



Triple Attachment, Hitch Climber Eccentric & Rigger Pulley Range

EN12278

INS-PULLEYRE-G1-V016

en, fr, de, it, es, pt, nl

nb, sv, fi, da, pl, cs, sk

3σ



1

Warning



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. If in doubt, please contact DMM.

Instructions for use

IMPORTANT: Please read and understand instructions before use and retain for future reference.

These instructions cover the use of DMM equipment depicted in the illustrations and show the correct methods of use and some common incorrect methods of use; it is impossible to predict them all. There is no substitute for instruction by a trained and competent person.

2

Warning symbols



Yes



No



Pay attention



Warning!
May result in
injury or damage
to product



Warning!
May result in
death

Rigger

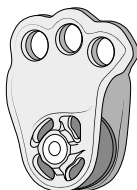


PUL400

Rigger Becket



PUL410

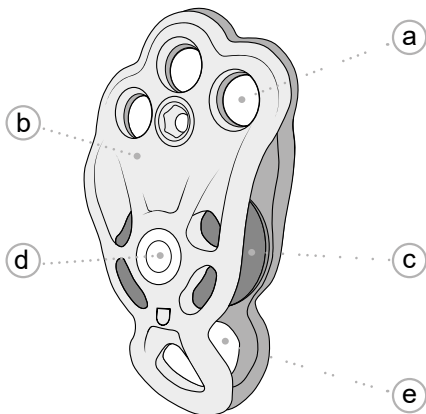
Hitch Climber
Eccentric

PUL500

Triple
Attachment

PUL700

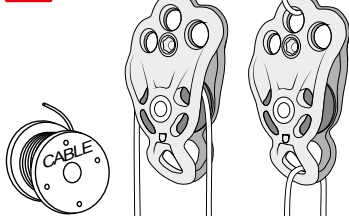
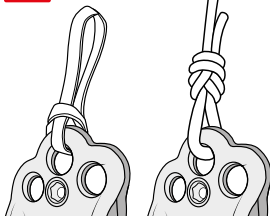
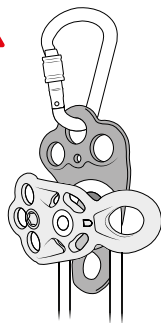
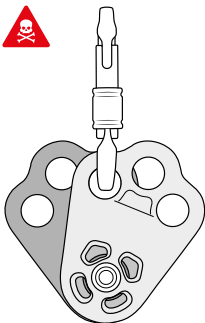
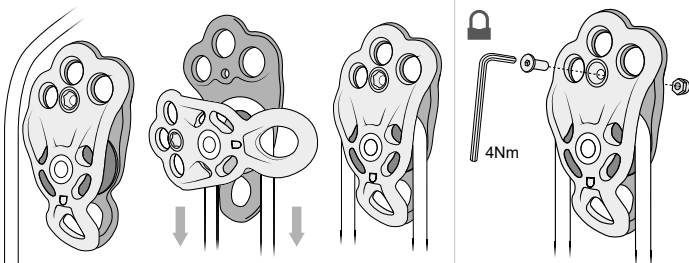
- a. Attachment point
- b. Side plate
- c. Sheave
- d. Axle
- e. Becket

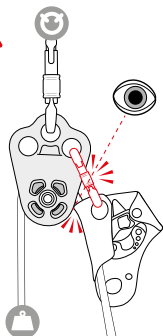
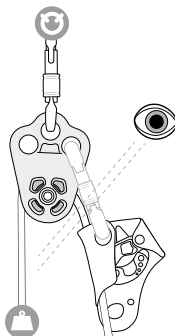
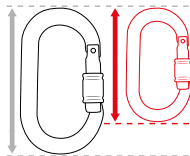
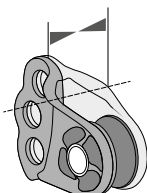
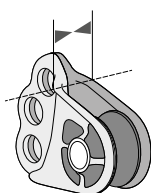
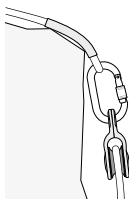
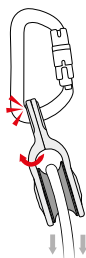
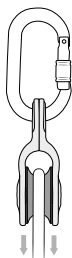


PUL400/410



4Nm





Working load limit (WLL)

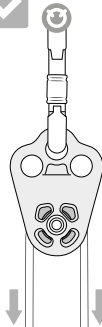
Breaking limit (MBS)

PRODUCT CODE	WLL (kN)	MBS (kN)	MAX ROPE DIAMETER (mm)
PUL400	8	40	14
PUL410	8	40	14
PUL500	6	32	14
PUL700	6	30	14

PUL400/500/700



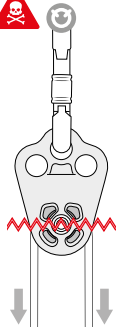
WLL



WLL/2 WLL/2



MBS



MBS

PUL410



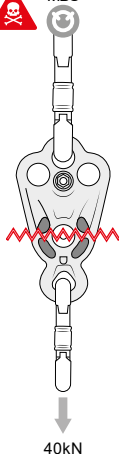
WLL



5kN



MBS

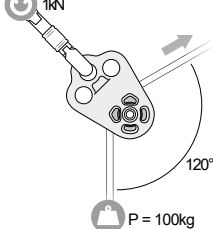


40kN

PUL400/500/700



1kN

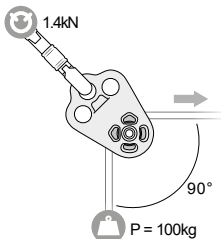


120°

P = 100kg



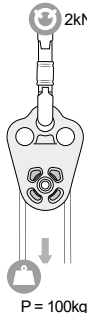
1.4kN



90°

P = 100kg

2kN

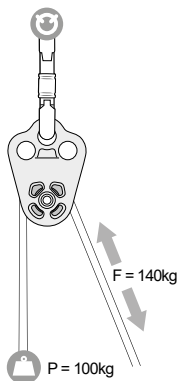


P = 100kg

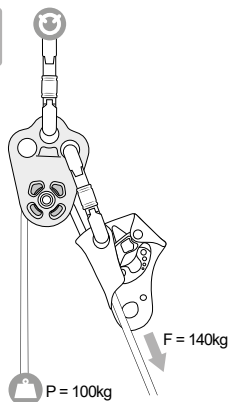
4b

Pulley systems

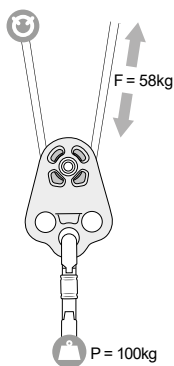
4c. Simple pulley system



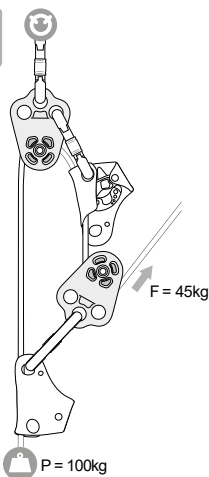
4d. With progress capture



4e. 2:1hauling system

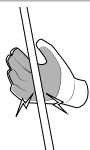
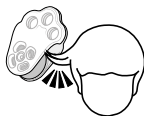


4f. 3:1hauling system with progress capture

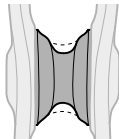
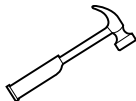


GUIDANCE

CONDITION

5a.
Operating
conditions5b.
Inspection

Every 6 months

5c.
Maintenance

GUIDANCE

CONDITION

5d.
Disinfection
and cleaning



Max 30°C



5e.
Lubrication



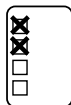
5f.
Storage and
transportation



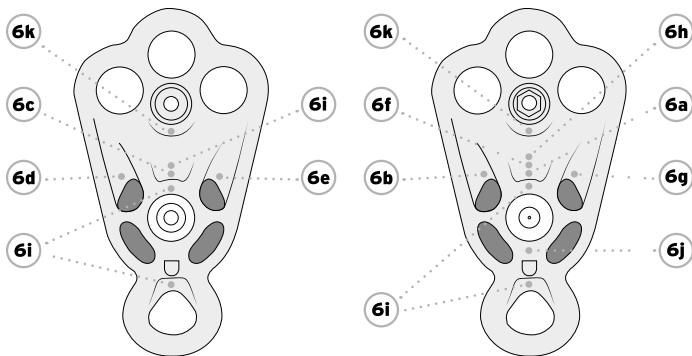
5g.
Lifespan and
obsolescence



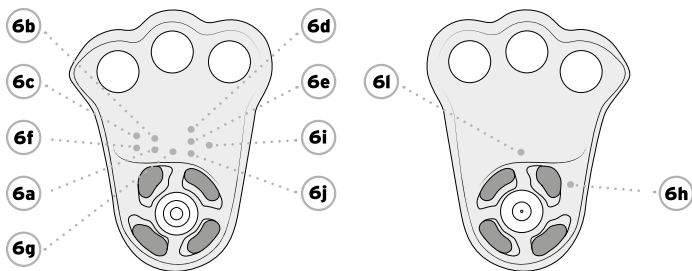
Metal: Indefinite.
Subject to inspection



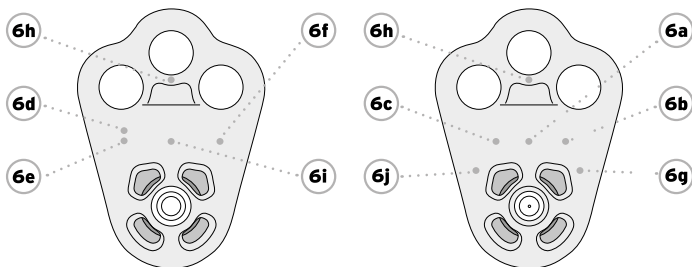
Rigger (PUL400) & Rigger Becket (PUL410)








Hitch ClimberEccentric (PUL500)



Triple Attachment (PUL700)



	MARKING	DESCRIPTION
6a.	PULXXX	Product code
6b.	ØXXmm - XXmm	Maximum rope diameter to be used in pulley
6c.	YRDAYXXXX#	Year/Day of manufacture and individual serial number
6d.	 0598	CEmark and notified body number
6e.	 0120	UKCAmark and notified body number
6f.	EN 12278	European Standard to which the device conforms
6g.		Risk of entanglement
6h.		DMMWalesUK - Name of manufacturer/country of origin
6i.	WLL XXkN & MBS XXkN	Strength ratings
6j.		Reminder that the user should read & understand these instructions
6k.	XXNm	Locking bolt torque value
6l.	PRODUCT	Product name

1. Warning!

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2. Warning symbols

 Yes

 No

 Pay attention

 Warning! May result in injury or damage to product

 Warning! May result in death

3. Nomenclature

Rigger / Rigger Becket / Hitch Climber Eccentric / Triple Attachment

a. Attachment point

b. Side plate

c. Sheave

d. Axle

e. Becket

4. Compatibility

This product may be used in conjunction with any appropriate item of Personal Protective Equipment (PPE) relevant to European Union PPE Regulation (EU) 2016/425.

Verify the compatibility of this equipment with any other equipment or systems it is intended to be used with/in before use.

Care must be taken to avoid loading this product over edges and other obstructions. Check the anticipated orientation during loading before use.

4a. Working load limit and breaking limit

4b. Pulley systems

4c. Simple pulley system

4d. With progress capture

4e. 2:1 hauling system

4f. 3:1 hauling system with progress capture

5. Table of use and guidance

5a. Operating conditions

This product is designed for use in normal climatic conditions (-30°C - +50°C). Wet and icy conditions will not reduce the strength of this product.

Risk of entanglement.

Risk of rope burn. Wear appropriate gloves and always maintain control of the rope.

5b. Inspection

Immediately before use visually and functionally inspect to ensure that this product is in a serviceable condition and operates correctly.

DMM recommends a thorough inspection at least once every 6 months by a competent person. A systematic approach to record keeping should be used to record the results of each inspection.

An inspection should consider the following criteria:

General wear

Mechanical malfunction/ deformation

Cracks

Sharp edges/points

Loose rivets

Corrosion

Heat damage

Chemical contamination

Clear and readable markings

Sheave can rotate freely in both directions, doesn't have excessive play, and doesn't rub on sideplate

Sideplates can rotate without excessive play (for pulleys with moving sideplates only)

WARNING: if you are in any doubt about the safe condition of this product, replace it immediately.

5c. Maintenance

This product must not be marked, modified or repaired by the user unless authorised by DMM.

5d. Disinfection and cleaning

Wash in 30°C clean domestic grade water with liquid soap in the pH range 5.5 to 8.5, rinse in clean water, dry naturally in a warm ventilated room away from direct heat. It may be necessary to repeat the process to effectively clean or disinfect. Do not use high pressure washers. Do not use degreasers, solvents, or penetrating oils.

Clean after use in marine or corrosive environments.

5e. Lubrication

Bearings are sealed and do not require lubrication, lubricate sideplate if stiff to rotate (for pulleys with moving sideplates only)

5f. Storage and transport

Store unpacked in a cool, dry, dark place away from excessive heat or heat sources, high humidity, sharp edges, corrosives, chemical reagents or other possible causes of damage. Do not store wet.

5g. Lifespan and obsolescence

Lifespan: the usable life of the equipment before it should be retired. If any of the following criteria are met the equipment should be immediately retired from use, destroyed, and ethically disposed of:

Equipment sustains a major fall, load, and/or damage

Equipment fails inspection

History of the equipment is unknown

Maximum lifespan is exceeded

Equipment becomes obsolete

Maximum lifespan: this is the maximum duration that DMM recommends the product could remain in service.

Textile & Plastic Products – 10 years from date of manufacture.

Metal Products – no time limit.

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

6. Markings

Marking Description.

6a. PULXXX - Product code

6b. Max rope ØXXmm - Maximum rope diameter to be used in pulley

6c. YRDAYXXXX# - Year/Day of manufacture and individual serial number

6d. CEXXXX - CE mark and notified body number

6e. UKCAXXXX - UKCA mark and notified body number

6f. EN 12278 - European Standard to which the device conforms

6g. Hair pictogram - Risk of entanglement

6h. DMM Wales UK - Name of manufacturer/country of origin

6i. WLL XXkN & MBS XXkN - Strength ratings

6j. Book pictogram - Reminder that the user should read & understand these instructions

6k. XXNm - Locking bolt torque value

6l. Product - Product name

Type Examination:

UK appointed body for type examination and production process: No. 0120: S.G.S.(UK) Ltd., Rossmore Industrial Estate, Inward Way, Ellesmere Port, CH65 3EN, UK.

EU notified body for type examination and production process: No. 0598: SGS Fimko Ltd, Takomotie 8, FI-00380, Helsinki, Finland.

CE/EU Declaration of Conformity: dmmwales.com/EU-DoC

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.

**UK
CA 0120**

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