

Instructions for use and maintenance

Connectors



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These for use and maintenance concern the following connector models: automatic locking, manual screw locking and double finger. The instructions inform you about the correct use throughout the life of the product: **(warning)** for your safety, **read through, fully understand and keep these instructions** before using the product. Failure to heed these instructions may result in severe injury or death.

Type	Max. gate opening	Min. static strength	Class acc. to EN 362:2004	Type acc. to EN 12275: 2013	Material	EU2016/425		
						Used Standard EN362:2004	Used Standard EN 365:2004	Used Standard EN 12275: 2013
								
ID03702	23 mm	27 kN	-	B	Steel			●
ID03706	23 mm	27 kN	-	B	Steel			●
YAC001D	20 mm	25 kN	B	B	Al	●	●	●
YAC001S	19 mm	25 kN	B	B	Al	●	●	●
YAC001T	20 mm	25kN	B	B	Al	●	●	●
YAH001(AL-052)	60mm	22kN	A	T	Al	●	●	●
YAH015	19 mm	22 kN	T	T	Al	●	●	●
YIC001D	19 mm	25 kN	B	B	Steel	●	●	●
YIC001D-CP	19 mm	25 kN	B	B	Steel	●	●	●
YIC001S	18 mm	25 kN	B	B	Steel	●	●	●
YIC001S-CP	18 mm	25 kN	B	B	Steel	●	●	●
YIC001T	19 mm	25 kN	B	B	Steel	●	●	●
YIC001T-CP	19 mm	25 kN	B	B	Steel	●	●	●
YIC020S	16 mm	28 kN	B	-	Steel	●	●	
YIH001(B-231)	54mm	25kN	A	T	Steel	●	●	●
YIH009(B400)	17mm	25kN	T	T	Steel	●	●	●
YIH050	18mm	23 kN	T	-	Steel	●	●	

Use

This personal protective equipment (PPE) is used for protection against falls from a height and serves as a vital transmission component of the mechanical resistance between a proper anchoring point and the user. All the above listed connector models comply with safety standards EN 362:2004 , EN 365:2004 , EN 12275:2013. And Regulation (EU) **2016/425** of the European parliament

It is recommended that individual connectors be used by only one person.

Automatic locking, manual screw locking and double finger can be used in fall arrest systems. When any of the connectors is used in a fall arrest system, its length shall be taken into account when evaluating the height of a fall.

Check that there is free space beneath your feet in order to avoid any collision with obstacles that may be obstructing the fall trajectory.

Remember: a full body harness EN361 is the only device authorized to hold your body in a fall arrest system.

The device or anchoring point should always be correctly positioned. It is recommended that the anchoring point be situated above the user. It should have a minimum strength of 10 kN. Ensure that all elements of the fall arrest system are compatible with each other and no elements' safety functions are affected or compromised by the safety functions of any other elements. The connector may be used in conjunction with any appropriate items of suitable

specification and according to the EN standards, with due consideration to the limitations of each individual piece of equipment.

In accordance with standard EN 362:2004, connectors with manual screw locking are not recommended for jobs requiring them to be opened and closed frequently throughout the working day.

In Accordance with standard EN12275:2013, connectorSs cannot be opened when under load.

The connector must only be loaded along its major axis and only once the gate has been adjusted to the closed position. The connector must not be loaded across its gate. **Warning:** do not exceed loads recommended by the manufacturer and engraved on the products.

Replace connector after a serious (major) fall, even if no defect or damage is visible. The initial resistance of the connector could be seriously decreased.

The connector should not be used for any purpose other than that for which it was designed.

The use of wide straps is prohibited as it reduces the connector's strength.

The use of the connector must be limited to trained people who are fully aware of the dangerous conditions and situations for which the connector is intended. This notice will not Teach you the techniques for work at height or any other associated activity: you must have received qualified instruction before using products. Climbing, and any other activity for which these products may be used, is inherently dangerous. The consequence of incorrect selection, misuse or poor maintenance of equipment could result in damage, serious injury or death. The user must be medically capable to control his own security and any possible emergency situation.

The connector should not be exposed during its use and storage to direct contact with flame or hot objects, with solvents, strong acids and bases. The connector shall survive at the temperature of an ambient air from -40 to +80°C.

During transport the connector should be placed in transport bag, eliminating influence of outside agents like water and dust.

Warning: For safety that equipment is withdrawn from use immediately if

- 1) Any doubt arise about its condition for safe use.
- 2) It have been used to arrest a fall and not used again until confirmed in writing by a competent person that it is acceptable to do so.

Specific training is essential

Only persons who are suitably trained and qualified may use the equipment.

Remember: learning how to use it together with all the related safety techniques and methods of protection at height is your own responsibility. Do not use this equipment if you are not capable.

Ensure that your medical conditions do not affect your safety during normal use of the equipment or in case of emergency. In case of doubt, consult the doctor.

You should have a rescue plan that can be put into action to respond to all emergencies that could arise while the equipment is being used.

Warning

it have been used to arrest a fall and not used again until confirmed in writing by a competent person that it is acceptable to do so

Inspection

Before and after each use, the following checks should be carried out:

- make sure the body, gate and locking sleeve are free of any cracks, corrosion, wearing, deformation, etc.
- check that the gate opens, closes and locks correctly.
- the automatic closure sleeve must function correctly
- check that screw lock sleeves turn smoothly along the entire length of their threads
- check all rivets
- check that all markings are legible

Any product or component showing any defect or wear, or if in doubt, it should be withdraw immediately. Each product in safety system can be damaged during a fall and must be always inspected before used again. Don't continue to use a product after a major fall because a damage may have occurred, even no external signs are visible.

* Periodic inspection must be made at least every 12 months from the date the product is first used by a competent person only in accordance with Nal Hon periodic examination procedures and the result are record in the life sheet of the product. Check the legibility of the product's markings.

Do not repair or modify the equipment. Any modifications to a connector (or assembly with other components) must be approved by the manufacturer.

Fill in and keep with these instructions the following equipment record:

<u>Connector</u>		
Manufacture:	Address:	
Model number:	Year of manufacturer:	
Name of user:	Date of purchase:	
Date of first use:	Supplier traceability:	
Approved on (date) by: Signature	Comments:	Date of next inspection:

Maintenance, servicing and storage

Cleaning: rinse a dirty connector in clean lukewarm water (max 40 °C). Leave it to dry away from direct sources of light and heat.

Lubrication: lubricate moving parts frequently with a silicone based lubricant. Avoid spilling oil onto the fabric parts. This operation must be done after cleaning and drying completely.

Storage: store the equipment unpacked in a cool, dry, dark place, chemically neutral, away from sharp corners, sources of heat, humidity, corrosive substances or other damaging conditions. **Do not store wet.**

Nal Hon Industrial testing:

All our products are individually tested, conforming to quality system procedures ISO 9001: 2015 Standard.

Lifetime

It is difficult to define lifetime for a connector. It depends on the intensity and frequency of use, on the environment where the product is used. Such factors as general wear, corrosion, chemical contamination, mechanical deformation, high impact load, or failure to maintain as recommended will reduce the safe working life. In extreme cases, the lifetime of the product can be reduced to one single use only (e.g. after stopping a fall, after being dropped from a great height, after experiencing extreme temperatures, etc.).

Manufacturer's recommended maximum lifetime is 6 years.

Guarantee

This product is guaranteed for 2 years against any faults in materials or manufacture. Exclusions from the guarantee: any modifications or alterations, improper or incorrect usage, poor maintenance, or incorrect storage.

Signification of marking

- a) type of connector
- b) trade mark of manufacturer
- c) Batch xxxxxx: first 2 digits – the year of manufacture, 3 following digits - batch number
- d) EN 362-2004/X : complies with EN 362, issue 2004, X – class
 - A – anchor connector
 - B – basic connector
 - M – multi-use connector
 - T – termination connector
 - Q – screwlink connector
- e) EN 12275-2013/X: complies with EN 12275, issue 2013, X – type.
 - A: connector for specific type of anchor
 - B: basic connector
 - D: directional connector
 - H: pear shaped connector for «Italian hitch»
 - K: connector intended for via ferrata
 - Q: screwed-closure connector

X: oval shape connector for lower loads

f) $\leftrightarrow$: major axis strength, in kN

$\updownarrow$: minor axis strength, in kN

 : open gate strength, in kN

g)  : read the instructions for use

h) CE: complies with REGULATION (EU) PARLIAMENT

i) 2849: Independent certifying body involved
B.V Beechavenue 54-62 1119 PW Schiphol-I

Notified body no. 2849

Annual INSPECTION MODULE D

INSPEC International B.V

Beechavenue 54-62 1119 PW Schiphol-Rijk

The Netherlands

<https://www.inspec-international.com/>

In case of resale, the connector should be accompanied by these instructions in the language of the destination country.

Manufacturer:

Nal Hon Industrial Co., Ltd.

NO.418 His-hu Rd. Ta-Li City

Taiwan

www.hooks.com.tw

Notified body no. 1019

carried out a EU examination:

VVUU ,a.s., Pikartská 1337.

Ostrava, Czech Republic

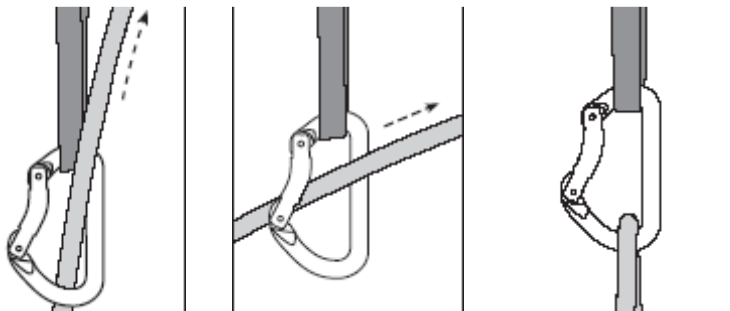
<http://www.vvuu.cz/en/>

EU DECLARATION OF CONFORMITY AVAILABLE 04

[Http://www.hooks.com.tw](http://www.hooks.com.tw)

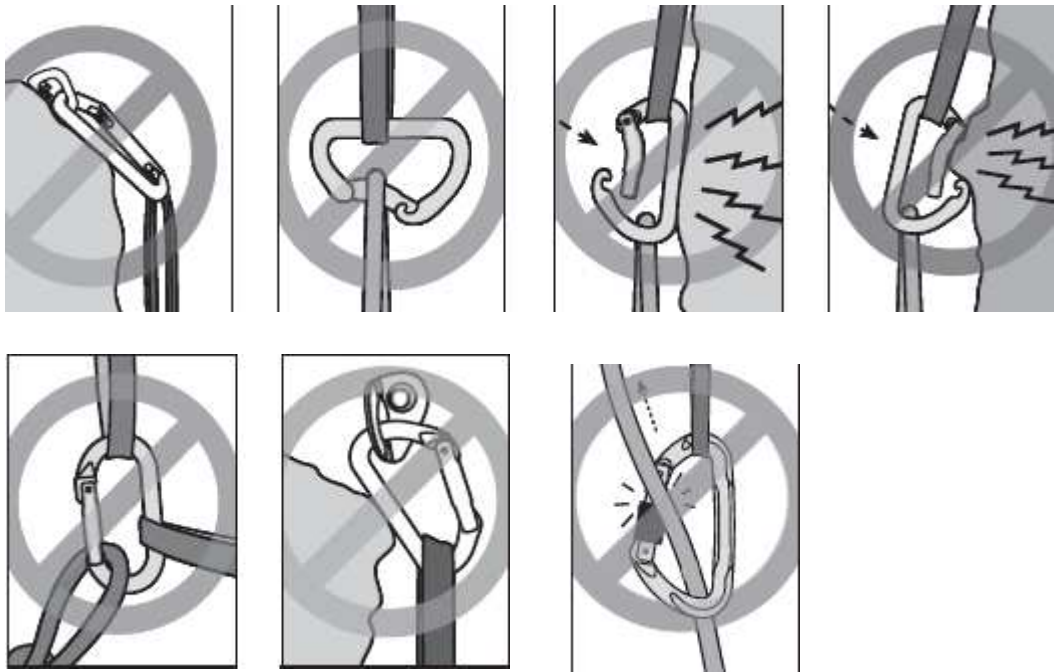
Pictograms

Correct using of the connector





Warning, danger – do not use connector this way!



[illegible]