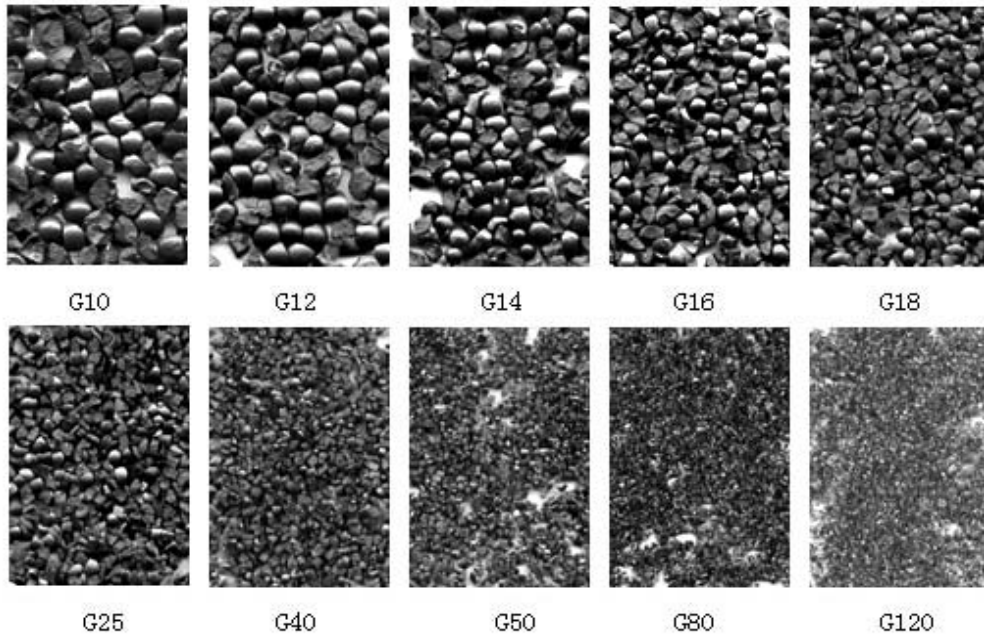


## STEEL GRIT

A cast steel angular grit is produced by crushing specially heat treated oversize shot pellets. It is utilised for blast cleaning or surface preparation.



## CHEMICAL INDEX

Products		Steel Grit
Chemical Composition	C	0.70~1.20%
	Mn	0.35~1.20%
	Si	0.40~1.20%
	S	≤0.05%
	P	≤0.05%
Microhardness		GP:42~50HRC (399~509HV) GL:56~60HRC (620~713HV) GH:63~66HRC (795~889HV)
Hardness Deviation		Max Deviation ±3.0HRC
Microstructure		Tempered Martensite or Sorbite
Density		7.4g/cm <sup>3</sup>

## APPLICATION

Blast cleaning of cast steel grit :used for blast cleaning of casting, die-casting, forging, sand removal of casting, steel plate, H type steel, steel structure.

Rust removal of cast steel grit:Rust removal of casting, forging, steel plate, H type steel, steel structure, descaling of forging.

Shot blasting of cast steel grit: Shot blasting of profile steel, ship board, steel board, steel material.

Shot blasting of cast steel: Shot blasting of steel board, profile steel, steel structure.

Pre-treatment of cast steel grit: Pre-treatment of surface, steel board, profile steel, steel structure, before-painting.

## APPLICATION DEVICES

Steel grit is mainly used for the following equipments including rotary barrel shot blasting machine,rubber pedrail type shot blasting Machine, cartype shot blasting machine, table type shot blasting machine , hook &pendent-chain & step-by-step shot blasting machine, hook type shot blast machine ,roller path type shot blasting machine and steel plate pretreatment production line, steel tube inside and outside shot blasting machine,plank spring ,round spring,crank shaft,connecting rod shot peening machine,aluminium alloy,zinc alloy,stainless steel professional sand surface machine,cylinder block(cylinder cover) professional machine,engineer machinery,automobile industry,motorcycle industry's shot blasting machine,shot blasting machine is used for shipping,kryptol surface,profiled bar,the whole vehicle shot blasting machine,metal strip shot peening machine,chain turntable type shot blasting machine,steel plate shot blasting machine,net strip type shot blasting machine,tray round shot blasting machine,porcelain tile shot blasting machine,hook swing type shot blasting machine and so on.

## DISTRIBUTION

mm	Specification of Steel Grit mm										
	2.5	2.0	1.7	1.4	1.2	1.0	0.7	0.4	0.3	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						
13	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										
25	0.710					85%min	70%min		all pass		
30	0.600										
35	0.500						80%min				
40	0.425							70%min		all pass	
45	0.355										
50	0.300							80%min	65%min		all pass
80	0.180								75%min	65%min	
120	0.125									75%min	60%min
200	0.075										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	

#### GP STEEL GRIT

Angular when new, this grit rapidly rounds off in use and is particularly suited to descaling applications.

#### GL STEEL GRIT

Although harder than GP steel grit, GL also loses its sharp edges during shotblasting and is particularly suited to descaling and surface preparation applications.

#### GH STEEL GRIT

Having maximum hardness, GH always remains angular in its operating mix. These abrasives are particularly effective in surface treatment processes and produce a uniform, etched finish. GH angular grit should only be used in wheel machines where working requirements take precedence over cost price considerations (for example with rolling mill cylinders or when a special finish is needed). For use mainly with compressed air equipment.

