



CLIMBING  
2007-2008



"Chi più alto sale, più lontano vede;  
chi più lontano vede, più a lungo sogna".

"The higher you climb, the wider you see;  
the wider you see, the longer you dream".

"Plus haut tu grimpes, plus loin tu vois  
plus loin tu vois, plus longtemps tu rêves"

"Wer höher Klettert, sieht weiter,  
wer weiter sieht, träumt länger"

di Proton



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**La Società ha iniziato la propria attività produttiva nel 1981, ma le sue tradizioni industriali originano dalla ultrasecolare storia della lavorazione del ferro nelle zone di Lecco (sul lago di Como).**

Qui, fin dal 1830, Giuseppe Bonaiti aveva una sua officina metalmeccanica già strutturata su base industriale, e da qui ha inizio la storia della ditta BONAITI che porterà la società, tra le varie linee di fabbricazione, ad essere famosa ed apprezzata in tutto il mondo per i suoi moschettoni di qualità. Nel 1977 la famiglia Bonaiti, nell'ambito di una importante ristrutturazione aziendale decise di fondare la KONG S.p.A., con Euro 2.000.000 di capitale e un nuovo grande stabilimento di mq. 10.000 circa. In questa struttura la KONG ed i suoi 70 dipendenti, nello spirito della Bonaiti S.p.A. continuano l'attività produttiva con i più alti standard qualitativi e le più avanzate metodologie di ricerca.

**KONG S.p.A. started production in 1981 but its industrial tradition dates back to the centuries of old ironworks in the area of Lecco on the Lake of Como.**

Here in 1830 Mr. Giuseppe Bonaiti established a highly organized mechanical workshop for the industrial metalware production and this was the starting point for its connectors, which, among other products, was to bring a worldwide fame to the Bonaiti company.

As a consequence of a large company reorganisation, in 1977 the Bonaiti family founded the company KONG Spa with a social capital of Euro 2.000.000 and a new factory covering about 10.000 m<sup>2</sup>. Since then it has been manufacturing its range of products with the highest production and quality standards combined with the most advanced methods of research.



**L'entreprise a commencé son activité de production en 1981, mais ses traditions industrielles datent du début de la métallurgie aux alentours de Lecco (sur le lac de Como).**

Sur ces lieux, depuis 1830, Giuseppe Bonaiti avait établi son usine métallurgique organisée sur des bases industrielles. C'est le point de départ de l'histoire de la société BONAITI qui mènera l'entreprise, à travers les différentes lignes de production, à être reconnue et appréciée dans le monde entier pour ses mousquetons de qualité.

En 1977 la famille Bonaiti, au cours d'une importante restructuration de la société, décida de fonder la KONG S.p.A. avec un capital de 2.000.000 Euro et un nouvel établissement de production d'environ 10.000 m<sup>2</sup>.

Dans cette structure la société KONG et ses 70 employés continuent l'activité de production, conformément à l'esprit de la Bonaiti S.p.A. avec les standards de qualité et les méthodes de recherche les plus élevées.

**Die Firma hat 1981 mit der Produktion begonnen, doch die industriellen Ursprünge gehen auf eine mehr als hundertjährige Geschichte der Eisenverarbeitung in der Gegend von Lecco (am Comer See) zurück.**

Hier hatte Giuseppe Bonaiti seit 1830 seine bereits industriell angelegte metallverarbeitende Werkstatt und hier liegt der Ursprung der Firmengeschichte von BONAITI, die das Unternehmen über die verschiedenen Produktionslinien zu einer wegen ihrer Qualitätskarabiner weltweit berühmten und geschätzten Firma macht.

1977 hat die Familie Bonaiti im Rahmen einer umfassenden Firmenumstrukturierung die Gründung der KONG S.p.A. beschlossen, mit einem Firmenskapital von Euro 2.000.000 und einem neuen großen Werk mit einer Fläche von 10.000 m<sup>2</sup>. In dieser Struktur setzen KONG und die 70 Angestellten im Geist der Bonaiti S.p.A.

die Produktion mit den höchsten Qualitätsstandards und den fortschrittlichsten Forschungsmethoden fort.



# FROG

## KONG PATENT

European patent n° 99113525.2 - Japanese patent n° 11-206930 - USA patent n° 358.618

Nello spirito innovativo che contraddistingue da sempre la Kong è nato il FROG, un rivoluzionario connettore unidirezionale per ancoraggi specifici a chiusura automatica. Progettato in collaborazione con il Politecnico di Milano, FROG è un connettore assolutamente nuovo sia nella forma che nel meccanismo di funzionamento: FROG cambia completamente il concetto di "moschettone" inteso come gancio. L'inserimento è straordinariamente rapido e sicuro anche in ancoraggi non facilmente raggiungibili con connettori classici.

In the innovating spirit, characteristic of KONG, is born FROG, a revolutionary directional connector for specific anchor points fitted with an automatic clamping.

Developed in collaboration with Milan Politechnic, Frog is a totally new connector both in the appearance and in the mechanism: FROG makes obsolete the traditional concept of carabiner thought as a "hook".

1



2



3



Dans l'esprit innovateur que toujours distingue la Société KONG est né le FROG, un mousqueton révolutionnaire, unidirectionnel pour les ancrages spécifiques à fermeture automatique.

Projecté en collaboration du Politecnico de Milan, FROG est un mousqueton absolument nouveau soit par la forme, soit par le mécanisme de fonctionnement: FROG change complètement le concept de "mousqueton" entendu comme crochet.

L'introduction est extraordinairement rapide et surtout en ancrages que on ne peut les atteindre facilement avec mousquetons classiques.

Im "Innovationsgeist von Kong" wurde der FROG geboren.

Ein Karabiner mit automatischem Verschluss, der an bestimmten Verankerungspunkten verwendet werden kann. Der FROG wurde in Zusammenarbeit mit dem Polytechnikinstitut in Mailand entwickelt. Der FROG ist ein total anderer Karabiner, sowohl in der Funktion, wie auch im Design.

Der FROG lässt herkömmliche Karabiner wie einen altmodischen Haken aussehen.

Das Einhängen geht ungewöhnlich schnell, andere, sonst schwer erreichbare Fixpunkte sind leichter zu erreichen als mit traditionellen Karabinern.





French patent n° 2582223 - European patent n° 289490 - Japanese patent n° J01501285 - US patent n° 4930194

Questo rivoluzionario sistema di chiusura brevettato trae il suo nome dalla particolare forma dell'incastro tra la leva ed il corpo del connettore, che ricorda la serratura di una porta. La novità del brevetto é di aver definitivamente eliminato qualsiasi dente di tenuta sia sul corpo del connettore che sulla leva ora completamente cilindrica.

Non esiste più alcun punto di possibile impiglio della corda o della fettuccia durante l'inserimento e lo sgancio.

Sono stati eliminati pure tutti i bordi taglienti delle fresature del corpo del connettore e della leva, ora non più necessarie.

**L'unica chiusura "senza impigli"**

This revolutionary patented locking system takes its name from the peculiar shape of the connection between the gate and the body of the connector that looks like a door keyhole. The real novelty of this patent is that there is absolutely no need for any teeth on the body of the carabiner or on the gate, now completely cylindrical. Now there are no longer any points where the rope or web could get snagged while inserting and removing them. All the sharp edges left over from grinding the carabiner and gate have also been eliminated, as it is no longer necessary.

**The only "no snagging" closure**

VECCHIO  
VERY OLD



VIEUX  
ALT

SUPERATO  
OUT-OF-DATE



DÉPASSÉ  
ÜBERHOLT

TRADIZIONALE  
TRADITIONAL



TRADITIONNEL  
TRADITIONELL

**KEY LOCK  
SYSTEM**



**KEY LOCK  
SYSTEM**

Ce système révolutionnaire breveté de fermeture prend son nom de la forme particulière de son encastrement entre le doigt et le corps du mousqueton, qui rappelle la serrure d'une porte.

La nouveauté du brevet est celle d'avoir définitivement éliminé toute came de blocage soit sur le corps du mousqueton soit sur la gâchette laquelle, maintenant, est entièrement cylindrique. Il n'existe plus de possibilité que la corde et la sangle restent prises en cours d'introduction et de décrochement. L'on a aussi éliminé toutes les arrêtes vives, dues aux fraisages du corps du mousqueton et du doigt, qui ne sont plus nécessaires.

**La seule fermeture "Sans accroc"**

Dieses revolutionäre und patentierte Verschlusssystem verdankt seinem Namen der besonderen Form der Verhakung zwischen dem Hebel und dem Körper des Karabiners, die an ein Türschloss erinnert.

Neuheit dieses Patents ist die endgültige Beseitigung von jeder Art von Zahn sowohl auf dem Karabinerkörper als auch auf dem ganz zylindrischen Hebel.

Es gibt keine Stelle mehr, an der sich Seil oder Schlinge beim Einlegen oder Herausnehmen verhaken können.

Es wurden außerdem alle scharfen Kanten der Fräskanten auf dem Karabinerhaken und dem Hebel beseitigt, die nicht mehr notwendig sind.

**Der einzige Verschluss "ohne Verfangen"**

I connettori con chiusura KEY-LOCK sono in parziale sicurezza anche se la leva è aperta di ben 2 mm!!!

Connectors with KEY-LOCK system are partially in safe condition even with the gate open by as much as 2 mm!!!

Les connecteurs avec fermeture KEY-LOCK offrent une sécurité partielle même lorsque le doigt est ouvert de bien 2 mm!!!

Die Verschlusskarabiner KEY-LOCK garantieren auch dann teilweise Sicherheit, wenn der Hebel gut 2 mm geöffnet ist!!!





## SYMBOLS

**Attenzione!** Spetta solamente all'utilizzatore determinare se un attrezzo è conforme all'uso che ne vuole fare. In caso di dubbio domandate sempre a esperti e competenti.

**General Warning!** *It the responsibility of the user to determine if an item is suitable for its intended use. In doubt always ask experts.*

**Attention!** C'est seulement à l'utilisateur de déterminer si l'article est conforme à l'emploi qu'il veut en faire. En cas de doute, toujours demander à des experts ou des personnes compétentes.

**Achtung!** Es liegt allein beim Benutzer festzulegen, ob eine Ausrüstung für den Verwendungszweck geeignet ist. Im Zweifelsfall immer bei Fachleuten und Sachkundigen nachfragen.



**Attenzione!** Anche se un articolo è conforme a tutte le norme di sicurezza, un uso scorretto può essere molto pericoloso.

**Warning!** *Even if a device conforms to all safety requirements, improper use may be very dangerous.*

**Attention!** Même lorsqu'un article est conforme à toutes les normes de sécurité, un mauvais emploi peut être très dangereux.

**Achtung!** Auch wenn ein Artikel allen Sicherheitsvorschriften entspricht kann ein falscher Gebrauch sehr gefährlich sein.



**Da non fare mai,** in nessun caso. Pericolo di morte.

**Never do it:** *risks of fatal accident.*

**A ne jamais faire, en aucun cas.** Danger de mort.

**Niemals und in keinem Fall tun.** Lebensgefahr!

Tutte le dimensioni riportate sul catalogo sono espresse in mm.

*All dimensions in this catalogue are expressed in millimeters.*

Toutes les dimensions mentionnées dans le catalogue sont en mm.

*Alle im Katalog angegebenen Masse sind in mm ausgedrückt.*

TESTED

Contraddistingue gli articoli collaudati e controllati pezzo per pezzo secondo le procedure del sistema qualità certificato UNI EN ISO 9001.

*This means that every item is tested and checked piece by piece as per our quality manual ISO 9001.*

Signifie que tous les articles ont été testés et contrôlés pièce par pièce conformément à notre manuel de qualité ISO 9001.

*Damit werden die Stück für Stück nach unserem Qualitätshandbuch ISO 9001 geprüften und getesteten Artikel gekennzeichnet.*



Contraddistingue gli articoli certificati secondo le direttive europee e le relative norme CE.

*This indicates that items are certified according to the European Directive and related specific standards.*

Est gravé sur les articles certifiés selon les

Dispositions Européennes et les normes de référence.

*Kennzeichnet die nach den Europäischen Richtlinien und den entsprechenden Bezugsnormen zertifizierten Artikel.*



Contraddistingue gli articoli certificati secondo le norme mondiali dell'UIAA (Unione Internaz. Associazioni Alpinistiche), sovente più restrittive delle norme CE.

*This items means that conform to UIAA standards that are often more severe item CE norms.*

Est gravé sur les articles certifiés selon les normes mondiales de l'UIAA (Union Internationale Associations d'Alpinisme) souvent bien plus restrictives que les normes CE.

*Kennzeichnet die nach den weltweit geltenden Vorschriften der UIAA (Internationale Union der Bergsport-ver-bände), die häufig strenger als die EU-Richtlinien sind, zertifizierten Produkte.*



KEY LOCK  
SYSTEM

Key Lock System è il rivoluzionario sistema di chiusura brevettato che elimina ogni possibile punto di impiglio sui connettori.

*Key Lock System is a revolutionnary patented locking system that avoids any possible snagging point on connectors.*

Key Lock System est le système de fermeture révolutionnaire, breveté, qui élimine tous les points d'accrochage possibles sur les mousquetons.

*Key Lock System ist das revolutionäre patentierte Verschluss-System, das ein Verfangen oder Hängenbleiben an den Karabinern verhindert.*





Indica il carico di rottura dei connettori lungo l'asse maggiore con leva chiusa, e in generale la direzione del carico previsto.  
*This mark indicates the breaking strength of connectors along the major axis with gate closed and generally the direction of expected load.*  
 Indique le point de rupture des connecteurs sur l'axe principal, avec le doigt fermé, et en général la direction de la portée prévue.  
*Gibt die Bruchlast der Karabiner auf der Hauptachse und bei geschlossenem Verschluss an, sowie allgemein die Richtung der vorgesehenen Belastung.*



Indica il carico di rottura dei connettori lungo l'asse minore.  
*This mark indicates the breaking strength of connectors along the minor axis.*  
 Indique le point de rupture des connecteurs sur l'axe secondaire.  
*Gibt die Bruchlast der Karabiner auf der Nebenachse an.*



Indica il carico di rottura dei connettori lungo l'asse maggiore con leva aperta.  
*This mark indicates the breaking strength of connectors along the major axis with the gate open.*  
 Indique le point de rupture des connecteurs sur l'axe principal avec le doigt ouvert.  
*Gibt die Bruchlast der Karabiner auf der Hauptachse bei offenem Verschluss an.*



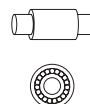
Indica il peso del prodotto espresso in grammi.  
*It marks the weight shown in gramme.*  
 Indique le poids du produit en grammes.  
*Zeigt das Gewicht in Gramm.*



Indica il diametro della corda da utilizzare, o comunque la più adatta per il corretto funzionamento dell'attrezzo.  
*It marks the diameter of the rope to be used or the most suitable for the correct working of the device.*  
 Indique le diamètre recommandé pour une bonne utilisation du produit.  
*Gibt den Durchmesser des zu benutzenden oder in jedem Fall des geeigneten Seils für die einwandfreie Funktion der Ausrüstung an.*



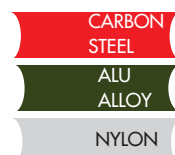
Indicano se gli attrezzi montano bronzina o cuscinetto.  
*They mark if tools are fitted with bronze bush or ball bearing.*  
 Indique le type de coussinet Bronze ou Billes.  
*Kennzeichnung ob ein Bronze-oder Kugellager verwendet wird.*



Indicano il materiale prevalente impiegato per la produzione dell'articolo.  
*They mark the prevalent material used to produce the item.*  
 Indique la prélevant matière première utilisée pour la fabrication du produit.  
*Beschreibt das verwendete Material.*



Indicano il materiale impiegato per la produzione delle pulegge.  
*They mark the material used to produce sheaves.*  
 Indique le matériel employé pour la production des poulies.  
*Verwendetes Material bei der Seilrollenproduktion.*



Indicano i connettori compatti con apertura superiore ai 25 mm. Specifici per l'assicurazione della pagaia ed il recupero del Kayak.  
*They mark connector with opening over 25 mm . Specific for paddle fastening and kayak retrieval.*  
 Connecteur avec une ouverture supérieure à 25 mm. (spécifique au Kayak).  
*Karabiner mit einer Schnapperöffnung über 25mm. Speziell für das anhängen und befestigen von Kajaks.*





# SYMBOLS

## KLETTERSTEIG

Indica le attrezzature specifiche per la progressione su vie ferrate.  
*It marks the specific equipment for "Via Ferrata" or klettersteig.*  
Équipement spécifique pour "Via Ferrata".  
*Markiert spezielle Artikel zur Verwendung am Klettersteig.*

## UNIVERSAL SIZE

Indica le attrezzature con taglia universale.  
*It marks item with universal size.*  
Taille universelle.  
*Artikel in Universalgrösse.*



## XX POINTS

Indica il numero di punte per rampone.  
*It marks the number of points per crampons.*  
Nombre de pointes pour chaque crampons.  
*Anzahl der Zacken am Steigeisen.*

## GHIERA A VITE - SCREW SLEEVE - VIROLE A VIS - SCHRAUBE



SC



svita - Unscrew  
dévisser - aufschrauben



apri - open  
ouvrir - öffnen



avvita - screw  
vis - schraube

## GHIERA AUTO BLOCK - AUTO BLOCK SLEEVE - VIROLE AUTO BLOCK - SELBSTBLOCKIERUNG



AB



alza - lift  
lever - anheben



ruota - turn  
tourner - drehen



apri - open  
ouvrir - öffnen



blocco automatico  
automatic block  
fermeture automatique  
automatisches verschliessen

## GHIERA TWIST LOCK - TWIST LOCK SLEEVE - VIROLE TWIST-LOCK - TWIST LOCK VERSCHLUSS



TW



ruota - turn  
tourner - drehen



apri - open  
ouvrir - öffnen



blocco automatico  
automatic block  
fermeture automatique  
automatisches verschliessen

## GHIERA EXPRESS - EXPRESS SLEEVE - VIROLE EXPRESS - EXPRESS VERSCHLUSS



EX



abbassa - Pull down  
descendre - nach unten ziehen



apri - open  
ouvrir - öffnen



blocco automatico  
automatic block  
fermeture automatique  
automatisches verschliessen

## Il controllo di produzione

**inizia a livello di progetto con calcoli teorici e dimensionali e prosegue con prove pratiche sui prototipi.**

I Dispositivi di Protezione Individuale (DPI) vengono ulteriormente testati e certificati da organismi notificati. Tutti gli articoli destinati alla sicurezza delle persone vengono collaudati pezzo per pezzo secondo rigidi parametri prefissati. Su campionature casuali (Sigma) vengono inoltre effettuate prove distruttive per verificare il carico d'uso e l'effettivo carico di rottura. Per finire, un ulteriore controllo visivo finale valuta, pezzo per pezzo, anche gli aspetti estetici. La KONG, fin dalle origini, si è sempre data delle regole ferree per garantire che ogni prodotto resistesse ai carichi previsti, controllandolo e testandolo pezzo per pezzo. Questo sistema che è alla base della filosofia di lavoro della KONG ha trovato la sua naturale evoluzione in quello che la scienza e gli standard moderni chiamano sistema di qualità **UNI EN ISO 9001**. Questo vuol dire che quando si inventa un nuovo articolo, si costruisce un prototipo, lo si fa testare da un organismo notificato che ne verifica la conformità agli standard e poi lo si mette in produzione con la garanzia assoluta che il milionesimo pezzo sia identico in tutto e per tutto al primo pezzo prodotto. Ad ulteriore garanzia dell'utilizzatore finale, la maggior parte dei prodotti KONG è certificata secondo le norme **UIAA** - Unione Internazionale delle Associazioni Alpinistiche e secondo le norme **CE** (Direttiva 89/686/CEE).

Molti nostri articoli sono inoltre certificati secondo norme particolari:

**NFPA - OSHA/ANSI - RINA - ASTM** etc o specifiche militari.

## Production control

**starts at planning stage with dimensional and theoretical calculations. It goes on to actual tests on prototypes.**

Personal Protective Equipment (PPE) is further submitted to tests for certification by a Notified Body. All items in which personal safety is involved are individually tested piece per piece following rigid predetermined parameters. Effective breaking tests are carried out on randomly sampled following Sigma procedure.

At the end a visual piece by piece control guarantees the aesthetic finish. From commencement the company has adopted tough rules, in order to guarantee that every single product endures the weight involved, by checking and testing each item one by one.

This system, which remains at the heart of Kong's working philosophy, has successfully evolved into what science and modern standards call "the **UNI EN ISO 9001** quality system". It basically means that whenever a new item is invented, a prototype is produced, which is tested by a Notified Body.

The notified body verifies that it meets the relevant standards and only then is the item put in production, guaranteeing through and through that the millionth item produced is identical in every single way to the first. As a further guaranty to the final user most parts of KONG products are certified and marked **UIAA** International Union of Alpine Association and **CE** (following directive 89/686/CEE).

Many of our items are certified following other standards: **(NFPA - OSHA/ANSI - RINA - ASTM)** or military standards.

QUALITY SYSTEM  
UNI EN ISO 9001



## Le contrôle de la production

**commence au niveau du projet par des calculs théoriques et dimensionnels, et se poursuit par des essais pratiques sur des prototypes.** Les Dispositifs de Protection Individuelle (DPI) sont ultérieurement testés et certifiés par des organisations notifiées. Tous les articles destinés à la sécurité de l'individu sont testés pièce par pièce conformément aux paramètres préfixés qui sont très strictes.

En outre, sur des échantillonnages (procédure Sigma), on exécute des tests destructifs pour vérifier la portée à l'emploi et la portée de rupture effective. Enfin, un contrôle visuel ultérieur, évalue, pièce par pièce, les aspects esthétiques.

Depuis ses origines, la société KONG a toujours adopté des règles bien strictes afin de garantir la résistance de chaque produit aux portées prévues, en le contrôlant et en le testant pièce par pièce.

Ce système, qui est à la base de la philosophie de travail de la société KONG, a trouvé son évolution naturelle dans ce que la science et les standards modernes dénomment système de qualité **UNI EN ISO 9001**.

Ceci signifie qu'à l'élaboration d'un nouvel article, on construit un prototype, on le fait tester par une organisation notifiée qui en vérifie la conformité aux standards.

Ensuite, on le met en production avec la garantie absolue que la millionième pièce sera identique, en tout et pour tout, à la première pièce produite.

Comme garantie supplémentaire à l'utilisateur final, la majeure partie des produits KONG est certifiée selon les normes **UIAA** Union Internationale des Associations d'Alpinisme et selon la norme 89/686/CEE (marquage **CE**).

Nombre de nos articles sont en outre certifiés conformément à des normes particulières (**NFPA - OSHA/ANSI - RINA - ASTM** etc.) ou selon des spécifications militaires.

## Die Produktionskontrolle

**beginnt bereits beim Entwurf mit theoretischen und dimensional Berechnungen und wird dann mit praktischen Prüfungen der Prototypen fortgesetzt.**

Die persönlichen Schutzausrüstungen (PSA) werden noch zusätzlich von zugelassenen Zertifizierstellen getestet.

Alle für die Personensicherheit bestimmten Artikel werden Stück für Stück nach strengen vorbestimmten Parametern geprüft. Bei zufälligen Stichproben (Sigma-System) werden außerdem Zerstörungstests durchgeführt, um die Einsatzlast und die tatsächliche Bruchlast zu kontrollieren. Zum Schluss wird anhand einer weiteren Sichtkontrolle Stück für Stück auch das Aussehen bewertet.

KONG hat sich von Anfang an einer eiseren Regel unterworfen, um zu garantieren, dass jedes Produkt den vorgesehenen Lasten standhält und hat Stück für Stück geprüft und getestet. Dieses System ist die Grundlage der Arbeitsphilosophie von KONG und hat seine natürliche Weiterentwicklung in dem gefunden, was die Wissenschaft und die modernen Standards mit dem Qualitätssystem **UNI EN ISO 9001** bezeichnen. Das bedeutet, dass bei der Erfindung eines neuen Artikels ein Prototyp gebaut wird, der von einer zugelassenen Behörde getestet wird, die dessen Übereinstimmung mit den Standards prüft und erst dann geht der Artikel mit der absoluten Garantie in die Produktion, dass das tausendste Stück absolut mit dem ersten hergestellten Stück identisch ist. Als weitere Garantie für den Endverbraucher ist der Großteil der Produkte von KONG nach den Vorschriften der **UIAA** Internationale Union der Bergsportverbände und nach der Richtlinie EU89/686 (**CE**-Kennzeichen) zertifiziert.

Viele unserer Artikel sind außerdem nach besonderen Vorschriften (**NFPA - OSHA/ANSI - RINA - ASTM** usw.) oder Militärspezifikationen zertifiziert.



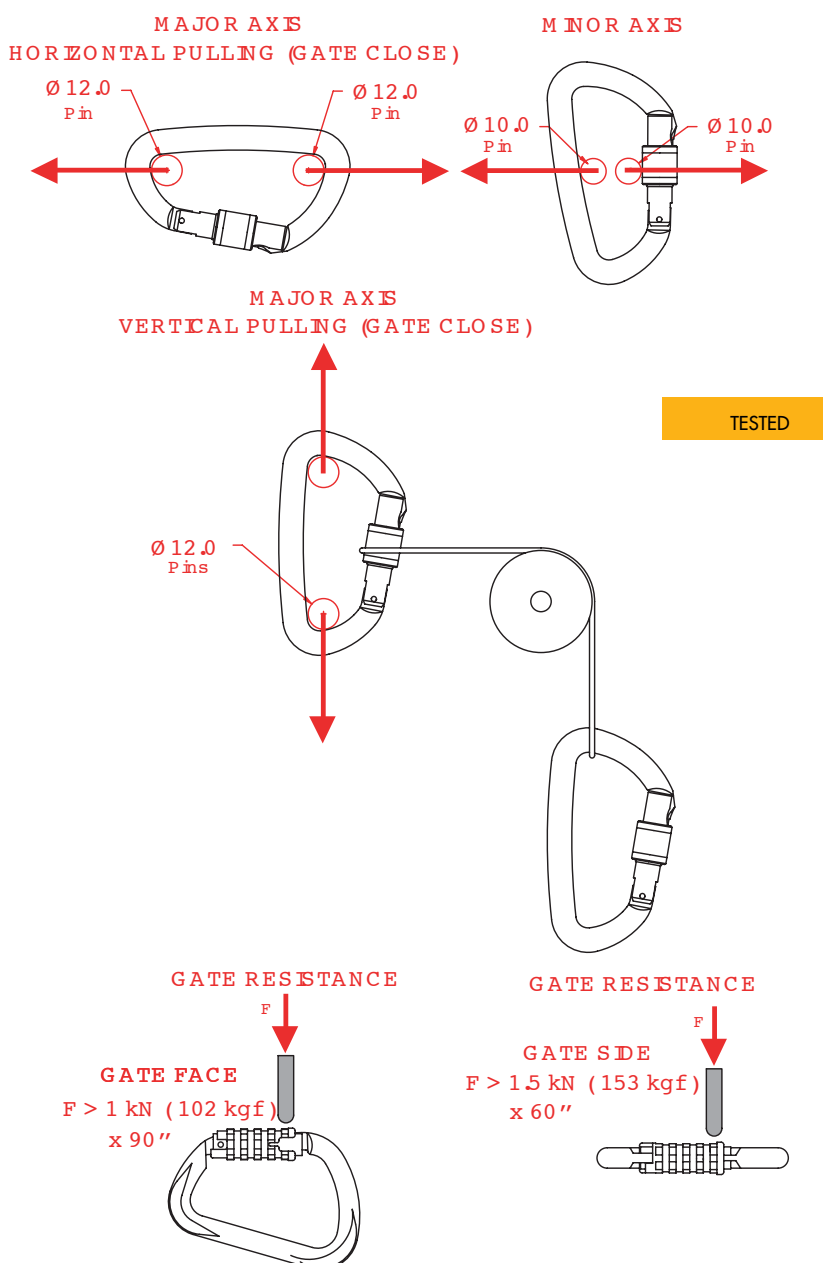
## GENERAL SAFETY REMARKS

**Attenzione:** sui connettori é marcato il carico massimo garantito, molto vicino a quello di rottura. Un connettore sottoposto a tale carico si deforma permanentemente e deve essere assolutamente sostituito. I connettori e le ghiera vengono testati come riportato nelle seguenti illustrazioni

**Attention:** le poids maximum garanti, tout proche de celui de rupture, est gravé sur les connecteurs. Un connecteur soumis à ce poids se déforme en permanence et doit absolument être substitué. Les connecteurs et les viroles sont testés, comme rapporté dans les illustrations qui suivent.

**Warning:** The maximum tolerated load very close to breakage point is marked on the connectors. Connectors supporting this stress will be permanently deformed and must be absolutely replaced. See the following pictures for connector and sleeve testing.

**Achtung:** Auf den Karabinern ist die maximal garantierte Last markiert, die sehr nahe an der Bruchlast liegt. Ein Karabiner, der einer solchen Belastung ausgesetzt wird, verformt sich dauerhaft und muss von daher unbedingt ausgewechselt werden. Die Karabiner und Muttern werden so getestet, wie in den folgenden Abbildungen zu sehen.






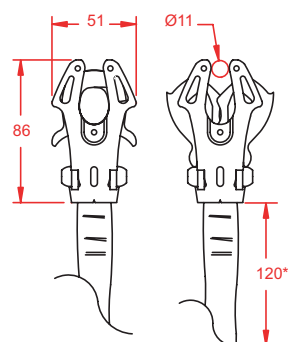


# CONNECTORS



D. Provalov in Krubera, the deepest cave in the world (-2170m) - Arabika (W. Caucasus - Abkhaz) - ph: Covex Team

	EN 12275 EN 362
TESTED	 22 kN
ALU ALLOY	 74 g



FETTUCCE: a richiesta altre lunghezze

\* WEBBING: other lengths on request

SANGLES: de différentes longueurs, sur demande

SCHLINGEN: Auf Anfrage auch andere Längen







EN 12275  
EN 362 - 959 - 795B

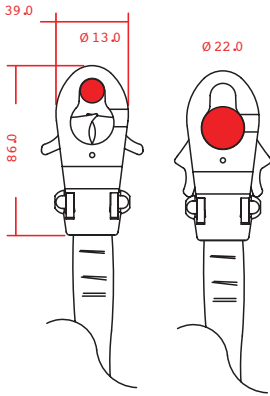
TESTED

22 kN

STAINLESS  
STEEL

110 g

# 761.SET.SL  
**SOLEYMIEUX**



# 815  
**FIX  
SOLEYMIEUX**

# 815.01



Ø 10 mm x 90 mm - 62 g

# 815.02



Ø 12 mm x 100 mm - 95 g

# 815.03



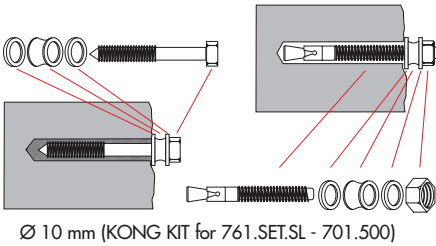
Ø 10 mm x 90 mm - 55 g

# 815.04

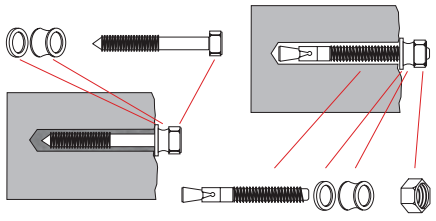


Ø 12 mm x 100 mm - 88 g

# 815  
**FIX  
SOLEYMIEUX**



Ø 10 mm (KONG KIT for 761.SET.SL - 701.500)



Ø 12 mm (KONG KIT for 761.SET.SL - 701.500)



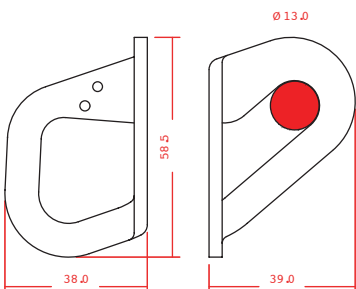
EN 795B  
EN 959

TESTED

70 g

STAINLESS  
STEEL

# 701.500  
**WIDE SOLEYMIEUX**

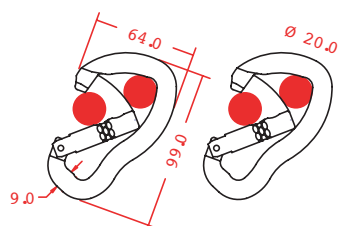


::  
 # 793  
**ERGO**  
 straight  
 gate



	EN 12275		KEY LOCK SYSTEM
	NFPA-P		29 kN
	TESTED		10 kN
	ALU ALLOY		12 kN
			55 g

**29 kN - 99 mm!**



::  
 # 763  
**ERGO**  
 bent  
 gate



EN 12275 NFPA-P  
 key-lock system - tested  
 29 kN 10 kN  
 12 kN 55 g



::  
 # 783.A1  
**ERGO**  
 screw  
 sleeve



EN 12275 NFPA-P  
 EN 362/B  
 key-lock system - tested  
 29 kN 10 kN  
 12 kN 60 g



::  
 # 783.G1  
**ERGO**  
 express  
 sleeve



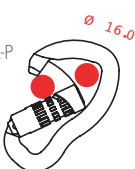
EN 12275 NFPA-P  
 EN 362/B  
 key-lock system - tested  
 29 kN 10 kN  
 12 kN 60 g



::  
 # 783.SN  
**ERGO**  
 auto  
 block



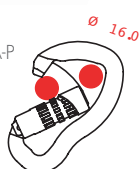
EN 12275 NFPA-P  
 EN 362/B  
 key-lock system - tested  
 29 kN 7 kN  
 65 g



::  
 # 783.RF  
**ERGO**  
 twist  
 lock



EN 12275 NFPA-P  
 EN 362/B  
 key-lock system - tested  
 29 kN 7 kN  
 65 g





::  
 # 907  
**ERGO WIRE**  
 double  
 gate



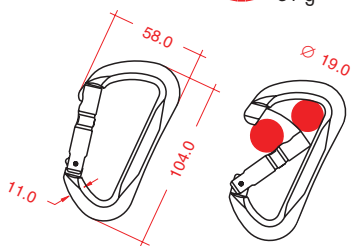
EN 12275 K  
 EN 362/B  
 key-lock system - tested  
 30 kN 7 kN  
 10 kN 70 g



**NEW**

 EN 12275	 KEY LOCK SYSTEM
TESTED	◄► 26 kN
ALU ALLOY	⬆ 9 kN
	🔒 10 kN


📦 51 g



⚙  
# 792  
**ULTRATOP**  
straight  
gate

⚙  
# 762  
**ULTRATOP**  
bent  
gate




 EN 12275  
key-lock system - tested  
◄► 26 kN ⬆ 9 kN  
🔒 10 kN 📦 51 g



⚙  
# 782  
**ULTRATOP**  
screw  
sleeve




 EN 12275  
EN 362/B  
key-lock system - tested  
◄► 29 kN ⬆ 9 kN  
🔒 10 kN 📦 56 g





⚙  
# 905  
**ULTRATOP WIRE**  
straight  
gate

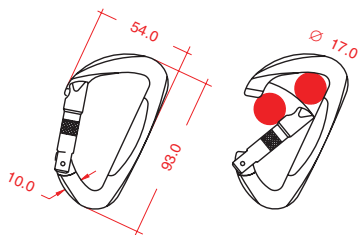


 EN 12275  
tested  
◄► 25 kN ⬆ 10 kN  
🔒 10 kN 📦 42 g



 EN 12275	 KEY LOCK SYSTEM
TESTED	◄► 22 kN
ALU ALLOY	⬆ 8 kN
	🔒 7 kN

📦 37 g



📦 37 g!

⚙  
# 718  
**HELIUM**  
straight  
gate

⚙  
# 728  
**HELIUM**  
bent  
gate








 EN 12275  
key-lock system - tested  
◄► 22 kN ⬆ 8 kN  
🔒 7 kN 📦 37 g

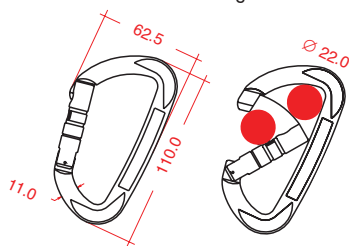


::  
 # 713  
**GUIDE**  
 straight  
 gate



 <b>CE</b> EN 12275	 KEY LOCK SYSTEM
<b>TESTED</b>	 30 kN
<b>ALU ALLOY</b>	 10 kN
 10 kN	

 65 g



::  
 # 723  
**GUIDE**  
 bent  
 gate



::  
 # 733.A1  
**GUIDE**  
 screw  
 sleeve



 **CE** EN 12275  
 key-lock system - tested  
 30 kN  10 kN  
 10 kN  65 g








 **CE** EN 12275  
 EN 362/B  
 key-lock system - tested  
 30 kN  10 kN  
 10 kN  70 g

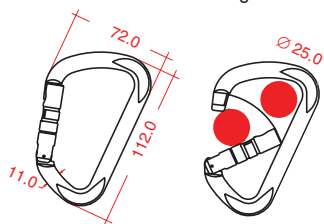


::  
 # 717  
**LARGE MULTIUSE**  
 straight  
 gate



 <b>CE</b> EN 12275	 KEY LOCK SYSTEM
<b>TESTED</b>	 27 kN
<b>ALU ALLOY</b>	 9 kN
 9 kN	

 65 g








 Ø 25 mm!

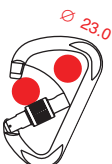
::  
 # 737.A1  
**LARGE MULTIUSE**  
 screw  
 sleeve








::  
 # 737.RF  
**LARGE MULTIUSE**  
 twist lock





 **CE** EN 12275  
 EN 362/B  
 key-lock system - tested  
 27 kN  9 kN  
 9 kN  73 g

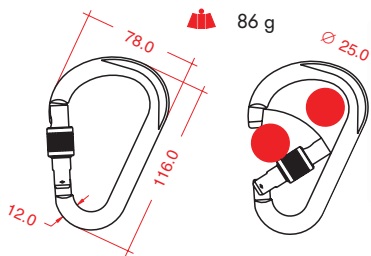


 **CE** EN 12275 K  
 EN 362/B  
 key-lock system - tested  
 27 kN  9 kN  
 9 kN  75 g





	EN 12275 EN 362/B		KEY LOCK SYSTEM
TESTED	22 kN		
ALU ALLOY	8 kN		
SC	6 kN		




# 786.A1  
**H.M.S.  
CLASSIC**  
screw  
sleeve

# 786.SN  
**H.M.S.**  
auto  
block




# 786.RF  
**H.M.S.**  
twist  
lock





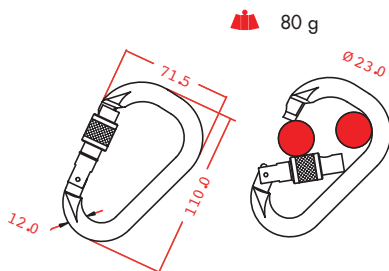
 EN 12275  
EN 362/B  
key-lock system - tested  
22 kN 8 kN  
90 g



 EN 12275  
EN 362/B  
key-lock system - tested  
22 kN 8 kN  
90 g



	EN 12275 EN 362/B		KEY LOCK SYSTEM
TESTED	22 kN		
ALU ALLOY	10 kN		
SC	7 kN		




# 957.A1  
**H.M.S.  
NAPIK**  
screw  
sleeve

# 957.SN  
**H.M.S.  
NAPIK**  
auto  
block




# 957.RF  
**H.M.S.  
NAPIK**  
twist  
lock



 EN 12275  
EN 362/B  
key-lock system - tested  
22 kN 8 kN  
85 g










 EN 12275  
EN 362/B  
key-lock system - tested  
22 kN 8 kN  
85 g

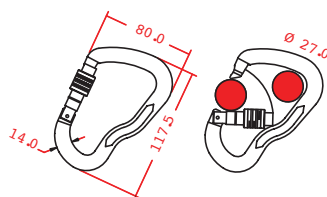


::  
 # 778.G1  
**FERRATA**  
 express  
 sleeve




**Ø 27 mm!**

 <b>EN 12275</b> 	 <b>KEY LOCK SYSTEM</b>
<b>TESTED</b>	 30 kN
<b>ALU ALLOY</b>	 10 kN
 <b>EX</b>	 90 g
<b>KLETTERSTEIG</b>	



::  
 # 778.A1  
**FERRATA**  
 screw  
 sleeve









::  
 # 778.SN  
**FERRATA**  
 auto  
 block








::  
 # 778.RF  
**FERRATA**  
 auto  
 block








 **EN 12275**   
 key-lock system - tested  
 30 kN  10 kN  
 10 kN  90 g



 **EN 12275**   
 key-lock system - tested  
 30 kN  10 kN  
 95 g









 **EN 12275**   
 key-lock system - tested  
 30 kN  10 kN  
 95 g

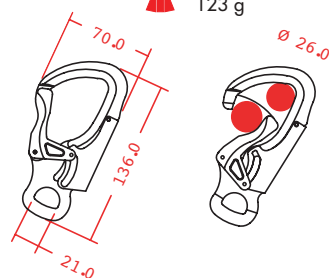


::  
 # 715  
**TANGO**  
 double  
 gate









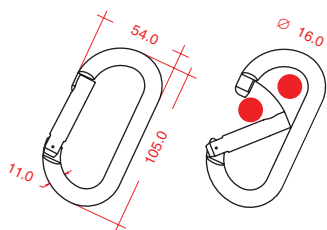
 <b>EN 12275</b> 	 <b>KEY LOCK SYSTEM</b>
<b>NFPA-P</b>	 33 kN
<b>TESTED</b>	 12 kN
<b>ALU ALLOY</b>	 15 kN

 123 g





 EN 12275	 KEY LOCK SYSTEM
TESTED	 22 kN
ALU ALLOY	 7 kN
	 7 kN
	 60 g



⌘  
# 710  
**OVAL ALU**  
straight  
gate






 special for speleo

⌘  
# 730.A1  
**OVAL ALU CLASSIC**  
screw  
sleeve




⌘  
# 731.A1  
**OVAL ALU PIN**  
screw  
sleeve



 EN 12275  
EN 362/B  
key-lock system - tested  
 22 kN  7 kN  
 7 kN  65 g



 EN 12275⊗  
2 pins - tested  
 20 kN  7 kN  
 6 kN  65 g



⌘  
# 463  
**OVAL STEEL**  
straight  
gate




⌘  
# 462.C1  
**OVAL STEEL CLASSIC**  
screw  
sleeve



 EN 12275⊗  
key-lock system - tested  
carbon steel  
 24 kN  10 kN  
 6 kN  140 g



 EN 12275⊗  
EN 362/B  
key-lock system - tested  
carbon steel  
 24 kN  10 kN  
 6 kN  143 g



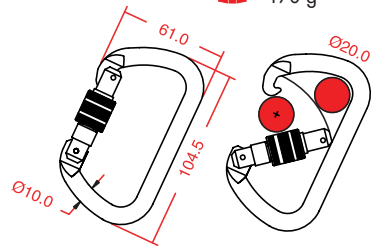


# 467.C1  
**OVAL/D  
STEEL**  
screw  
sleeve



EN 12275 (X) EN 362/B	
TESTED	↔ 26 kN
CARBON STEEL	⬆ 8 kN
SC	5 kN

170 g



# 465.C1  
**OVAL/D  
TEMPERED  
STEEL**  
screw  
sleeve



EN 12275 NFPA-G  
EN 362/M

2 pins - tested  
carbon steel  
↔ 42 kN ⬆ 15 kN  
 11 kN 170 g

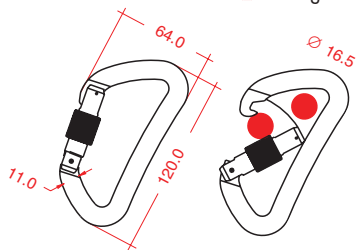


# 785.AN  
**HEAVY  
DUTY  
ALU**  
screw  
sleeve



EN 12275 EN 362/B	
TESTED	↔ 40 kN
ALU ALLOY	⬆ 11 kN
SC	14 kN

85 g



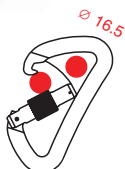
# 472.C1  
**HEAVY  
DUTY  
PLUS**










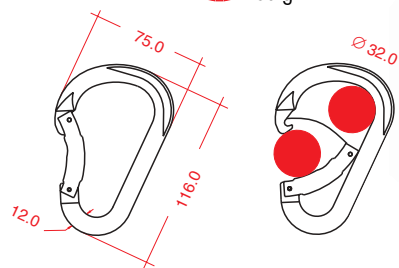
60 kN!

EN 12275  
EN 362/M


2 pins - tested  
carbon steel  
↔ 60 kN ⬆ 15 kN  
 25 kN 232 g



  EN 12275	
<b>TESTED</b>	 22 kN
<b>ALU ALLOY</b>	 8 kN
 <b>KAYAK</b>	 7 kN
	 80 g



 32 mm!

  
# 266  
**PADDLE**  
bent  
gate

  
# 267.NY  
**PADDLE  
BAR**  
bent  
gate









  
# 901  
**PADDLE  
WIRE**  
bent  
gate










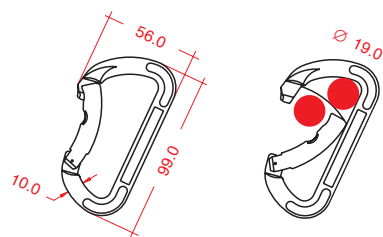
  EN 12275  
cross bar - tested  
 22 kN  8 kN  
 7 kN  81 g





  EN 12275  
tested  
 22 kN  8 kN  
 7 kN  71 g




  EN 12275	 <b>KEY LOCK SYSTEM</b>
<b>TESTED</b>	 24 kN
<b>STAINLESS STEEL</b>	 8 kN
	 10 kN
	 125 g




  
# 524  
**INDOOR**  
bent  
gate

  
# 564  
**INDOOR**  
straight  
gate









  
# 567  
**INDOOR  
BAR**  
straight  
gate









  
# 566.C3  
**INDOOR**  
screw  
sleeve







  EN 12275  
key-lock - tested  
 24 kN  7 kN  
 8 kN  125 g



  EN 12275  
key-lock - tested - cross bar  
 24 kN  7 kN  
 8 kN  126 g





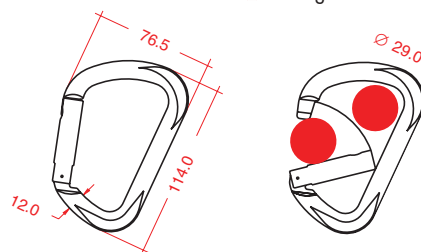
keylock - tested  
 24 kN  7 kN  
 8 kN  130 g



::  
 # 910  
**X-LARGE**  
**ALU**  
 straight  
 gate



 EN 12275	 KEY LOCK SYSTEM
TESTED	30 kN
ALU ALLOY	9 kN
	9 kN
	85 g



::  
 # 911.A1  
**X-LARGE**  
**ALU**  
 screw  
 sleeve




::  
 # 911.SN  
**X-LARGE**  
**ALU**  
 auto  
 block




::  
 # 911.RF  
**X-LARGE**  
**ALU**  
 twist  
 block




 EN 12275  
 EN 362/B  
 key-lock system - tested  
 30 kN 9 kN  
 9 kN 90 g



 EN 12275  
 EN 362/B  
 key-lock system - tested  
 30 kN 9 kN  
 95 g





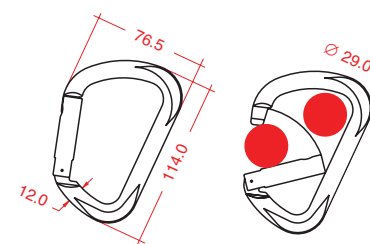
 EN 12275  
 EN 362/B  
 key-lock system - tested  
 30 kN 9 kN  
 95 g



::  
 # 510  
**X-LARGE**  
**INOX**  
 straight  
 gate



 EN 12275	 KEY LOCK SYSTEM
TESTED	35 kN
STAINLESS STEEL	11 kN
	7 kN
	240 g



::  
 # 511.L3  
**X-LARGE**  
**INOX**  
 long  
 screw  
 sleeve



::  
 # 511.SN  
**X-LARGE**  
**INOX**  
 auto  
 block




::  
 # 511.RF  
**X-LARGE**  
**INOX**  
 twist  
 lock



 EN 12275  
 EN 362/B  
 keylock system - tested  
 35 kN 11 kN  
 7 kN 250 g





 EN 12275  
 EN 362/B  
 keylock system - tested  
 35 kN 11 kN  
 250 g

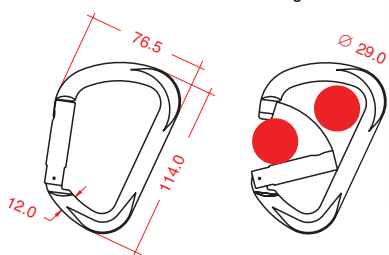


 EN 12275  
 EN 362/B  
 keylock system - tested  
 35 kN 11 kN  
 250 g





 EN 12275	 KEY LOCK SYSTEM
TESTED	50 kN
CARBON STEEL	13 kN
	20 kN
	230 g




# 410  
**X-LARGE  
C STEEL**  
straight  
gate

# 411. C1  
**X-LARGE  
C STEEL**

screw  
sleeve




 EN 12275  
EN 362/B  
key-lock system - tested  
50 kN 13 kN  
20 kN 235 g



# 411. L1  
**X-LARGE  
C STEEL**

long  
screw  
sleeve



 EN 12275  
EN 362/B  
key-lock system - tested  
long sleeve +2 extra turns  
50 kN 13 kN  
20 kN 240 g



# 411. SN  
**X-LARGE  
C STEEL**

auto  
block



 EN 12275  
EN 362/B  
key-lock system - tested  
50 kN 13 kN  
240 g



# 411. RF  
**X-LARGE  
C STEEL**

twist  
lock



 EN 12275  
EN 362/B  
key-lock system - tested  
50 kN 13 kN  
240 g





# 705

ALU  
HARNESS



#	d	H	L	Ø	◀▶	🧑
	mm	mm	mm	mm	Max Kg	g.
705.05	5,0	33,5	52,5	12,0	150	6
705.06	6,0	40,5	64,5	15,0	150	11
705.08	8,0	53,0	86,0	18,0	600	26



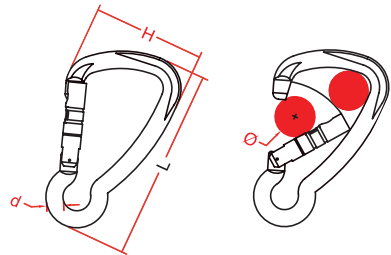
Not for  
human support



KEY LOCK  
SYSTEM

TESTED

ALU  
ALLOY



# 755

MINI PEAR



#	d	H	L	Ø	◀▶	🧑
	mm	mm	mm	mm	Max Kg	g.
755.05	5,0	25,0	50,0	7,0	120	9
755.06	6,0	30,0	60,0	9,0	150	10



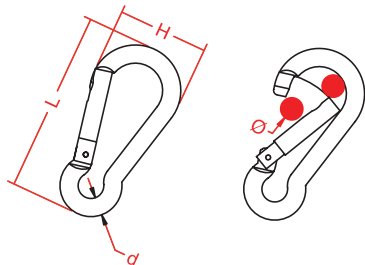
Not for  
human support



KEY LOCK  
SYSTEM

TESTED

ALU  
ALLOY



# 751

MINI "D"



#	d	H	L	Ø	◀▶	🧑
	mm	mm	mm	mm	Max Kg	g.
751	8,0	44,0	80,0	15	600	30



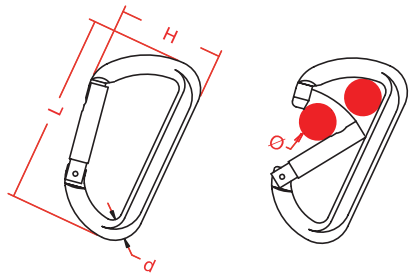
Not for  
human support



KEY LOCK  
SYSTEM

TESTED

ALU  
ALLOY



# 702

ALU HOOK



#	F	H	L	Ø	◀▶	🧑
	mm	mm	mm	mm	Max Kg	g.
702	20	43,0	77,5	/	300	16



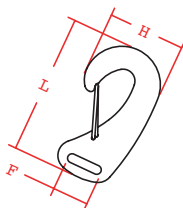
Not for  
human support



KEY LOCK  
SYSTEM

TESTED

ALU  
ALLOY





Attenzione !

Chiusura mediante avvitamento manuale e completo sulla ghiera.  
Per garantire una sicurezza ottimale nessun filetto deve essere visibile.

Q-LINKS



Warning !

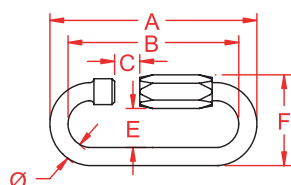
Sleeve tightly screwed up by hand to close.  
No thread should be visible to be absolutely safe

Attention !

Fermeture par vissage manuel et complet de la virole. Pour garantir une sécurité optimale (le filetage ne doit absolument pas être visible).

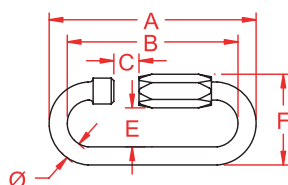
Achtung !

Schließen durch manuelles und komplettes Zuschrauben der Mutter.  
Um optimale Sicherheit zu gewährleisten darf kein Gewinde mehr zu sehen sein.



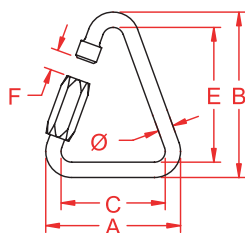
# 600  
**QUICK  
LINKS**

CODE #	material	TESTED	◀▶	◀▶	S.W.L. 1/5 USE kg	UIAA	CE	CE	Ø mm	A mm	B mm	C mm	E mm	F mm	g
600.3.5D1	STAINLESS STEEL	ok	/	/	230 Kg	/	/	/	3.5	37	30	5.5	7	17	9
600.04.D1	STAINLESS STEEL	ok	/	/	300 Kg	/	/	/	4	41	33	6	8	21	13
600.05.D1	STAINLESS STEEL	ok	/	/	450 Kg	/	/	/	5	50	40	7	11	26	22
600.06.D1	STAINLESS STEEL	ok	/	/	700 Kg	/	/	/	6	58	46	8	12	29	34
600.08.D1	STAINLESS STEEL	ok	40	25	/	121	12275	362/Q	8	74	58	10	15	39	79
600.10.D1	STAINLESS STEEL	ok	60	30	/	121	12275	362/Q	10	89	69	12	19	47	142
600.12.D1	ok	/	/	/	3000 Kg	/	/	/	12	105	80	14	20	52	222



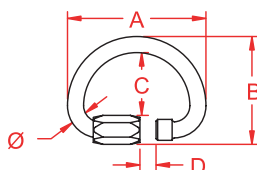
# 403  
**QUICK  
LINKS  
LONG**

CODE #	material	TESTED	◀▶	◀▶	S.W.L. 1/5 USE kg	UIAA	CE	CE	Ø mm	A mm	B mm	C mm	E mm	F mm	g
403.07.B2	CARBON STEEL	ok	30 kN	10 kN	/	121	12275	362/Q	7	79	65	16	13	33	61



# 602  
**TRIANGLE  
QUICK  
LINKS  
INOX**

CODE #	material	TESTED	◀▶	◀▶	S.W.L. 1/5 USE kg	UIAA	CE	CE	Ø mm	A mm	B mm	C mm	E mm	F mm	g
602.08.D1	STAINLESS STEEL	ok	40	25	/	121	12275	362/Q	8	56	72	40	56	10	89
602.10.D1	STAINLESS STEEL	ok	60	30	/	121	12275	362/Q	10	66	86	46	66	12	155



# 409 - 709  
**"D"  
QUICK  
LINKS**

CODE #	material	TESTED	◀▶	◀▶	S.W.L. 1/5 USE kg	UIAA	CE	CE	Ø mm	A mm	B mm	C mm	E mm	F mm	g
409.10.B2	CARBON STEEL	ok	25	10	/	121	12275	/	11	87	67	43	/	/	152
709.10.A1	ALU ALLOY	ok	25	10	/	121	12275	/	11	87	67	43	/	/	54



# EXPRESS



"Bastione" (5b+) - Carnalbo (Bergamo - Italy) - archive: E. Baistrocchi - ph: L. Grassi






# 761.SET.40

## EXPRESS FROG

  EN 12275

 KEY LOCK SYSTEM

TESTED

 130 g



763


761.SET.FR



# 761.SET.47

## EXPRESS SOLEYMIEUX

  EN 12275

 KEY LOCK SYSTEM

TESTED

 125 g



763

761.SET.SL




# 761.SET.35 (anodised)

# 761.SET.36 (polish)

## EXPRESS ERGO

  EN 12275

 KEY LOCK SYSTEM

TESTED

 125 g



763

793


270.V.012



# 761.SET.37

## EXPRESS ERGO DYNEEMA®

  EN 12275

 KEY LOCK SYSTEM

TESTED

 120 g



793

763

270.D.012

		EN 12275		KEY LOCK SYSTEM
TESTED				130 g

  
 # 761.SET.39  
**EXPRESS ERGO DYNEEMA®  
STRONG**



		EN 12275		KEY LOCK SYSTEM
TESTED				115 g

  
 # 761.SET.30 (anodised)  
 # 761.SET.31 (polish)  
**EXPRESS ULTRALIGHT**




		EN 12275		KEY LOCK SYSTEM
TESTED				115 g

  
 # 761.SET.02 (anodised)  
 # 761.SET.01 (polish)  
**EXPRESS ULTRA TOP**



		EN 12275		KEY LOCK SYSTEM
TESTED				80 g


  
 # 761.SET.24 (anodised)  
 # 761.SET.23 (polish)  
**EXPRESS HELIUM**





- # 761.SET.04 (anodised)
- # 761.SET.03 (polish)

EXPRESS MIX

		EN 12275		KEY LOCK SYSTEM
				105 g



- # 761.SET.06 (anodised)
- # 761.SET.05 (polish)

EXPRESS WIRE

		EN 12275		KEY LOCK SYSTEM
				100 g



- # 761.SET.11 (anodised)
- # 761.SET.10 (polish)

EXPRESS GUIDE

		EN 12275		KEY LOCK SYSTEM
				150 g



- # 761.SET.18

EXPRESS INDOOR

		EN 12275		KEY LOCK SYSTEM
				215 g







810



809



813



810.01



### FAST-INOX

Fermacorda mobile in acciaio inox da infilare sul corpo del moschettone. Può essere sfilato e riutilizzato.

*Movable rope fastener of stainless steel to be inserted on carabiner body. It can be slipped out and re-used.*

Stoppeur de corde mobile en acier inox à enfiler sur le corps du mousqueton. Il est possible de l'extraire et de le réutiliser.

*Bewegliche Seilbefestigung aus Edelstahl, wird auf den Karabinerkörper aufgezogen. Lässt sich abziehen und kann wieder benutzt werden.*



### FAST-OPEN

Fermacorda aperto in acciaio inox da chiudere con una pinza per fissare sul moschettone fettucce già cucite.

*Open rope fastener of stainless steel to be closed with pliers for fixing to the carabiner sawn/sticked slings.*

Stoppeur de corde ouvert en acier inox, à fermer avec une pince pour fixer les sangles déjà cousues, sur le mousqueton.

*Offene Seilbefestigung aus Edelstahl, wird mit einer Zange auf dem Karabiner geklemmt. Schlingen schon genäht.*



### FAST-NYLON

Fermacorda in nylon con chiusura a scatto. Una volta chiuso non può essere riaperto.

*Rope fastener of nylon with clip closure. It cannot be opened after closing.*

Stoppeur de corde en nylon avec fermeture à clipper. Une fois fermé il ne peut plus être rouvert.

*Seilbefestigung aus Nylon mit Schnappverschluss. Kann nach dem Schließen nicht wieder geöffnet werden.*



### FAST-RUBBER

Fermacorda mobile in gomma da infilare sul corpo del moschettone. Può essere sfilato e riutilizzato.

*Movable rope fastener of rubber to be inserted on carabiner body. It can be slipped out and re-used.*

Stoppeur de corde mobile en caoutchouc à enfiler sur le corps du mousqueton. Il est possible de l'extraire et de le réutiliser.

*Bewegliche Seilbefestigung aus Gummi, wird auf den Karabinerkörper aufgezogen. Lässt sich abziehen und kann wieder benutzt werden.*

#	DØ
	mm
810.08	8,0
810.10	10,0
810.12	12,0



#	DØ
	mm
809.08	8,0
809.10	10,0
809.12	12,0



#	DØ
	mm
813	8,0÷11



#	DØ
	mm
810.1	8,0÷11



CROSS-BAR

### CROSS-BAR

Alcuni moschettoni possono essere forniti con la barretta fermacorda CROSS-BAR già inserita oppure smontata da fissarsi da parte del cliente.

*Most carabiners can be supplied with CROSS-BAR rope fastener already inserted into the carabiner or disassembled, to be fixed by the customer.*

Quelques mousquetons peuvent être fournis avec la barrette du stoppeur de corde CROSS-BAR déjà introduite, ou démontée, pour que le client la fixe lui-même.

*Einige Karabiner können mit den Seilbefestigungsstäben CROSS-BAR geliefert werden, die bereits eingesetzt oder lose sind, um dann vom Kunden befestigt zu werden.*

ON REQUEST



# SLINGS



G. Rossetti after 30m fall (A4) - Solano de las Golondrinas - Aquismón (SLP - Mexico) - ph: archive Odisseo Naturaventura

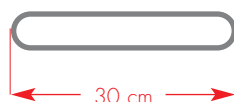


# 271V.030

## ARO SLING

 **CE** EN 566

◀▶ 25 kN

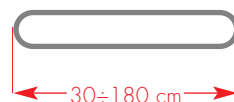


- # 271T.030 (30 cm) red
- # 271T.060 (60 cm) yellow
- # 271T.080 (80 cm) blue
- # 271T.120 (120 cm) red
- # 271T.150 (150 cm) yellow
- # 271T.180 (180 cm) blue

## ARO SLING TUBULAR

 **CE** EN 566

◀▶ 23 kN

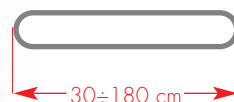


- # 271D.030 (30 cm) red
- # 271D.060 (60 cm) grey
- # 271D.080 (80 cm) blue
- # 271D.120 (120 cm) red
- # 271D.150 (150 cm) grey
- # 271D.180 (180 cm) blue

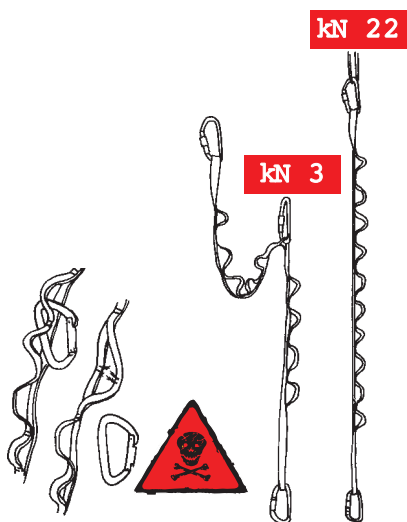
## ARO SLING DYNEEMA®

 **CE** EN 566

◀▶ 22 kN

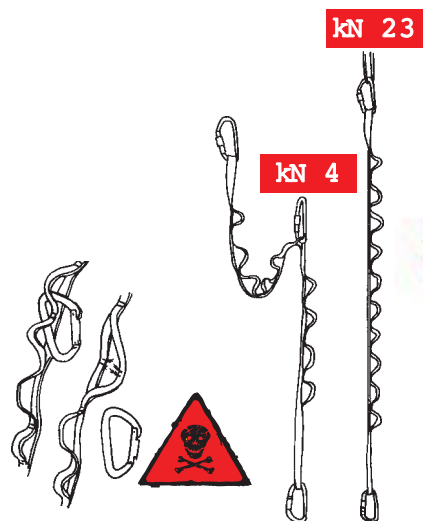
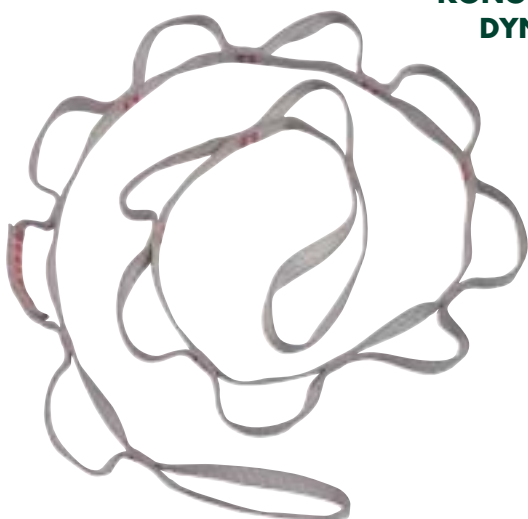






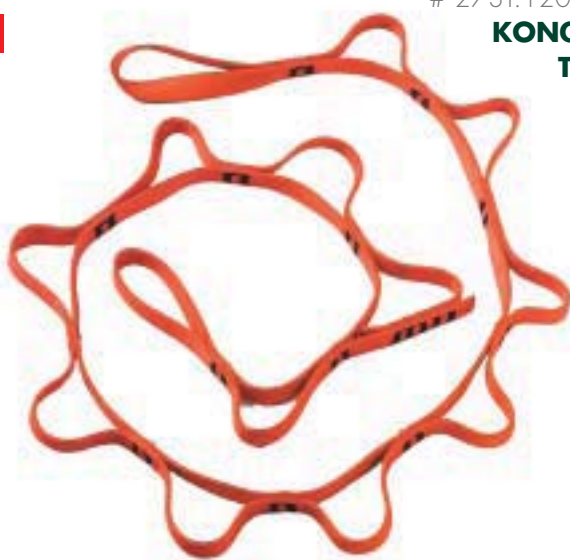
# 273D.120 (120 cm)

**KONG CHAIN  
DYNEEMA®**



# 273T.120 (120 cm)

**KONG CHAIN  
TUBULAR**

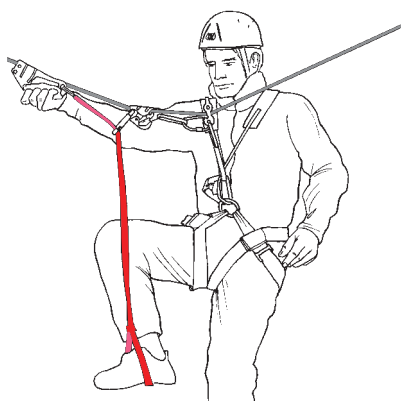


POLYAMMIDE

94 g

# 834.12.03 (90÷120 cm)

**SLING ASCENDER**







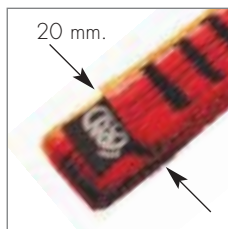
- # 270V.012 (12 cm)
- # 270V.016 (16 cm)
- # 270V.021 (21 cm)
- # 270V.026 (26 cm)

**EXPRESS**



 **CE** EN 566

◀▶ 25 kN



- # 270D.012 (12 cm)
- # 270D.016 (16 cm)
- # 270D.021 (21 cm)
- # 270D.026 (26 cm)

**EXPRESS DYNEEMA®**



 **CE** EN 566

◀▶ 22 kN

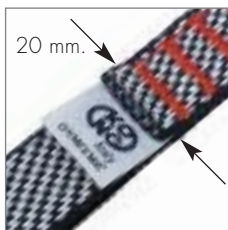


- # 270S.016 (16 cm)
- EXPRESS STRONG  
DYNEEMA®**



 **CE** EN 566

◀▶ 32 kN



UAAA CE EN 566

45÷53 g

TESTED

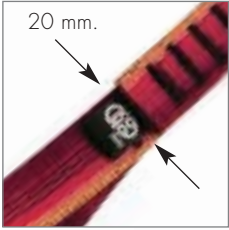
25 kN

NEW

# 275V.050 (50 cm)

# 275V.060 (60 cm)

**ARO ADVENTURE**



UAAA CE EN 566

130÷4150 g

TESTED

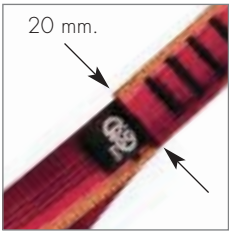
25 kN

NEW

# 276V.085 (85 cm)

# 276V.100 (100 cm)

**"Y" ARO ADVENTURE**



UAAA CE EN 358  
EN 566

110 g

TESTED

25 kN

NEW

# 283E.070

**"Y" ELASTIC LANYARD**






# 276D.040.X1(33/20 cm)  
# 276D.055.X1(46/20 cm)

**"Y" ARO SPELEO**

**NEW**

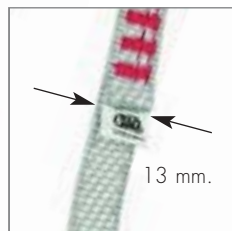
 **CE** EN 566

 41÷48 g

TESTED

 22 kN

DYNEEMA



# 276D.040.X0  
**"Y" ARO CANYON**

**NEW**

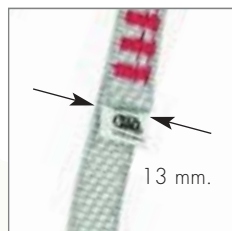
 **CE** EN 566

 55 g

TESTED

 22 kN

DYNEEMA



# ASCENDERS DESCENDERS



A. Casati climbs new route on Punta Giradilli - Sardinia (Nuoro - Italy) - ph: M. Oviglio





# 896 D1 (right)

# 896 S1 (left)

# 896 C1 (pair)

**PROCAVE**



EN 567



Ø 8÷13

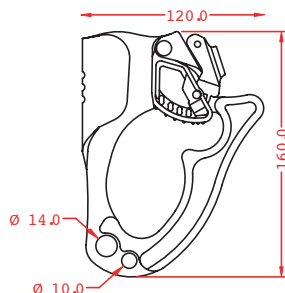
TESTED



220 g

ALU

ALLOY



versione per mancini

left handed version

modèle pour gaucher

Ausführung für Linkshänder

**NEW**

COMING SOON

Maniglia speleo di nuova concezione, la prima ed unica al mondo concepita espressamente per il raddoppio delle mani imposto dalla tecnica speleologica classica.

Utilizza tutta la componentistica di ultima generazione dei bloccanti Kong con la novità di un design davvero ergonomico e dimensioni assai ridotte. Ottima la capacità di bloccare su corde particolarmente infangate grazie alle asole di svuotamento presenti non solo sulla camma ma anche sulla guancia.

*New speleo ascender, the one and only specifically designed for two hands use.*

*It has the same properties of the latest Kong belay devices with an ergonomic shape and very small dimensions.*

*High performances on muddy ropes due to the holes both in the cam and in the body.*





Nouvelle poignée spéléo, la première au monde conçue spécialement pour l'emploi à deux mains.

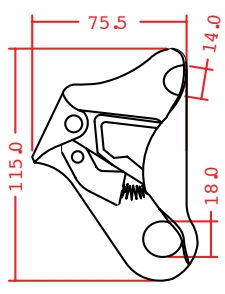
Elle a les mêmes propriétés que les autres bloquants Kong mais avec un design très ergonomique et des dimensions plus réduites.





La Procave est parfait pour le blocage même sur cordes très sales grâce aux picots de la camme et de la joue.

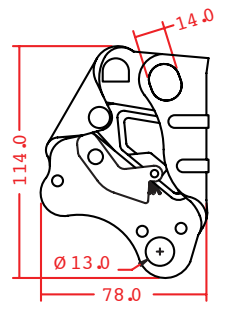
Neue Steigklemme, welche als erste und einzige mit beiden Händen verwendet werden kann, wie in der klassischen Anwendung der Speleologie.





Hergestellt mit den neuesten Blockiervorrichtungen, bietet sie ein ergonomischen Design mit stark reduzierter Größe. Dank der neuen Schmutzaustrittöffnungen, die sich nicht nur auf dem Klemnteil sondern auch auf der Aussenseite befinden, bietet sie eine höhere Leistung, auch wenn das Seil stark verschmutzt ist.

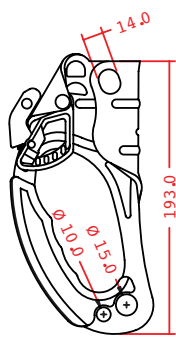
  EN 567	 $\varnothing 8\div 12$
TESTED	 160 g
ALU ALLOY	







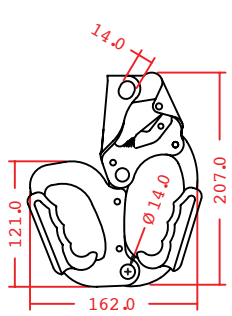
  EN 567	 $\varnothing 8\div 12$
TESTED	 170 g
ALU ALLOY	



  EN 567	 $\varnothing 8\div 13$
TESTED	 225 g
ALU ALLOY	




  EN 567	 $\varnothing 8\div 12$
TESTED	 490 g
ALU ALLOY	Special for Tree Climbing




  
# 824  
**CAM-CLEAN**




  
# 875 D (right)  
# 875 S (left)  
# 875 C (pair)  
**MODULAR**




  
# 896 D (right)  
# 896 S (left)  
# 896 C (pair)  
**LIFT**




  
# 874.01  
**TWIN  
ASCENDER**





# 800.1  
**HYDROBOT**  
canyoning  
descender

**NEW**



Ø 5÷12  
double ropes

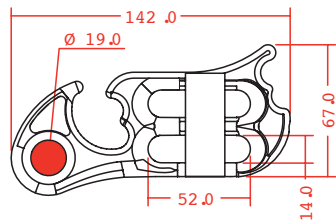
TESTED

22 kN

ALU  
ALLOY



150 g



# 800  
**ROBOT**

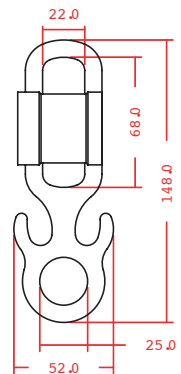


Ø 8÷12

TESTED

160 g

ALU  
ALLOY



# 804  
**DE JUMP**



NIT 271-1  
NIT 271-2

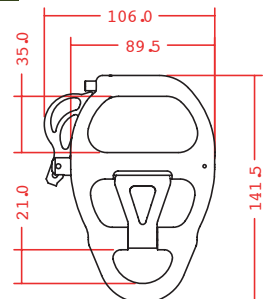


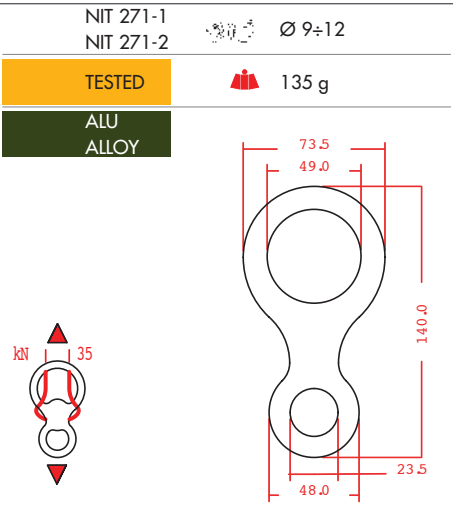
Ø 9÷12

TESTED

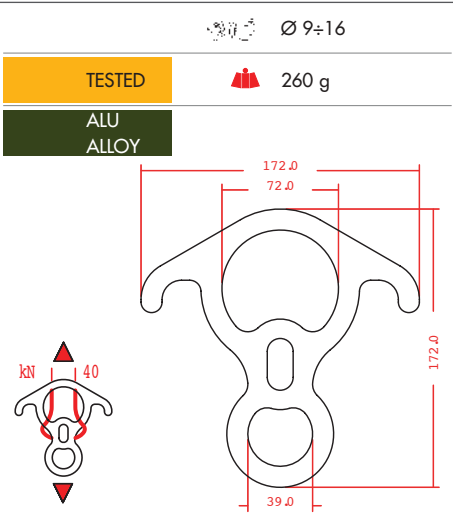
280 g

ALU  
ALLOY

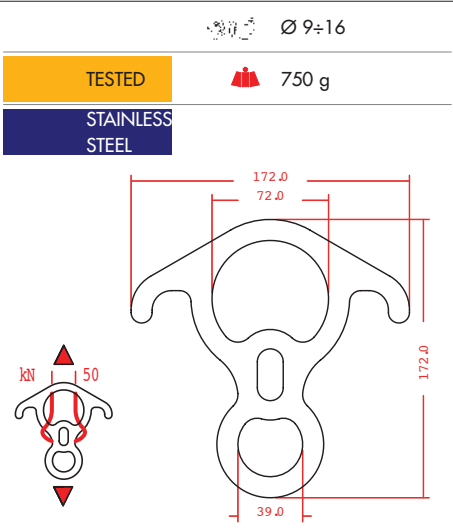




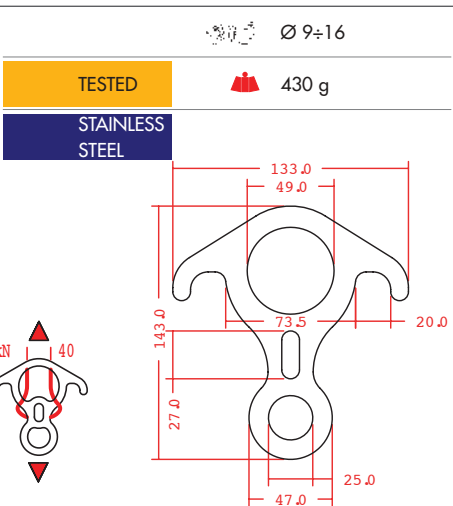

  
 # 805.03
   
**"8" CLASSIC**




  
 # 805.06
   
**BIG "8"**
  
**ALU**




  
 # 805.05
   
**BIG "8"**
  
**S. STEEL**






  
 # 805.07
   
**MINI "8"**
  
**S.STEEL**

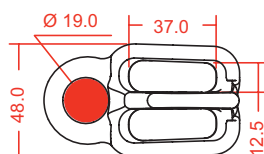
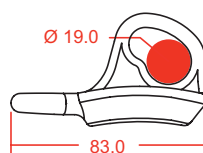


::  
 # 943  
**GHOST**  
 multiuse  
 descender

**NEW**





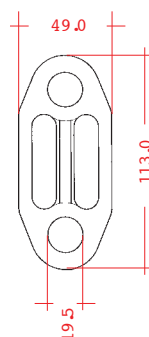
 Ø 7,5÷10,5	
TESTED	 65 g
ALU ALLOY	



::  
 # 859  
**GI-GI**





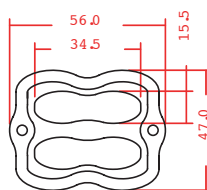
 Ø 8÷12	
TESTED	 68 g
ALU ALLOY	



::  
 # 940  
**CHUY**






 Ø 8÷12	
TESTED	 55 g
ALU ALLOY	



::  
 # 941  
**TRE**



 Ø 9÷11 single ropes	 Ø 7,5÷11 double ropes
TESTED	 150 g
ALU ALLOY	

Manufactured by TRE - Germany

Eccezionale per assicurare con una o due corde sottili

*Exceptional in belaying with one or two thin ropes*

Exceptionnel pour l'assurance avec corde simple ou double

*Bestens geeignet, um mit einem oder zwei dünnen Seilen zu sichern*

EN 341/A  
prEN 12841 Type ©



Ø 10,5±11 (EN 341)  
Ø 10±13 (prEN 12841)

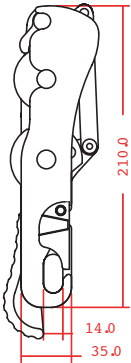
TESTED



385 g

ALU  
ALLOY

Antipanic!



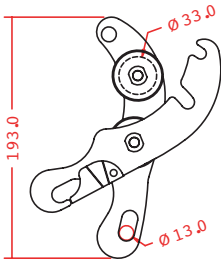
Ø 9÷12

TESTED



230 g

ALU  
ALLOY



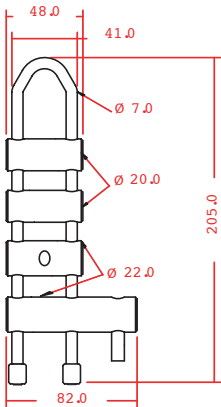
Ø 9÷13

TESTED



280 g

ALU  
ALLOY



# 801  
**INDY**

# 812.01  
**BANANA**  
speleo  
descender

# 808  
**RACKONG**



# PULLEYS

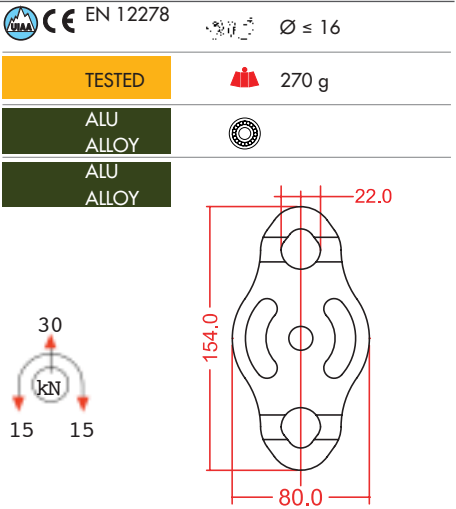




# 829

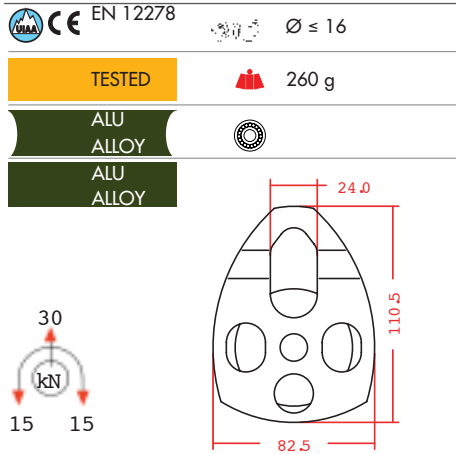
REFLEX

NEW



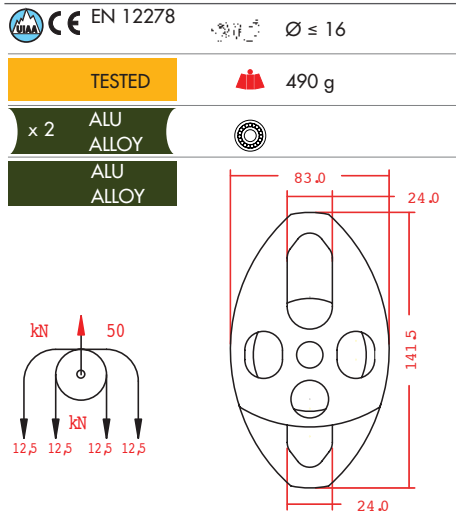
# 820

EXTRA ROLL



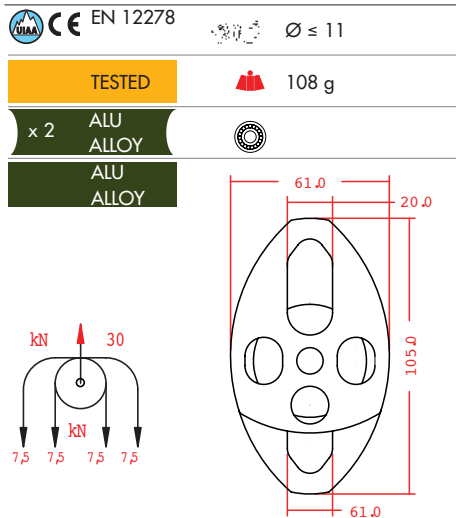
# 827

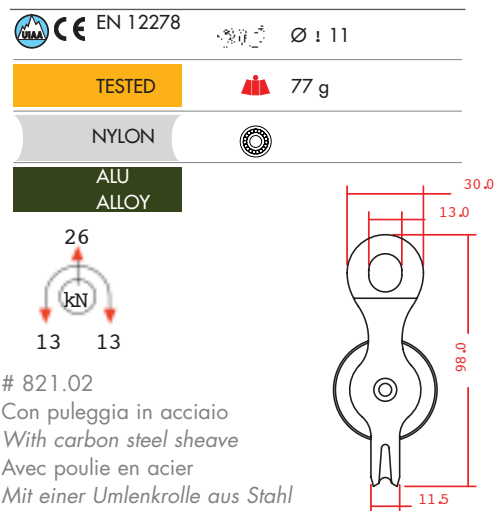
TWIN



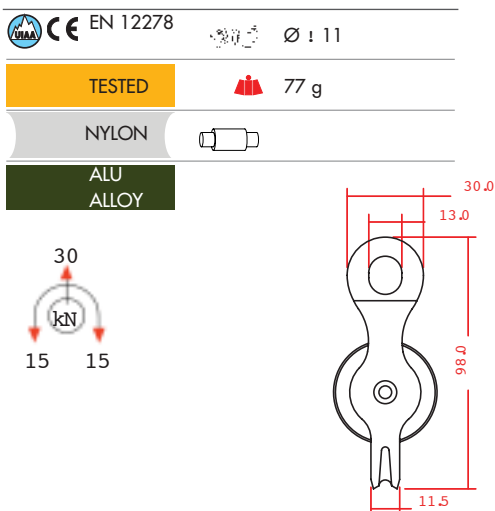
# 827.01

MINI TWIN

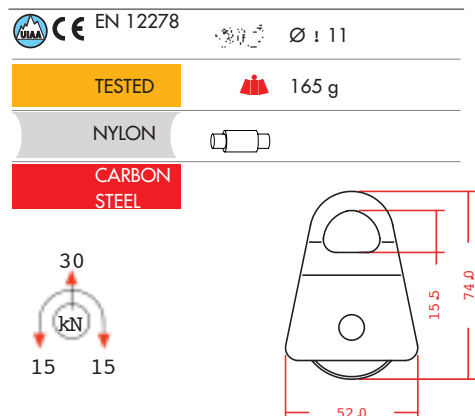




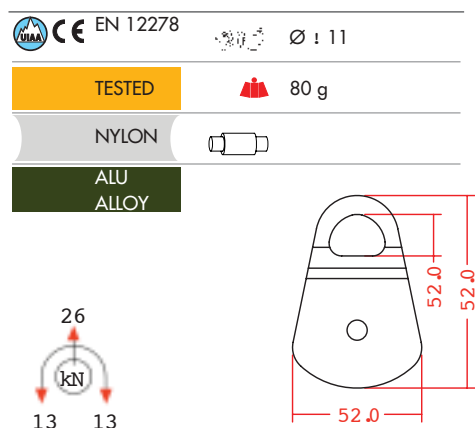
⌘  
 # 821  
**TURBO  
 ROLL**



⌘  
 # 821.01  
**ROLL**



⌘  
 # 992  
**SWING  
 C. STEEL**



⌘  
 # 993  
**SWING  
 ALU**

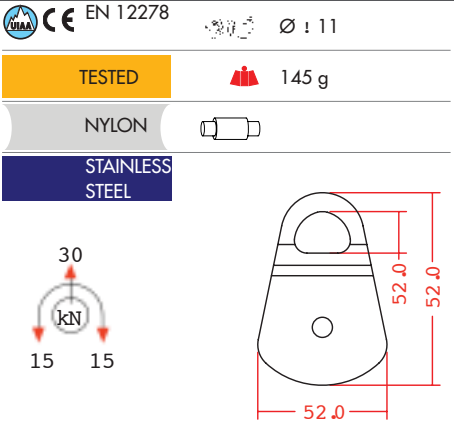
**NEW**



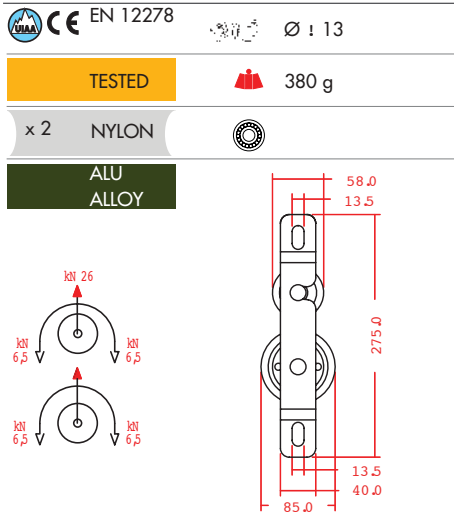
# 994  
**SWING  
INOX**



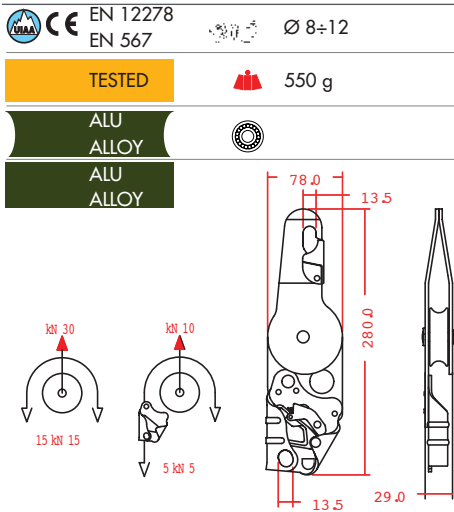
**NEW**



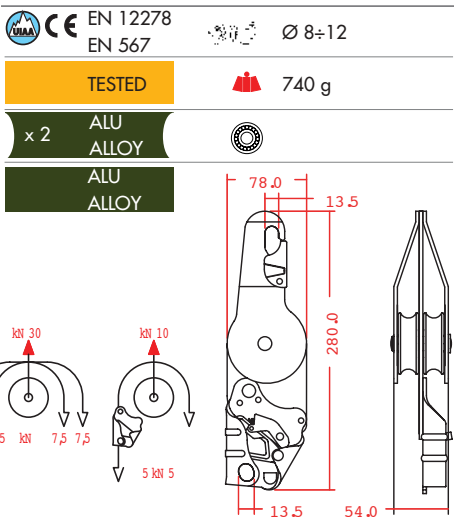
# 847  
**CANYON**



# 818  
**BLOCK  
ROLL**



# 818.01  
**TWIN  
BLOCK  
ROLL**



EN 12278

Ø : 20

TESTED	270 g
NYLON	
ALU ALLOY	

# 819  
**HEAVY DUTY**



EN 795/B  
EN 12278

Ø : 26

TESTED	1150 g
ALU ALLOY	
ALU ALLOY	

# 839  
**ALBY**



EN 12278

Ø : 13

TESTED	330 g
x 2 CARBON STEEL	x 2
ALU ALLOY	

# 826.00  
**PAMIR FAST**



EN 12278

Ø : 13

TESTED	320 g
x 2 CARBON STEEL	x 2
ALU ALLOY	

# 826.01  
**PAMIR**

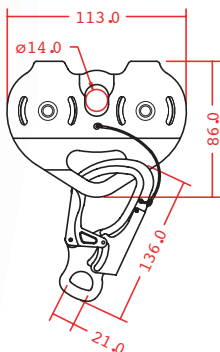






# 826.SET.01

## PAMIR X-ADVENTURE



EN 12275  
EN 12278



Ø ! 13

TESTED



455 g

x 2

CARBON  
STEEL



x 2

ALU  
ALLOY

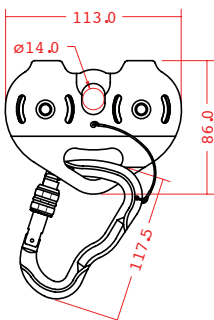
Speciale per parchi avventura: connettore e puleggia colaluti con cavo metallico per evitare perdite accidentali

*Specially conceived for rope courses: connector and pulley connected by a wire cable to avoid accidental losses*



# 826.SET.02

## PAMIR ADVENTURE



EN 12275  
EN 12278



Ø ! 13

TESTED



430 g

x 2

CARBON  
STEEL



x 2

ALU  
ALLOY

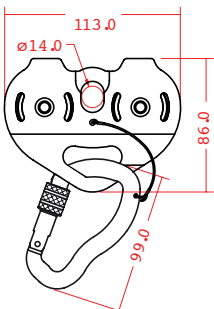
Spécial pour les parcs d'aventure: mousquetons et poulie jointés avec un petit câble pour éviter des pertes accidentelles

*Spezial fuer hochseilgärten: der Karabiner und die Scheibe sind mit einem Drahtseil verbindet, um Verlusten zu vermeiden*



# 826.SET.03

## PAMIR JUNIOR



EN 12275  
EN 12278



Ø ! 13

TESTED



400 g

x 2

CARBON  
STEEL



x 2

ALU  
ALLOY

Con connettore ERGO, per donne e bambini

*With connector ERGO, for smaller hands*

Avec connecteur Ergo, pour femmes et enfants.

*Mit einem ERGO-Karabiner ausgestattet, sehr gut für Damen und Kinder geeignet*



# ACCESSORY TOOLS








# 803  
**RESTING  
FIFI**

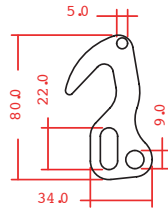


 Ø 7

 15 g

ALU  
ALLOY

Autolocking

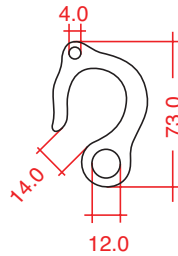


# 803.01  
**FIFI**

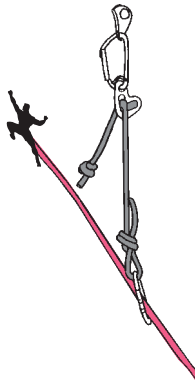


 38 g

CARBON  
STEEL



# 856  
**SLYDE**

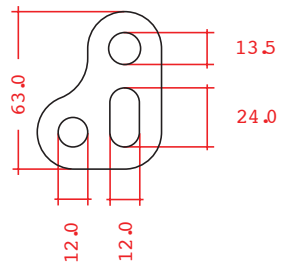


 Ø 9

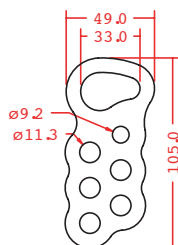
 44 g

ALU  
ALLOY

Autolocking



# 806  
**KISA**  
Kong  
Impact  
Shock  
Absorber



 Ø 9÷11

 62 g

ALU  
ALLOY

	mm	IMPACT FORCE Kg	SLIDING cm
	Ø 11 ① UIAA	400÷500	100÷150
	Ø 11 ① UIAA	150÷300	" 200
	Ø 9 ② UIAA	300÷400	150÷200
	Ø 9 ② UIAA	150÷300	" 300

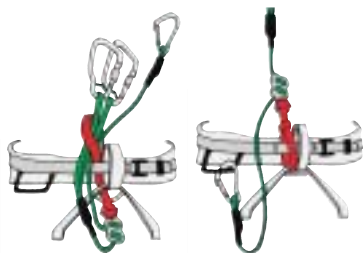
See instruction guide page 56

CE EN 958

TESTED

550 g

KLETTERSTEIG



# 811.SET.07

**K.K.S.**

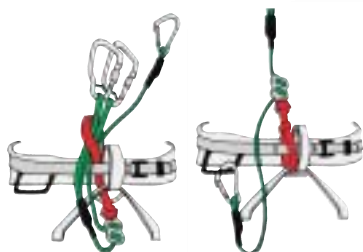
Kong  
Klettersteig  
Sling

CE EN 958

TESTED

530 g

KLETTERSTEIG



# 811.SET.05

**K.K.R.**

Kong  
Klettersteig  
Rope





# 982.501  
# 982.502

**ROPE  
BAG**



600 g

22 l



680 g

44 l



# 982.503  
**PERSONAL  
BAG**



300 g

4 l



# 981.01  
**BEAUTY  
FALESIA**



700 g



60 m (27 l)



# 981.05  
**FREE ROPE BAG**



590 g



70 m (35 l)



1280 g



60 m (27 l)

# 982.508

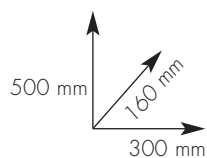
## CANYON BAG

Con rete di drenaggio

*Fitted with draining net*

Avec systeme evacuation d'eau

*Mit Drainagenetz ausgestattet*



2300 g

45 l

# 982.513

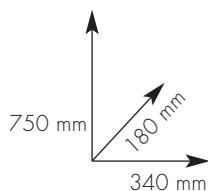
## CARGO CANYON

Con rete di drenaggio

*Fitted with draining net*

Avec systeme evacuation d'eau

*mit Drainagenetz ausgestattet*



**NEW**



1100 g

35 l

# 982.512

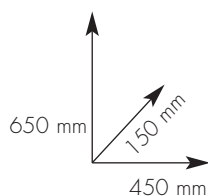
## ROPE BAG CANYON

Con rete di drenaggio

*Fitted with draining net*

Avec systeme evacuation d'eau

*Mit Drainagenetz ausgestattet*



**NEW**





# 954.01  
**KONDOR**



STAINLESS  
STEEL

ALU  
ALLOY

 120 g



# 951.007  
**MANTHA**



 45 g

5 led plus FLASH mode

Up to 100 hrs of light



1 LED



3 LED



BULB



# 951.008  
**MEDUSA**



 90 g

3 led plus KRIPTON bulb

Up to 80 hrs of light

4 mode operations:



1 LED



3 LED



5 LED



3 LED  
flash



# 848  
**CHALK BAG**



# 953  
**KONG  
CLEANER &  
PROTECTIVE OIL**  
(50 ml)





4700 g

Utilizzabile come zaino. Con velcro di fissaggio

*It can be used as a bag. With fixing velcro strips*

Utilisable comme un sac. Avec velcro de fixation

*Kann als Rucksack verwendet werden und hat Velcro - Befestigungsbänder.*



# 981.08

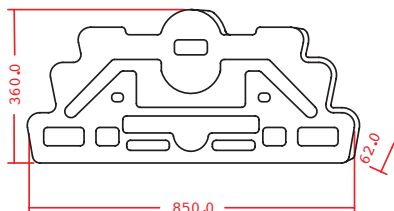
**BOULDER  
MATTRESS**



13000 g

Forma ergonomica per allenamento di mani e dita

*Ergonomic shape for hands and finger training*



# 825.06

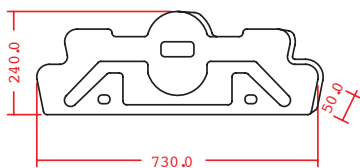
**TRAVO**



9000 g

Forme ergonomique pour l'entraînement des mains et doigts

*Ergonomische Form zum trainieren von Händen und Fingern*



# 825.07

**MINI TRAVO**



# 950

**MAGNESIA**



# 950.07  
1,2 l  
200 g  
powder



# 950.09  
70 g - n° 2x35  
chalk balls



# 950.06  
0,5 l - 75 g  
powder



# 950.05  
120 g - n° 12x10  
cubes



# 950.10  
760 g - 5 l  
powder





# ANCHORING TOOLS



M. Rivadossi climbs "M come Mostro" (M13) - Moddalena (Brescia - Italy) - ph: A. Damiani



# 998.01

## HAMMER EAGLE



850 g



# 998.02

## HAMMER EAGLE LIGHT



650 g

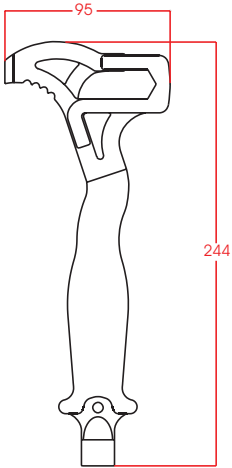


STAINLESS  
STEEL



571 g

RUBBER



**NEW**

COMING  
NEXT SEASON

# 998.10  
**SPELEAGLE**



# 828.08  
(for industry)  
**ANCHOR  
FIX**



Ø 8x23 mm



18 g



# 828.10  
(for industry)  
**ANCHOR  
FIX**



Ø 10x24 mm



32 g



# 830  
**PIANTA SPIT**



FOR Ø 8 and 10 mm



240 g





# 897  
**WIDE  
EYE**



# 814  
**FIX**



# 836 (897+814)  
**ANCHOR KIT**



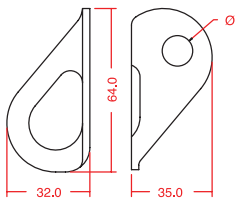
# 898.140  
**CONDOR**



CE EN 795B

TESTED

STAINLESS  
STEEL



#	Ø	
	mm	g.
897.08	8	58
897.10	10	55
897.12	12	52

#	Ø	L	
	mm	mm	g.
814.10.60	10	60	15
814.10.90	10	90	40
814.12.100	12	100	68



CE EN 959

TESTED

STAINLESS  
STEEL

#	Ø	L	
	mm	mm	g.
836.01 KIT	10	60	80
836.02 KIT	10	90	95
836.03 KIT	12	100	120

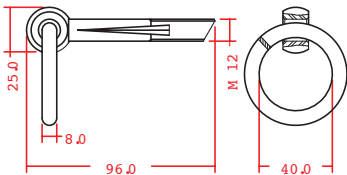


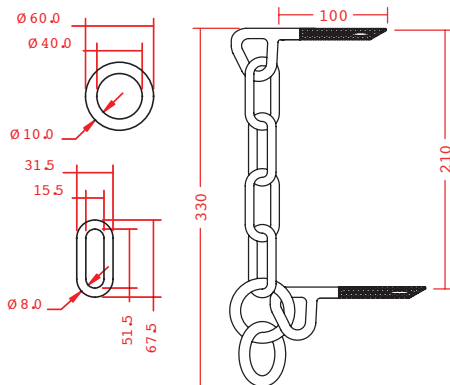
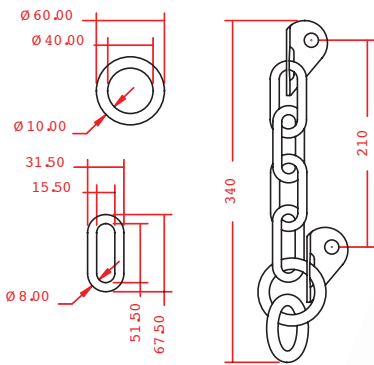
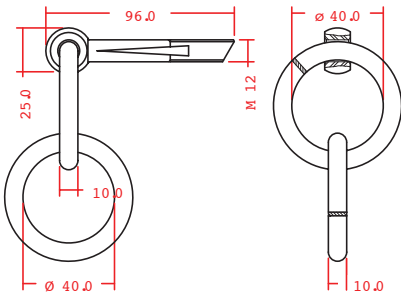
CE EN 959

TESTED

STAINLESS  
STEEL

152 g

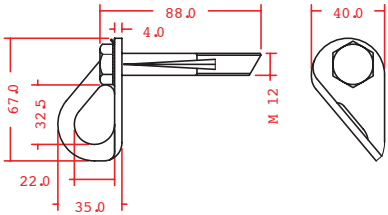




::  
 # 898.600  
**PIT**



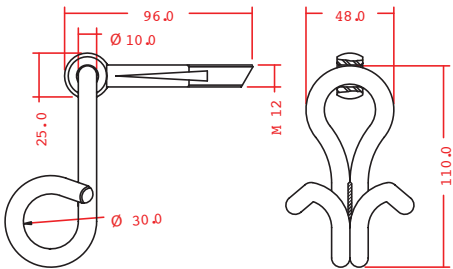
EN 959	TESTED
	STAINLESS STEEL          145 g



::  
 # 898.500  
**BULL**



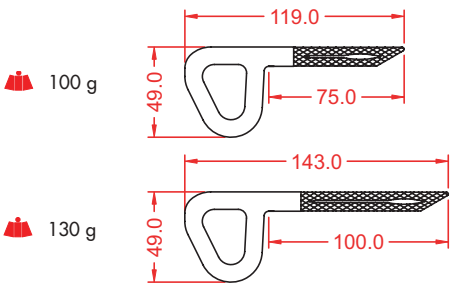
	TESTED
STAINLESS STEEL          350 g	



::  
 # 898.075  
 # 898.100  
**INFIX**



EN 959 EN 795A	TESTED
STAINLESS STEEL	



::  
 # 898  
**BICOMPONENT EPOXY RESINES**



Ø 12 mm          19 g
10 glass tubes

CARBON  
STEEL



#	A	B	
	mm	mm	g.
998.1.055N	55	6	85
998.1.065N	65	6	115
998.1.080N	80	8	119
998.1.090N	90	8	141



# 998.1.N

**ATHOS HARD**

Ni-Cr



CARBON  
STEEL



#	A	B	
	mm	mm	g.
998.1.055Z	55	6	84
998.1.065Z	65	6	98
998.1.080Z	80	8	109
998.1.090Z	90	8	135



# 998.1.Z

**ATHOS SOFT**

C40



CARBON  
STEEL



#	A	B	
	mm	mm	g.
998.2.075N	75	7	87
998.2.095N	95	9	110



# 998.2.N

**PORTOS HARD**

Ni-Cr



CARBON  
STEEL



#	A	B	
	mm	mm	g.
998.2.075Z	75	7	80
998.2.095Z	95	9	105



# 998.2.Z

**PORTOS SOFT**

C40



CARBON  
STEEL



#	A	B	
	mm	mm	g.
998.3.065N	65	14	55
998.3.075N	75	17	70
998.3.100N	100	18	90



# 998.3.N

**ARAMIS**

Ni-Cr







# 838  
**SLIT-FIT**  
(10 pieces)

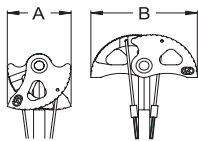


EN 12276

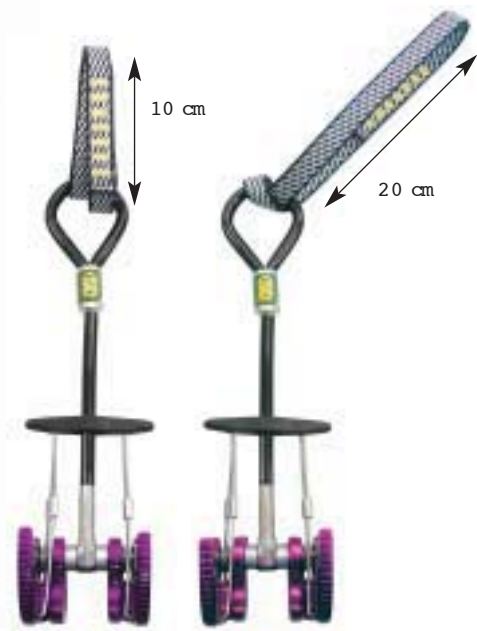
TESTED

ALU  
ALLOY

### FRICTIONAL ANCHOR



SIZE	DIMENSION		kN		COLOUR
	A	B			
00	10	17	7	61	PINK
0	13	19	10	66	CYAN
0.5	15	23	12	72	BRONZE
1	19	29	12	83	GREEN
1.5	21	35	12	88	GOLD
2	26	44	15	105	ORANGE
2.5	30	54	15	114	SILVER
3	39	66	15	135	RED
3.5	49	82	15	168	BLUE
4	57	100	15	214	VIOLET



# 838.SET.0 (10 pcs) 00 - 0 - 0,5 - 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4  
# 838.SET.2 ( 7 pcs) 0,5 - 1 - 1,5 - 2 - 2,5 - 3 - 3,5  
# 838.SET.3 ( 6 pcs) 1 - 1,5 - 2 - 2,5 - 3 - 3,5



# 948  
**DANCER**



EN 354

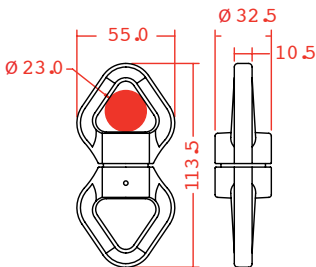


160 g

ALU  
ALLOY



42 kN





EN 12270

TESTED

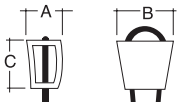
ALU  
ALLOY



# 835

SET CHOCKS

(11 pieces)



#	SIZE	A	B	C				
		mm	mm	mm	kN	kN	g.	
835.01	1	4	10	10	2	3	6	PINK
835.02	2	5	11	11	3	3	6,5	CYAN
835.03	3	6	12	12	5	8	15	BRONZE
835.04	4	8	14	13	8	9	17	GREEN
835.05	5	9	15	14	11	11	33	GOLD
835.06	6	11	17	16	11	12	35	ORANGE
835.07	7	13	20	19	12	12	37	GREY
835.08	8	16	22	21	12	12	39	RED
835.09	9	19	27	27	16	16	50	BLUE
835.10	10	22	31	32	16	16	57	VIOLET
835.11	11	25	35	36	15	16	70	GOLD

ALU  
ALLOY

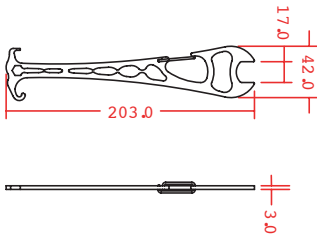


22 g



# 921

TRIK



ALU  
ALLOY



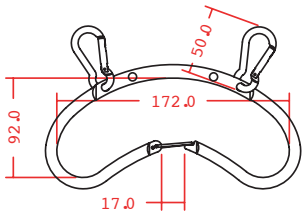
68 g



# 920.SET

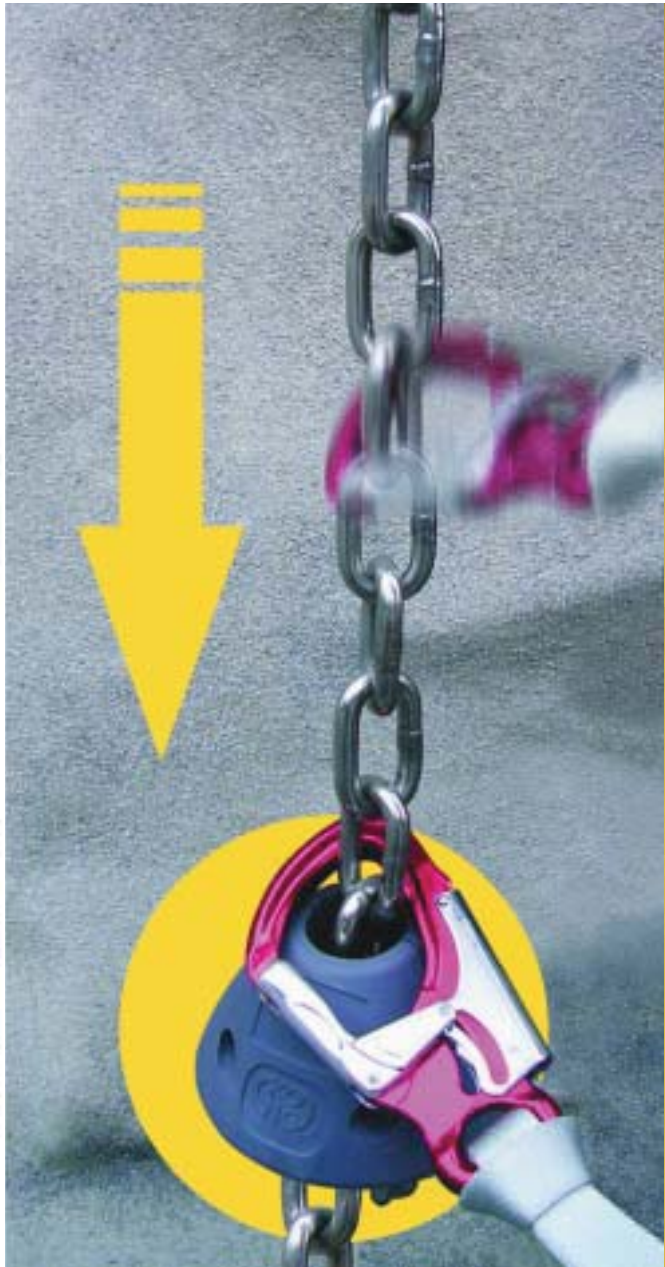
OWL

Dubini design



**KASC**

klettersteig anti shock cone



**IT** KASC è un kit concepito per aumentare la sicurezza delle "vie ferrate". E' realizzato in gomma termoplastica in grado di resistere a temperature estreme (-40° + 90°). In caso di caduta, KASC attutisce l'impatto del connettore sul supporto fisso, aiutandolo a posizionarsi secondo la migliore linea di carico e riducendo quindi le tensioni laterali/torsionali. Si installa semplicemente avvitando le due viti in dotazione (attenzione: non stringere troppo!). Le quattro alette flessibili interne permettono di mantenere KASC in posizione su cavi e catene fino a 30 mm di diametro. Può essere incollato con una goccia di colla. E' predisposto inoltre uno spazio personalizzabile (35 x 25 mm) per inserire una eventuale pubblicità o sponsorizzazione.

**EN** KASC is a kit conceived to improve safety on "Via Ferrata". It is made of thermoplastic rubber and withstanding extreme temperatures (-40° + 90°). In case of fall KASC make "soft" the impact on fix bolt and helps the connector to position itself along the right load bearing line, reducing lateral/torsional forces. Easy to install by screwing the two bolts-nuts supplied (warning: don't tie too much!). The four flexible inner fins keep KASC in position on cables/chains up to 30 mm Ø. It can be glued. On request there is room (35 x 25 mm) for an advertising or a sponsorship.

**FR** KASC est un kit conçu pour augmenter la sécurité des «Via Ferrata». Il est fabriqué à partir d'un caoutchouc thermoplastique résistant à des températures extrêmes (-40° +90°). En cas de chute KASC réduit considérablement le choc du connecteur sur les points d'ancrages fixes et permet à ce dernier de se positionner dans la meilleure ligne de charge, réduisant ainsi les tensions latérales et de torsion. Son installation est très simple à l'aide des deux vis fournies (attention, ne pas serrer trop fort !). Vous pouvez le coller avec quelques gouttes de colle. Les quatre ailettes intérieures maintiennent KASC en position sur les câbles/chaînes d'un diamètre de 30mm maximum. Il est prévu un emplacement personnalisable (35x25 mm) pour une éventuelle insertion publicitaire ou de sponsoring.

**DE** Eine Ausrüstung, die ausgedacht worden ist, um die Sicherheit der "Via Ferrata" zu erhöhen. Kask ist aus Thermokunststoffes Gummi gemacht, das sowohl hohen als auch niedrigen Temperaturen verträgt (-40°+90°). In dem Zufall eines Falls vermeidet Kask, daß der Karabiner gegen den festen Halter des Kabels oder der Kette stößt und zwingt den Karabiner an der besten Lastlinie entlang, sich zu positionieren. Sie können Kask einfach einrichten, wenn Sie die zwei vorgesehenen Schrauben verschrauben (Achtung, schrauben Sie nicht zu fest!). Sie können es mit einigen Tropfen von Klebstoff kleben. Die zwei Rippen, die in dem inneren Teil stehen, helfen dem Kabel oder der Kette auf Kabel von maximum 30 mm Durchmesser, zentriert zu bleiben. Auf dem äußeren Teil des Kasks gibt es auch einen Raum (35x25mm) für eventuelle Öffentlichkeit oder Sponsoren.



# SNOW AND ICE



M. Riva - Climb "Fly in the Wind" (M1D+3) - Val di Lanzo (Bollate - Italy) - ph. E. Molinari









# 853.12A (Automatic)

COULOIR







  EN 893	 12 POINTS
TESTED	UNIVERSAL SIZE
CARBON STEEL	 880 g



# 853.12S (Semi automatic)

COULOIR







  EN 893	 12 POINTS
TESTED	UNIVERSAL SIZE
CARBON STEEL	 890 g



# 853.12C (Nylon binding)

COULOIR






  EN 893	 12 POINTS
TESTED	UNIVERSAL SIZE
CARBON STEEL	 830 g




# 853.12W (Cable binding)

COULOIR




  EN 893	 12 POINTS
TESTED	UNIVERSAL SIZE
CARBON STEEL	 720 g

 <b>CE</b> EN 893		 12 POINTS
TESTED		UNIVERSAL SIZE
ALU ALLOY		670 g





  
 # 854.12A (Automatic)
   
**GRAND COURSE**



 <b>CE</b> EN 893		 12 POINTS
TESTED		UNIVERSAL SIZE
ALU ALLOY		680 g



  
 # 854.12S (Semi automatic)
   
**GRAND COURSE**



 <b>CE</b> EN 893		 12 POINTS
TESTED		UNIVERSAL SIZE
ALU ALLOY		620 g


  
 # 854.12C (Nylon binding)
   
**GRAND COURSE**






 <b>CE</b> EN 893		 12 POINTS
TESTED		UNIVERSAL SIZE
ALU ALLOY		490 g


  
 # 854.12W (Cable binding)
   
**GRAND COURSE**






⚙️  
# 854.08  
**WALK**



 EN 893	 8 POINTS
TESTED	UNIVERSAL SIZE
ALU ALLOY	 500 g


⚙️  
# 854.08.W (Cable binding)  
**WALK**



 EN 893	 8 POINTS
TESTED	UNIVERSAL SIZE
ALU ALLOY	 500 g

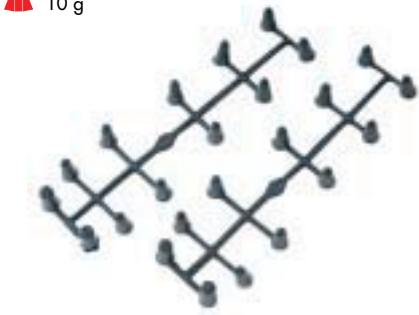
⚙️  
# 823.04  
**GRODEL**



	 4 POINTS
TESTED	UNIVERSAL SIZE
CARBON STEEL	 250 g

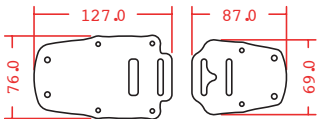
⚙️  
# 853.01  
**COPRIPUNTE**

 10 g



⚙️  
# 853.00  
**ANTIPOT**

 20 g



ALU

ALLOY

#	SIZE	h	
		cm	g.
866.50	50	50	360
866.55	55	55	380
866.60	60	60	400
866.65	65	65	420
866.70	70	70	440
866.75	75	75	460
866.80	80	80	480
866.85	85	85	500

CARBON

STEEL

#	SIZE	h	
		cm	g.
867.50	50	50	550
867.55	55	55	565
867.60	60	60	580
867.65	65	65	595
867.70	70	70	610
867.75	75	75	625
867.80	80	80	640
867.85	85	85	655

ALU

ALLOY

Ø 11 n. 7 / x 40 = 280 cm

265 g

ALU

ALLOY

Ø 10 n. 6 / x 50 = 300 cm

300 g



# 866

IPER

LIGHT



# 867

RAID



# 807.01

QUICK

FINDER



# 807


TECH

FINDER

❖❖  
# 816.03  
**TECNO N**

**NEW**




 980 g

NYLON	OPEN 98 cm FOLDED 50 cm
-------	-------------------------



❖❖  
# 816.02  
**DIGGER**



 800 g

ALU ALLOY	LENGHT 80 cm
--------------	--------------

❖❖  
# 816  
**SNOW KONG "NYLON"**

 300 g







Globetrotter bindings

# 995.500  
**GRIMPER SKI**



5 fori per il montaggio di ogni attacco da snow board  
5 holes to fit any snow board bindings  
5 trous pour le montage de toutes les fixations de snow board  
5 Löcher ermöglichen die Verwendung jeder herkömmlichen Snowboardbindung

# 995.350  
**SKI CRAMPONS**



# 995.300  
**SHAPED SKINS**



# 995.SET  
**GRIMPER SKI SET**

#		
995.500	GRIMPER SKI	3.500
995.300	SKINS	210
995.350	SKI CRAMPONS	290
995.700	SKI BAG	280
995 SET		4.280

# 995.700  
**SHOULDER SKI BAG**





# PROTECTIONS TO BE WORN



Canyoning in Val Borez (Como - Italy) - ph. M. Rhodassi





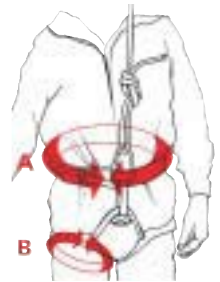
# 8C.101  
**SECUR  
EIGHT  
CHEST**



EN 12277 D



240 g



#	SIZE	A	B
		cm.	cm.
8C.101	UNIVERSAL	75-110	-



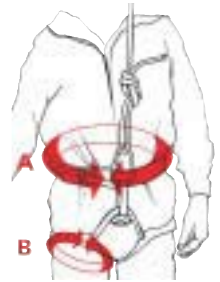
# 8C.066  
**INDIANA**



EN 12277 C



380 g



#	SIZE	A	B
		cm.	cm.
8C.066	UNIVERSAL	600-1200	420-660



# 8C.071  
**FERRATA  
FULL**

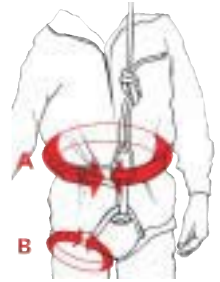


EN 12277



505 g

KLETTERSTEIG



#	SIZE	A	B
		cm	cm.
8C.071	UNIVERSAL	57-100	45-72



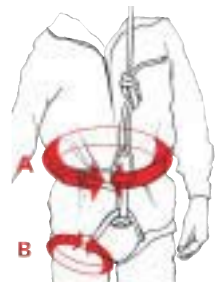
# 8C.072  
**TEX SIT**



EN 12277 C



275 g



#	SIZE	A	B
		cm	cm.
8C.072.1	XS	50-80	45
8C.072.2	S	60-90	50
8C.072.3	M	70-100	55
8C.072.4	L	80-110	60



# 997.007  
**SCARAB**



#.	SIZE	PERFIX®	CM	U.S.A.	INCH		COLOURS
997.007	UNIVERSAL	ADJUSTABLE SYSTEM	51-62	6-1/4 - 7-1/2	20-1/2 - 23-7/8	245	 

the lightest - in moulding system  
**THE ONLY TESTED FOR 4 SPORTS**

	106	 <b>CE</b> EN 12492	 <b>CE</b> EN 1078	 <b>CE</b> EN 1385	 <b>CE</b> EN 1384
		climbing	mountain bike	white water sports	equestrian

# 997.071  
**VISOR**





# 997.06.P

## HELMET SPIDER LUX



EN 12492

#	SIZE	cm	
997.06.P.OM	M	52-59	340
997.06.P.XL	XL	58-63	360

COLOURS



Con imbottitura aggiuntiva

*With internal extra padding*

*Avec doublure additionnelle*

*Mit zusätzlicher Polsterung*



Tutti i modelli Spider hanno fori presegnati per fissaggio cuffie e/o visiera

*All Spider models has pre-marked holes to fix headphones and/or visor*

*Tous les modèles Spider ont des trous marqués d'avance pour fixage des écouteurs et/ou visière*

*Alle Modelle haben vormarkierte Löcher um Kopfhörer und/oder ein Helmvisier befestigen zu können*



EN 12492

#	SIZE	cm	
997.06.A.OM	M	52-59	360
997.06.A.XL	XL	58-63	380

COLOURS  
"normal"



COLOURS  
"soft touch"



Disponibile nella nuova versione "soft touch" con finitura superficiale gommata opaca

*Available in the new "soft touch" version with rubber surface finishing*

*Disponible la nouvelle version "soft touch" avec finition superficielle gommée opaque*

*Jetzt in der neuen Ausführung "Soft Touch" (matt und gummiert) erhältlich*



Nuovo sistema di regolazione a rotella

*New adjustment system*

*Nouveau système de réglage avec molette*

*Neues Regulierungssystem*




# 997.06.A

## HELMET SPIDER CLIMBING



CE EN 397

#	SIZE	cm	
997.08.A.OM	M	52-59	360
997.08.A.XL	XL	58-63	380

COLOURS



Nuovo sistema di regolazione a rotella

*New adjustment system*

Nouveau système de réglage avec molette

*Neues Regulierungssystem*



**NEW**

CE EN 397

#	SIZE	cm	
997.09.A.OM	M	52-59	270
997.09.A.XL	XL	58-63	290

COLOURS



Isolamento elettrico 440 volt

*Electric insulation 440 volt*

Isolation électrique 440 volt

*Elektrische Isolierung 440 Volt*



Nuovo sistema di regolazione a rotella

*New adjustment system*

Nouveau système de réglage avec molette

*Neues Regulierungssystem*



**NEW**

# 997.08.A

**HELMET  
SPIDER WORK**

# 997.09.A

**HELMET SPIDER  
DIELETRICO**



# 997.001

## HELMET MAGIC CLIMBING



EN 12492

UNIVERSAL  
SIZE

ADJUSTABLE  
53÷61 cm



410 g

COLOURS



# 997.008

## HELMET MAGIC WORK



EN 397

UNIVERSAL  
SIZE

ADJUSTABLE  
53÷61 cm



410 g

COLOURS



# 997.004

## HELMET X LIFE 1/2



EN 1385



KAYAK

COLOURS



#	SIZE	
997.004.S	SMALL	360
997.004.M	MEDIUM	345
997.004.L	LARGE	330
997.004.XL	EXTRALARGE	325



# 997.005

## HELMET X LIFE 1



EN 1385



KAYAK

COLOURS



#	SIZE	
997.005.S	SMALL	385
997.005.M	MEDIUM	370
997.005.L	LARGE	355
997.005.XL	EXTRALARGE	350





Kevlar reinforced

::  
 # 952.01  
**ALEX  
 GLOVES**  
 S-M-L-XL-XXL



**NEW**

::  
 # 952.02  
**POP GLOVES**  
 XS-S-M-L-XL-XXL



Kevlar reinforced

**NEW**

::  
 # 952.03  
**FULL GLOVES**  
 S-M-L-XL-XXL



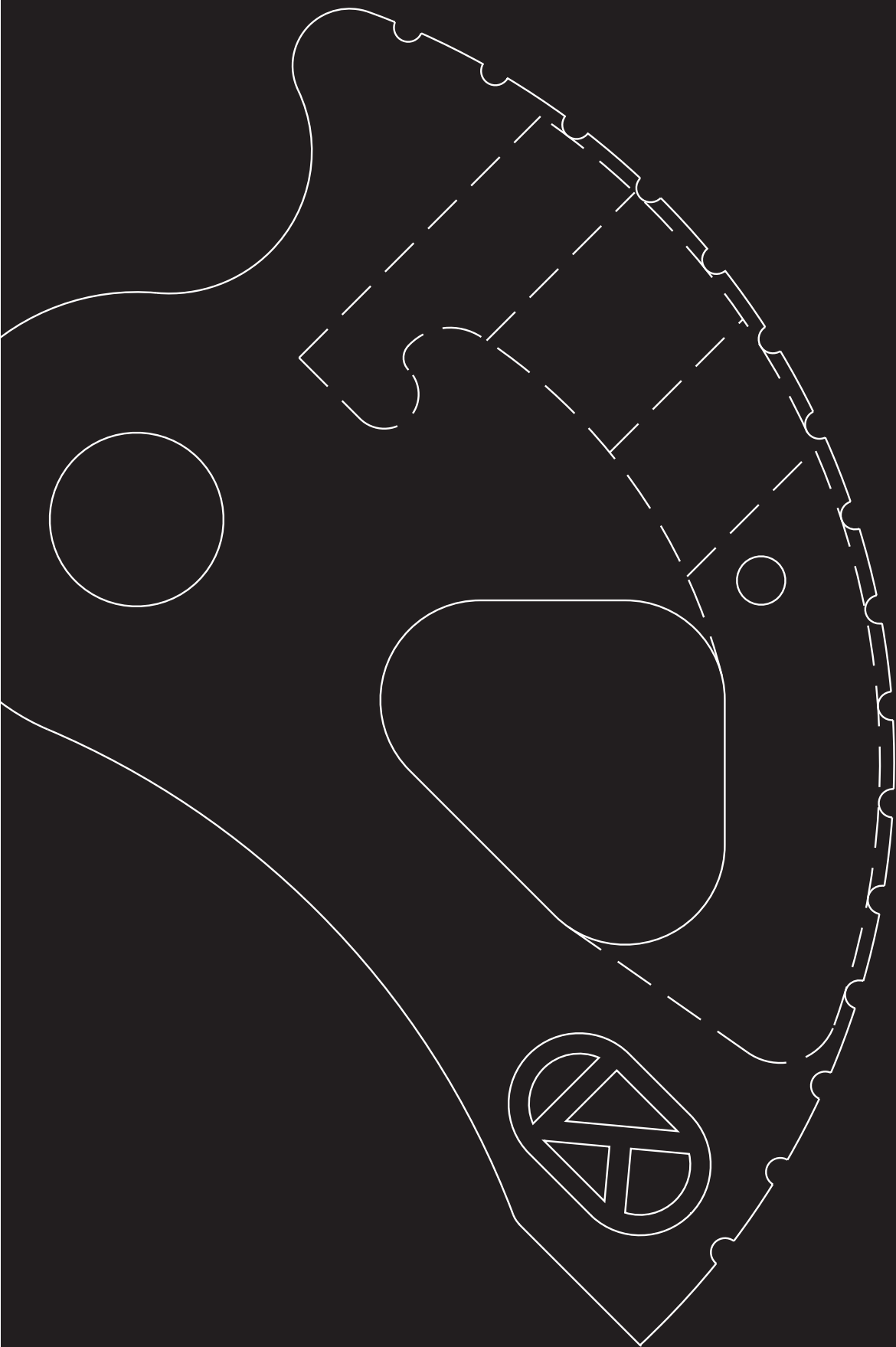
**NEW**

::  
 # 952.04  
**CANYON GLOVES**  
 S-M-L-XL-XXL





# GADGETS





# 849

### B-BAG

(30 x 17 cm)



# 346

### FERMACARTE

Bronze Polish  
(7 x 4,5 cm - 80 g)



# 849.01

### S-BAG VELCRO

(19 x 14 cm)



# 360.10

### BRONZE SNAP

10 mm EYE

Polish or Nickel  
(6,5 cm - 25 g)



# 9WU.8

### ONLY HOT

Body Warmer  
(12 hours of warm)



# 360.16

### BRONZE SNAP

16 mm EYE

Polish or Nickel  
(8 cm - 45 g)







# 345

**OTTINO**

Key Holder

Bronze Polish

(4 x 2 cm - 10 g)



# 835 KEY

**MINI-CHOCK**

Key Holder

(7,5 cm - 5 g)



# 705 KEY

**NYLON "H"**

Key Holder

(6,5 x 4 cm - 6 g)



# 900 KEY

**NYLON "D"**

Key Holder

(6 x 3,5 cm - 5 g)



# 838 KEY

**CAMME**

Key Holder

(3 x 2 cm - 7 g)



# 665

**KEY RING**

Key Holder

(Ø 2,5 cm - 2 g)





# 03.BTC

### T-SHIRT SKETCH

(XS - S - M - L - XL)

100 % cotton



# 03.GAP

### T-SHIRT HANG UP

(XS - S - M - L - XL)

100 % cotton



# 03.OEV

### T-SHIRT EVERYWHERE

(XS - S - M - L - XL)

100 % cotton



# 10.BKE

### KONG UNIFORM

(XS - S - M - L - XL)

100 % cotton





# 08.WEV

## BASEBALL EVERYWHERE

(XS - S - M - L - XL)

100 % cotton



# 08.REV

## BASEBALL EVERYWHERE

(XS - S - M - L - XL)

100 % cotton



# 08.XEV

## BASEBALL EVERYWHERE

(XS - S - M - L - XL)

100 % cotton





# DISTRIBUTORS

## **ARGENTINA - URUGUAY - ECRIN sa**

Ezpeleta 945 / 949 - B1640FXC Martinez - Prov. Buenos Aires - tel +5411.4798.8901; fax +5411.4793.3402  
mail: info@escalada.com - Contact: Michel Bourdoncle

## **AUSTRALIA - OUTDOOR AGENCIES PTY Ltd**

Unit 6/43 Herbert Street - AUS-2064 Artarmon NSW - tel +61.2.94382266; fax +61.2.94382520  
mail: outag@outdooragencies.com.au - Contact: Mr.Terry

## **AUSTRIA - SPORT MODE FREIZEIT**

Demmelleiten 8 - A-4840 Vöcklabruck - tel +43.7672.208320; fax +43.7672.208325  
http://www.smf.at; mail: office@smf.at - Contact: W. Schwaighofer Nairz

## **BELGIUM - see France**

## **BRAZIL - M. ARNAUD & Cia Ltda**

tel +55.11.40322479; fax +55.11.40338687 - mail: adm@m-arnaud.com.br - Contact: Mario Arnaud

## **BULGARIAN - ALPI 2002 LTD**

17A ZARIZA ELEONORA  
01618-SOFIA - BULGARIA  
Tel. 0035929625755; Fax. 0035928562451  
mail n.pentchev@saranda.bg; http:// www.alpibg.com  
Contact: mr. Nedeltcho Penchev

## **ODYSSEIA-IN LTD & STENATA**

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00000-SOFIA 1000, BULGARIA  
Tel. 35929890538 ; Fax. 35929803200  
mail ivan@odysseia-in.com  
Contact: mr. Ivan Ivanov

## **CANADA - LA CORDEE Inc.**

2159 Rue Ste-Catherine Est - Montreal Québec H2K 2H9  
2777 Rue St-Martin Ouest - Laval Québec H7T 2Y7 - tel 514. 524.1106 / 1.800.567.1106; fax 514.524.5081  
http://www.lacordee.com

## **CHILE - INVERSIONES CORACH sa**

Av.da Las Condes 9020 - Las Condes - Santiago - tel +56.22417785; fax +56.22431513  
mail: invc@dakosports.cl - Contact: José Cortes Busch

## **COLOMBIA - NOMADA y Cia Ltda**

Centro Ejecutivo Poblado - Cl.4 Sur n.43a - 195 Of.247 - Medellin - tel +574.321.52.14; fax +574.268.65.14  
mail: nomadaalturas@epm.net.co - Contact: Uwe Schulze-Froelich

## **CZECH REP. - SLOVAKIA - POLAND - UKRAINE - LANEX Hlucinska**

1/96 747 23 Bolatice - tel +420.553.751.324; fax +420.553.654.130  
http://www.lanex.cz; mail: lanex@lanex.cz - Contact: Nemcik Martin

## **DENMARK - SPEJDER SPORT a/s**

Balderbaekvej 24 - DK-02635 Ishoej - tel +45.43.553508; fax +45.43.553525

## **FINLAND - MOUNTAIN SHOP FINLAND Ltd**

Annankatu 15 - 00120 Helsinki - tel +35.896802996; fax +35.892600085  
mail: contact@mountainshop.fi - Contact: Teija Maatala

## **FRANCE - BELGIUM - EDELRID FRANCE sarl**

B.P.76 - 29 Rue Des Moutons - F-67870 Bischoffsheim - tel +33.03.88.480048 ; fax +33.03.88.480049  
mail: contact@edelrid.fr - Contact: Pascal Parutto

## **GERMANY - KRIMMER OUTDOOR SYSTEM GmbH**

Raiffelsenstraße 4 - D.86567 Tandern - tel +49.82.50548; fax +49.82.501484  
http://www.outdoor.de ; mail: info@krimmer-outdoor.de

## **GREECE - ACTIVE POINT sa**

39 Kallirrois str. - 11743 Athens - tel +30.109210906; fax +30.109220017  
mail: actpoint@otenet.gr - Contact: Karachalios Tryphon

## **HOLLAND - HET TOUWHUIS / CH.O.A VAN DER VALK b.v.**

Goudsesingel 85 - 3031 EE Rotterdam - tel +31.10.4111815; fax +31.10.4111816  
mail: touwhuis@bart.nl - Contact: Alfredo Pendola

## **HONG KONG - MOUNTAIN SERVICES Int. Ltd.**

Rm 1403 Sam Cheong Building 220 Des Voeux Road Central - Hong Kong - tel +85.225418876; fax +85.225417994  
mail: mtsservice@hknet.com - Contact: Mandy Leung

## **HUNGARY - EUROGLOBE kft**

21 Széchenyi U - Miskolc 3525 - tel +36.46.508484; fax +36.46.508484  
mail: mambo@freemail.hu

## **ICELAND - UTILIF OUTDOOR SPORT COMPANY**

Altheimum 74 - 104 Reykjavik - tel +35.45812922; fax +35.45814517  
mail: halldor@utilif.is - Contact: Valdimar Kristinnsson

## **INDIA - SHRADHA TRADING (INDIA)**

310 Vashist Commercial Complex M.G. Road - Sikanderpur Gurgaon 122 002 Haryana  
tel +91.1246539172; fax +91.1246380388  
mail: shradha@vsnl.com - Contact: Ash Sood

## **INDONESIA - KAWANI SARANA PATUALANG**

Jalan - Bandung - tel 62.22.4209291; fax 62.22.4230160  
mail: kawani@nelsa.net.id - Contact: Victor Kawarech

## **IRAN - AVA COMPANY**

Apt.13 N.291 Aram st. - North Tir Squ. - Teheran - tel +98.218824488; fax +98.218831599  
mail: ava@tavana.net - Contact: Mehrdad Kheyrahi

## **ISRAEL - THE NORTH STAR Ltd**

Moshav Bet Nequfa 27 - 90830 - tel +972.25799579; fax +972.25799191  
mail: dan.b@thenorthstar.co.il - Contact: Dan Ben Amotz





## ITALY - KONG S.p.a.

via XXV Aprile, 4 - I 23804 MONTE MARENZO (LC) - tel +39.0341.630506; fax +39.0341.641550  
http://www.kong.it; mail:pietro.tagliabue@kong.it - Contact: Pietro Tagliabue

## JAPAN - VERTEX CORPORATION

9-20 Mouri 2-Chome Koto-Ku - Tokyo 135-001 - tel 03.36352913; fax 03.36352916  
http://www.vertex-corp.co.jp; mail:sales@vertex-corp.co.jp - Contact: Noboru Onishi

## KOREA - NELSON SPORTS Korea Inc.

#905 Ilsan Techno Town 1141-1 Baeksuk-dong - Ilsan-gu - Goyang-si - Kyunggi-do  
tel +82.31.902.6950; fax +82.31.902.6953  
http://www.nelson.co.kr; mail info@nelson.co.kr - Contact: Mr. Hojin Chung

## LITHUANIA - DIUGONIS

Matulaicio Sq.7.38 - 2056 Vilnius - tel +37.02407015; fax +37.02414131  
mail: diugonis@scubadiving.lt - Contact: Gintautas Krakauskas

## MALAYSIA - CAMPER'S CORNER

15 Jalan Nuri off Jalan Langkasuka kg. Datok Onn (Larkin) 80350 Johor Bahru - tel (07) 234.0489; fax (07) 234.3070  
mail: campers@camperscorner.com.sg - Contact: Salina Org

## NEW ZEALAND - OUTSIDER MOUNTAIN SPORT Ltd

Lower Styx Road 946- Brooklands Christchurch - tel +64.33.298604; fax +64.33.298605  
http://www.oms.co.nz; mail: outsider@caverock.net.nz - Contact: Alan Hill

## NORWAY - GEKKO KLATRING as

Sverresgate 4 - 00652 Oslo - tel +47.22672844 ; fax +47.22674010  
mail gekko@gekkoklating.no - Contact: Miguel de Freitas

## PHILIPPINES - BOMB PROOF GEAR STOKE Inc.

3rd Level Robinsons Galleria - 1608 Quezon City - tel +632.6341760; fax +632.6554177  
mail: bombproof@edsamail.com.ph - Contact: Jerome de Leon

## POLAND - see CZECH REP.

## PORTUGAL - ALTITUDE JOGOS DE AVENTURA Ltda

Rua Joao Saraiva 34 A-B - P-1700 Lisboa - tel +351.18462840; fax +351.18462834  
mail: altitude@cipreia.pt - Contact: Mr. Gomes

## ROMANIA - GAMI TRADE srl

Str. 1 Mai, 12 - RO 430331 Baia Mare - tel/fax +4.0262.215694  
mail: gmotica@yahoo.com - Contact: Gabriel Motica

## RUSSIA - BASK - Outdoor Clothing & Equipment

Godovikova 9 - 129827 Moscow - tel (095) 232.67.02; fax (095) 234.06.03  
http://www.bask.ru; mail: vb@bask.ru - General Director: Vladimir Bogdanov

## SINGAPORE - THAILAND - FALL FACTOR

Block 125- Bukit Merh Lane 1 - 01 170 SINGAPORE 150125 - tel. +65.2730141; fax +65.2738135  
mail: fall\_factor@pacific.net.sg - Contact: Mr. Cedric

## SLOVENIA - K & J d.o.o.

Parmova 41 - SL-1000 Ljubljana - tel +386.611.343258; fax +386.611.343259 - Contact: Milos Koncar

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