

**TABLE 703.4—STANDARD SIZES OF COARSE AGGREGATES
AASHTO M 43**

Size number	Nominal size square openings (1)	Amounts finer than each laboratory sieve (square openings), percentage by weight														
		4	3-1/2	3	2-1/2	2	1-1/2	1	3/4	1/2	3/8	No. 4	No. 8	No. 16	No. 50	No. 100
1	3-1/2 to 1-1/2	100	90 to 100	25 to 60	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
2	2-1/2 to 1-1/2	100	90 to 100	35 to 70	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
24	2-1/2 to 3/4	100	90 to 100	25 to 60	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
3	2 to 1	100	90 to 100	35 to 70	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
357	2 to No. 4	100	95 to 100	35 to 70	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
4	1-1/2 to 3/4	100	90 to 100	20 to 55	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
467	1-1/2 to No. 4	100	95 to 100	20 to 55	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
5	1 to 1/2	100	90 to 100	20 to 55	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
56	1 to 3/8	100	90 to 100	40 to 75	15 to 35	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
57	1 to No. 4	100	95 to 100	25 to 60	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
6	3/4 to 3/8	100	90 to 100	20 to 55	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
67	3/4 to No. 4	100	90 to 100	20 to 55	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
68	3/4 to No. 8	100	90 to 100	30 to 65	5 to 25	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
7	1/2 to No. 4	100	90 to 100	40 to 70	0 to 15	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
78	1/2 to No. 8	100	90 to 100	40 to 75	5 to 25	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
8	3/8 to No. 8	100	85 to 100	10 to 30	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
89	3/8 to No. 16	100	90 to 100	20 to 55	5 to 30	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
9	No. 4 to No. 16	100	85 to 100	10 to 40	0 to 10	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5
10	No. 4 to 0 (2)	100	85 to 100	10 to 30	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5	0 to 5

(1) In inches, except where otherwise indicated. Numbered sieves are those of the United States Standard Sieve Series.
(2) Screenings.

TABLE 704 6.2 GRADATION AND QUALITY REQUIREMENTS

Sieve Size	Gradation—Amounts Finer Than Each Laboratory Sieve (Square Openings), Percentage by Weight							Los Angeles Abrasion, Percent, Max.	Sodium Sulphate Soundness, Percent, Max.	Liquid Limit Max.	Plasticity Index, Max.	Deleterious Material Percent, Max.		
	8"	2"	1 1/2"	3/4"	#4	#40	#100							
Class 1			100	50-90	20-50	5-20		0-7	50	12	25	6	5	
Class 2			100	80-100	35-75	10-30		0-10	50	12	25	6	5	
Class 4			100	50-95	20-60	5-35			Note 1		25	6	5	
Class 5		100			30-90			0-25			25	6	5	
Class 6			100	50-100	25-70	10-45	3-28				25	6	5	
Class 7	90-100	0-5	with intermediate sizes between 6" and 4" represented									30		10 (by visual observation)
Class 8			100	80-100	35-75	10-40		4-14	50	12	25	6	5	

Note 1. The Los Angeles Abrasion value of aggregate comprising the base course shall be treated in the manner hereinafter set forth to determine the specification requirement for the item:

Los Angeles Abrasion Value Assigned to the Base Course Aggregate	}	LA ≤ 50	Stabilization Requirements	}	None
		50 < LA ≤ 65			Top 4 inches
		65 < LA ≤ 80			Top 6 inches
		80 < LA			Top 8 inches

Stabilization shall be accomplished with bituminous material or portland cement in accordance with the applicable sections of these Specifications. When the depth indicated above exceeds the Plan depth for the item, the depth to be stabilized shall be the Plan depth. In the event the Contractor elects to stabilize the material, no separate payment will be made for the cost of such stabilization.

If aggregates are blended to produce the base course material, the Los Angeles Abrasion Value used to determine the stabilization requirements shall be the highest value obtained from testing the individual components of the blend.