

TECHNICAL DATA SHEET

CARMEX

Generic Name by SUCAMEC: ASSEMBLED DETONATOR

DESCRIPTION AND COMPOSITION:

CARMEX has been conceived and developed as a safe and efficient initiation system for conventional blasting.

CARMEX® is made of the following components: one Fulminante Común No. 8 (Common Detonator), a section of the Mecha de Seguridad (Safety Fuse), one Conector para Mecha Rápida (Fast Fuse Connector) and one fastening Block, which is a plastic secure, designed to secure the Fast Fuse to the Fast Fuse Connector.

CARMEX is assembled by specialized personnel, by using pneumatic fixing machines, thus ensuring the Detonator – Safety Fuse – Connector tightness.


USES:

The CARMEX is used to start drilling in traditional mining or to start blasting.

The handling temperature range of the CARMEX is from 5°C up to 35°C. For different temperatures it is recommended to contact the Technical Assistance area.

TECHNICAL CHARACTERISTICS:

- FULMINANTE COMÚN**

	UNIT	CARMEX
Detonator diameter	mm	6.3
Detonator length	mm	45
Esopo Test, Drilling Diameter	mm	Min. 9.0
Trauzl Volume	cm ³	Min. 23
Resistance to Impact 2 kg/1m	---	It does not detonate

- SAFETY FUZE**

	UNIT	CARMEX
Plastic coating color	---	Green
Gunpowder core	g/m	6.1 ± 0.7
Combustion time s.l.	s/m	160 ± 10
Outer diameter	mm	5.2 ± 0.2

s.l. = sea level

- CONNECTOR**

	UNIT	CARMEX
Connector diameter	mm	6.3
Connector length	mm	45
Groove width	mm	2.3 ± 0.3
Pyrotechnic material charge	g	0.5 ± 0.1
Charging height	mm	11.0 ± 3.0

- FASTENING BLOCK**

	UNIT	CARMEX
Fastening block diameter	mm	10 ± 0.3
Total length	mm	14 ± 0.2
Fastening Block color	---	Orange
Material	---	Plastic

The values expressed are results at normal conditions (20°C and 1 atm.)

PACKAGING:
Packaging 1.1B

	BOX MATERIAL	BOX CAPACITY (Pcs.)	NET WEIGHT (Kg)	GROSS WEIGHT (Kg)	OUTER DIMENSIONS (cm)
CARMEX 2,10 m	Cardboard	300	15.6	17.5	44.5 x 38.0 x 39.0
CARMEX 2,40 m	Cardboard	300	17.6	19.5	44.5 x 38.0 x 39.0
CARMEX 2,70 m	Cardboard	250	16.2	18.2	44.5 x 38.0 x 39.0

TRANSPORT:

Class : 1
Division : 1.1B
UN No. : 0360



STORAGE AND WARRANTY:

CARMEX should be stored in magazines at **temperatures between 0°C and 30°C**, located in safe, well ventilated, dry areas, protected from rain and heat. Also, the explosive inventory should be rotated, avoiding the use of new materials before using old ones. And it must be stored according to the current compatibility table of the relevant authority.

The CARMEX kept in its original packaging and stored in the above mentioned temperature conditions is **guaranteed for 12 months** after its production date.

WARNING:

FAMESA EXPLOSIVOS S.A.C. has safe products, but they may become dangerous elements in inexperienced hands.

The purchaser or user must comply with the applicable regulations during transport, storage and use, as well as train duly all its personnel involved in its loading and handling, providing mechanical aids for loads over 25 kg per person.

FAMESA EXPLOSIVOS S.A.C. assumes no liability for transport, storage and/or improper use their products may experience.

The information and recommendation described in this document do not necessarily cover all product applications nor the different conditions under which it is being used. These are based on the experience, research and tests done by Famesa Explosivos S.A.C., who does not guarantee favorable results nor assume any responsibility, expressed or implied, in relation to the use of these suggestions. This product may be changed without prior notice.