



# Comparison key

*Comparison of technical specifications  
for mechanical anti-intruder products*

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## **Contents**

Preface	3
Secure Storage Units	4
Burglar resistant facades	5
Burglar resistant doors	5
Windows	5
Grilles and shutters	6
Industrial gates	6
Security glazing	7
Locks and latches	7
Padlocks and padlock fittings	8
Lockable fittings for windows	8
Locks for French windows (balcony/patio doors)	8
Key-storage tubes/boxes	9

## **Preface**

### **Comparison of mechanical anti-intruder products**

The document "Product registration" describes the terms and procedures of how to register products at the Nordic insurance associations. The document also lists the product standards and which countries that recognise/acknowledge each standard.

This document shows the connection between old, expired and still valid standards. Products used in security installations must have a valid certificate at the time of the installation. This document shows the connection between different product standards and their classification and can only be used with the latest version of the "product registration" document.

For the purpose of the insurance companies' choice of intruder prevention for e.g. business enterprises, the Nordic insurance associations, Insurance Sweden, Finance Finland, Finance Norway and Insurance & Pension Denmark have devised security levels, skyddsklasser, sikringsniveauer etc. The number and extent of these levels of intruder prevention differ from association to association, but their common trait is that they utilize securing products registered by the individual country's insurance association. As for the individual security levels, skyddsklasser, sikringsniveauer etc. that are utilised, they are subject to quality and functionality requirements.

Since securing products of the same type may have been tested according to different standards and testing methods, it has been necessary to make a comparison of the securing and functional quality of the products that are classified according to the commonly used standards and testing methods.

Based on the recommended requirement specifications, the Nordic insurance associations have made comparison of the individual classes. The comparisons are listed in the following survey tables. These tables are called 'Comparison Keys' for anti-intruder products.

This document shows the connection between the levels of different types of security levels and different kind of product standards and classification.

The comparison keys can be used as a guideline, but it is not necessary representing identical levels.

In Norway, Finance Norway is represented by FG Skadeteknikk.

SF, Insurance Sweden, [www.svenskforsakring.se](http://www.svenskforsakring.se)

FFI, Finance Finland , [www.vahingontorjunta.fi](http://www.vahingontorjunta.fi)

FG Skadeteknikk, Norway, [www.fgsikring.no](http://www.fgsikring.no)

F&P, Insurance and Pension Denmark, [www.fogp.dk](http://www.fogp.dk)

## Secure Storage Units

The term secure storage units are used as a common Nordic appellation for:

- Værdiskab/verdiskap/värdeskåp/kassakaappi
- Hvælving/hvelv/valv/holvi
- Hvældøre/hvelvdør/valvdörr/holvin ovi
- Kontantautomat/minibank/pankkiautomaatti
- Sikkerhetsskap/sikringsskab/säkerhetsskåb/turvakaappi
- Døgnbokse/nattsafe/servicebox/yösäilö
- Used to storage values – for example cash, keys for cars and number plates.

Comparison key for secure storage units

EN-norm	EN-norm	Nordic	Nordic	Norway	Sweden	Denmark
EN 1143-1 EN 1143-2	EN 14450	INSTA 610 INSTA 611 INSTA 612  Expired	NS 5089/ DS 2121/ SS 3000/ SF 3529  Expired	FG 520	SSF 3492	STM HG 2   Expired
	S 1					
	S 2					GUL
						GRØN
				Sikkerhets- skåp	Säkerhets- skåp	
Grade 0						BLÅ
Grade I						RØD
Grade II						
		40 point	60 point			
Grade III		70 point	100 point			
		100 point	140 point			
Grade IV		130 point				
Grade V		190 point				
Grade VI		300 point				
Grade VII		420 point				
Grade VIII						
Grade IX						
Grade X						
Grade XI						
Grade XII						
Grade XIII						

### Burglar resistant facades

Burglar resistant facades is a term used in the European standard EN 1627, that includes doors, windows, grilles and shutters in the façade to the insured/protected area. Industrial gates are not included in the EN 1627.

### Burglar resistant doors

The term "burglar resistant doors" covers sikkerhetsdører (Norway), säkerhetssdörrar (Sweden), murransuojaovet (Finland) and sikringsdøre (Denmark).

Comparison key for burglar resistant doors

EN-norm	Norway	Sweden		Denmark
EN 1627	NS 3170 Expired	SSF 200	SSF 1078	SS 817345 Expired STM HG 1/2 Expired
Resistance class 1	-	-	-	-
Resistance class 2	Klass 1	Skyddsklass 1	Klass 1	Klass 1 GUL
Resistance class 3	Klass 2	Skyddsklass 2	Klass 2	Klass 2 GRØN
Resistance class 4	Klass 3	Skyddsklass 3	Klass 3	Klass 3 BLÅ
Resistance class 5	Klass 4		Klass 4	Klass 4 RØD
Resistance class 6	-	-	Klass 5	-

### Windows

The term "windows" covers vinduer (Norway), fönster (Sweden), ikkuna (Finland) and vinduer (Denmark).

Comparison key for windows

EN-norm	Norway	Sweden	Finland	Denmark
EN 1627	-	SSF200	-	STM HG 1 Expired
Resistance class 1				
Resistance class 2		Skyddsklass 1-3		GUL
Resistance class 3				GRØN
Resistance class 4				BLÅ
Resistance class 5				RØD
Resistance class 6				

## Grilles and shutters

The term "grilles and shutters" covers gitter og jalousier (Norway), galler og jalousier (Sweden) kalteri/rullakalteri (Finland) and gitre og jalousier (Denmark).

Comparison key for grilles and shutters

EN-norm	Norway	Sweden	Finland	Denmark
EN 1627	FGs bestemmelser vedrørende prøving og godkjenning av gitter – 1986/2001  Expired	SSF 012	SSF 012	STM HG 1 Expired
Resistance class 1				
Resistance class 2	Innvendig	Klass 1	Klass 1	GUL
Resistance class 3		Klass 2	Klass 2	GRØN
Resistance class 4	Utvendig	Klass 3	Klass 3	BLÅ
Resistance class 5		Klass 4	Klass 4	RØD
Resistance class 6				

## Industrial gates

The term "industrial gates" covers porter (Norway), portar (Sweden), portti (Finland) and porte (Denmark).

Comparison key for industrial gates

EN-norm	Norway	Sweden	Finland	Denmark
ENV 1627	–	SSF 1074	–	STM HG 1 Expired
Grade 1				
Grade 2		Klass 1		GUL
Grade 3		Klass 2		GRØN
Grade 4		Klass 3		BLÅ
Grade 5				RØD
Grade 6				

## Security glazing

The term "security glazing" covers sikkerhetsglass (Norway), säkerhetsglas (Sweden), turvalasi (Finland) and sikringsglas (Denmark).

Comparison key for security glazing

Resistance:	EN-norm	EN-norm	Nordic	Sweden		Denmark
	EN 356	EN 1063	INSTA 151 INSTA 152 INSTA 153 Expired	SSF 200	SSF 1085	STM HG1  Expired
Vandalism	P1A			P1A		
Vandalism	P2A		A1			
Vandalism	P3A		A2			
Vandalism	P4A		A3	P4A		
Vandalism/ Burglary	P5A			P5A		GUL
Burglary	P6B		B1	P6B	Klass 1	
Burglary	P7B		B2	P7B	Klass 2	BLÅ
Burglary	P8B		B3		Klass 3	RØD
Shot		BR1				
Shot		BR2	C1			
			C2			
			C3			

## Locks and latches

The term "locks" is for a complete lock and includes all components:

- Låskasser, sylindre, cylinderbeslag og sikkerhetssluttstykke (Norway)
- Låshus, låscylindrar, dörrförstärkningsbehör och slutbleck (Sweden)
- Lukkorunko, lukkosylinteri, hela och vastarauta (Finland)
- Låsekasser, låsecylindre, sikkerhedslangskilt og slutblik (Denmark)

Comparison key for (mechanical) locks

Norway	Sweden		Finland	Denmark
FG 310:1	SSF 3522 <sup>1)</sup>	SSF 3523 <sup>2)</sup>	SFS 7020	STM HG 1 Expired
-	Klass 1	Class S1		-
-	Klass 2	Class S2	Klass 1	-
Klasse 3	Klass 3	Class S3	Klass 2	BLÅ
Klasse 4	Klass 4		Klass 3	RØD
Klasse 5	Klass 5	Class S5	Klass 4	RØD

1. Annex B in SSF 3522 shows comparison between classes of components in SSF 3522 and grading according to EN for the components.
2. Annex A in SSF 3523 shows summary of burglar resistance for fixed mounted locking devices

### Padlocks and padlock fittings

The term "padlocks and padlock fittings" covers hengellåser og hengellåser (Norway), hänglås och hänglåsbeslag (Sweden) riippulukko (Finland) and hængelåse og hængelåsebeslag (Denmark).

Comparison key for padlocks and padlock fittings

EN-norm	Norway	Sweden	Finland	Denmark
EN 12320	FG 310* <sup>1)</sup>	SSF 014* <sup>2)</sup> SSF 018* <sup>3)</sup>	SFS 7020	STM HG 1  Expired
Grade 1	-	-	-	-
Grade 2	Klasse 1	Klass 1	Klass 1	GUL
Grade 3	Klasse 2	Klass 2	Klass 2	GRØN
Grade 4	Klasse 3	Klass 3	Klass 3	BLÅ
Grade 5	Klasse 4	Klass 4	Klass 4	
Grade 6	Klasse 5	Klass 5	Klass 5	RØD

\*) Note:

- 1) FG 310 also includes reference to both EN 12320 and SSF 014
- 2) SSF 014 also includes manual attack and picking in addition to EN 12320
- 3) SSF 018 expired – now included in SSF014

### Lockable fittings for windows

The term "lockable fittings for windows" covers vinduslåser (Norway), fönsterlås (Sweden), ikkunlukko (Finland) and vindueslåse (Denmark).

Comparison Key for lockable fittings for windows

EN-norm	Norway	Sweden	Finland	Denmark
-	SS 3620	SS 3620	SS 3620	SS 3620
-	Klass A	Klass A	Klass A	Klass A

### Locks for French windows (balcony/patio doors)

The term "locks for French Windows" covers terrassedørlåser (Norway), fönsterdörrlås (Sweden), pitkäsulkijalukko (Finland) and terrassedørlåse (Denmark).

Comparison key for locks for French Windows

EN-norm	Norway	Sweden	Finland	Denmark
-	SS 3620	SS 3620	SS 3620	SS 3620
-	Klass B	Klass B	Klass B	Klass B
	Klass C	Klass C	Klass C	Klass C



### Key-storage tubes/boxes

The term "Key-storage tubes/boxes" covers nøkkelbokser (Norway), nyckelförvaringsenheter och fasadnyckelbox (Sweden) avainsäilö (Finland) and nøglebokse (Denmark).

Key-storage tubes/boxes are not for storage of valuables including car keys.

Comparison key for key-storage tubes/boxes

EN-norm	Norway	Sweden	Finland	Denmark
-	-	SSF 024 SSF 1066	-	STM HG 1 Expired
		Klass 1		-
		Klass 2		-
		Klass 3		BLÅ
		Klass 4		RØD
		Klass 5		