
Standard Specification for Sizes of Aggregate for Road and Bridge Construction

AASHTO Designation: M 43-05 (2022)¹

Technically Revised: 2005

Reviewed but Not Updated: 2022

Technical Subcommittee: 1c, Aggregates

ASTM Designation: [D448-12\(2017\)](#)



**American Association of State Highway and Transportation Officials
555 12th Street NW, Suite 1000
Washington, D.C. 20001**

Standard Specification for

Sizes of Aggregate for Road and Bridge Construction

AASHTO Designation: M 43-05 (2022)¹

AASHTO

Technically Revised: 2005

Reviewed but Not Updated: 2022

Technical Subcommittee: 1c, Aggregates

ASTM Designation: [D448-12\(2017\)](#)

1. SCOPE

- 1.1. This specification defines aggregate size designations and ranges in mechanical analyses for standard sizes of coarse aggregate and screenings for use in the construction and maintenance of various types of highways and bridges.
- 1.2. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
- [R 90](#), Sampling Aggregate Products
 - [T 27](#), Sieve Analysis of Fine and Coarse Aggregates
- 2.2. *ASTM Standard:*
- [E11](#), Standard Specification for Woven Wire Test Sieve Cloth and Test Sieves

3. SIGNIFICANCE AND USE

- 3.1. Some contract documents specify certain aggregate sizes for specific uses or may suggest one or more of these sizes as appropriate for the preparation of various end-product mixtures. In some cases, closer limits on variability of the aggregate grading are required.

4. MANUFACTURE

- 4.1. The standard sizes of aggregate described in this classification are manufactured by means of any suitable process used to separate raw material into the desired size ranges. Production of standard sizes by blending two or more different components is also permitted.

5. STANDARD SIZES

- 5.1. Standard sizes of coarse aggregate shall comply with the sizes given in Table 1. All sizes shall be determined by means of laboratory sieves having square openings and conforming to [ASTM E11](#).