

SSF 049

NORM FOR

WHEEL LOCK

REQUIREMENTS AND TEST METHODS

OCTOBER 2020

SSF 049 Edition 2

SSF (the Swedish Theft Prevention Association) is a non-profit association. The aim of the association is to promote safety and security for individuals and property through crime prevention measures, and to help shape opinions and disseminate information with regard to crime prevention. (Excerpt from SSF's by-laws § 1 and § 2. Laid down on May 13, 2011)

SSF, the Swedish Theft Prevention Association, develops and specifies standards for testing and classification within areas considered relevant to the aims of the association. A list of current SSF standards can be found on the SSF website at www.stoldskyddsforeningen.se

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Foreword

SSF's regulations specify properties that are considered to be of importance for functionality and reliability. The regulations seek to specify quality and security ratings that can be applied in general, both in terms of specifying requirements and in conjunction with procurement.

The regulations refer to, or wherever possible are based on, national and international standards and other applicable technical specifications or international quality standards.

Satisfying requirements in a standard can be demonstrated by testing and certification by recognized testing and certification organizations. Products, services, companies and individuals that satisfy applicable regulatory requirements are listed on the SSF website.

Stockholm, October 2020.

Orientation

Thefts of wheels from vehicles is a crime that constitutes a major expense for insurance companies, and hence also for policyholders. Wheels are stolen because rims and tires are of major financial value to thieves on the second-hand market. There are a number of different products on the market in order to defend against this type of crime. This standard must be applied so as to ensure that the product provides satisfactory protection. A number of insurance companies reward use of wheel locks.

This edition 2 of standard SSF 049 has been produced by a work group comprising representatives of the Swedish Association for Motor Retail Trades and Repairs MRF, Upplands Motor, Ringard, Volvo Cars Mechanical Anti-Theft department, Swedish Motor Insurers, Larmtjänst, Svensk Brand och Säkerhetscertifiering SBSC and SSF Swedish Theft Prevention Association.

1 Scope

This standard includes requirements and test methods for mechanical and electronic wheel locks designed to prevent the theft of wheels from cars and lightweight trucks. The requirements relate to the product's implementation, functions and properties from a theft prevention perspective.

The standard occupies three classes; classes 1 to 3, class 3 representing the most stringent requirements.

Note Class 1 and class 2 relate primarily to what are known as locking bolts.

This standard covers wheel locks that must not prevent the vehicle being moved after being fitted.

Requirements are defined for installation instructions and, in some cases, a user guide.

Products that are designed to harm people in the event of an attack are not covered by this standard and are not to be tested in accordance with it.

Changes since previous edition, SSF 049 Wheel lock, edition 1

- A new class 3 has been added
- New tools have been added
- New requirements have been added, including requirements for electromechanical cylinders
- New tests and test methods have been added

This standard is valid from **November 20, 2020** and replaces SSF 049 edition 1, which will be withdrawn as of **May 20, 2021**.

2 References

This standard includes references to other dated and undated documents. These documents have been listed below. In the case of undated references, reference is made to the latest edition of the document.

SS-EN 1670: 2007,	<i>Building hardware – Corrosion Resistance – Requirements and test methods</i>
SS-EN 10277	<i>Bright steel products – Technical delivery conditions</i>
SS-EN ISO/IEC 17025	<i>General requirements for the competence of testing and calibration laboratories</i>
SS-EN 60529	<i>Degrees of protection provided by enclosures (IP Code)</i>
SS-EN 61000-4-2	<i>Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement – Electrostatic discharge immunity test</i>
DIN 6494	<i>Hand saws for metal – Hacksaw blades</i>
SSF 1050	<i>Method description for picking locks</i>