

PULLEYS

Pulley	Max. resist.	User work resist.		rope
		On pulley	On one side	
B01	25kN	6kN	3kN	10,5-12 mm
B02	30kN	7,5kN	3,5kN	10,5-16 mm
B12	25kN	6kN	3kN	10,5-12 mm

EN12278

PURPOSE OF USE

Pulleys are auxiliary equipment that can be used to work with a rope (EN 892 and EN1891) or an auxiliary rope (EN 564) together with a connector (EN 12275 or EN362) used to reduce friction when moving a rope or an auxiliary line under load. Blocks used in work at heights are used to pull equipment and materials, and in the rescue to draw victims. Some models are connected to a clamping device. Tandem blocks enable horizontal / oblique (queue) transport of cargoes or evacuation of victims - on a textile or steel line (depending on the model).

LIMITATIONS OF USE

Pulleys should not be used as a component or fall arrest system. The safety harness or belt/harness and safety rope are the fall arrest equipment. The use of a cable in combination with another selected fall protection equipment such as a safety harness must comply with the applicable regulations and the instructions for use of the equipment.

INSTALLING

The element used like anchorage point on which the rope is fastened should have the equivalent shape, strength at least 12 kN and be in accordance with EN 795. It should be as direct as possible above the work place to avoid the pendulum effect (the possibility of circular motion and impact on the near an obstacle). The rules for opening and closing the device are shown in the drawing. Weather conditions (rain, ice, mud) can affect the operation of the device.

USE

The use of pulley in combination with other selected equipment, (ex. connectors, ropes,) must comply with the relevant regulations (standards) and instructions for use of the equipment. Check the compatibility of this product with the rest of the system (see product specific instructions.) Check the shape and size of the connectors (the clamps should not come into contact with the blocks.) NOTE: the cable with too small diameter can be blocked by the cover. NOTE: dynamic weight movements ("yo-yo" effect) and dynamic pulling can double (or more) forces acting on the station point and other system elements. Verify that other system components are compatible in terms of strength. Avoid jerks. - The elements used together with the downhill device must comply with the applicable standards ("Workpoints", "Ropes", "Lock connectors" etc.) If you are unsure about the compatibility of your equipment, please contact the manufacturer's representative.

Rules for pulling in the load

The pulley is theoretically (perfect system), the force needed to raise the weight of 100kg is equal to this weight Fig. 5A (in real conditions, the friction should be added). Extraction system 1/2 fig. 5B - It is necessary to have a rope at least twice as long as the length of the load (if we draw the weight from its level, i.e. from below - the rope must be three times longer); Pulling system 1/3, with a lock, figure 5C - It should have a rope three times longer than the length of the weight (if we draw the weight from its level, i.e. from below - the rope must be four times longer) Pulling system 1/4 on double blocks Fig. 2A - It is necessary to have a rope at least four times longer than the length of the weight (if we pull the weight from its level, i.e. from below - the rope must be five times longer)

BASIC PRINCIPLES OF CORRECT USE

Before each application, the pulley should be inspected thoroughly for mechanical, chemical and thermal damage as well as the correct functioning of the connecting mechanisms (Figure 1). Inspection is performed by the person using the self-locking device. If damage is found, the device should be taken out of use. During the period of use, periodical inspections of all components of the self-locking device (rope, splices / stitching, mechanism, snap fasteners) should be carried out at least once a year in terms of mechanical, chemical or thermal damage. The control may only be performed by a competent person (eg a representative of the manufacturer / distributor, a person trained by the manufacturer's / distributor's service). Confirmation of this review must be included in the User's Card of this product.

During use, protect the block against contact with solvents, acids and bases, open flame, hot metal splashes and sharp-edged objects.

It is forbidden to make any repairs or modifications of the equipment on its own. Making any repairs as well as changes or additions to the equipment should be entrusted to the manufacturer or a competent person authorized by the manufacturer.

WARNING

Work at heights is dangerous and can cause injuries that pose a threat to health and life. To work at heights, good health, good condition and regular medical examinations are necessary. The person using the fall protection equipment is personally responsible in the event of injury, accident or death. There should be a rescue action plan in the event of an injury, fall, or need to evacuate from a height. The safety harness is the only acceptable user support device that can be used in fall arrest systems. It should be checked during each use if the required free space below the user is maintained (Figure 5) We warn about the dependence of the user's safety on the continuous efficiency and durability of the device. Before each use of the device, check whether the product marking is legible. The equipment should not be used contrary to the agreed conditions of use or for any other purpose than intended. It is necessary to resell the device outside the country of destination so that the reseller / distributor / representative will provide instructions for use in the language of the country in which the device will be used

STORAGE, MAINTENANCE AND CLEANING, TRANSPORT

The product should be stored in dry, well-ventilated and uninsured rooms. Storage conditions should prevent contamination and mechanical, chemical or thermal damage. Until the first release for use, the product should be stored in the manufacturer's packaging. The self-restraining device can be cleaned using mild detergents (eg soap). It should be dried in a hanging position in a place distant from heat sources and from direct sunlight. Do not use in potentially explosive environments.

During transport, care should be taken to prevent damage to the equipment, the device is recommended to be transported in a container / bag.

TERMS OF USE AND CONDITIONS FOR WITHDRAWAL OF THE PRODUCT FROM USE

The lifetime of the products depends on the frequency and conditions in which it is used (salt, moisture, chemicals, etc.) and on the way of storage and transport (whether it is dry and transported in suitable bags or containers). The period of use of metal products specified by the manufacturer is unlimited. Products having textile or plastic elements after 10 years from the date of commissioning (this date must be entered in the user's card) and not later than 13 years from the date of production should be forwarded to the producer or person / company authorized by the manufacturer to check determining the suitability of the product for further use. It should be remembered that mechanical damage may already occur during the first use, which in turn may cause it to be repaired or replaced. Withdrawal from use is made by a person authorized to do so in the workplace and is carried out in the case of:- Any fall protection equipment that has been involved in stopping the fall should be withdrawn from use until the person authorized by the manufacturer has expressed his written consent for continued use. - detection of mechanical occurrence (eg, buckling, cracking of any of the buckles), chemical or thermal (eg burning the tape) damage to components of braces - the equipment should be subject to cassation or sent to the manufacturer or authorized service for inspection and / or repair (draw C).

GUARANTEE

The product is covered by a 12-month warranty from the date of purchase.

Producer: JMP International sp. z o. o., Ul. Czyżykowa 9, 85-449 Bydgoszcz

User name:

Purchase date:

Start of using:

INTER[®]

www.jmpinter.com
+48 52 371 91 95

Product name:

Produkt code:

Serial number:

Production date:

PERIODIC CONTROL

DATE	NOTES	SIGNATURE

