

Salvo Safety System

Datasheet

DS-EN-Castell-Salvo-SWL-0726-1



The Salvo™ Steering Wheel Lock (SWL) is a mechanical, trapped-key deterrant device fitted to a vehicle's steering wheel to restrict steering wheel rotation. It forms part of the Salvo Loading Dock Safety System, enforcing a controlled, step-by-step loading sequence.

Once fitted, the SWL releases a trapped key that is transferred to the Salvo Control Panel (SCP) and trapped to **authorise** dock door operation. The key, and release of the SWL, is returned only once **loading/unloading** operations are complete and the door dock is closed.

The SWL provides a clear visual indication and physical **deterrent** that loading or unloading operations may still be in progress.

It is used in addition to, and never as a substitute for vehicle restraint, according to applicable local regulations and site-specific safety rules.

Application

The SWL is suitable for rigid vehicles and box trucks of 7.5 tonnes and larger. A typical application is loading-bay safety, where the SWL integrates with the Salvo system to enforce a defined sequence between steering wheel locking and dock door activation, providing a clear visual deterrent against accidental drive-aways and supporting safe operational practice.

Key Features

- Mechanical trapped-key interlock that integrates with the Salvo Control Panel (SCP) to open the dock door when deployed and release it only when the door is closed after the loading/unloading is finished.
- Green 'OK' indicator confirms the SWL has been fitted correctly onto the steering wheel.
- Carry handle for safe handling.
- Corrosion, temperature and drop tested for demanding operating environments.
- Defeatability assessed to BS EN ISO 14119.

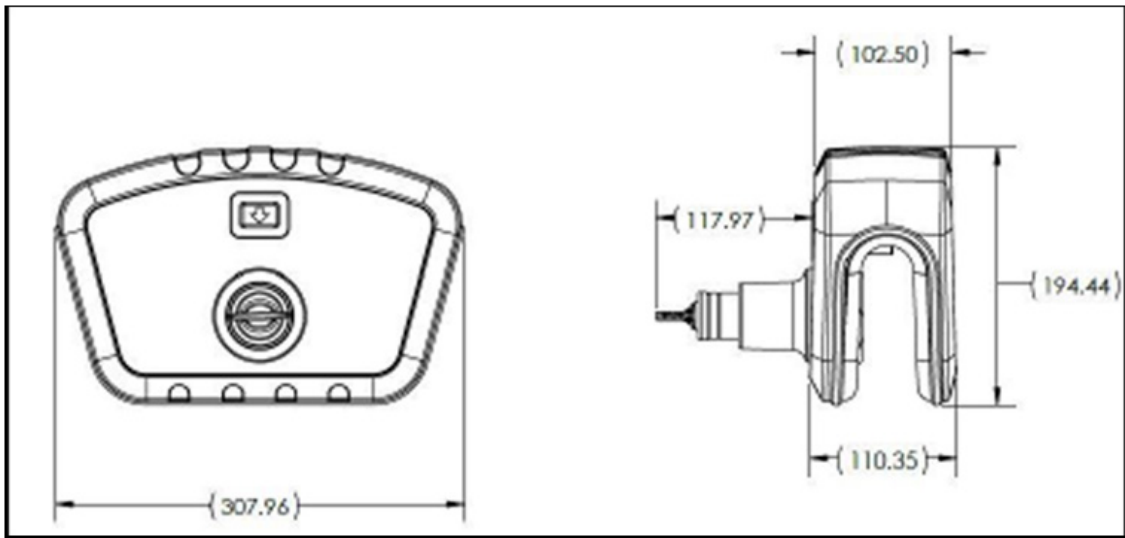
Technical Data

GENERAL	
Product name	SALVO Steering Wheel Lock (SWL)
Part number	SALVO-SWL
Weight	2.8 kg
Housing material	PU / ABS (Shore 90A), aluminium, stainless steel
Lock material	Stainless steel
Colour	Red / Black
Overall dimensions	W 307.96 mm × H 194.44 mm × D 220.47 mm
Minimum steering wheel	External diameter 430 mm; rim edge to wheelbase centre 180 mm
ENVIRONMENTAL & DURABILITY (TESTED)	
Operating temperature	−40 °C to +60 °C
High temperature	+60 °C, per BS EN 60068-2-2
Low temperature	−40 °C, per BS EN 60068-2-1
Salt mist	96 hours, per BS EN 60068-2-11
Drop test	1.5 m, 10 drops, per IEC 60068-2-31
Life cycle	30,000 cycles
LOCKING & SAFETY (TESTED)	
Defeatability	Assessed to BS EN ISO 14119
Key retention force	250 N, per GS-ET-31E clause 4.16 / BS EN ISO 14119:2025
Key blocking torque	5 Nm, per GS-ET-31E clause 4.17 / BS EN ISO 14119:2025
Fixation load	Tested to 1000 N tensile extraction when fitted to a steering wheel; recommended maximum working load 0.5 kN (2.0 safety factor)
COMPLIANCE	
RoHS	Directive 2015/863
REACH	Regulation 1907/2006
Product marking	CE and UKCA marked
Conformity	Declaration of Conformity (self-certified); Technical File per Machinery Directive, Annex VIII. : CSI-100-CE-Declaration

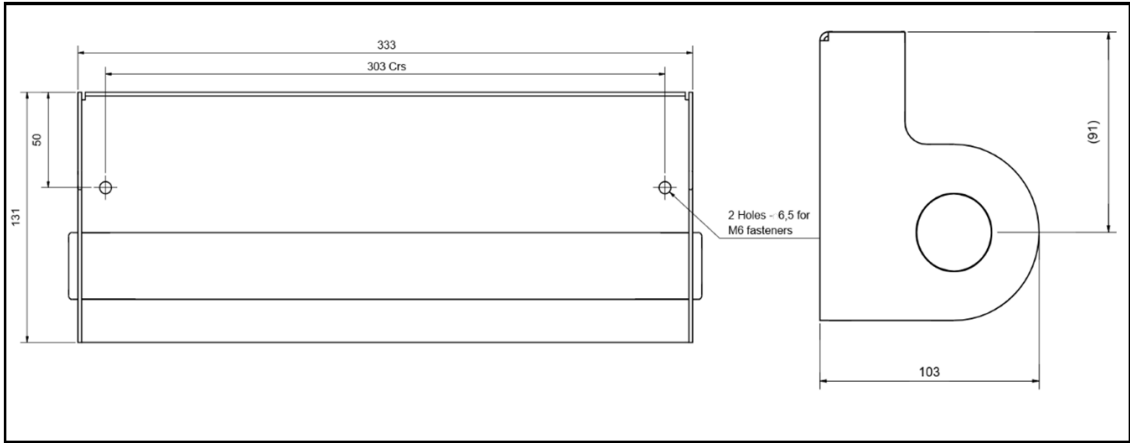
Order Information

Part Number	Title
SALVO -SWL	Salvo Steering Wheel Lock
SALVO - Holder	Salvo Holder — Storage bracket for the SWL (accessory)

Drawing(s)



SWL (Dimension Units – mm)



SALVO-Holder (Dimension Units – mm)

Contact Information

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