

**ASAT PPE**  
**Instructions for Use**

These instructions must be read and understood before using this equipment. Please retain this information for future reference.

This product shall only be used by trained and competent persons or under the supervision of such a person.

D-10101	LYS-2010-1.5
According to: CE EN361:2002 GB 6095-2021	LYS-2010-1.8 LYS-2010-2 LYS-2020-1.5 LYS-2020-1.8 LTS-2010-1.5 LTS-2010-1.8 LTS-2020-1.5 LTS-2020-1.8 D-10201 D-10201C D-10202 D-10202C D-10202C Pro D-10202C-LT
D-10201	LYS-2020-1.5
D-10201C	LYS-2020-1.8
D-10202	LTS-2010-1.5
D-10202C	LTS-2010-1.8
D-10202C Pro	LTS-2020-1.5
D-10202C-LT	LTS-2020-1.8
According to: CE EN361:2002 CE EN358:2018 GB 6095-2021	LYD-3010-1.2 LYD-3010-1.5 LYD-3010-1.8 LYD-3010-2 LYD-3020-1.5 LYD-3020-1.8 LYD-3020-2 D-10401 D-10402 D-10403 D-10801 D-10802
D-10401	LYD-3020-1.5
D-10402	LYD-3020-1.8
D-10403	LYD-3020-2
D-10801	LYD-3040-1.5
D-10802	LYD-3040-1.8
According to: CE EN361:2002 CE EN358:2018 CE EN813:2024 GB 6095-2021	LTD-3010-1.5 LTD-3010-1.8 LTD-3010-2 LTD-3020-1.5 LTD-3020-1.8
PR-6010-1.5 PR-6010-1.8 PR-6010-2 PR-6020-1.5 PR-6020-1.8 PR-6020-2	CE EN355:2002 CE EN354:2010 GB 24543-2009 GB 24538-2009
According to: CE EN358:2018	

**Notified Body:**  
Apave Exploitation France SAS (n°0082) - 6 Rue du Général Audran - 92412 COURBEVOIE cedex - France

ASAT®  
EXPERT IN PROTECTION

制造商: 赛卡尔 (北京) 工业技术有限公司 生产工厂: 阿萨特 (廊坊) 高空装备有限公司  
地址: 北京市通州区环科中路17号京东U谷西区26B  
Factory: ASAT (LangFang) Working at Height Equipment Co., Ltd.  
Address: 26B, West Zone, LianDo U Valley, No.17 Huan Ke Zhong Lu, Tong Zhou District, Beijing, P.R. China

**1.Safety precaution**

**Warning**  
Activities involving the use of this equipment are potentially dangerous. User are responsible for their own actions and decisions.

Before using an ASAT harness, it is essential that users are trained in the use of this equipment and that they have read and understood the information given in the manual supplied by ATST.  
The equipment shall only be used by a trained and/or competent person in its safe use or under the direct supervision of such a person.  
The user must be in good physical and psychological health suitable for working at a height. The equipment can only be used for intended applications. Do not use it for any purpose other than that for which it is intended.  
Avoid any contact with sharp edges and rough surfaces.  
Alterations or additions to the equipment must not be made without the manufacturer's prior written consent and any repair shall only be carried out in accordance with manufacturer's procedures.

It is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.  
Work positioning harness connections are not suitable for fall arrest purposes and that it may be necessary to supplement arrangements for work positioning or restraint with collective means (e.g. safety net) or personal means (e.g. fall arrest systems in accordance with EN363) of protection against falls from a height.  
Please observe local laws and occupational safety standards when using the equipment.  
It is essential for safety that equipment is withdrawn from use immediately should 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!

**Rescue plan:**  
A rescue plan shall be in place to deal with any emergencies that could arise when work at a height is started.

**Inspection:**  
**Before each use:**  
Check equipment identification to ensure it is within period of validity.  
Do not use the equipment if its full usage history is unknown or if the inspection record is incomplete.  
Check if the straps seam well; if there is any aging, wear or tear after extreme thermal loading, or in contact with chemicals or sharp edges.

**During each use:**  
Check if the harness is connected safely with other components.  
Other components in the system must be examined as well to ensure safety.  
The equipment can only be used for its intended use, Do not use it for any other purposes.  
Stop using the equipment immediately if there is any doubt about the safety or the equipment during checking.

**Annual inspection:**  
Inspection must be performed according to related standard at least once every 12 months by a competent person, and records must be made for the inspection. The equipment shall not be used if no annual inspection records are available.  
During annual inspection, if there is any doubt about the equipment, a sample fracture loading test must be conducted. If the fracture load is less than 15kN, the equipment must be withdrawn from use.

**System compatibility:**  
Explanation of symbol

	Read instruction
A or Z	Attachment point for fall arrest
W	Attachment point for work positioning
Q	Attachment point for restraint

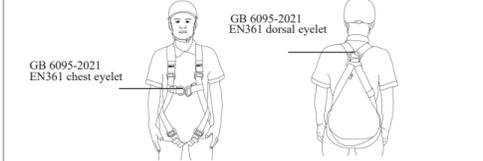
Harness, lanyard, positioning rope and all other components in a system must be compatible, in order to ensure safety of the whole system. Fault of any components will lead to malfunction of the whole system.

**Warning:**  
1) Before each use, the user shall verify the clearance required beneath the user at the worksite to ensure that there is no risk of collision with the ground or any other obstacles in the fall path.  
2) The product shall be discarded as useless when the identification cannot be read within product scraping period.  
3) The harness shall not be modified or replaced without the permission of the manufacturer.

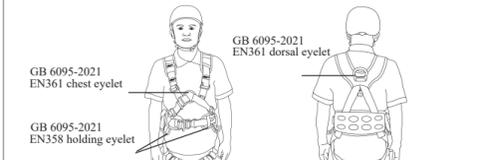
**Anchor point:**  
The anchor point of the system shall preferably be located right above the user, to avoid swing in case of falling.  
The anchor point must meet the requirements of the EN795 standard the minimum strength of the anchor point must be at least 12kN.

**2.Eyelets of harness**  
● GB 6095-2021, EN361 chest and dorsal eyelet (main eyelet): connecting eyelet for fall arrest system and to keep the user out of the area where there is a risk of falling.  
● GB 6095-2021, EN813 ventral eyelet: connecting eyelet for rope access system.  
● GB 6095-2021, EN358 holding eyelet (do not use as main eyelet): to keep the user in the working position and hold the user out of the area where there is a risk of falling.

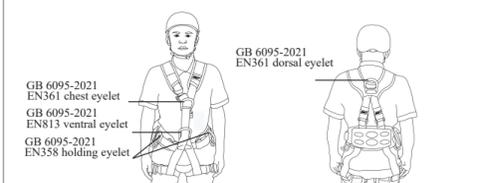
a) Eyelets in accordance with GB 6095-2021, EN361:



b) Eyelets in accordance with GB 6095-2021, EN361 and EN358:



c) Eyelets in accordance with EN813, EN361, EN358 and GB 6095-2021:



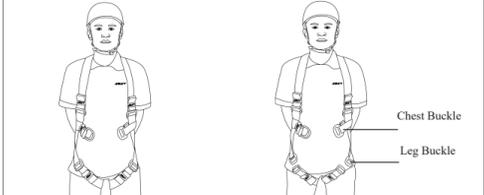
**3.Load indicator**

Some models of ASAT harness are fitted with load indicators.  
Load indicator: a sewn "Z" shape folding in set at a specific location on a primary strap of a harness. If a pull force acting on the primary strap exceeds the limit value, the label with words "Danger! Use prohibited" will be exposed.

During use, if the Load indicator is pulled off by a load, resulting in the label with words "Danger! Use prohibited" exposed, stop to use the harness immediately.  
During static strength test of the harness with Load indicator: if the Load indicator is pulled off, resulting in the label with words "Danger! Use prohibited" exposed but the strength of the primary strap is not affected, the test can be conducted continually in accordance with the relevant standard until the maximum pull force reaches up to 15kN to verify the reliability of the harness.  
Attention! The qualification of the harness should not be verified only by the appearance of the Load indicator. The harness shall be fully inspected against the table of inspection items.

**4.How to put on the harness**

A. Fall arrest harness D-10101  
a) Open the chest and leg buckles, and hold the dorsal eyelet. Put on the harness like a vest.



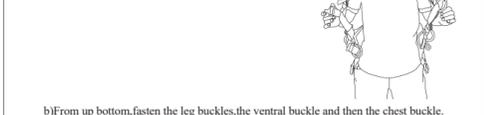
c) From bottom up, adjust the leg belts, the chest belt and the shoulder straps to fit your individual body shape and size.



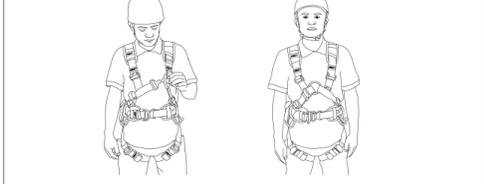
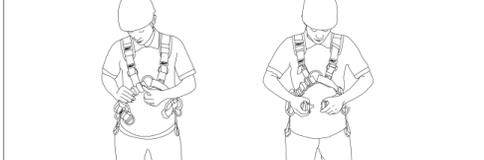
d) Perform suspension test on chest and dorsal eyelets respectively, and check if the harness fits well.



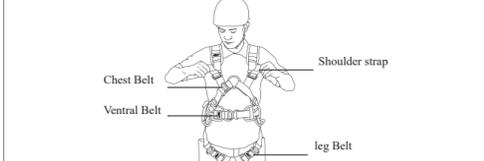
B. Fall arrest and catching harness  
D-10201, D-10201C, D-10202, D-10202C, D-10202C-Prp, D-10202C-LT  
a) Open the chest and leg buckles, and hold the dorsal eyelet. Put on the harness like a vest.



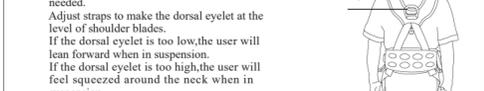
b) From up bottom, fasten the leg buckles, the ventral buckle and then the chest buckle.



c) From bottom up, adjust the leg belt, ventral belt, chest belt, and shoulder straps to fit your individual body shape and size.



d) Adjust the dorsal eyelet:  
This adjustment should be done only once when putting on your harness for the first time. Have another person to help you if needed.  
Adjust straps to make the dorsal eyelet at the level of shoulder blades.  
If the dorsal eyelet is too low, the user will lean forward when in suspension.  
If the dorsal eyelet is too high, the user will feel squeezed around the neck when in suspension.

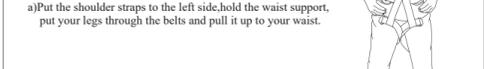


e) Perform suspension test on chest and dorsal eyelets respectively and check if the harness fits well.



C. Seat harness  
D-10401, D-10402, D-10403, D-10801, D-10802

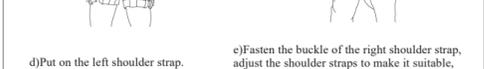
a) Put the shoulder straps to the left side, hold the waist support, put your legs through the belts and pull it up to your waist.



b) Fasten the waist buckle  
Apply to D-10403, D-10801, D-10802



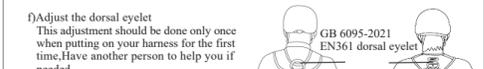
c) Adjust the belt length to make it suitable, and stow the excess belts into strap retainers. Fasten the leg buckles, adjust the leg belt to make it suitable, and stow the excess belts into strap retainers.



d) Put on the left shoulder strap.



e) Fasten the buckle of the right shoulder strap, adjust the shoulder straps to make it suitable, and stow the excess straps into strap retainers.



f) Adjust the dorsal eyelet:  
This adjustment should be done only once when putting on your harness for the first time. Have another person to help you if needed.  
Adjust straps to make the dorsal eyelet at the level of shoulder blades.  
If the dorsal eyelet is too low, the user will lean forward when in suspension.  
If the dorsal eyelet is too high, the user will feel squeezed around the neck when in suspension.



**5.Lanyard**

A. Lanyard: a component in personal protection system, through which the user is connected to a safe anchor point via the eyelet of the harness.  
The length of the whole Lanyard can not exceed 2 meters. The falling height can not exceed 4 meters. The impact force acting on the user can not exceed 6kN.  
The user should minimize the amount of slack in the lanyard near a fall hazard.  
The lanyard must not be used choke hitched.  
Two separate lanyards each with an energy absorber should not be used side by side.  
The free tail of a twin tail lanyard combined with energy absorber should not be clipped back on the harness.

B. Lanyard parts are shown as below

a) Lanyard with single leg:  
LYS-2010-1.5, LYS-2010-1.8, LYS-2010-2, LYS-2020-1.5, LYS-2020-1.8, LYS-2020-2, LTS-2010-1.5, LTS-2010-1.8, LTS-2020-1.5, LTS-2020-1.8



b) Lanyard with double legs:  
LYD-3010-1.2, LYD-3010-1.5, LYD-3010-1.8, LYD-3010-2, LYD-3020-1.5, LYD-3020-1.8, LYD-3020-2, LYD-3040-1.5, LYD-3040-1.8, LTD-3010-1.5, LTD-3010-1.8, LTD-3020-1.5, LTD-3020-1.8



a) Carabiner to eyelet of harness  
b) Energy absorber  
c) Connecting rope  
d) Carabiner to safety point  
e) Elasticated arm



a) Carabiner to eyelet of harness conforming to GB 6095-2021, EN361



b) Connect to eyelet of harness conforming to GB 6095-2021, EN361



C. How to use the Lanyard with harness:  
Lanyard must be connected to the eyelet of harness conforming to GB 6095-2021, EN361 to ensure the safety of the user.



Connect to eyelet of harness conforming to GB 6095-2021, EN361



Connect to eyelet of harness conforming to GB 6095-2021, EN361



Connect to eyelet of harness conforming to GB 6095-2021, EN361



D. Clearance: minimum required distance to avoid the user hitting the ground in case of falling.  
The tearing-open distance of the Lanyard must be considered when calculating the clearance, to avoid the user hitting the ground directly.



**6.Work positioning rope**

PR-6010-1.5, PR-6010-1.8, PR-6010-2, PR-6020-1.5, PR-6020-1.8, PR-6020-2  
To be used with the harness conforming to GB 6095-2021, EN358, the work positioning rope holds the user in working position through symmetrical waist eyelets so that the user can work with both hands.  
The strength of the location used for fixing on the work positioning rope is greater than 10kN. Press the button at the end of the restraint lock to unlock. The unlocked restraint lock can slide freely on the lanyard to adjust the fixing position, which will adjust the length of the work positioning lanyard.  
Connected one end to a harness conforming to GB 6095-2021, EN361 and the other end to an anchor point, the work positioning rope can be used as an adjustable safety lanyard.

Hanging metal hook  
Limiting lock  
Connecting rope



**7.Cleaning**

Clean the equipment with lukewarm water (maximum temperature 40°C) and mild soap. Then rinse it with clear water thoroughly.  
Let the equipment dry in a well ventilated and shaded place, not with a dryer or in the sun.

**8.Service life**

All personal protective equipments are consumables.  
Upon proper use and maintenance:  
● The validity period of the harness is 5 years.  
● The validity period of the energy absorber is 5 years.  
● The validity period of the rope is 6 years.  
● Service life is indefinite for metallic parts.  
If the device is exposed to severe operating conditions, such as marine environment, extreme temperature, sediment environment, chemical reagents, sharp and rough edges, etc., the service life will be significantly shortened.  
The device shall be discarded after arresting a fall.

**9.Obsolescence**

Immediately withdraw the equipment from use upon the following:  
● After falling down accident happened.  
● It was determined that the equipment shall not be used after checking.  
● The record is unclear or incomplete.  
● Any doubt about the status and safety of the equipment.  
● Destroy obsolete equipment to prevent any misuse.  
● The product had exceeded its validity period.

**10.Storage and transportation**

The container for storage and transportation should always be protected against the sunlight, humidity and chemicals.  
Store the equipments at room temperature.

**11.Equipment Record**

EQUIPMENT RECORD				
Product:				
Model & type/identification	Trade name	Identification number		
Manufacturer	Address	Contact information		
Year of manufacture/	Purchase date	Date first put into use		
PERIODIC EXAMINATION AND REPAIR HISTORY				
Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date