

# 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.

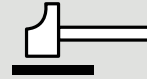
The gloves are individually tested and sold in a sealed plastic bag.



## 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 composite gloves.



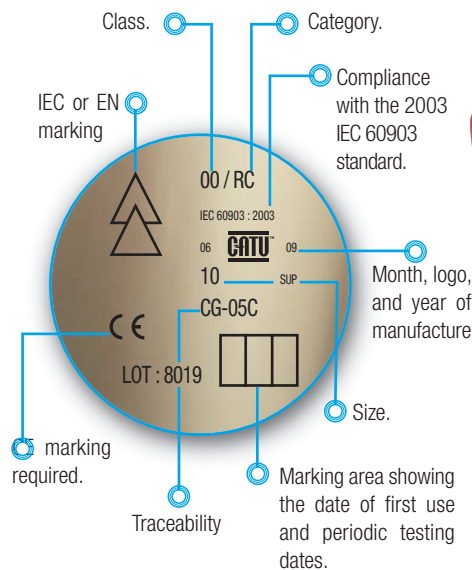
All our gloves provide greater comfort and hygiene when used.



## Glove Types, Classes, and Categories.

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

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



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

Class	AC	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 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 cannot 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 Latex Gloves

EN 60903 / IEC 60903

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

Reference	Class	Voltage	Thickness max. mm	Category		
CG-05- <sup>(*)</sup>	00	≤ 500 V	0.5	AZC	360	150
CG-10- <sup>(*)</sup>	0	≤ 1 000 V	1	RC	360	220
CG-15- <sup>(*)</sup>	1	≤ 7 500 V	1.5	RC	360	270
CG-20- <sup>(*)</sup>	2	≤ 17 000 V	2.3	RC	360	450
CG-30- <sup>(*)</sup>	3	≤ 26 500 V	2.9	RC	360	560
CG-40- <sup>(*)</sup>	4	≤ 36 000 V	3.6	AZC	410	800

<sup>(\*)</sup> Reference to be completed by size A, B, C ou D.

CG-05 to CG-20 : A, B, C, D.

CG-30 : B, C, D.

CG-40 : C, D.



Class 00

Class 0

Class 1

Class 2

Class 3

Class 4



## Insulating latex glove to glove cover size conversion table

GLOVES	GLOVES Reference	GLOVES Size	OVERGLOVES	OVERGLOVES Reference	OVERGLOVES Size
	CG-05- <sup>(*)</sup> CG-10- <sup>(*)</sup>	A = 8		CG-98- <sup>(*)</sup>	A = 8
		B = 9			B = 9
		C = 10			C = 10
		D = 11			D = 11
	CG-15- <sup>(*)</sup> CG-20- <sup>(*)</sup> CG-30- <sup>(*)</sup> CG-40- <sup>(*)</sup>	A = 8		CG-99- <sup>(**)</sup>	C = 10
		B = 9			D = 11
		C = 10			E = 12
		D = 11			

<sup>(\*)</sup> References to be completed by size A, B, C or D.

<sup>(\*\*)</sup> References to be completed by size C, D or E.

Total length

Weight



**CATU**

## Composite gloves

EN 60903 / IEC 60903 



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

### Conventional gloves

Reference	Class	Voltage	Thickness max. mm	Cat.		
CG-02- <sup>(*)</sup>	00	≤ 500 V	1.8	RC	360	300
CG-12- <sup>(*)</sup>	0	≤ 1 000 V	2.3	RC	360	350
CG-16- <sup>(**)</sup>	1	≤ 7 500 V	2.8	RC	410	580
CG-22- <sup>(**)</sup>	2	≤ 17 000 V	3.3	RC	410	620

<sup>(\*)</sup> References to be completed by size A, B, C, or D.  
<sup>(\*\*)</sup> References to be completed by size B, C, or D.

### Long Gloves

Reference	Class	Voltage	Thickness max. mm	Cat.		
CGL-20- <sup>(*)</sup>	2	≤ 17 000 V	3.3	AZC	800	1 800
CGL-30- <sup>(*)</sup>	3	≤ 26 500 V	3.6	AZC	800	2 040

<sup>(\*)</sup> References to be completed by size B or C.




Long composite gloves for insulating the hand and arm.

## Insulating gloves "arc flash"

See page 27.

## Pneumatic glove tester

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

Reference	Characteristics	
CG-117 *	Pneumatic glove tester	600



\* Delivered in cardboard 140 x 150 x 160.



Recommended maintenance reminders.

## Gloves box

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

Reference		
CG-35/2 *	101 x 224 x 476	770

\* 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).



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

 Total length

 Dimensions

 Weight

**CATU**



## Insulating gloves

### Carrying bag

Reference	mm	Characteristics
CG-36/1	100 x 210 x 430	1 gusset
CG-36/2	100 x 220 x 440	2 gussets to separate the insulated gloves and overgloves

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



Rear loop for belt and snaps.

CG-36/1

### Overgloves

Mechanical and electric arc protection.

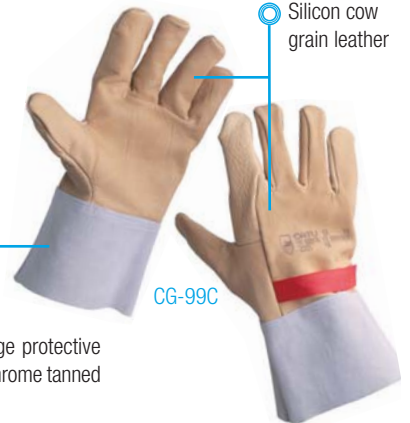
Reference	Size	g
CG-98- <sup>(*)</sup>	A = 8	160
	B = 9	
	C = 10	
	D = 11	
CG-99- <sup>(*)</sup>	C = 10	200
	D = 11	
	E = 12	

<sup>(\*)</sup> References to be completed by size A, B, C or D. See the conversion table page 21 for the correct size based on the insulated glove.



Silicon grain leather, very flexible.

3122



Silicon cow grain leather

2121

Large protective cuff in chrome tanned hide.

EN 388 / IEC 388  
EN 420 CE

### Undergloves Nomex III<sup>®</sup>

See page 27.

### 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- <sup>(*)</sup>	H = Men F = Women	28

<sup>(\*)</sup> References to be completed by size H ou F.

Washable cotton undergloves.



CE

### Mittens

Its 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.



CE