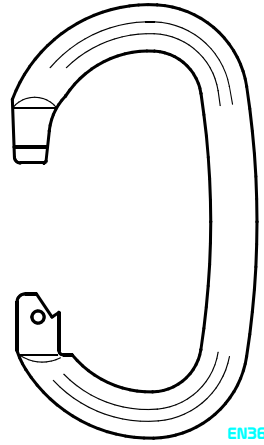


MASTER TEXT in English
 1 - GENERAL INFORMATION
 1.1 The information provided by the manufacturer (hereinafter information) must be read and well understood by the user before using the device.
 1.2) All our devices are tested / checked piece by piece in accordance to the procedures of the Quality System certified according to the UNI EN ISO 9001 standard.
 1.3) Personal protective equipment is certified by the notified body reported in the specific instructions of the device in accordance with Annex V of the Regulation (EU) 2016/425. If Category III PPE, they are subject to surveillance of production in accordance with Annex VIII of the Regulation (EU) 2016/425 by the notified body whose accreditation number is marked on the device.
 1.4) Personal use of the device is recommended to monitor the degree of the device and to maintain it continuously.
 1.5) Check that the device has been supplied intact, in the original packaging and with its information. For devices sold in different countries from the destination of origin, the distributor shall verify and supply the translation of this information.
 1.6) This device can be used in combination with other devices when compatible with relevant manufacturer information.
 1.7) Important
 1.7.1) Avoid exposing the device to sources of heat and contact with substances chemical. Reduce direct exposure to the sun, in particular for textile and plastic devices. Low temperatures and humidity can facilitate the formation of ice, make it difficult to make connections, reduce flexibility, as well as increasing the risk of breakage, cutting and abrasion.
 1.7.2) The position of the anchor is fundamental for ensuring a fall safely: carefully assess the clearance under the user, the height of a potential fall, the stretch of the lifeline, the deployment of an eventual energy absorber, the height of the user, and the "pendulum" effect, in order to avoid any possible obstacle (eg the ground, the rubbing, abrasions, etc.).
 1.7.3) The minimum strength of the anchor points shall be at least 12 kN, both made on natural and artificial elements. The evaluation of those made on natural elements (rock, plants, etc.) are only possible in an empirical way, so it shall be carried out by a trained and experienced person. For those made on elements artificial (metal, concrete, etc.), the evaluation can be carried out scientifically, therefore it shall be carried out by a trained and authorized person.
 1.8) Warning
 1.8.1) Prolonged suspension, especially if inert, can cause damage irreversible and even death.
 1.8.2) It is absolutely forbidden to modify and / or repair the device, outside than what is prescribed in this information.
 1.8.3) If the user has the slightest doubt about the efficiency of the device shall replace it immediately, particularly after using it to stop a fall.
 1.8.4) This device shall only be used by users medically fit, trained (and educated) for use or under direct control of trainers / supervisors.
 1.8.5) Rock and ice climbing, descents and abseils, the "via ferrata", speleology and caving, ski-mountaineering, canyoning, exploration, rescue, tree climbing and work at height are all high-risk activities that may involve even fatal accidents. The user assumes all risks arising from the practice of these activities and the use of all our devices.
 1.8.6) Laboratory tests, checks, inspections, information and standards do not always succeed to reproduce the practice, so the results obtained in real life conditions of use of the device may sometimes differ significantly. The best indications are provided by the continuous use and practice under the supervision of competent / experienced / qualified persons.
 1.8.7) This information concerns the description of the features, performances, assembly, disassembly, maintenance, conservation, disinfection, etc. of the device. Even if they contain some suggestions for use, should not be considered an operating manual in real situations (as well as a maintenance manual of a car does not teach driving and does not replace driving school).
 2 - WORK AT HEIGHT
 2.1) Additional information for individual fall protection systems in the context of work at height.
 2.2) For safety purposes, in these systems is essential to:
 - carry out risk assessment and ensure that the entire system, of which this device is only one part, is both reliable and safe;
 - prepare a rescue plan to deal with any emergencies that could arise while using the device;
 - position the anchor device or the anchor point as high as possible;
 - minimize the height of potential falls;
 - use devices that are suitable for the purpose and certified.
 2.3) Important: in a fall arrest system it is mandatory to use a full body harness being the only device suitable for this use and this device must comply with current regulations.
 3 - STORAGE AND MAINTENANCE
 3.1) Store the device in a dry place (relative humidity 40-90%), fresh (temperature 5-30 ° C) and dark, chemically neutral (avoid absolutely saline and / or acid environments), away from sharp edges, corrosive substances or other possible prejudicial conditions.
 3.2) Transport the device considering the precautions foreseen for storage and limit direct exposure to sunlight and moisture.
 3.3) Maintain the device as follows:
 - wash frequently with warm drinking water (30 ° C), possibly with the addition of a neutral detergent;
 - rinse and leave to dry, avoiding spinning and direct exposure to the sun;
 - only for metal components, lubricate the moving parts with silicone-based oil after drying, avoiding contact with textile parts.
 3.4) If necessary, disinfect by soaking the device for an hour in warm water with sodium hypochlorite diluted 1% (bleach). Rinse thoroughly with drinking water, and, without spinning, leave to dry without exposure direct to the sun. Avoid autoclaving the textile devices.
 4 - CONTROLS AND INSPECTIONS
 4.1) User safety depends on continuous efficiency, integrity and strength of the device, which it is necessary to monitor through the controls and the prescribed inspections.
 4.2) Before and after use the user must carry out all the checks described in specific information, and in particular make sure that the device is:
 - in optimal conditions and that works properly;
 - suitable for use in accordance with these instructions (any other use is considered non-compliant and therefore potentially dangerous).
 4.3) Except for more restrictive legal requirements, inspections of Category III devices shall be carried out:
 - at least every 12 months starting from the first use;
 - the time interval between inspections can be reduced according to the type, the frequency and the environment of use;
 - by a competent person (hereafter formed and authorized by the manufacturer, eg a "KONG PPE Inspector") in strict compliance with the manufacturer's instructions.
 4.4) The results of periodic inspections must be recorded on the form inspection of the device or on a designated register.

i-CONNECTORS



Made by KONG S.p.A. - Via Villanova 7/A - 32013 Longarone (BL) - Italy
 WWW.KONG.IT



EN362:2004
 EN12275:2012
 Ovalone series

ZZV5747 rev. 0.1.0



Read and always follow the information supplied by the manufacturer
 Leggere e seguire sempre le informazioni fornite dal fabbricante
 Toujours lire et suivre les informations fournies par le fabricant
 Die Angaben des Herstellers müssen immer gelesen und befolgt werden
 Lea siempre y respeta la información proporcionada por el fabricante
 Leia e siga sempre as informações fornecidas pelo fabricante

CE 0068 CERTIFIED BY

MODULE D surveillance NB n° 0068
 MTIC InterCert S.r.l.
 Via G.Leopardi 14
 20123 - Milano (MI) - Italy

MODULE B certificate NB n° 2008
 DOLOMITICERT scari
 Z.I. Villanova 7/A
 32013 Longarone (BL) - Italy

According to Regulation (EU) 2016/425

Download the declaration of conformity at:
 Scarica la dichiarazione di conformità a:
 Télécharger la déclaration de conformité à:
 Laden Sie die Konformitätserklärung herunter zu:
 Descargue la declaración de conformidad en:
 Descarregue a declaração de conformidade de:

www.kong.it/conformity

0Users\Profil\Desktop\iC2.png

5 - DEVICE LIFE
 5.1) The lifespan of the metal components is indefinable, theoretically unlimited, while those affected by aging report the expiration date over which the device shall be replaced. This provided that:
 - the device was not used to stop a fall;
 - the methods of use comply with the information in this information;
 - storage and maintenance are carried out as described in point 3;
 - the results of pre-use and post-use controls are positive;
 - the results of periodic inspections are positive;
 - the device is used correctly not exceeding the marked MBS of 1/4 for metal devices or of 1/10 polymer/mixed devices.
 5.2) Discard the devices used to stop a fall or which have not passed pre-use or post-use controls, or periodic inspections.
 5.3) Improper use, deformations, falls, wear, chemical contamination, exposure to temperatures below -30 ° C or above + 50 ° C for textile/plastic parts/devices and + 120 ° C (eg autoclave) for metal devices, are some examples of other causes that can reduce, limit and terminate the life of the device.
 6 - LAW OBLIGATIONS
 6.1) Professional, recreational and competition activities are often regulated by specific laws or regulations that may impose limits and/or requirements for the use of PPE and the preparation of safety systems, of which PPE are components.
 6.2) It is the duty of the user to know and apply these laws which could provide for limits different from those reported in this information.
 7 - GUARANTEE
 7.1) The manufacturer guarantees the conformity of the device to the regulations in force at the time of production. The warranty for defects is limited to the defects of raw materials and manufacturing, does not include normal wear and tear, oxidation or damage caused by improper use and/or in competitions (where they are not specifically accepted by the organization of the same), from incorrect maintenance, transport, storage or storage, etc. The warranty expires immediately if the device is modified or tampered with.
 7.2) The validity corresponds to the legal guarantee of the country in which the device was sold, starting from the date of sale of the new product. After this time no claim can be made against the manufacturer.
 7.3) Any request for repair or replacement under warranty must be accompanied by a proof of purchase. If the defect is recognized, the manufacturer will commit to repair or, at its discretion, to replace or refund the device. In no case the manufacturer's liability extends beyond the invoice price of the device.
 8 - SPECIFIC INFORMATION
 Category III Personal Protective Equipment, i-CONNECTORS of the OVALONE series are:
 - operable devices which enable the user to assemble a system in order to link himself/herself directly or indirectly to an anchor, or to link other devices;
 - equipped with a NFC sensor able to provide traceability;
 - parts of a system protecting/preventing against the impact created by falls from a height;
 - certified according to standards EN 362:2004 and/or EN12275:2013, and tested according to UIAA 121.
 Fig. 1 - Gate locking devices functioning (C2, C3) - These devices prevent the accidental opening of the gate (B).
 Fig. 2 - "FAST" installation - A "FAST" limits movement of the connected devices.
 Fig. 3 - Major strength direction - Avoid loading the device along the minor axis.
 Fig. 4 - Force composition - Estimate the real load applied before using this device. This load shall not exceed 1/4 of the load marked on the device (MBS 1/4).
 Fig. 5 - Examples of wrong and dangerous use.
 Checks before and after use - Before and after use, make sure that the device is in an efficient condition and that it is working properly, in particular, check that:
 - it is suitable for the intended use;
 - has not been mechanically deformed;
 - does not show cracks, wear, corrosion and oxidation;
 - the gate locking device (C) works correctly;
 - mobile parts move or rotate without excessive resistance;
 - markings are legible;
 - the gate (B) shall:
 - when actuated, open completely;
 - when released, close completely and automatically.
 It is recommended to periodically clean and lubricate mobile parts (B and C) with a moderate amount of silicon-based oil. Before use and in a position that is completely safe, on each occasion check that the device holds correctly by putting your weight on it.
 Important:
 - keep in mind this device length in fall arrest systems;
 - do not open the gate (B) when a load is applied to this device;
 - keep in mind possible accidental openings (e.g. due to shock, vibrations, falls, etc.);
 - type C connectors should only be used where the need of connections is infrequent;
 - systems that require frequent opening and closing it is recommended to use model with an automatic gate locking device;
 - this device shall be free to move and position itself in the foreseeable direction of load application, with the gate (B) always perfectly closed;
 - assess the suitability of the chosen anchor point according to the intended application (e.g. dimension of the attachment point, strength, materials, etc.).
 Warning:
 - never grip on this device as aid in climbing;
 - do not apply loads while this device gate (B) is open;
 - the foreseeable load direction must be close as possible to the major strength direction;
 - connection with wide elements reduce this device strength and can compromise closing and locking of the of the gate (B).

MARKINGS

TYPE	MODEL	COMMERCIAL NAME
		CARBON STEEL
412.LH1	OVALONE TWIST LOCK I-CONNECT	21
412.LH1	OVALONE AUTOBLOCK I-CONNECT	21
414.LH1	OVALONE DNA TWIST LOCK I-CONNECT	19
414.LH1	OVALONE DNA AUTOBLOCK I-CONNECT	19
		ALUMINIUM ALLOY
712.LG1	OVALONE TWIST LOCK I-CONNECT	21
712.LM1	OVALONE AUTOBLOCK I-CONNECT	21

STANDARDS

EN362:04
 Conformity to EN362:2004 - Connectors for use in fall arrest systems, work positioning, restraint, rope access
 Conformità alla norma EN362:2004 - Connettori per l'uso in sistemi di arresto caduta, di posizionamento sul lavoro, di trattenuta, di accesso su fune
 Selon la norme EN362:2004 - Connetteurs pour l'utilisation dans les systèmes antidéchet, de positionnement au travail, de retenue, d'accès par corde
 Konformität gemäß EN362:2004 - Verbindungselemente zur Anwendung an Systemen zur Absturzicherung und Arbeitspositionierung, Rückhaltesystemen, Seilzugangssystemen
 Conformidad con la EN362:2004 - Conectores para uso en sistemas de detención de caídas, posicionamiento en el trabajo, retención, acceso con cuerda
 Conformidade com EN362:2004 - Conectores para uso em sistemas de travamento contra queda, posicionamento de trabalho e de restrição, sistemas de acesso por cabo

EN12275:13

Conformity to EN12275:2013 - Connectors for use in mountaineering, climbing and connected activities
 Conformità alla norma EN12275:2013 - Connettori per l'uso in alpinismo, arrampicata ed attività connesse
 Selon la norme EN12275:2013 - Connetteurs pour l'alpinisme, l'escalade et les activités connexes
 Konformität gemäß EN12275:2013 - Verbindungselemente zur Anwendung an Bergsteiger- und Kletterausrüstung und damit zusammenhängenden Tätigkeiten
 Conformidad con la EN12275:2013 - Conectores para uso en montañismo, escalada y actividades relacionadas
 Conformidade com EN12275:2013 - Conectores para uso em alpinismo, escalada e atividades relacionadas



Conformity to UIAA121
 Conformità a UIAA121
 Conformité à la UIAA121
 Konformität laut der UIAA121
 Cumplimiento de la UIAA121
 Conformidade com a UIAA121

CONNECTORS CLASSES

/B	/M
Base Base Basiskarabiner Básico	Multifuse Connettere Multifonctionnel Mehrzweck-Karabiner Multi uso Multifuso

MINIMUM BREAKING STRENGTH

MBS kN	◆ XX
Minimum breaking strength along the major axis Carico minimo di rottura lungo l'asse maggiore Charge de rupture minimale le long du plus grand axe Mindestbruchlast an der längeren Achse Carga de rotura mínima a lo largo del eje mayor Carga mínima de rotura ao longo do eixo maior	◆ XX
Minimum breaking strength along the minor axis Carico minimo di rottura lungo l'asse minore Charge de rupture minimale le long du plus petit axe Mindestbruchlast an der kürzeren Achse Carga de rotura mínima a lo largo del eje menor Carga mínima de rotura ao longo do eixo menor	◆ XX



STANDARD AND ITS CLASS
 STANDARD E LA SUA CLASSE
 LA NORME ET SA CLASSE
 STANDARD UND SEINE KLASSE
 NORMA Y SU CLASE
 NORMA E A SUA CLASSE

TIP!

TWIST BLOCK

AUTOBLOCK

USA ONLY
WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
 During normal use our connectors do not release hazardous substances. Those may be released during invasive processes where materials change state (e.g. grinding, melting, welding, corrosion), strictly forbidden on our devices because greatly affecting performances and invalidating guarantee

INSPECTION SHEET

1	2
3	4
6	7
8	9
10	11
12	

1	Model - Modello - Modèle - Modell - Modelo - Modelo
2	Serial number - Numero seriale - Numéro de série - Seriennummer Número de serie - Número de série
3	Production date - Data di produzione - Date de production - Herstellungsdatum Fecha de producción - Data de produção
4	Expiring date - Data di scadenza - Date de péremption - Gültigkeitsdatum Fecha de caducidad - Prazo de validade
5	First use date - Data di primo utilizzo - Date de première utilisation Datum der Erstbenutzung - Fecha del primer uso - Data da primeira utilização
6	User name - Nome utilizzatore - Nom d'utilisateur - Name des Anwenders Nombre del usuario - Nome do utilizador
7	Place of purchase - Luogo di acquisto - Lieu d'achat - Verkaufsort Lugar de adquisición - Local de compra
8	Inspection date - Data ispezione - Date de l'inspection - Datum der Inspektion Fecha de inspección - Data da inspeção
9	Result - Risultato - Résultat - Ergebnis - Resultado - Resultado
10	Comments - Commenti - Commentaires - Anmerkungen - Comentarios Comentários
11	Next inspection before - Proxima ispezione entro - Prochaine inspection avant le Nächste Inspektion innerhalb von - Próxima inspección dentro de - Próxima inspeção dentro de
12	Inspector's sign - Firma ispettore - Signature de l'inspecteur - Unterschrift des Prüfers Firma del inspector - Assinatura do inspetor

WITH: IoT PC SMARTPHONE

WITHOUT: BATTERIES SPECIAL READERS COMPLEX SYSTEMS

SCAN IT **READ IT** **TRACE IT**

NFC

1

C2 **C3**

TWIST 90° **OPEN** **PULL UP** **TWIST 90°** **OPEN**

TWIST LOCK **AUTOBLOCK**

2

"FAST" INSTALLATION

SLIDE IN AND TURN **INOX** **TAPE, SLIDE IN AND TURN** **RUBBER**

3 **4**

MAXIMUM STRENGTH

KEEP IN MIND FORCE COMPOSITION!

~6kN 60° ~6kN
 10kN
 ~10kN 120° 10kN
 ~40kN 165° ~40kN
 10kN

5

ACCIDENTAL OPENING **LARGE ELEMENTS** **JAMMED** **WRONG**

PAY ATTENTION TO CONNECTIONS AND OBSTACLES! **REDUCED STRENGTH** **GATE** **"FAST" USE**

