



A safebolt is a special fastener that lets the operator safely release remaining tank pressure before the manlid cover is operated open. It can be used on all standard hinged manlid assemblies and inspection hatches to prevent the risk of injury to personnel.

IMPORTANT: Installation Precautions

You must always do the procedure to set the retaining collar and weld it in the correct position before the safebolt is put into service. This includes when a safebolt is supplied as part of a complete manlid assembly, and when a safebolt is supplied as a replacement spare part.

For the procedure to set the retaining collar, please refer to the Installation and Operating Instructions ref. **OPIN100**, available from Fort Vale.

Specification

Description

A safebolt assembly includes an eyebolt with pivot pin, a retaining collar and a captivated safebolt handnut

Eyebolt Options

Dimensions: 3/4" BSW thread, Ø16mm eye & pivot pin
 Length: From 66mm to 175.3mm (Length is measured from the centre of the eye to the end of the bolt)

Handnut Options

- Low profile stainless steel
- Extended anti-galling - stainless steel with brass thread
- Low-profile anti-galling - stainless steel with brass thread

Safebolt Assembly Range

Handnut Type	Part No.
Low profile stainless steel	496/4XXX
Extended anti-galling - stainless steel with brass thread insert	496/CXXXSB
Low profile anti-galling - stainless steel with brass thread insert	496/EXXXSB

NOTE: The eyebolt length changes the Part No.

Related Parts (Refer to the next section)

Description	Part No.
Conversion kit: Includes the special retaining bracket and an information label (The safebolt assembly is not included)	701/KIT

500mm Manlid Cover Design Update: July 2025

From July 2025, the design of our 500mm manlid covers changed. The new geometry of the manlid cover lug brackets means that a special retaining bracket is welded to the cover lug bracket where a safebolt is installed. Refer to Figure 2. If you order a new manlid assembly with a safebolt, Fort Vale welds the special bracket.

If you want to change a standard fastener to replace it with a safebolt assembly on a manlid made after July 2025, a conversion kit is necessary, part no. 701/KIT. You must weld the special retaining bracket to the cover lug bracket. This procedure is shown in the Installation and Operating Instructions, ref. **OPIN100**.

For help with how to identify the new manlid cover type, please contact Fort Vale.

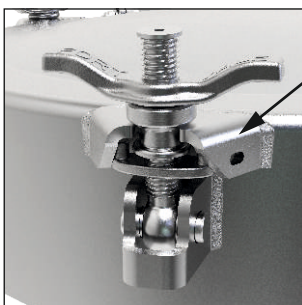


Figure 1
 Manlid cover lug bracket before July 2025



Figure 2
 Manlid cover lug bracket after July 2025, with the special retaining bracket