TiSO semi-automatic bollards are a perfect solution for effective vehicle access control under the circumstances of unavailable power supply. Semi-automatic bollards have gas spring mechanism which is locked at down position and rise rapidly when released. Being complete and independent solution, semi-automatic bollards require manual impact for driveway opening or closing. Regularly this function is provided by staff involved to access control management. The range of semi-automatic bollards is specified by tube’s material, diameter, and rising height of blocking segment.

**Installation areas**
- Governmental Institutions
- Military Bases
- Nuclear Power Plants
- Production sites (Industrial Plants)
- Commercial areas
- Financial institutions
- Airport Premises
- Business (Office) Center
- Hotels
- Sport Complexes
- Recreation areas
- Urban areas
- Education Institutions

www.tiso.global
+380 (44) 291-21-11
e-mail: sales@tiso.global
TECHNICAL SPECS*:

<table>
<thead>
<tr>
<th>Model</th>
<th>RB343-60</th>
<th>RB343-61</th>
<th>RB343-63</th>
<th>RB343-64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube diameter (D), mm</td>
<td>220</td>
<td>273</td>
<td>220</td>
<td>273</td>
</tr>
<tr>
<td>Tube height (H), mm</td>
<td>600</td>
<td>273</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Foundation case dimensions (AxBxC), mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• with lowered anchors</td>
<td>330x380x878</td>
<td>715x754x878</td>
<td>330x380x1078</td>
<td>715x754x1078</td>
</tr>
<tr>
<td>• with raised anchors</td>
<td>671x721x878</td>
<td>715x754x878</td>
<td>671x721x1078</td>
<td>715x754x1078</td>
</tr>
<tr>
<td>Operation temperatures**, °C</td>
<td>-40 / +60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube material</td>
<td>Brushed stainless steel AISI 304</td>
<td>Brushed stainless steel AISI 316</td>
<td>Galvanized and powder coated tube (any RAL up on request)</td>
<td></td>
</tr>
</tbody>
</table>

*technical data is subject to change without notice

**for temperatures lower than -10 °C use the heating device; for temperatures higher than +40 °C use the cooler device
SEMI-AUTOMATIC TRAFFIC BOLLARDS on the gas spring

Standard kit
- Reflective tape
- Key
- Bollard in assembly
- Installation casing

Options
- LED indication
- Sound signal
- Any RAL color
- Additional keys
- Traffic lights

Opening of access
1. Turn the key to unlock.
2. Push the bollard with a foot to retract it in the casing and automatically lock in the down position.

Closing of access
1. Turn the key to back.
2. The bollard raises and automatically lock in the up position.