

Stainless Steel Manhole Insert Specifications

The insert

The insert body shall be manufactured of 304 or 316 Stainless Steel with a thickness of 16 gauge. The insert shall have a deep-dish bowl design to allow for easy removal of the manhole cover. The insert shall be designed to provide a sufficiently loose fit into the manhole frame to allow easy removal. The insert shall pass a load test greater than 3,000 pounds.

The Gasket

The gasket shall be made of closed cell neoprene and shall have a pressure-sensitive adhesive on one side. The gasket shall have a minimum total thickness of 1/8 inch. The gasket is to be installed by the manufacturer.

The Handle

The Handle, cable terminal and cable eye end are manufactured from stainless steel. The handle is manufactured from 3/16" plastic coated stainless steel cable and is attached with a #66 stainless steel rivet and a 1" diameter backup washer. The cable is braided in a manner which resists cutting with bolt cutters.

Relief Valve

The gas relief valve shall be designed to release at a pressure of 0.5 to 1.5 psi and have a water leak down rate no greater than 5 gallons per 24 hours. The valve shall be installed in the insert by means of a hole tapped in the insert by the manufacturer. The valve is made from material that is resistant to Hydrogen Sulfide, Sulfuric Acid and other substances found in sanitary Sewer systems.

Product Disclaimer

The durable stainless steel manhole cover inserts are not designed, nor intended for use under the following circumstances: (A) The insert used as a substitute or replacement manhole cover device, (B) The insert used as a means of impeding manhole entry, (C) The insert used as a stand-alone load bearing surface for traffic or pedestrians, (D) The insert has been used for any purpose other than that for which it has been specifically designed.

Sealing Systems, Inc.

9350 County Road 19 * Loretto, MN 55357 * 763-478-2057 * 800-478-2054 * Fax 763-478-8868 *
www.ssisealingsystems.com