

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. Medical conditions can affect the safety of the equipment user in normal and emergency use. 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; it is impossible to predict them all. There is no substitute for instruction by a trained and competent person. USER INSTRUCTIONS
IMPORTANT: Please read and understand this information before use, and retain this information for future reference.

General Information

- These instructions cover the use of DMM Pulleys, conforming to one or more international standards. If in doubt please contact your supplier or DMM.
- 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.
- Immediately before use, visually/functionally inspect to ensure that this product 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 every 6 months by a competent person (this may be the manufacturer).
- Personal Issue:** this product may be issued for personal use, and may be used either separately or as part of a system.
- 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.
- WARNING:** if you are in any doubt about the safe condition of this product, replace it immediately.
- WARNING:** if this product has been used to arrest a fall it should be withdrawn from use and destroyed.
- Ensure that the instructions for other components used in conjunction with this product are complied with. It is the user's responsibility to ensure that he/she understands the correct and safe use of this product.
- This product is designed for use in normal climatic conditions (-40°C +50°C). Wet and icy conditions will not reduce the strength of this product. It may be suitable for other conditions, please consult your supplier.
- No responsibility will be accepted by DMM for damage, injury or death resulting from misuse. If in doubt contact your supplier or DMM.
- No special transportation precautions are necessary; however, avoid all contact with chemical reagents or other corrosive substances.
- Care must be taken to avoid loading this product over edges and other obstructions. Check the anticipated orientation during loading before use.
- 13. Anchors.**
 13.1. The anchorage point of the fall arrest system should be above the position of the user and conform to EN795:2012 and have a minimum strength of 12kN.
 13.2. 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.
 13.3. **Mountaineering:** 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 judgment by the user is a necessity in order to obtain adequate protection.
- 14. Maintenance and Servicing**
 This product must not be marked, modified or repaired by the user unless authorised by DMM.
Note: this product is not user maintainable with the exception of the following:
 14.1. **Disinfection:** disinfect using a disinfectant containing quaternary ammonium compounds reinforced with chlorohexidine (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 (14.2) not exceeding 25°C, then rinse thoroughly as per (14.2).
 14.2. **Cleaning:** if soiled rinse in clean warm water of domestic supply quality (maximum temperature 25°C) with mild detergent at appropriate dilution (pH range 5.5 - 8.5). Thoroughly rinse and dry naturally in a warm ventilated room away from direct heat. Important: Cleaning is recommended after every use in a marine environment.
 14.3. **Lubrication:** See Drawing 4d. This should be done every 1000 hours of use or every year, if applicable. Lubricate with an SAE 30 mineral oil. Lubricate the pulley bearing liberally and allow to soak in. This should be carried out after cleaning.
 14.4. **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.
- 15. Lifespan and Obsolescence.**
 15.1. **Lifespan:** this is the maximum life of the product, subject to detailed conditions, that the Manufacturer recommends that the product should remain in service.
Maximum Lifespan: Textile & Plastic Products – 10 years from date of manufacture. Metal Products – no time limit.
Note: This 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, mechanical malfunction/deformation, cracks, loose rivets, loose strands of wire, frayed and/or bent wire, heat contamination (over normal climatic conditions), cut stitching, frayed tape, degradation of tape and/or thread, loose threads in tape, prolonged exposure to U.V., 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.
 15.2. **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.
 16. **European Union Type Examination:** EU 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.
 17. **Explanation of Markings**
DMM Wales UK - Name of manufacturer/country of origin.
PULXXX - Product code.
Max Rope Ø xmm: Maximum rope diameter to be used in pulley.
MBS xxkN – Minimum breaking strength.
WLL xxkN – Working Load limit.
EN12278:2007 – European Standard to which the device conforms.
NFPA 1983 (2012 ED) CLASS G/T - National Fire Protection Association (US) standard to which device conforms (where applicable). Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services.
0120CE - CE mark (notified body number and CE mark).
YRDAYXXXX# - Year/Day 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.

NOTE: THIS PULLEY MEETS THE AUXILIARY EQUIPMENT REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE & EQUIPMENT FOR EMERGENCY SERVICES, 2012 EDITION. MINIMUM BREAKING STRENGTH & RATING ARE DETERMINED AT THE CONFIGURATION OF LOWEST STRENGTH PER MANUFACTURERS INSTRUCTIONS.

Guarantee: DMM guarantees this product for 3 years against any defects in materials or manufacture. The guarantee does not cover this product for normal wear through usage, incorrect storage, poor maintenance, accidental damage, negligence, any modifications or alterations, corrosion, or for any usage for which the product was not designed.

1. Triple Attachment Pulley **Pinto Pulley** **Gyro Pulleys**

2.

EN Loading the pulley
 FR Chargement de la poulie.
 DE Laden der Seilrolle.
 IT Caricamento della puleggia.
 ES Carga de la polea.
 PT Carregamento da polia.
 NL Het laden van de katrol.

3.

EN Inspect for defects before and after every use and retire from service immediately if damaged or in doubt.
 FR Vérifiez l'absence de défauts avant et après chaque utilisation et mettez hors service immédiatement en cas d'endommagement ou de doute.
 DE Vor und nach jedem Einsatz auf Fehler überprüfen und bei Beschädigung oder Zweifeln nicht mehr benutzen.
 IT Ispezionare per verificare che non vi siano difetti prima di ogni utilizzo e ritirare dall'uso immediatamente in presenza di danneggiamenti o in caso di dubbio.
 ES Supervise que no haya daños antes y después de cada uso. En caso de estar dañada o si duda no la utilice.
 PT Inspeccione para defeitos de antes e depois de cada uso e retire do serviço imediatamente se estiver danificado ou em dúvida.
 NL Controleer op gebreken voor en na elk gebruik en onmiddellijk te verwijderen uit dienst indien beschadigd of in geval van twijfel.

4.

EN Prevent contact with chemical reagents.
 FR Évitez les contacts avec des réactifs chimiques.
 DE Kontakt mit Chemikalien vermeiden.
 IT Impedire il contatto con reagenti chimici.
 ES Evite el contacto con activos químicos.
 PT Evite contacto com reagentes químicos.
 NL Voorkom contact met chemische reagentia.

5.

EN Do not mark or alter. Not user repairable.
 FR Ne faites aucune marque sur le dispositif et ne le modifiez pas. Non réparable par l'utilisateur
 DE Nicht markieren oder abändern. Kann nicht vom Anwender repariert werden.
 IT Non segnare o alterare. Non riparabile dall'utente.
 ES No lo marque o ltere. Este producto no es reparable.
 PT Não marque nem altere. Não reparáveis pelo utilizador.
 NL Niet markeer ofwijzigen. Niet te repareren door de gebruiker.

	PUL100	✓
	PUL100RAPIDE	×
	PUL110	✓
	PUL120	×
	PUL230	✓
	PUL231	✓
	PUL241	✓

5. Pinto Pulley

EN Attaching the pulley
 FR Fixation de la poulie
 DE Befestigung der Seilrolle
 IT Fissaggio della puleggia
 ES Acoplar la polea
 PT Fixação da polia.
 NL Bevestigen van de poelie

a.

b.

DMM Ultra O DMM Boa

Pinto Pulley

c.

d.

e.

Pinto Pulley

f.

g.

h.

Gyro Pulley

i.

j.

k.

l.

Triple Attachment Pulley

m.

n.

Wales Land of Quality 0120CE

F325A/QA/27/Jan.2016

EN - Signature		EN -OKT (Yes/No)	-INSPECTION FORM Comments/Actions -BULLETIN DE CONTRÔLE Observations/Actions -INSPEKTIONSFORMULÄR Kommentars/Åtgärder -MODULO DE INSPECCIÓN Comentarios/Acción -HOJA DE INSPECCIÓN Comentarios/Acción -FORMULÁRIO DE INSPEÇÃO Comentários / ações -INSPECTIEFORMULIER Commentaar/Gedelen
FR - Signature	DE -Unterschrift	FR -OKT (oui/Non)	
IT - Firma	ES - Firma	DE -OKT (Ja/Nein)	
PT - Assinatura	NL - Handtekening	IT -OKT (Sì/No)	
		ES -OKT (Sí/No)	
		PT -OKT (sim/não)	
		NL -OKT (Ja/Nein)	

EN - PRIOR TO USE THE USER IS OBLIGED TO COMPLETE THE FOLLOWING INFORMATION - User's Name; Place of Purchase; Date of Purchase; Date First Used.
 FR - COMPLETER OBLIGATOIREMENT LE BULLETIN CI-APRES L'EMPLOI - Nom; Point D'Achat; Date D'Achat; Date D'achat; Date du Premier Emploi.
 DE - VOR GEBRAUCH SIND VOM ANWENDER FOLGENDE ANGABEN ZU MACHEN - Name des Anwenders; Gekauft Con; Kaufdatum; Datum der Ersten Benutzung.
 IT - PRIMA DELL'USO, L'UTENTE HA L'OBBLIGO DI COMPIERE LE INFORMAZIONI SEGUENTI - Nome del Utente; Luogo di Acquisto; Data di Acquisto; Data di Primo Impiego.
 ES - ANTES DA UTILIZAR, O USUARIO DEBERÁ RELENAR LA INFORMACION SIGUIENTE - Nombre del Usuario; Lugar de Compra; Fecha de Compra; Fecha del Primer Uso.
 NL - VOORDAT HET IN GEBRUIK WORDT GEKOMEN, IS DE GEBRUIKER VERPLICHT DE VOLGENDE GEGEVENS IN TE VULLEN - Naam van Gebruiker; Plaats van Aankoop; Datum van Aankoop; Datum van Eerstgebruik.

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DMM Pulleys

EN12278:2007
 NFPA:1983 (2012 ED) CLASS G

0120CE

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EN, FR, DE, IT, ES, PT, NL

