

## SKG 489

date of issue: 01 November 2010  
date of expire: 01 November 2015

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## GEZE GmbH

### Door and Window hardware

Stichting  
Kwaliteit  
Gevelbouw

### Declaration of SKG:

This Certificate is based on BRL 3104: 15-10-2010 and has been issued by SKG and confirms with SKG Rules of Product certification: 2006.

Hereby SKG declares that:

it has ample reason to assume that the hardware produced by the holder of this certificate will continue to live up to expectations as defined in this standard, provided it bears the KOMO<sup>®</sup>-logo in the manner indicated in this certificate as well the indelible imprint of the SKG-classification.

with observance of the conditions mentioned above the hardware satisfies the applicable criteria, set in the Dutch building regulations (Bouwbesluit).

This certificate is a recognized declaration of quality as mentioned in the "Bouwbesluit" consistent with the Triparty agreement (Sts courant 132:2006) and the Housing Act. The certificate is included in the "Overzicht van erkende kwaliteitsverklaringen in de bouw" overview on the SBK website [www.bouwkwaliteit.nl](http://www.bouwkwaliteit.nl)

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For SKG



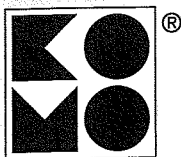
ir. H.A.J. van Dartel  
Certification manager

We recommend users of this certificate to consult [www.sterrenwijzer.nl](http://www.sterrenwijzer.nl) to verify its validity.

This certificate consists of 8 pages and 1 annex.



Erkend door de Raad  
voor Accreditatie (Rv  
volgens NEN-EN 45.01



## Dutch Building Regulations

Judged is:  
- quality system  
- product  
- product in use  
Continue surveillance

# KOMO<sup>®</sup> Productcertificate

Burglar Resistant Door and Window Hardware of GEZE GmbH

Number: SKG 489

Date of issue: 1 November 2010

page 3 of 8

## 1. PRODUCT TYPES

This KOMO productcertificate regarding the production and supply of building hardware for roof- and facade-elements is applicable to the following types of products:

Produkt type	Part of this KOMO Product certificate	Relevant for Dutch Building regulations
Locks	no	yes
Multipoint locks	no	yes
Bolts (single)	no	yes
Multipoint bolts	yes	yes
Cylinders	no	yes
Shields and roses	no	yes
Hinges	no	yes
Seam-protectors	no	yes
Barriers	no	yes
Pad locks	no	no
Miscellaneous	no	no

CE	
Y	If intended use is for escape or fire/smoke doors
N	
N	
N	
N	
N	
Y	If according to EN 1935 en suitable for escape or fire/smoke doors
N	
N	
N	
N	

A list of certified products is specified in the annex of this KOMO product certificate

## 2. TECHNICAL SPECIFICATIONS:

### 2.1 Subject:

Factory-produced building hardware products with attachments, meant for application in doors/windows in buildings

### 2.2 Locks, single and multipoint type

Locks are designed to close doors from the outside and consist of metal and (for less essential parts) polymer components and are made in single- and Multi-point type.

The metal deadbolt of locks can be block- hook- or pin-shaped.

Locks can be equipped with a latch made of metal or plastic and are constructed in such a way that they can be operated from within as well as from the outside. Locks can be mounted on the surface of the door (Rim) as well as inside the doorleaf (Mortice).

Locks can have an integral codebearer as well as have a recess for mounting a separate codebearer (usually called a cylinder). Locks can be supplied including a keeper for the latch and deadbolt, or they can refer (in the manual) to a specific keeper. Locks on escape-doors are constructed in such a way that the deadbolt can be withdrawn in a single movement.

Locks are built from materials that are inherently corrosion-proof or have been treated in an adequate way to reach this end.

### 2.3 Bolts, single and multipoint type

Bolts are intended to secure doors and windows from within and consist of metal and (for less essential parts) polymer components and are made in single and multi-point type.

The metal bolt can be block- hook- or pin-shaped.

Bolts are built in such a way that they can only be operated from within and can be mounted either on the surface of the door or window or inside the door or window leaf.

Bolts can be lockable by key, be limitededly lockable or not at all. Lockable versions usually have an integral code-bearer. Bolts are supplied including a keeper.

Bolts are built from materials that are inherently corrosion-proof or have been treated in an adequate way to reach this end.

### 2.4 Cylinders

Cylinders are assembled from metal or (for less essential parts) polymer components and a matching code-bearer. Cylinders are constructed in such a way that they can only be opened with the matching key. Cylinders can be single (half-), double, (whole) or knob-type.

Cylinders are built from materials that are inherently corrosion-proof or have been treated in an adequate way to reach this end

# KOMO<sup>®</sup> Productcertificate

Burglar Resistant Door and Window Hardware of GEZE GmbH

Number: SKG 489

Date of issue: 1 November 2010

page 5 of 8

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3. PERFORMANCE regarding to Dutch Building Regulations (Bouwbesluit)

**3.1 Performance from the security point of view - Burglary resistance; BB-dep. 2.25**

**Facade elements in which products that satisfy these requirements have been mounted according to the manufacturers' instructions satisfy at least class 2 of NEN 5096 provided that the technical specification of the used door or windows are at least equal to the reference doors or windows as mentioned in NEN 5089:**

**Remark 1: A official quality declaration like a KOMO-Attest or certificate is a sufficient prove for burglar resistant doors or windows.**

**Remark 2: This applies only to those products mentioned in H1- Products, as relevant for the Dutch Building Regulations (Bouwbesluit)**

3.2 Performance regarding demands derived from NEN 5096

3.2.1 Lockability according to NEN 5096 5.2.2

**Those Bolts and locks which can't be locked have to withstand the test described in annex 1 of NEN 5096.**

3.2.2 Corrosionresistance according to NEN 5096 par 5.2.3

**Building hardware has to satisfy the demands of NEN 5089 regarding corrosionresistance and endurance.**

3.2.3 Requirements to cylinders according to NEN 5096 par. 5.2.4

Cylinders that satisfy class 2 of NEN 5096 have to achieve at least a 2-star rating in NEN 5089.

# KOMO<sup>®</sup> Productcertificate

Burglar Resistant Door and Window Hardware of GEZE GmbH

Number: SKG 489

Date of issue: 1 November 2010

page 7 of 8

## 4.1.5 Furniture (shields and roses)

Furniture according burglaryresistance class 2-star and 3-star will give the results mentioned in the table.

Performance	2-star	3-star
	★★	★★★
Security grade according EN 1906	1	1
The dimensions of the hole for the cylinder is maximum 1 mm more than the nominal dimension of the cylinder.	ja	ja
Manual test according NEN 5089 (resistant time in min. / tool set)	3/A	5/B

## 4.1.6 Hinges (a set of)

Hinges according burglaryresistance class 2-star and 3-star will give the results mentioned in the table.

In the manual test the hinges have been tested as a set, and are therefore certified as a set.

Performance	2-star	3-star
	★★	★★★
Manual test according NEN 5089 (resistant time in min. / tool set)	3/A	5/B

## 4.1.7 Seamprotectors and barriers

Seam protectors and barriers according burglaryresistance class 1-star, 2-star, 3-star will perform as indicated in the table.

### Seamprotectors

Performance	1-star
	★
Manual test according NEN 5089 (resistant time in min. / tool set)	3/A niet zelfstandig

### Barriers

Performance	2-star	3-star
	★★	★★★
Manual test according NEN 5089 (resistant time in min. / tool set)	3/A	5/B

## 4.2 Performances related to a specific function.

### 4.2.1 Locks

Emergency exit devices and panic exit devices which contain locks with an escape-option do satisfy EN 179 and EN 1125.

Because these devices are by definition not lockable this demand is waived and the burglaryresistance-marking is duly modified.

### 4.2.2 Bolts

Emergency- and panic-escapes with bolts do satisfy EN 179 or EN 1125.

Because these devices are by definition not lockable this demand is waived and the burglaryresistance-marking is duly modified.

### 4.2.3 Cylinders

At the moment a key is removed from a cylinder the cam protrudes outside the cylinder.

### 4.2.4 Furniture (shields and roses)

In the instruction sheet there is an indication for which thickness of doorblade the furniture is intended, the thickness of the furniture itself and the provision that a cylinder should never protrude more than 3 mm outside the shield or rose.

If the furniture includes protection against core-pulling it satisfies the demands of A.2.2.5 of NEN-EN 1906, where the burglaryresistance 2-star equals grade 2 and 3-star equals grade 3

### 4.2.5 Hinges

None

### 4.2.6 Seamprotectors and barriers

None



Certificaten	Aantal	Punten
mp.slot *) / hangslot = 2xA	0	0
mp.vergrendeling / enkev.slot *) / cilinder	0	0
enkev.vergrendeling *)	1	20
IBW beslag / scharnier / univ.sluitkom	1	10
spec.sluitstuk / slijbbev. / barriere voorz.	0	0
*) indien met spec. sluitstukken E=5 pin extra		
*) indien met spec. beslag D=10 pin extra		
	<b>2</b>	<b>30</b>

tekst = ongewijzigd  
 tekst = gewijzigd  
 tekst = nieuw  
 tekst = vervallen

cd	aigifte t.d.	bedr	prod	vign	productnaam	klasse	artikelnummer(s)	produkt logo(s)	geschikt voor toepassing										lijsten PKVW - BB									
									ho	ku	me	dbi	dbd	rbj	rbu	sch	L-1	L-2	L-3	L-4	L-5	L1	G					
D	1-nov-10	489	861	01	raamuitzetter koppeling met afstandsbediening	* *	OL 90 N Bi	GEZE	X	X	X		X	X														
CE	1-nov-10	489	871	01	opbouw-raamuitzetter met afstandsbediening	* *	OL 90 N Bu	GEZE	X																			