

SPEEDLOCK STEEL SHOT & GRIT are manufactured to meet or exceed SAE & SFS specifications.

Speedlock steel shots and grits satisfy all performance requirements in terms of efficiency, effectiveness, labour and cost saving, and longer life.

SPEEDLOCK STEEL SHOT & GRIT are used in the following purposes:

- Preparing surfaces
- Cleaning the toughest forgings
- Etching mill rolls
- Brightening finishes
- Special finishes

SPEEDLOCK STEEL GRITS are high-carbon cast steel angular grits produced by crushing specially heat treated shot pellets to provide the different toughness and hardness to cater for its various applications.

SPEEDLOCK STEEL GRITS do not chip away on impact but remain full-size much longer than any other grits of similar grade. Thus, **Lower Cost** is possible with better penetration of the blasted surfaces.

• **High Production** • **Low Maintenance** • **Low Consumption**

TYPES OF STEEL GRIT AVAILABLE * GP - GL - GH

SPEEDLOCK STEEL SHOTS has the longest life of all cast steel abrasives, regardless of composition and hardness. This is achieved through fully-controlled casting and heat treatment processes. The toughest and most impact-resistant tempered martensite is obtained and has been specially selected for use in any auto-blast machine due to its faster cleaning efficiency.

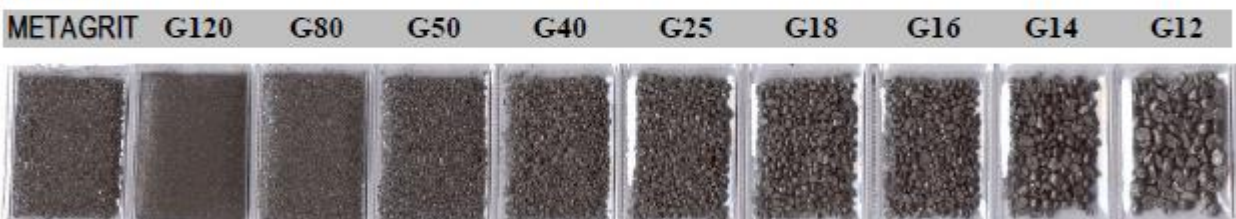
SPEEDLOCK STEEL SHOTS are of the same uniform quality to ensure **uniform blast cleaning results**.

DIFFERENT SIZES OF SPEEDLOCK STEEL SHOTS & GRITS

SHOTS



GRITS



Technical Specification of Speedlock Steel Grit/Shot

PROPERTY	SHOT	GP	GL	GH
SIZE	All materials are screened to meet or exceed SAE Specs			
CHEMICAL COMPOSITION				
Carbon	0.85 - 1.20			
Manganese	0.60 - 1.20			
Silicon	0.50 - 1.20			
Sulfur	Less than 0.05			
Phosphorus	Less than 0.05			
AVERAGE HARDNESS	45 - 50 HRC	46 - 50 HRC	56 - 60 HRC	61 - 65 HRC
AVERAGE HARDNESS DEVIATION	Maximum average deviation 3.0 HRC. Hardness is tested with a Tukon Microhardness Tested with Knoop Indenter, 10000 gm load or equivalent.			
MICROSTRUCTURE	Highly refined and homogeneous tempered martensite		Martensite, completely fine & uniform	
MINIMUM DENSITY (as determined by displacement of alcohol)	7.4 g/cc	7.6 g/cc	7.6 g/cc	7.6 g/cc

Grain Distribution of Speedlock Steel Grit

Mesh	Size (mm)	Specifications									
		SG.H.L.P-2.5	SG.H.L.P-2.0	SG.H.L.P-1.7	SG.H.L.P-1.4	SG.H.L.P-1.2	SG.H.L.P-1.0	SG.H.L.P-0.7	SG.H.L.P-0.4	SG.H.L.P-0.3	SG.H.L.P-0.2
7	2.80	All Pass									
8	2.36		All Pass								
10	2.00	80% min		All Pass							
12	1.70	90% min	80% min		All Pass						
14	1.40		90% min	80% min		All Pass					
16	1.18			90% min	75% min		All Pass				
18	1.00				85% min	75% min		All Pass			
20	0.850								All Pass		
25	0.710					85% min	70% min			All Pass	
30	0.600										
35	0.500						80% min				All Pass
40	0.425							70% min			
45	0.355										
50	0.300							80% min	65% min		
80	0.180								75% min	65% min	
120	0.125									75% min	60% min
200	0.175										70% min
325	0.045										
SAE		G - 10	G - 12	G - 14	G - 16	G - 18	G - 25	G - 40	G - 50	G - 80	G - 120

Steel Shot

Mesh	Size (mm)	Specifications									
		SS - 2.5	SS - 2.0	SS - 1.7	SS - 1.4	SS - 1.2	SS - 1.0	SS - 0.8	SS - 0.6	SS - 0.5	SS - 0.3
7	2.80	All Pass									
8	2.36		All Pass								
10	2.00	85% min		All Pass	All Pass						
12	1.70	97% min	85% min		5%	All Pass					
14	1.40		97% min	85% min		5%	All Pass				
16	1.18			97% min	85% min		5%	All Pass			
18	1.00				96% min	85%		5%	All Pass		
20	0.850					96%	85%		5%	All Pass	
25	0.710						96%	85%		10%	
30	0.600							96%	85%		All Pass
35	0.500								97%	85%	10%
40	0.425										
45	0.355										80% min
50	0.300										90% min
80	0.180										
120	0.125										
200	0.175										
325	0.045										
SAE		S - 780	S - 660	S - 550	S - 460	S - 390	S - 330	S - 280	S - 230	S - 170	S - 110