



W Abrasives®
your key success factor

Metabrasive Ltd

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	