blasting and shot peening applications, with well-established performance characteristics.

Size Chart			Specification As Per Is 4606 of 1983 Chemical Composition:	
Serial	SAE Number	Size in mm	Carbon	0.6-1.25%
1	S-70	0.18	Silicon	0.2-1.1%
2	S-110	0.3	Manganese	1.25%Max
3	S-170	0.425	Sulphur	0.08%Max
4	S-230	0.6	Phosphorus	0.08%Max
5	S-280	0.71	Shape	Round
6	S-330	0.85	Density	7 gm/ml Min. contains hollow shots of 10%
7	S-390	1	Hardness	400-500 HV
8	S-460	1.18	Micro	Tempered Martensite
9	S-550	1.4		
10	S-660	1.7		
11.	S-780	2		

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**GST DETAILS : 24AAOHV0237J1ZX.**

Enquire for other foundry consumable products ....

CALL US FOR YOUR  
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Ahmedabad –Gujarat.

Effect of Shot Size on Impact & Coverage				
SHOT SIZE		Approx. Impact Value	Approx. Nos. of Shots / lb	Equiv. Size of I n Grit
Inches	in (mm)			
.070"	0.18mm	1	82,00,000	G-80
.0110"	0.30mm	4	21,00,000	G-50
.0170"	0.40mm	9	7,45,000	G-40
.0230"	0.60mm	20	3,24,000	
.0280"	0.70mm	33	1,92,000	G-25
.0330"	0.80mm	55	1,14,000	
.0390"	1.00mm	90	68,000	G-18
.0460"	1.20mm	150	40,000	G-16
.0550"	1.40mm	260	24,000	G-14
.0660"	1.70mm	440	14,000	G-12

Shot Impact Value varies as the cube of the diameter (2: 1 Size = 8:1 Impact Value and 1:8 number of shots / lb). Considering Impact value of 70 size shot as 1.