



WIRE-CLOTH SIEVES MGS-94-07A

1.0 DESCRIPTION. This specification covers wire-cloth sieves.

2.0 MATERIALS.

2.1 Wire Cloth. Wire cloth shall be of the specified opening and shall comply with the requirements of AASHTO M 92.

2.2 Eight (8) Inch (203.2 mm) Sieves.

2.2.1 Frames for eight (8) inch (203.2 mm) sieves shall comply with AASHTO M 92 and shall be fitted with wire cloth of the specified opening.

2.3 Ten (10) Inch (254 mm) Sieves.

2.3.1 Frames for ten (10) inch (254 mm) sieves shall be circular, 10.00 in. (254.0 mm) in diameter. The permissible variation on the mean inside diameter 0.2 in. (5.08 mm) below the top of the frame shall be +0.03 in. (0.8 mm). The bottom of the frame of "sieve skirt" shall be so constructed as to provide for an easy sliding fit in any sieve conforming to the above permissible variation, and in no case shall this outside diameter be less than 9.97 in. (253.2 mm) nor more than 10.00 in. (254.0 mm). The height of the sieve from the top of the frame to the wire-cloth surface shall be either 2 in. (50.8 mm), designated as full-height, or 1 in. (25.4 mm), designated as half-height. The joint or fillet shall be so constructed as to allow a minimum clear sieving surface 9.5 in. (241.3 mm) in diameter.

2.3.2 The 10 inch (254 mm) sieves shall be fitted with wire cloth of the specified opening.

2.4 Twelve (12) Inch (304.8 mm) Sieves.

2.4.1 Frames for twelve (12) inch (304.8 mm) sieves shall be circular, 12.00 in. (304.8 mm) in diameter. The permissible variation on the mean inside diameter 0.2 in. (5.08 mm) below the top of the frame shall be +0.03 in. (0.8 mm). The bottom of the frame of "sieve skirt" shall be so constructed as to provide for an easy sliding fit in any sieve conforming to the above permissible variation, and in no case shall this outside diameter be less than 11.97 in. (304.0 mm) nor more than 12.00 in. (304.8 mm). The height of the sieve from the top of the frame to the wire-cloth surface shall be either 2 in. (50.8 mm), designated as full-height, or 1 in. (25.4 mm), designated as half-height. The joint or fillet shall be so constructed as to allow a minimum clear sieving surface 11.5 in. (292.1 mm) in diameter.

2.4.2 The 12 inch (304.8 mm) sieves shall be fitted with wire cloth of the specified opening.

2.5 Rectangular Sieving Trays.

2.5.1 Frames for rectangular sieving trays shall of the size set forth in the bid request and shall be designed for use in the specified brand and model of shaker. The frames shall be of sturdy metal construction and shall be filled with wire cloth of the specified opening.

3.0 ORDERING INFORMATION.

3.1 Circular Sieves. The bid request will state the frame size and the wire cloth opening size.

3.2 Rectangular Sieving Trays. The bid request will state the brand and model of the shaker for which the trays are being ordered and the wire cloth opening size.

4.0 ACCEPTANCE.

4.1 Upon delivery the sieves will be verified for compliance with these specifications. Sieves which do not comply with these specifications will be returned to the supplier within 30 days from the date of receipt for replacement with complying sieves.