

EN362 DMM Connectors Product List Abbreviations : B = Basic Connector, T = Termination Connector, H = HMS Connector, K = Kletterstieg Connector

DMM Aluminium Connectors						
Product	CatNo	EN12275 1998	EN362 2004	ANSI Z359.1 (N)	Strength (kN)	Gate (mm) Opening
Truscrow Eclipse Aero Offset D	A182	B	B	B	25	17
	A192	B	B	B	28	22
	A372	B	B	B	25	17
	A373	B	B	B	25	16
Aero HMS	A377	B	B	B	25	16
	A362/CB	B/H	B/T	B	25	18
	A363/CB	B/H	B/T	B	25	17
	A367/CB	B/H	B/T	B	25	17
Sentinel Revolver	A262	B	B	B	25	19
	A272	B	B	B	24	16
	A273	B	B	B	24	16
	A277	B	B	B	24	14
Mamba	A282	D	T	T	23	21
	A302	B	B	B	24	17
Phantom Ultra O	A303	B	B	B	24	17
	A312	B	B	B	24	15
Ultra D	A322/CB	B	B/T	B	25	22
	A323/CB	B	B/T	B	25	18
	A327/CB	B	B/T	B	25	18
	A332/CB	B	B/T	B	28	22
	A333/CB	B	B/T	B	28	22
	A337/CB	B	B/T	B	28	22
Zodiac 11	A612	B	B	B	28	18
	A613	B	B	B	28	17
	A613OL	B	B	B	28	16
	A617	B	B	B	28	16
	A617OL	B	B	B	28	16
Scaff Hook	A734	B	B/T	1992	23	52
	A734ANSI (Ultima)	B	B/T	2007	38	50
	A734OL	B	B/T	1992	23	50
	A738	B	B/T	1992	23	50
Zodiac 12	A763	B	B/T	1992	23	58
	A812/CB	B	B/T	32	18	
	A813/CB	B	B/T	32	16	
	A813OL	B	B	32	16	
	A817/CB	B	B/T	32	16	
	A817OL	B	B	32	16	
Zodiac	A822/CB	B	B/T	32	20	
	A823/CB	B	B/T	32	20	
Zodiac Fat Boy	A827/CB	B	B/T	32	18	
	A862NC	H	B	25	18	
	A863	H	B	1992	25	16
	A863OL	H	B	1992	25	16
	A867	H	B	1992	25	16
	A867OL	H	B	1992	25	16
Belay Master Big Boa	A872	B/H	B/T	25	20	
	A882/CB	H	B/T	28	24	
	A883/CB	H/K	B/T	1992	28	22
	A883ANSI	B	2007	28	21	
	A883OL/CB	H/K	B/T	1992	28	21
	A887/CB	H/K	B/T	1992	28	22
Boa I Beam	A887ANSI	B	2007	28	21	
	A887OL/CB	H/K	B/T	1992	28	19
	A892/CB	H	B/T	25	23	
	A893/CB	H	B/T	25	21	
	A897/CB	H	B/T	25	21	
	A902/CB	H	B/T	30	23	
Big Boa	A903/CB	H	B/T	30	21	
	A903ANSI/CB	B	B/T	2007	30	19
	A907/CB	H	B/T	30	21	
	A907ANSI	B	2007	30	19	
	SRC4A01	T	1992	30	22	
	A912	T	1992	30	21	
Reach Out Captive Eye	A912	T	1992	30	21	
	A913	T	1992	30	21	
	A913ANSI	T	2007	30	19	
	A917	T	1992	30	19	
	A917ANSI	T	2007	30	19	
	A992	T	1992	25	20	
Captive Eye	A993	T	1992	25	20	
	A993ANSI	T	2007	25	18	
	A993OL	T	1992	25	18	
	A997	T	1992	25	20	
	A997OL	T	1992	25	18	
	A9821	T	1992	25	19	
Sidewinder	A9822	T	1992	25	21	
	A9831	T	1992	25	19	
	A9832	T	1992	25	18	
	A9832OL	T	1992	25	17	
	A9871	T	1992	25	19	
	A9871OL	T	1992	25	16	
Lynx	A9872	T	1992	25	19	
	A9872OL	T	1992	25	16	
	LA832	H	B	23	21	
	LA833	H	B	1992	23	20
	LA833OL	B	1992	23	16	
	LA837	H	B	1992	23	16
Klettersteig	LA837OL	B	1992	23	16	
	LA842/CB	K	B/T	27	25	
	LA843/CB	K	B/T	1992	27	23
	LA843OL/CB	K	B/T	1992	27	23
	LA847/CB	K	B/T	1992	27	25
	LA847OL/CB	K	B/T	1992	27	23
Equal D	NFPA840-3	B/T	1992	27	25	

DMM Steel Connectors						
Product	CatNo	EN12275 1998	EN362 2004	ANSI Z359.1 (kN)	Strength (kN)	Gate (mm) Opening
Sm Scaff Hook Equal D	C113		B/T	1992	45	38
	C412/CB	B	B/T		30	15
	C413/CB	B	B/T	1992	30	15
	C413ANSI/CB	B	B/T	2007	30	14
	C417/CB	B	B/T	1992	30	15
Oval	C417ANSI/CB	B	B/T	2007	30	14
	C452	B	B		30	18
	C453	B	B		30	18
	C453ANSI	B	B	2007	30	18
	C457	B	B		30	18
Scaff Hook	C457ANSI	B	B	2007	30	17
	C714/CB		B/T	1992	45	52
	C714ANSI/CB		B/T	2007	45	48
	C734/CB		B/T	1992	35	52
	C734ANSI/CB		B/T	2007	35	48
Offset D	C754/CB		B/T	1992	35	52
	C763/CB		B/T	1992	40	52
	C763ANSI/CB		B/T	2007	40	52
	C812/CB	B	B/T		45	18
	C813/CB	B	B/T	1992	45	18
Klettersteig	C813ANSI/CB	B	B/T	2007	45	17
	C817/CB	B	B/T	1992	45	18
	C817ANSI/CB		B/T	2007	45	17
	C842/CB	K	B/T		45	25
	C843/CB	K	B/T	1992	45	25
Boa HMS	C843ANSI/CB		B/T	2007	45	24
	C847/CB	K	B/T	1992	45	23
	C847ANSI/CB		B/T	2007	45	24
	C852	H	B		40	24
	C853	HIK	B	1992	40	24
Captive Eye	C853ANSI		B	2007	40	22
	C857	HIK	B	1992	40	24
	C857ANSI		B	2007	40	22
	C962	T	T		45	18
	C963	T	T	1992	45	17
Equal D	C963ANSI	T	T	2007	45	18
	C967	T	T	1992	45	18
	C967ANSI	T	T	2007	45	17
	C992	T	T		45	20
	C993	T	T	1992	45	20
Scaff Hook	C997	T	T	1992	45	20
	C993ANSI	T	T	2007	45	19
	C997ANSI	T	T	2007	45	19
	C997ANSI	T	T	2007	45	19
	C997ANSI	T	T	2007	45	19

EN: Warning! Working at height, rock climbing, mountaineering and related activities are inherently dangerous. It is the responsibility of any person using this equipment to learn and practice the proper techniques for use of the equipment for its designated purposes safely and to foresee and take appropriate action in situations where rescue may be required. Even the correct use of equipment and techniques may result in fatal consequences. Any person using this equipment assumes all risks and full responsibility for all damages or injury which may result from the use of it. It is impossible to cover all methods of use. The following instructions and pictograms show some of the common correct and incorrect methods of use. There is no substitute for instruction by a trained and competent person.

Manufacturer's Instructions, Service and Maintenance Notice ("User Instructions")

IMPORTANT: Please read and understand this information before use, and retain this information for future reference.

General Information

1. These instructions cover the use of all DMM locking connectors, conforming to a number of international standards. Refer to the product list for details.

2. This product may be used in conjunction with any appropriate item of Personal Protective Equipment (PPE) relevant to European Union Directive 89/686/EEC. It may be acceptable for use in other applications, please consult your supplier.

3. Immediately before use, visually/functionally inspect to ensure that this connector is in a serviceable condition and operates correctly. This inspection should be recorded on the inspection form supplied. We recommend a thorough inspection at least once a year by a competent person (this may be the manufacturer).

4. Personal Issue: this connector may be personal issue either separately or a part of a system.

5. Lives depend on your equipment. The user should be aware of its history (use, storage, inspection etc.). If this equipment is not for personal use (e.g. used in mountaineering centres), we strongly recommend a systematic approach to record keeping. This should always be carried out by a competent person.

6. WARNING: if you are in any doubt whatsoever about the safe condition of this connector REPLACE IMMEDIATELY.

7. Ensure that the instructions for other components used in conjunction with this connector are complied with. It is the user's responsibility to ensure that he/she understands the correct and safe use of this connector.

8. This connector is designed for use in normal climatic conditions. It may be suitable for other conditions, please consult your supplier.

9. No responsibility will be accepted by DMM for damage, injury or death resulting from misuse.

10. No special transportation precautions are necessary; however, avoid all contact with chemical reagents or other corrosive substances.

11. Care must be taken to avoid loading this connector across the gate particularly over edges and other obstructions, please check the anticipated orientation during loading before use.

12. **ANCHORS:** The positioning of the anchorage point is crucial for safe fall arrest and this must take into account the anticipated fall distance including rope stretch, the deployment of the shock absorption system (where used) and the length of the connector so that obstructions (such as the ground) may be safely avoided.

12.2. **For EN362:2004** the anchorage point of the fall arrest system of which the connector forms part should be above the position of the user and have a minimum strength of 10kN.

12.3. **For EN12275:1998 IMPORTANT:** The user is advised that the security of any rock, snow or ice (or any combination of these) anchorage point (belay) natural or unnatural cannot be guaranteed as safe and therefore good judgement by the user is a necessity in order to obtain adequate protection. The use of a single point of protection will seldom provide adequate protection.

13. **EN362:2004**

13.1. All connectors are tested using steel pins of diameter 12mm, if in doubt check compatibility of mating parts before use. Care must be taken if this connector is likely to be loaded using wide straps (>12mm wide) as this may reduce the strength of the connector if loading occurs. If in doubt please consult your supplier or DMM.

13.2. Manual Locking connectors (screw gate): should be used only where the user does not have to attach and remove the connector many times during a working day.

13.3. **IF THIS CONNECTOR HAS BEEN USED TO ARREST A FALL IT SHOULD BE WITHDRAWN FROM USE AND DESTROYED.**

14. **EN795(b):2000**

Users exposed to the risk of a fall should use an energy absorber to EN355 to limit forces applied to the body to acceptable levels.

This connector is limited to single person use. This may be increased in a system designed by a Competent Person.

15. Maintenance and Servicing

Note: this product is not user maintainable with the exception of cleaning and lubrication as detailed below.

15.1. Cleaning: If soiled rinse in clean water of domestic supply (maximum temperature 40°C) with mild detergent at appropriate dilution (pH range 5.5 - 8.5). Wipe off excess moisture with a clean cloth and then dry naturally away from direct heat.

15.2. Lubrication: Lubricate the gate mechanism with a silicone based lubricant only. This should be carried out after cleaning.

NOTE: Cleaning and Lubrication are recommended after every use in a marine environment. Cleaning and lubrication may cure defective gate mechanism action, if it does not, replace the product immediately.

15.3. Disinfection: Disinfect using a disinfectant containing quaternary ammonium compounds reinforced with chlorhexidine (e.g. Savlon) in sufficient quantities to be effective. Soak the product for 1 hour at dilutions recommended for general use using clean water as per (15.1) not exceeding 20°C then rinse thoroughly as per (15.1).

15.4. Storage: After any necessary cleaning store unpacked in a cool, dry, dark place in a chemically neutral environment away from excessive heat or heat sources, high humidity, sharp edges, corrosives or other possible causes of damage. Do not store wet.

16. Lifespan and Obsolescence.

16.1. Lifespan: This is the maximum life of the product, subject to detailed conditions, that the Manufacturer recommends that the product should remain in service. It is very difficult to estimate this due to local use and storage conditions and may be as little as one use, or even earlier if damaged (e.g. in transit or storage) prior to first use.

For the product to remain in service it must pass a visual and tactile inspection when considering the following criteria:

Fall arrest/General Wear/Chemical Contamination/Corrosion/Gate Malfunction/ Mechanical Deformation/Distortion/Heat Contamination (over normal climatic conditions) Clear and readable marking (e.g. marking, batch reference, individual serial numbers etc).

Where such products are permanently attached to other products in a system, please refer to the Manufacturer recommendations of the complete system.

EN362 Connectors with no permanent individual serial number present: 10yrs from date of manufacture.

EN362 Connectors complete with individual serial number by the manufacturer: 10yrs from first use, 15yrs from manufacture, whichever comes first.

16.2. Obsolescence: A product may become obsolete before the end of its lifespan. Reasons for this may include changes in applicable standards, regulations, legislation, development of new techniques, incompatibility with other equipment etc.

17. European Union Type Examination: (UK type examination for this product is carried out by Notified Body No. 0120: S.G.S. (UK) Ltd., Worle Parkway, Weston-Super-Mare, Somerset, BS22 6WA, U.K.

18. Explanation of Markings (Note additional markings may be included on this connector as required by product conformance standards other than EN362 (2004) : DMM Wales UK - Name of manufacturer/country of origin.

xxkN - EN362:2004 - Strength rating, $\leftrightarrow$ major axis gate closed (loading along spine with gate closed and locked), ∇ minor axis gate closed (loading along spine with gate open), ∇ cross gate (minor axis, gate closed), ∇ major axis gate open (1020CE - CE mark (notified body number and CE mark).

08128XXXX - Year/Date of manufacture and individual serial number.

Book Pictogram - reminder that the end user should read & understand these instructions, and those supplied with other items of PPE which may be used in conjunction with this item.

EN362:2004/B/T - European Standard and Class of connector.

C410 - definitive part number (connector back).

D - For Karabiners of type D (EN12275:1998 Directional Karabiners) where relevant.

H - For Karabiners of type H (EN12275:1998 HMS Karabiners) where relevant.

K - For Karabiners of type K (EN12275:1998 Kletterstieg Karabiners) where relevant and when fitted with automatic locking gates.

DE: Achtung! Höhenarbeit, felsklettern, bergsteigen und verwandte tätigkeiten sind von natur aus gefährlich. Es liegt in der eigenverantwortlichkeit jeder person. Die ausrüstung. Benutzt, die entsprechenden. Richtigen techniken zu lernen und auszuüben. So dass die ausrüstung für ihren bestimmten zweck und in möglichen rettungssituationen sicher angewendet wird. Selbst die richtige anwendung von ausrüstung und techniken kann tödliche folgen haben. Der anwender dieser ausrüstung trägt alle risiken und die volle verantwortung für jeden und alle schäden oder verletzungen. Die eventuell aus ihrer verwendung resultieren. Die folgenden anleitungen und piktoگرامme zeigen einige der häufigsten richtigen und falschen anwendungsmethoden. Nichts ist besser, als von einer geschulten und kompetenten person in der anwendung unterwiesen zu werden. Herstellerangaben, Instandhaltungs- und Wartungshinweise ("Benutzerhinweise").

WICHTIG: Bitte lesen Sie sich diese informationen vor dem Einsatz des Produktes genau durch und verstehen Sie diese. Bitte bewahren Sie die informationen auf.

Allgemeine Information :

1. Dieser Anleitungen abdecken die Verwendung aller- DMM Verbindungselement, anpassend zu manche international Standards. Hinweisen die Produkt aufrufen als Einzelheiten.

2. Dieser Karabiner kann zusammen mit anderen Ausrüstungsgegenständen verwendet werden, die der EU-Richtlinie 89/686/EWG für persönliche Schutzausrüstungen (PSA) entsprechen. Es kann für den Gebrauch bei anderen Ausrüstungen geeignet sein, bitte wenden Sie sich hierzu an Ihren Lieferanten.

3. Sie sollten sofort vor dem Gebrauch eine Sicht- und Funktionsprüfung durchführen, um sich zu vergewissern, dass sich dieser Karabiner in einem betriebsfähigen Zustand befindet und richtig funktioniert.

Der Schnapper sollte sich bei Auslösung ohne Verzögerung verschließen und sich zum Schließen drehen (Schraubkarabiner) oder automatisch zuschnappen und sich verschließen (Auto-Verschlüsse) (siehe In

