

S.A.E SPECIFICATIONS FOR SHOT AND GRIT SCREENINGS

SAE Size No.	SAE J444 SHOT Tolerances	Screen Opening In-mm	
S780	All Pass No. 7 Screen.....	.1110 - 2.80	
	85% Min on No. 10 Screen.....	.0787 - 2.00	
	97% Min on No. 12 Screen.....	.0661 - 1.70	
S660	All Pass No. 8 Screen.....	.0937 - 2.36	
	85% Min on No. 12 Screen.....	.0661 - 1.70	
	97% Min on No. 14 Screen.....	.0555 - 1.40	
S550	All Pass No. 10 Screen0787 - 2.00	
	85% Min on No. 14 Screen.....	.0555 - 1.40	
	97% Min on No. 16 Screen.....	.0469 - 1.18	
S460	All Pass No. 10 Screen0787 - 2.80	
	5% Max on No. 12 Screen.....	.0661 - 1.70	
	85% Min on No. 16 Screen.....	.0469 - 1.18	
	96% Min on No. 18 Screen.....	.0394 - 1.00	
S390	All Pass No. 12 Screen.....	.0661 - 1.70	
	5% Max on No. 14 Screen.....	.0555 - 1.40	
	85% Min on No. 18 Screen.....	.0394 - 1.00	
	96% Min on No. 20 Screen.....	.0331 - 0.850	
S330	All Pass No. 14 Screen.....	.0555 - 1.40	
	5% Max on No. 16 Screen.....	.0469 - 1.18	
	85% Min on No. 20 Screen.....	.0331 - 0.850	
	96% Min on No. 25 Screen.....	.0278 - 0.710	
S280	All Pass No. 16 Screen.....	.0469 - 1.18	
	5% Max on No. 18 Screen.....	.0394 - 1.00	
	85% Min on No. 25 Screen.....	.0278 - 0.710	
	96% Min on No. 30 Screen.....	.0234 - 0.600	
S230	All Pass No. 18 Screen.....	.0394 - 1.00	
	10% Max on No. 20 Screen.....	.0331 - 0.850	
	85% Min on No. 30 Screen.....	.0234 - 0.600	
	97% Min on No. 35 Screen.....	.0197 - 0.500	
S170	All Pass No. 20 Screen.....	.0331 - 0.850	
	10% Max on No. 25 Screen.....	.0278 - 0.710	
	85% Min on No. 40 Screen.....	.0165 - 0.425	
	97% Min on No. 45 Screen.....	.0139 - 0.355	
S110	All Pass No. 30 Screen.....	.0234 - 0.600	
	10% Max on No. 35 Screen.....	.0197 - 0.500	
	80% Min on No. 50 Screen.....	.0117 - 0.300	
	90% Min on No. 80 Screen.....	.0070 - 0.180	
S70	All Pass No. 40 Screen.....	.0165 - 0.425	
	10% Max on No. 45 Screen.....	.0139 - 0.355	
	80% Min on No. 80 Screen.....	.0070 - 0.180	
	90% Min on No. 120 Screen.....	.0049 - 0.125	

SAE Size No.	SAE J444 GRIT Tolerances	Screen Opening In-mm	
G10	All Pass No. 7 Screen.....	.1110 - 2.80	
	80% Min on No. 10 Screen.....	.0787 - 2.00	
	90% Min on No. 12 Screen.....	.0661 - 1.70	
G12	All Pass No. 8 Screen.....	.0937 - 2.36	
	80% Min on No. 12 Screen.....	.0661 - 1.70	
	90% Min on No. 14 Screen.....	.0555 - 1.40	
G14	All Pass No. 10 Screen0787 - 2.00	
	80% Min on No. 14 Screen.....	.0555 - 1.40	
	90% Min on No. 16 Screen.....	.0469 - 1.18	
G16	All Pass No. 12 Screen0661 - 1.70	
	75% Min on No. 16 Screen.....	.0469 - 1.18	
	85% Min on No. 18 Screen.....	.0394 - 1.00	
G18	All Pass No. 14 Screen.....	.0555 - 1.40	
	75% Min on No. 18 Screen.....	.0394 - 1.00	
	85% Min on No. 25 Screen.....	.0278 - 0.710	
G25	All Pass No. 16 Screen.....	.0469 - 1.18	
	70% Min on No. 25 Screen.....	.0278 - 0.710	
	80% Min on No. 40 Screen.....	.0165 - 0.425	
G40	All Pass No. 18 Screen.....	.0394 - 1.00	
	70% Min on No. 40 Screen.....	.0165 - 0.425	
	80% Min on No. 50 Screen.....	.0117 - 0.300	
G50	All Pass No. 25 Screen.....	.0278 - 0.710	
	65% Min on No. 50 Screen.....	.0117 - 0.300	
	75% Min on No. 80 Screen.....	.0070 - 0.180	
G80	All Pass No. 40 Screen.....	.0165 - 0.425	
	65% Min on No. 80 Screen.....	.0070 - 0.180	
	75% Min on No. 120 Screen.....	.0049 - 0.125	
G120	All Pass No. 50 Screen.....	.0117 - 0.300	
	60% Min on No. 120 Screen.....	.0049 - 0.125	
	70% Min on No. 200 Screen.....	.0029 - 0.075	

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Screen Opening Sizes and Screen Numbers with Max and Min Cumulative Percentages Allowed on Corresponding Screens. ASTM-E-11 and ISO 565 Test Sieves.