

## Premium High Performance Steel Shot Abrasive Media

	Steel Shot
Shape when new	Round
Typical average hardness: Tukon durometer Knoop diamond point 1000g load	Normal 45 - 51 HRC Special 51 - 57 HRC
Vickers pyramid 10kg 5kg 2.5kg 1.0kg according to particle size	Normal 450 - 520 HV Special 530 - 630 HV
Mean hardness deviation*	± 3 HRC or ± 40 HV
Microstructure	tempered martensite completely fine and uniform
Minimum density measured by alcohol displacement	≥ 7.0 g/cm <sup>3</sup>
* On 10 measurements taken halfway across the grain radius. Arithmetic mean of absolute values of deviation ±3 HRC	

## ISO 11124-3 Size Grading for Steel Shot

Product Size (mm)	% : min & max cumulative percentages allowed on corresponding sieves															
	0%		85% min	97% min												
<b>S780</b> 2.0 - 2.8																
<b>S660</b> 1.7 - 2.4		0%		85% min	97% min											
<b>S550</b> 1.4 - 2.0			0%		85% min	97% min										
<b>S460</b> 1.2 - 1.7			0%	5% max		85% min	96% min									
<b>S390</b> 1.0 - 1.4				0%	5% max		85% min	96% min								
<b>S330</b> 0.85 - 1.2					0%	5% max		85% min	96% min							
<b>S280</b> 0.71 - 1.0						0%	5% max		85% min	96% min						
<b>S230</b> 0.6 0 0.85							0%	10% max		85% min	97% min					
<b>S170</b> 0.42 - 0.71								0%	10% max			85% min	97% min			
<b>S110</b> 0.3 - 0.5										0%	10% max			80% min	90% min	
<b>S70</b> 0.18 - 0.35												0%	10% max		80% min	90% min
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