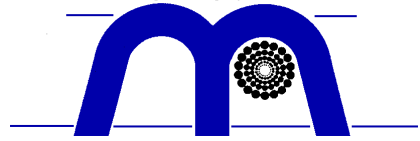


Premium High Performance Iron Grit and Shot Media

	Iron Grit	Iron Shot
Shape when new	Angular	Round
Typical average hardness: Tukon durometer Knoop diamond point 1000g load	≥ 57 HRC	≥ 57 HRC
Vickers pyramid 10kg 5kg 2.5kg 1.0kg according to particle size	≥ 650 HV	≥ 650 HV
Mean hardness deviation*	± 3 HRC or ± 40 HV	± 3 HRC or ± 50 HV
Microstructure	Chilled iron microstructure a white iron eutectic	structure of cementite and martensite
Minimum density measured by alcohol displacement	≥ 7.0 g/cm ³	≥ 7.0 g/cm ³
* On 10 measurements taken halfway across the grain radius. Arithmetic mean of absolute values of deviation ±3 HRC		

Iron Grit Particle Size Specification

Product Size (mm)	% : min & max cumulative percentages allowed on corresponding sieves															
	0%		80% min	90% min												
G80 2.0 - 2.8	0%		80% min	90% min												
G66 1.7 - 2.4		0%		80% min	90% min											
G55 1.4 - 2.0			0%		80% min	90% min										
G47 1.2 - 1.7				0%		75% min	85% min									
G39 1.0 - 1.4					0%		75% min		85% min							
G34 0.85 - 1.2						0%		75% min		85% min						
G24 0.6 - 1.0							0%			70% min		85% min				
G17 0.42 - 0.85								0%				70% min		80% min		
G12 0.3 - 0.71									0%					65% min		85% min
G07 0.18 - 0.42												0%			65% min	75% min
G05 0.12 - 0.3														0%		60% min
G02 <0.13																All Pass
BS Sieve No.	6	7	8	10	12	14	16	18	22	25	30	36	44	52	85	120
SAE Sieve No.	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120
Aperture	2.80	2.36	2.00	1.70	1.40	1.18	1.00	0.85	0.71	0.60	0.50	0.425	0.355	0.30	0.18	0.125



Premium High Performance Iron Grit and Shot Media

	Iron Grit	Iron Shot
Shape when new	Angular	Round
Typical average hardness: Tukon durometer Knoop diamond point 1000g load	≥ 57 HRC	≥ 57 HRC
Vickers pyramid 10kg 5kg 2.5kg 1.0kg according to particle size	≥ 650 HV	≥ 650 HV
Mean hardness deviation*	± 3 HRC or ± 40 HV	± 3 HRC or ± 50 HV
Microstructure	Chilled iron microstructure a white iron eutectic	structure of cementite and martensite
Minimum density measured by alcohol displacement	≥ 7.0 g/cm ³	≥ 7.0 g/cm ³
* On 10 measurements taken halfway across the grain radius. Arithmetic mean of absolute values of deviation ±3 HRC		

Iron Shot Particle Size Specification

Product Size (mm)	% : min & max cumulative percentages allowed on corresponding sieves																			
	3	4	5	6	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	
S1320 3.3 - 4.8			90 % min		100 % min															
S1110 2.8 - 4.0				90 % min		100 % min														
S950 2.4 - 3.3					90 % min		100 % min													
S800 2.0 - 2.8							85 % min		95 % min											
S660 1.7 - 2.4								85 % min		95 % min										
S550 1.4 - 2.0									85 % min		95 % min									
S470 1.2 - 1.7										80 % min		95 % min								
S390 1.0 - 1.4											80 % min		95 % min							
S340 0.85 - 1.2												80 % min		95 % min						
S240 0.6 - 0.85														75 % min		95 % min				
S170 0.42 - 0.71																75 % min		95 % min		
BS Sieve No.	3	4	5	6	7	8	10	12	14	16	18	22	25	30	36	44	52	85		
SAE Sieve No.				7	8	10	12	14	16	18	20	25	30	35	40	45	50	80		
Aperture	4.75	4.00	3.35	2.80	2.40	2.00	1.70	1.40	1.18	1.00	0.85	0.71	0.60	0.500	0.425	0.35	0.30	0.180		