

S.A.E. Shot Screening Specifications

Screen Opening Sizes and Screen Numbers with Max and Min Cumulative Percentages allowed on Corresponding Screens.

S.A.E. Size No.	SHOT Tolerances	Screen Opening
S780	all pass No 7 Screen.....	0.111
	85% Min on No 10 Screen.....	0.0787
	97% Min on No 12 Screen.....	0.0661
S660	all pass No 8 Screen.....	0.0937
	85% Min on No 12 Screen.....	0.0661
	97% Min on No 14 Screen.....	0.0555
S550	all pass No 10 Screen.....	0.0787
	85% Min on No 14 Screen.....	0.0555
	97% Min on No 16 Screen.....	0.0469
S460	all pass No 10 Screen.....	0.0787
	5% Max on No 12 Screen.....	0.0661
	85% Min on No 16 Screen.....	0.0469
	96% Min on No 18 Screen.....	0.0394
S390	all pass No 12 Screen.....	0.0661
	5% Max on No 14 Screen.....	0.0555
	85% Min on No 18 Screen.....	0.0394
	96% Min on No 20 Screen.....	0.0331
S330	all pass No 14 Screen.....	0.0555
	5% Max on No 16 Screen.....	0.0469
	85% Min on No 20 Screen.....	0.0331
	96% Min on No 25 Screen.....	0.0280
S280	all pass No 16 Screen.....	0.0469
	5% Max on No 18 Screen.....	0.0394
	85% Min on No 25 Screen.....	0.0280
	96% Min on No 30 Screen.....	0.0232
S230	all pass No 18 Screen.....	0.0394
	10% Max on No 20 Screen.....	0.0331
	85% Min on No 30 Screen.....	0.0232
	97% Min on No 35 Screen.....	0.0197
S170	all pass No 20 Screen.....	0.0331
	10% Max on No 25 Screen.....	0.0280
	85% Min on No 40 Screen.....	0.0165
	97% Min on No 45 Screen.....	0.0138
S110	all pass No 30 Screen.....	0.0232
	10% Max on No 35 Screen.....	0.0197
	80% Min on No 50 Screen.....	0.0117
	90% Min on No 80 Screen.....	0.007
S70	all pass No 40 Screen.....	0.0165
	10% Max on No 45 Screen.....	0.0138
	80% Min on No 80 Screen.....	0.007
	90% Min on No 120 Screen.....	0.0049

S.A.E. Grit Screening Specifications

Screen Opening Sizes and Screen Numbers with Max and Min Cumulative Percentages allowed on Corresponding Screens.

S.A.E. Size No.	GRIT Tolerances	Screen Opening
G10	all pass No 7 screen.....	0.111
	80% Min on No 10 screen.....	0.0787
	90% Min on No 12Screen.....	0.0661
G12	all pass No 8 Screen.....	0.0937
	80% Min on No 12 Screen.....	0.0661
	90% Min on No 14 Screen.....	0.0555
G14	all pass No 10 Screen.....	0.0787
	80% Min on No 14 Screen.....	0.0555
	90% Min on No 16 Screen.....	0.0469
G16	all pass No 12 Screen.....	0.0661
	75% Min on No 16 Screen.....	0.0469
	85% Min on No 18 Screen.....	0.0394
G18	all pass No 4 Screen.....	0.0555
	75% Min on No 18 Screen.....	0.0394
	85% Min on No 25 Screen.....	0.0280
G25	all pass No 16 Screen.....	0.0469
	70% Min on No 25 Screen.....	0.0280
	80% Min on No 40 Screen.....	0.1650
G40	all pass No 18 Screen.....	0.0394
	70% Min on No 40 Screen.....	0.0165
	80% Min on No 50Screen.....	0.0117
G50	all pass No 25 Screen.....	0.0280
	65% Min on No 50 Screen.....	0.0117
	75% Min on No 80 Screen.....	0.007
G80	all pass No 40 Screen.....	0.0165
	65% Min on No 80 Screen.....	0.007
	75% Min on No 120 Screen.....	0.0049
G120	all pass No 50 Screen.....	0.0117
	60% Min on No 120 Screen.....	0.0049
	70% Min on No 200 Screen.....	0.0029

