Application
The Type O stainless steel manhole covers are used on tanks and containers used in a wide range of sanitary applications such as wine, beverages, dairy and foodstuffs. They are designed to fit where a closable means of access to the interior of the vessel, situated below the liquid level, is required.

Working principle
Open the cover by loosening the handle. This range includes covers with various openings. For inspection purposes there are covers with inwards opening. If it is necessary to physically enter the tank there are covers with outwards and/or side-swing openings.

The 440x540 oval cover must be ordered according to the tank diameter in steps from 0.1 to 0.2 m. If the tank diameter is between to steps, the higher diameter should be chosen.

TECHNICAL DATA
Certificate
3.1 (cover and frame are supplied with material certificate 3.1 according to EN10204)

Covers placed below liquid level

<table>
<thead>
<tr>
<th>Cover shape</th>
<th>Type</th>
<th>Seal name</th>
<th>Function</th>
<th>Pressure Range* (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oval</td>
<td>O-320X440D</td>
<td>SO-320</td>
<td>Static tank</td>
<td>19</td>
</tr>
<tr>
<td>Oval</td>
<td>O-395X495D</td>
<td>SO-550</td>
<td>Static tank</td>
<td>46</td>
</tr>
<tr>
<td>Oval</td>
<td>O-440X540D</td>
<td>SO-540</td>
<td>Static tank</td>
<td>46</td>
</tr>
<tr>
<td>Oval</td>
<td>O-445X550D</td>
<td>SO-550</td>
<td>Static tank</td>
<td>46</td>
</tr>
<tr>
<td>Oval</td>
<td>O-531X655D</td>
<td>SO-655</td>
<td>Static tank</td>
<td>58</td>
</tr>
</tbody>
</table>

* Calculated max. pressure (PSI).

PHYSICAL DATA
Materials
Steel parts: 1.4301 (304) or 1.4404 (316L)
Plastic parts: Nylon
Seal: EPDM, NBR, FPM or Silicone

Cover finish: Electropolished
Internal: Less Ra 32µm
External: Less Ra 32µm

Frame: Brushed
Internal: Less Ra 120µm
External: Less Ra 120µm