

# Insulating rubber gloves

## An essential choice for safety!

### Compliance

Insulating gloves offer personal protection against electrical shocks when working on or near live wires. They must comply with the **IEC 60903** and **EN 60903** standards. As a result, they undergo various voltage, ageing, and mechanical testing.

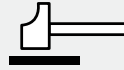


The gloves are individually tested and sold in a sealed plastic bag.

#### CHARACTERISTICS OF SYMBOLS



- Label with a double triangle symbol IEC 60 417-5216, suitable for work on live wires.



- Label with a mechanical hammer symbol, indicating additional mechanical properties gloves.



All our gloves provide greater comfort and hygiene when used.



### Glove Types, Classes, and Categories

There are **2 main types of insulating gloves**:

- **Rubber gloves** provide high dielectric performance. They must be used with leather glove covers for mechanical protection.
- Gloves **with mechanical properties** offer superior mechanical protection against punctures and tears. They eliminate the need for **overgloves**.



### Ergonomic shape

With an ergonomic shape our gloves are suitable for any type of hand and are soft and supple which allows good dexterity.

### A choice of full size

Sizes from 7 to 12 can cover all requirements (Male / Female).

### Bi-color

Bi-color gloves on class 1/2/3/4 allows contrast to rapidly detect any excessive abrasion, cut, tear and other mechanical surface damage that could alter the dielectric properties of the glove.



### Clear-marking



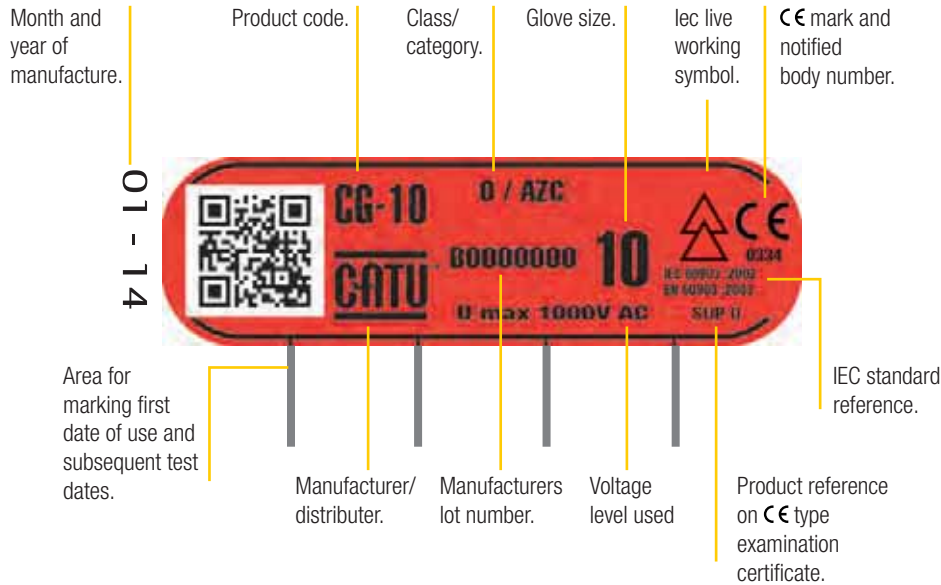
### Rolled cuff

Rolled cuff for comfort & ease of handling.

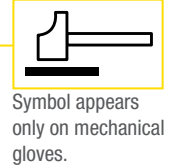




## Insulating rubber gloves



CE



• **Insulating rubber gloves** should be chosen according to their class, which corresponds the voltage level used.

Class	DC	DC
00	500 V <sub>effective</sub>	750 V
0	1 000 V <sub>effective</sub>	1 500 V
1	7 500 V <sub>effective</sub>	11 250 V
2	17 000 V <sub>effective</sub>	25 500 V
3	26 500 V <sub>effective</sub>	39 750 V
4	36 000 V <sub>effective</sub>	54 000 V

• **Insulating rubber gloves** can have other environmental resistance properties, and they are classified into categories.

Category	Resisting in
A	Acid
H	Oil
Z	Ozone
R	Acid, Oil, and Ozone
C	Very low temperature

Note 1: Category R combines the characteristics of Categories A, H, and Z.  
 Note 2: Any category combination may be used.

## Inspection and Storage of Insulating Gloves



All insulating gloves must be visible inspected after inflation and before each use.

For **Classes 0** and **00**: The tests consist of an air inflation test and a visual inspection when the glove is inflated. The dielectric test is not required, but it may be performed at the owner's request.  
 For **Classes 1, 2, 3, and 4**: Even when in storage, a glove should

be used without having been tested within the last six months. Normal testing periods are between 30 and 90 days.

An inspection of the inside of the gloves is also recommended. Gloves should be stored in their packaging, without being compressed or folded. They should not be stored near a heat source with a temperature of 10 to 21°C.

## Insulating rubber Gloves

Gloves without mechanical protection for use with silicon leather glove covers.

Reference	Class	Voltage	Category	mm	Color
CG-05-(*)	00	≤ 500 V	AZC	360	Beige
CG-10-(*)	0	≤ 1 000 V	AZC	360	
CG-1-(**)-NR	1	≤ 7 500 V	RC	360	Bi-colour: Red outside. Natural inside
CG-2-(**)-NR	2	≤ 17 000 V	RC	360	
CG-3-(**)-NR	3	≤ 26 500 V	RC	360	
CG-4-(***)-NR	4	≤ 36 000 V	RC	410	

(\*) Complete by size codes A=8, B=9, C=10, D=11. (\*\*) Complete by size codes 07 to 12 (sizes 07 and 12 on request). (\*\*\*) Complete by size codes 08 to 12. (\*\*\*\*) Complete by size codes 09 to 12.



### Conversion table for insulating rubber gloves and overgloves

GLOVES	GLOVES Reference	GLOVES Size	OVERGLOVES	OVERGLOVES Reference	OVERGLOVES Size
	CG-05-(*) CG-10-(*)	A = 8		CG-981-(*)	8
		B = 9			9
		C = 10			10
		D = 11			11
	CG-1-(**)-NR CG-2-(**)-NR CG-3-(**)-NR CG-4-(**)-NR	7		CG-991-(**)	8
		8			9
9		10			
10		11			
	11		12		

Check your gloves size page 170.

(\*) References to be completed by size A, B, C or D.  
(\*\*) References to be completed by size 07, 08, 09, 10, 11, 12 (07 and 12 on request).

## ASTM Insulating Rubber Gloves

Insulating rubber gloves offer personal protection against electrical shocks when working on or near live wires. Our gloves complies with the ASTM standard (ASTM D120). The acceptance levels for mechanical tests are stricter. Our gloves are made of rubber especially treated to obtain high dielectric characteristics and they are individually tested and sold in an individual packaging.

Reference	Class	Voltage	Type	Inch	Color
CGA-00-(*)-B	00	≤ 500 V	I	14	Black
CGA-0-(*)-B	0	≤ 1 000 V	I	14	
CGA-1-(*)-NB	1	≤ 7 500 V	I	14	Bi-colour: Black outside. Natural inside.
CGA-2-(**)-NB	2	≤ 17 000 V	I	14	
CGA-3-(**)-NB	3	≤ 26 500 V	I	14	
CGA-4-(***)-NB	4	≤ 36 000 V	I	16	

(\*) Complete by size codes 07 to 12 (sizes 7 and 12 on request).  
(\*\*) Complete by size codes 08 to 12. (\*\*\*) Complete by size codes 09 to 12.



Black outside, natural inside.



## Insulating rubber gloves

### Mechanical gloves

Insulating gloves with higher mechanical properties for working in full safety without leather overgloves.

EN 60903 / IEC 60903



Reference	Class	Voltage	Cat.	↔ mm	Color
CGM-00-(* )	00	≤ 500 V	RC	360	Bi-colour: Orange outside. Natural inside.
CGM-0-(* )	0	≤ 1 000 V	RC	360	
CGM-1-(* )	1	≤ 7 500 V	RC	360	
CGM-2-(* )	2	≤ 17 000 V	RC	360	
CGM-3-(* )	3	≤ 26 500 V	RC	360	
CGM-4-(* *)	4	≤ 36 000 V	RC	410	

(\* ) References to be completed by size 07, 08, 09, 10, 11, 12 (07 and 12 on request).

(\* \*) References to be completed by size 09, 10, 11, 12

**Arc flash tested: IEC 61482-1-2. Class 2.  
ASTM F2675/F2675M**



Orange  
outside,  
natural  
inside.



Symbol appears  
only on mechanical  
gloves.

### Pneumatic glove tester

For compulsory control of gloves before use.  
Checking is done by inflating and immersing in water.

Reference	Characteristics	g
CG-117 *	Pneumatic glove tester	600

\* Delivered in cardboard 140 x 150 x 160.



### Gloves box

Specially designed for protecting insulating gloves.  
Can be fixed on wall.

Reference	mm	g
CG-35/2 *	101 x 224 x 476	900

\* Includes a bottle of talcum powder and precautions for use on tape positioned according to the language (English, French, Spanish, German, Italian, Portuguese, Arabic dutch, Chinese, Russian).

Recommended  
maintenance  
reminders.



The transparent cover  
enables to check gloves  
presence. UV resistant.



## Carrying bag

Reference	mm	Characteristics
CG-36	90 X 175 X 585	Reinforced waterproof fabric

Made from reinforced waterproof fabric for transport of rubber gloves in vehicles and tool boxes.



Rear loop for belt and snaps.

## Overgloves

Mechanical and electric arc protection.

Reference	Size	g
CG-981-(*)	A = 8	160
	B = 9	
	C = 10	
	D = 11	
CG-991-(*)	A = 8	200
	B = 9	
	C = 10	
	D = 11	
	E = 12	

(\* ) References to be completed by size A, B, C or D. See the conversion table page 24 for the correct size based on the insulated glove.



Silicon grain leather, very flexible.

Large protective cuff in chrome tanned hide.

3122



Silicon goat grain leather.

Large protective cuff.

2121

EN 388   
EN 420

## Undergloves

These washable cotton undergloves improve the use of the insulating gloves. They bring the best held, hygiene and a greater comfort.

Reference	Size	g
CG-80-(*)	H = Men F = Women	28

(\* ) References to be completed by size H or F.



Washable cotton undergloves.

## Mittens

Fingerless gloves shape allowing to keep the maximum of dexterity.

Reference	Size	g
CG-81	One size	20

Cotton mittens, limit the effects of perspiration and its fingerless gloves shape allowing to keep the maximum of dexterity.



## Insulating over shoes

Overshoes which provide electrical insulation to protect operators against the risk of a current flow from the feet to the ground or a step voltage. Adapted to a temporary and frequent use.

Reference	Size
MV-138/*	M (39 to 42), L (43 to 45), XL (46 to 48)

\* Indicate the size.

Classe 0:  
1 kV AC - 1.5 kV DC.



Can be used on footwear.

MV-138

EN 20347 / EN 50321