

Rainstopper Stainless Steel- Manhole Insert Specifications

1 The Insert

1.1 The insert body is manufactured of 1.2mm thick 304 Stainless Steel. The insert may have a straight-or angled side design to allow a loose fit into the ring for easy removal. The inserts are custom made to fit the manhole frame, outside diameter and inside diameter.

2 The Gasket

2.1 The gasket shall is made of closed cell neoprene and is a pressure-sensitive adhesive on one side. The gasket has a minimum total thickness of 3mmx18mm wide. The gasket is to be installed by the manufacturer.

3 The Handle

3.1 The insert has a handle made of 6.5mm plastic coated 304 stainless steel cable installed in the bottom of the insert. The handle is attached with 304 stainless steel round head bolts with flat washers and self-locking nuts. The handle is capable of withstanding a pull force of 200kg.

4 The Gas Relief Valve

4.1 The gas relief valve is made of Nitril H₂S Resistant rubber, designed to release at a pressure of 0.5 to 1.5 psi and have a water leak down rate no greater than 20 liters per 24 hours. The valve is installed in the insert by means of a hole tapped in the insert

5.The 304 SS insert comes with a 25 year manufactures warranty,

6 Product Disclaimer

6.2 The Rainstopper stainless steel manhole inserts are not designed, nor intended for use under the following circumstances:

(A) The insert used as a substitute or replacement for a manhole Cover/Lid.

(B) The insert is used as a means of impeding manhole entry,

(C) The insert is 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.

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