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ABOUT US

HOATER is an enterprise which is specializing in the research, development, manufacture and sale of high-quality, special-purpose personal protective equipment. With more than thirteen years of experience in the production of safety harness and ropes, HOATER is engaged in safety protection for working at heights, rope work, outdoor rescue, mountaineering equipment and other fields has become an industry leader.

Through continuous functional innovation of various products, it is HOATER's primary goal to continuously provide customers with a complete set of product solutions that are safer, more reliable and more durable. HOATER's range of personal safety products has been specifically designed to ensure reliable protection and comfort in high or inaccessible areas.

In order to provide high-quality product experience and solutions, strict requirements for technology and quality have always been the core focus of HOATER; 200+ international CE product certifications, 12 international mountaineering association UIAA certifications, and 5 domestic invention patents, in 2021 has been awarded the "National High-tech Enterprise", these are our commitments to customers and users. HOATER's professional knowledge is based on long-term practical experience. After continuous technological innovation and testing, you can believe that:

HOATER=high-precision production process=personal protective rope has innovatively solved key technologies such as skin-core sliding, wear-resisting, and waterproofing for users;

HOATER aims to provide global customers with high-security products and high-standard services. Ensuring the safety, functionality and usability of each product is our greatest goal, which is inseparable from European technical standards, product certification and quality management systems.

HOATER continues to expand its research and development team, enhance its technical strength, vertically integrate its production capacity, and strictly implement the testing requirements beyond international standards as its core. Since 2010, we have manufactured a full range of professional equipment for working at heights and rescue, including fall arrest and general personal protective equipment (PPE), our product includes helmets, harnesses, lanyards, ropes, fall arrester, tripods, rescue rappelling equipment, anchor points and slings, ascenders, descenders, pulleys, connectors, rescue stretchers. Through it all, our commitment to quality will always be our responsibility.

HOATER innovation: All products are designed for specific solutions and technologies (eg ropes, fall arresters, etc.)
 HOATER design: Designing outstanding products is our goal



OUR PRODUCTION AND TEST EQUIPMENT



CREEL



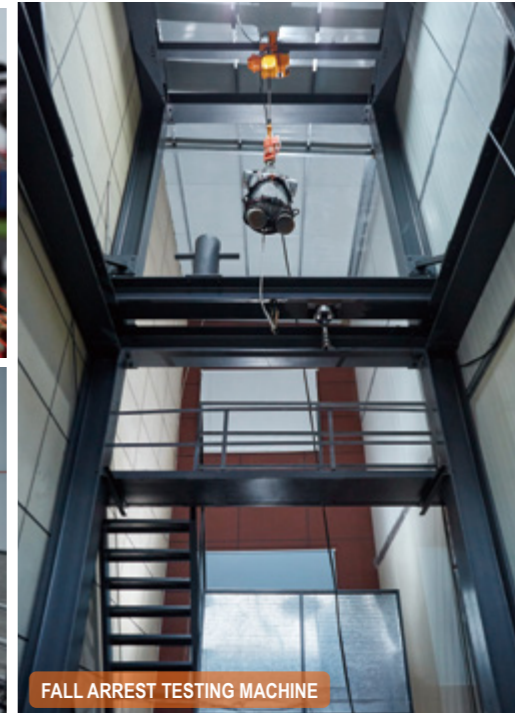
WEBBING MAKING MACHINE



PROOF LOAD TESTING MACHINE



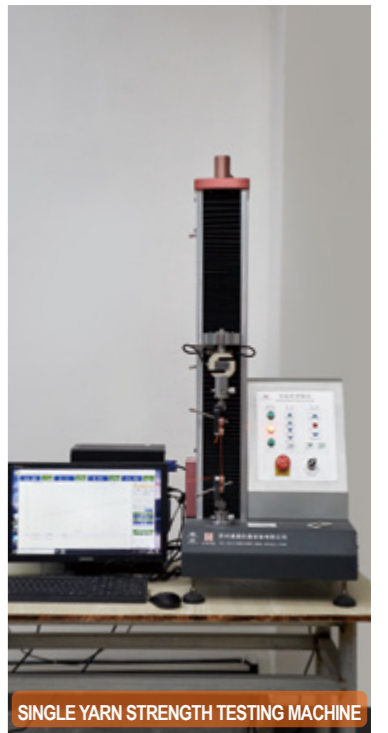
KERNMANTLE ROPE MACHINE



FALL ARREST TESTING MACHINE



AUTOMATIC WEBBING CUTTING MACHINE



SINGLE YARN STRENGTH TESTING MACHINE



BROTHER SEWING MACHINE



SALT SPRAY TESTING MACHINE

COMPANY VISION

Security for Verticals

COMPANY MISSION

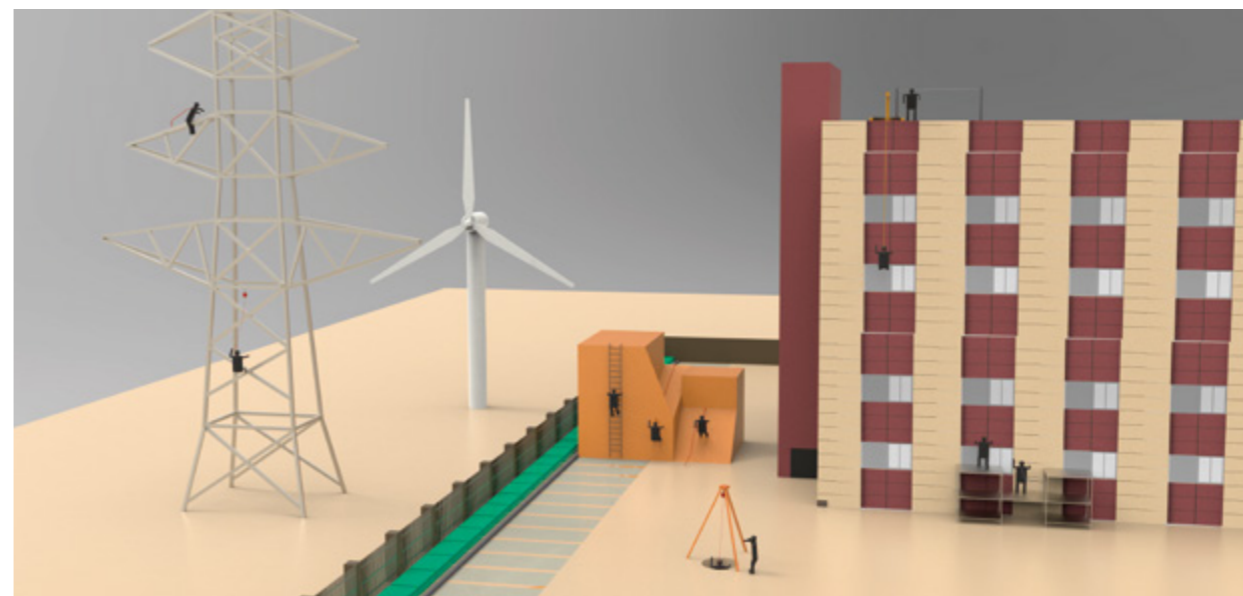
HOATER Rope technology equipment is a “professional partner in the vertical field”, providing reliable, safe and high-quality technical equipment.

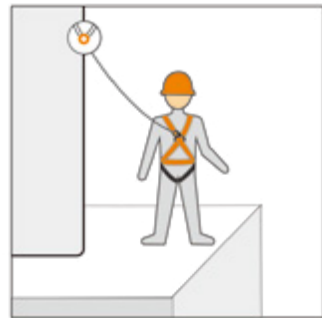
COMPANY PHILOSOPHY

The brand adopts high-quality raw materials, insists on building factories and manufacturing, and provides vertical control for vertical operation, climbing, rope and equipment to ensure safety and quality.



EN361	Personal protective equipment against falls from a height-Full body harness.
EN362	Personal protective equipment against falls from a height-Connectors.
EN358	Personal protective equipment for work positioning and prevention of falls from a height- Belts for work positioning and restraint and work positioning lanyards.
EN813	Personal fall protection equipments-sit harness.
EN355	Personal protective equipment against falls from a height-Energy absorbers.
EN354	Personal protective equipment against falls from a height-lanyards.
EN360	Personal protective equipment against falls from a height-Retractable type fall arresters.
EN353-2	Personal protective equipment against falls from a height-Part2:Guided type fall arresters including a flexible anchor line.
EN795	Personal fall protection equipment-Anchor devices.
EN1891	Personal protective equipment for the prevention of falls from a height -Low stretch kernmantel ropes.
EN892	Mountaineering equipment -Dynamic mountaineering ropes-Safety requirements and test methods.
EN564	Mountaineering equipment-Accessory cords.
EN12841	Personal fall protection equipment-Rope access systems-Rope adjustment devices.
EN12278	Mountaineering equipment-Pulleys-Safety requirements and test methods.
EN567	Climbing equipment and rope grabber.
EN1496	Fall protection PPE and rescue lifting equipment.
EN15151	Climbing equipment and brake device.
EN397	Industrial safety helmet.





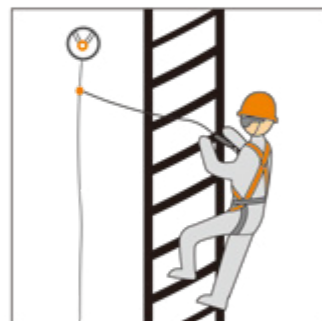
Restraint System

A restraint system prevents a worker from reaching areas where there is a risk of falls. It's not intended to absorb falls.



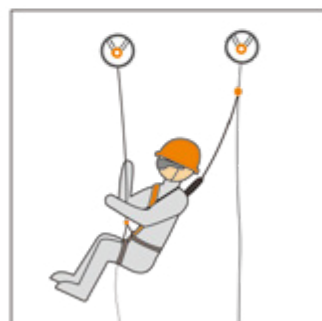
Work Position System

The work position systems are intended for work positioning or for restraint to prevent the operator from reaching hazardous areas.



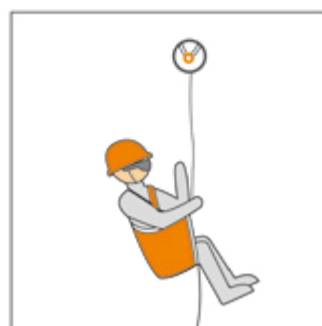
Fall Arrest Systems

A fall arrest system is intended to reduce the impact force on the user in case of fall. It's made of an anchor point, a full body harness and a connecting fall arrest sub system.



Rope access systems

Rope access systems allow the user by leaning into the system or hanging in the system to get to the work position and therefore determine that a free fall is prevented or delayed.



Rescue system

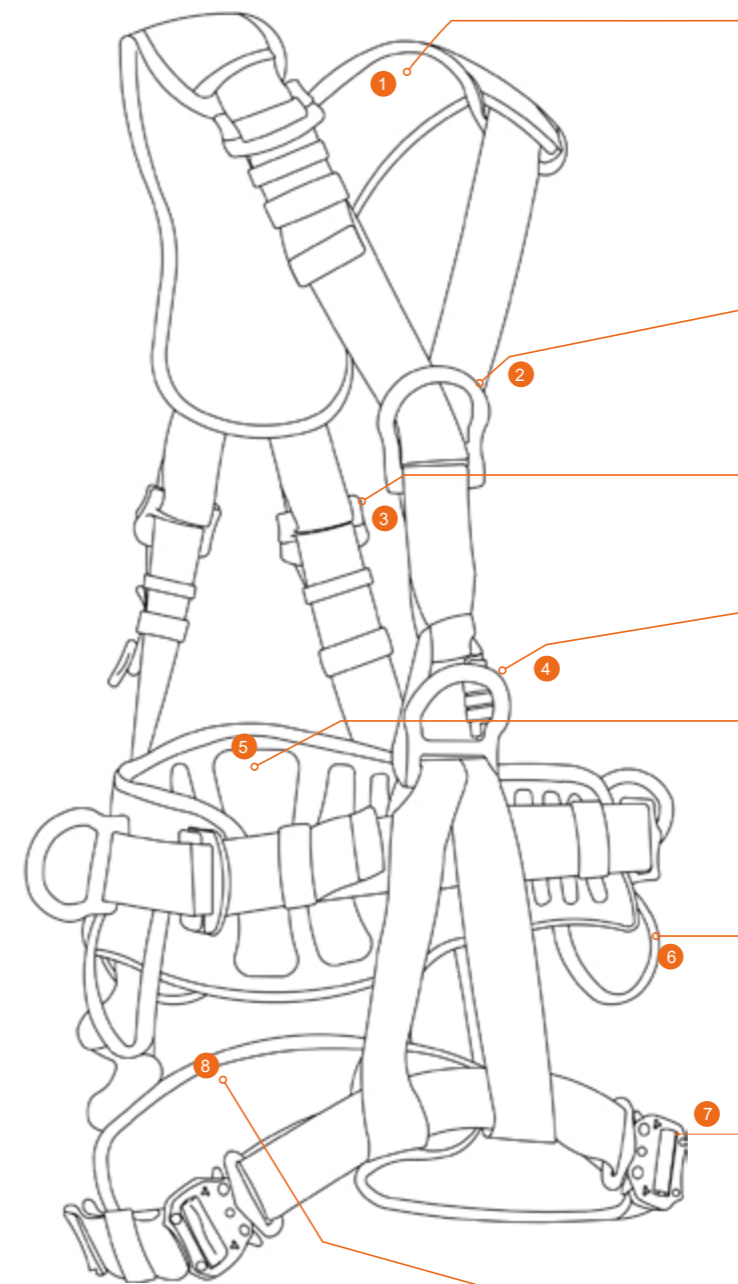
A rescue system is intended for self-rescue or to rescue an operator in case of a fall.

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FALL ARREST AND WORK POSITIONING AND SIT HARNESS



1 SUPER COMFORTABLE EVA MATERIAL SHOULDER PADDING PROVIDES MAXIMUM COMFORT WHEN WORKING AT HEIGHT.

2 THE CHEST D-RING IS AN ATTACHMENT POINT FOR FALL ARREST ACCORDING TO EN361.

3 ADJUSTING BUCKLE COULD MOVE THE WEBBING TO THE MOST SUITABLE SIZE FOR EACH USER.

4 THE D-RING IS AN ATTACHMENT POINT FOR FALL PROTECTIVE ACCORDING TO EN813.

5 SUPER COMFORTABLE EVA MATERIAL WIDE WAIST BELT PADDING PROVIDES MAXIMUM COMFORT WHEN WORKING AT HEIGHT.

6 TOOL LOOPS IN WAIST POSITION BELT MADE OF POLYESTER, TO BE USED WITH HAND TOOLS OF MAX WEIGHT 2 KG PER LOOP.

7 AUTOMATIC BUCKLES ON THE LEGS LOOPS MAKE THE HARNESS QUICK AND EASY TO PUT ON AND TAKE OFF.

8 SUPER COMFORTABLE EVA MATERIAL LEG BELT PADDING PROVIDES MAXIMUM COMFORT WHEN WORKING AT HEIGHT.





HT-331QR



HT-331QY



HT-331Y



HT-331



HT-327Y



HT-328Y



HT-330Y



HT-351



HT-351QR



HT-352



HT-352QR



HT-353



HT-353QR



HT-355



HT-355QR



HT-333



HT-333QR



HT-335

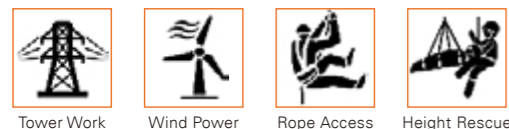




FEATURES

- Full body safety harness with 2 fall attachment points: 1 front aluminum D-ring and 1 back aluminum D-ring according to EN361, 2 side aluminum D-rings for working position according to EN358, and 1 ventral aluminum D-ring according to EN358 and EN813;
- Full body safety harness with 6 steel adjustable buttons, 3 aluminum quick-insert structure, easy to wear, fast;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;
- The leg belt adopts aluminum quick-insert structure, convenient and fast to wear;

REF.	Size	Legs cm	Waist cm	Height cm	Max Load	CE		
						EN 358	EN 361	EN 813
HT-331QR	M-L	45-65	70-110	170-185	140kg	✓	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓	✓



FEATURES

- Full body safety harness with 2 fall attachment points: 1 front aluminum D-ring and 1 back aluminum D-ring according to EN361, 2 side aluminum D-rings for working position according to EN358, and 1 ventral aluminum D-ring according to EN358 and EN813;
- Full body safety harness with 8 steel adjustable buttons, 1 aluminum quick-insert structure, easy to wear, fast;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;

REF.	Size	Legs cm	Waist cm	Height cm	Max Load	CE		
						EN 358	EN 361	EN 813
HT-331QY	M-L	45-65	70-110	170-185	140kg	✓	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓	✓





FEATURES

- Full body safety harness with 2 fall attachment points, 1 front aluminum D-ring and 1 back aluminum D-ring according to EN361, 2 side aluminum D-rings for working position according to EN358, and 1 ventral aluminum D-ring according to EN358 and EN813;
- Full body safety harness with 7 steel adjustable buttons, 2 aluminum quick-insert structure;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;
- The leg belt adopts aluminum quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE		
		cm	cm	cm		EN 358	EN 361	EN 813
HT-331Y	M-L	45-65	70-110	170-185	140kg	✓	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓	✓



FEATURES

- Full body safety harness with 2 fall attachment points, 1 front aluminum D-ring and 1 back aluminum D-ring according to EN361, 2 side aluminum D-rings for working position according to EN358, and 1 ventral aluminum D-ring according to EN358 and EN813;
- Full body safety harness with 9 steel adjustable buttons,
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;

REF.	Size	Legs	Waist	Height	Max Load	CE		
		cm	cm	cm		EN 358	EN 361	EN 813
HT-331	M-L	45-65	70-110	170-185	140kg	✓	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓	✓



NEW



FEATURES

- Full body safety harness with 2 attachment points for fall protection :1 chest steel D-ring and 1 back steel D-ring according to EN361,2 side steel D-ring working position according to EN358, 2 sides steel D-ring according to EN813.
- Full body safety harness has 7 steel adjustable buckles and 2 steel oval ring and an aluminum hook.
- EVA waistband, shoulder pad and leg pad provide comfort when working at high altitude.
- Open the ventral lock and the back steel buckle, and remove the shoulder strap to make the seat. 4 tool rings in the waist position, made of polyester, each ring has a maximum load capacity of 2kg.

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-327Y	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



Tower Work



Wind Power



Rope Access



Height Rescue

NEW



FEATURES

- Full body safety harness with 2 fall attachment points: 1 chest steel D-ring and 1 back steel D-ring according to EN361, 2 side steel D-rings for working position according to EN358, and 1 ventral steel D-ring according to EN358 and EN813;
- Full body safety harness with 7 steel adjustable buckle and 2 steel oval ring.
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;
- The leg belt adopts steel quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-328Y	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



Tower Work



Wind Power



Rope Access



Height Rescue

NEW



FEATURES

- Full body safety harness with 2 fall attachment points: 2 chest textile rings, 1 back aluminum D-ring according to EN361, and 2 side aluminum D-rings for working position according to EN358;
- Full body safety harness with 5 adjustable buckles and 4 aluminium quick insert structure;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2 kg;
- The chest belt, belt and leg belt are made of aluminum quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-330YL	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361 and 2 side aluminum D-rings for working position according to EN358;
- Full body safety harness with 6 adjustable buttons, 4 aluminum quick-inserts;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 2 polyester belt tool rings, each ring bearing a maximum of 2kg;
- Chest belt, belt, leg belt with aluminum quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-351	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361 and 2 side aluminum D-rings for working position according to EN358;
- Full body safety harness with 6 adjustable buttons, 4 steel quick-insert;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 2 polyester belt tool rings, each ring bearing a maximum of 2kg;
- Chest belt, belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-351QR	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361;
- Full body safety harness with 4 adjustable buttons, 3 aluminum quick-insert;
- Ultra-comfortable EVA material shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- Chest belt, leg belt with aluminum quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-352	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361;
- Full body safety harness with 4 adjustable buttons, 3 aluminum quick-insert;
- Ultra-comfortable EVA material shoulder liner, all of which are made of air vent technology to improve the comfort of hanging;
- Chest belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-353	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361;
- Full body safety harness with 4 adjustable buttons, 3 steel quick-insert;
- Ultra-comfortable EVA material shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- Chest belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-352QR	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361;
- Full body safety harness with 4 adjustable buttons, 3 steel quick-insert;
- Ultra-comfortable EVA material shoulder liner, all of which are made of air vent technology to improve the comfort of hanging;
- Chest belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-353QR	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361, 2 side steel D-rings for working position according to EN358.
- Full body safety harness with 6 adjustable buttons.
- Ultra-comfortable EVA material waist liner, which are made of air vent technology to improve the comfort of hanging.
- 2 polyester belt tool rings, each ring bearing a maximum of 2kg.

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-356QR	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361, 2 side steel D-rings for working position according to EN358.
- Full body safety harness with 6 adjustable buttons.
- Ultra-comfortable EVA material waist liner, which are made of air vent technology to improve the comfort of hanging.
- 2 polyester belt tool rings, each ring bearing a maximum of 2kg.
- Chest belt, belt, leg belt with steel quick insert structure, easy to wear, fast.

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-356	M-L	45-65	70-110	170-185	140kg
	XL-XXL	60-75	80-130	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361.
- Full body safety harness with 5 adjustable buttons.

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-355QR	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	



NEW



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 aluminum D-ring on the back and 2 textile rings on the chest in accordance with EN361.
- Full body safety harness with 5 adjustable buttons.

REF.	Size	Legs	Waist	Height	Max Load
		cm	cm	cm	
HT-355	M-L	45-65	/	170-185	140kg
	XL-XXL	60-75	/	180-195	





FEATURES

- Full body safety harness with 2 fall attachment points: 1 front aluminum ring, 1 back aluminum D-ring, 2 side aluminum D-rings for working position according to EN358;
- Full body safety harness with 2 adjustable buttons, 4 aluminum quick-insert structure;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;
- The chest belt, belt and leg belt are made of aluminum quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-333	M-L	45-65	70-110	170-185	140kg	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓



Tower Work Wind Power Construction Confined Space Roof Work



FEATURES

- Full body safety harness with 2 fall attachment points: 1 front aluminum ring, 1 back aluminum D-ring, 2 side aluminum D-rings for working position according to EN358;
- Full body safety harness with 2 adjustable buttons, 4 steel quick-insert;
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 4 polyester belt tool rings, each ring bearing a maximum of 2kg;
- Chest belt, belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-333QR	M-L	45-65	70-110	170-185	140kg	✓	✓
	XL-XXL	60-75	80-130	180-195		✓	✓



Tower Work Wind Power Construction Confined Space Roof Work





FEATURES

- Full body safety harness with 2 fall attachment points: 1 back aluminum D-ring, 1 chest aluminum ring;
- Full body safety harness with 2 adjustable buttons, 3 aluminum quick-insert structures;
- Super comfortable EVA shoulder pad, all pads are made of air vent technology, improve the comfort of suspension;
- The leg belt and chest belt are made of aluminum quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE
		cm	cm	cm		EN 361
HT-335	M-L	45-65	70-110	170-185	140kg	✓
	XL-XXL	60-75	80-130	180-195		✓



FEATURES

- Full body safety harness with 2 fall attachment points: 1 back aluminum D-ring, 1 chest aluminum ring;
- Full body safety harness with 2 adjustable buttons, 3 steel quick-insert;
- Super comfortable EVA shoulder pad, all pads are made of air vent technology, improve the comfort of suspension;
- Leg belt, chest belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load	CE
		cm	cm	cm		EN 361
HT-335QR	M-L	45-65	70-110	170-185	140kg	✓
	XL-XXL	60-75	80-130	180-195		✓





HT-721
Work Position Seat

- Intended for use with our fall arrest or work positioning harnesses, inside padding is made of aluminium which allows long term use without any deformation,
- Wider sitting area ensure good stability and allows comfortable suspension as well as standing at work positioning,
- 2 D-rings (bearing capacity 50kg) for bucket or other gear suspension.



HT-731
Triangle Rescue Belt

- Universal triangle rescue belt, with 5 sets of adjustment points in different positions;
- Equipped with a shoulder strap, which can be worn quickly;
- Used for all kinds of rescue, convenient and quick;



HT-718L
Pedal rope (double hole)

- It is woven with high-strength Dyneema fiber, which is light and durable;
- The rope diameter is 6mm, and the rope core has zero slip;
- The stainless steel buckle can quickly adjust the length to ensure that the foot is always in the ring;
- It can be used to ascend with the hand-type ascending device;
- Used for high-altitude operations such as SRT, rescue, mountaineering, and rock climbing;



HT-719
Five step aider

- The 5-step aid adopts the classic staggered triangular step structure.
- Step stiffeners ensure that the steps are always open



HT-718
Pedal rope (double hole)

- It is woven with high-strength nylon fiber;
- The buckle can quickly adjust the length to ensure that the foot is always in the loop;
- It can be used to ascend with the hand-type ascending device;
- Used for high-altitude operations such as SRT, rescue, mountaineering, and rock climbing



HT-719Y
Shoulder straps

- Aluminum adjustment buckle, fast adjustment, rust-proof and durable;
- High-strength webbing, with good comfort and high strength;
- Shoulder strap for fixing chest ascender, suitable for SRT safety belt connection;





FALL ARREST AND WORK POSITIONING AND SIT HARNESS



HT-316QR



HT-316Y



HT-316T



HT-321



HT-319



HT-318



HT-315



HT-336



HT-311





Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 back steel D-ring, 2 chest textile rings, 2 side steel D-rings for working position according to EN358
- Full body safety harness with 6 steel adjustable buttons
- Ultra-comfortable EVA material waist liner, shoulder liner and leg liner, all of which are made of air vent technology to improve the comfort of hanging;
- 2 polyester belt tool rings, each ring bearing a maximum of 2 kg;
- Chest belt, belt, leg belt with steel quick insert structure, easy to wear, fast;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-316QR	UNI SIZE	45-65	70-95	170-185	100kg	✓	✓



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 steel D-ring on the back and 2 textile rings on the chest;
- Full body safety harness with 5 steel adjustable buttons;
- Super comfortable EVA shoulder pad, all pads are made of air vent technology, improve the comfort of suspension;
- The chest belt and leg belt are made of steel quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-316T	UNI SIZE	45-65	/	170-185	100kg	✓	✓



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 steel D-ring on the back and 2 textile rings on the chest
- Full body safety harness with 5 steel adjustable buttons
- Super comfortable EVA shoulder pads and leg pads, all of which are made of air holes to improve the comfort of suspension;
- The chest belt and leg belt are made of steel quick-insert structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-316Y	UNI SIZE	45-65	/	170-185	100kg	✓	✓



Fall arrest and work positioning harness

- Full body safety harness with 2 fall attachment points: 1 back steel D-ring, 2 chest textile rings, 2 side steel D-rings for working position according to EN358
- Full body safety harness with 6 steel adjustable buttons;
- Super comfortable EVA material waist liner, all liners are made of air vent technology, improve the comfort of hanging;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-321	UNI SIZE	45-65	70-95	170-185	100kg	✓	✓





Fall arrest and work positioning harness

- Full body safety harness with 2 fall attachment points: 1 back steel D-ring, 2 side steel D-rings for working position according to EN358;
- Full body safety harness with 6 steel adjustable buttons;
- Super comfortable EVA material waist liner, all liners are made of air vent technology, improve the comfort of hanging;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-320	UNI SIZE	45-65	70-95	170-185	100kg	✓	✓



Fall Arrest Harness

- Full body safety harness with 1 fall attachment points: 1 back steel D-ring;
- Full body safety harness with 5 steel adjustable buttons;
- The chest belt and leg belt are made of steel adjustable buckle structure, convenient and fast to wear;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-318	UNI SIZE	45-65	/	170-185	100kg	✓	✓



Fall arrest and work positioning harness

- Full body safety harness with 2 fall attachment points: 1 back steel D-ring, 2 side steel D-rings for working position according to EN358;
- Full body safety harness with 4 steel adjustable buttons;
- Super comfortable EVA material waist liner, all liners are made of air vent technology, improve the comfort of hanging;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-319	UNI SIZE	45-65	70-95	170-185	100kg	✓	✓



Fall Arrest Harness

- Full body safety harness with 2 fall attachment points: 1 back steel D-ring and 2 textile rings on the chest;
- Full body safety harness with 5 steel adjustable buttons;

REF.	Size	Legs	Waist	Height	Max Load	CE	
		cm	cm	cm		EN 358	EN 361
HT-315	UNI SIZE	45-65	/	170-185	100kg	✓	✓





Fall Arrest Harness

- Full body safety harness with 1 anti-fall connection point: 1 back steel D-ring;
- Full body safety harness with 5 adjustable buttons;

REF.	Size	Legs	Waist	Height	Max Load	CE EN361
		cm	cm	cm		
HT-336	UNI SIZE	45-65	/	170-185	100kg	✓



Fall Arrest Harness

- Full body safety harness with 1 anti-fall connection point: 1 back steel D-ring;
- Full body safety harness with 3 adjustable buttons;

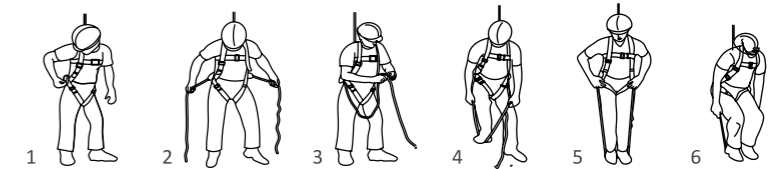
REF.	Size	Legs	Waist	Height	Max Load	CE EN361
		cm	cm	cm		
HT-311	UNI SIZE	45-65	/	170-185	100kg	✓



**HT-720
Trauma Relief Strap**

Specially designed to help relieve the negative effects of suspension trauma, easy to attach to the harness with the help of the textile loop, allows the suspended worker to stand up in his harness to relieve pressure.

Step to use trauma relief strap



**HT-725
Tool Lanyard**

- Combined with medium and high strength hook and elastic rope, it is light and easy to carry;
- Stretching length: 62-100cm;
- Maximum load: 7kg;



**HT-723
Tool Lanyard**

- Combined with medium and high strength hook and elastic rope, it is light and easy to carry;
- Stretching length: 62-100cm;
- Maximum load: 7kg;



**HT-722
Tool Lanyard**

- Combined with medium and high strength hook and elastic rope, it is light and easy to carry;
- Stretching length: 78-115cm;
- Maximum load: 7kg;



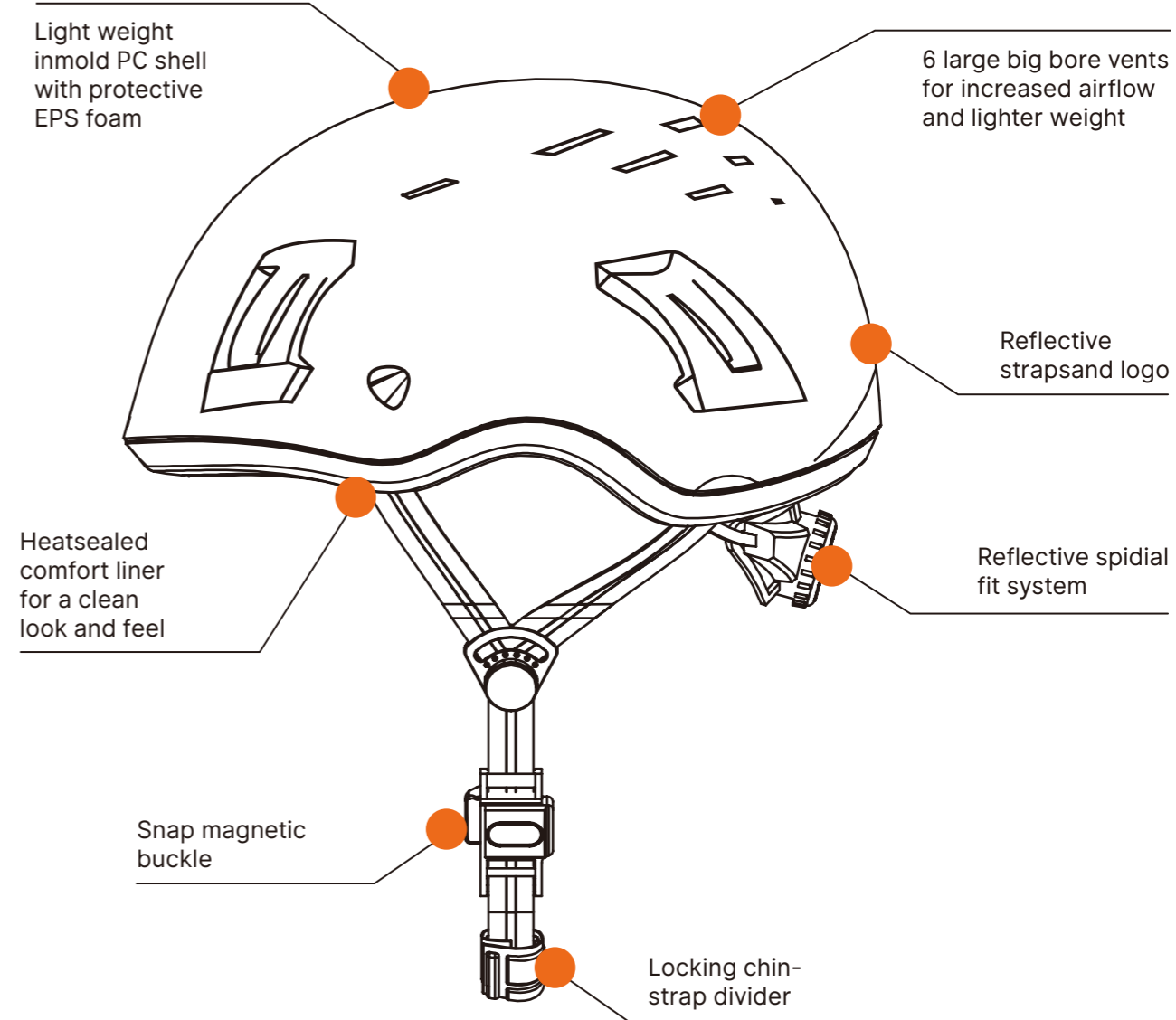
**HT-722Y
Tool Lanyard**

- Combined with medium and high strength hook and elastic rope, it is light and easy to carry;
- Stretching length: 78-115cm;
- Maximum load: 7kg;

HELMET



HELMET



Multifunctional Helmet



HT-18601

- This helmet is a protective helmet for high-altitude work, used for high-altitude work, underground work and rescue, the helmet's ventilation is suitable for heavy physical work. It is mainly used to protect the wearer from the direct impact of falling objects.
 - With 17 ventilation holes, you can provide excellent air permeability and comfort to the head;
 - The inner lining is made of EPP (foamed polypropylene) and EPS (foamed polystyrene) material;
 - Adjustable jaw strap, allowing self-adjustment of strength, ideal for working high and on the ground;
 - This multifunctional helmet has the following features: (1) side fixation system goggles (2) Headlights with elastic headwear (3) hearing protection;
 - The size is suitable for people with head circumference of 54-60cm;
 - The lower jaw strap of the helmet can withstand at least 50kg of tension, which is suitable for situations where the risk of helmet falling is higher than the risk of suffocation
 - Fully adjustable headband, adjust the length of the lower jaw band through the adjustment buckle on both sides and rear
 - Four headlight fasteners can fit any headlight on the market
 - The helmet can be used at temperatures between -10 °C and 30 °C
 - The universal 30mm attachment slot is compatible with most face masks and hearing protection on the market
 - With reflective stickers
- Meet ventilation requirements in accordance with EN12492 to ensure better ventilation for staff and staff in a warm environment.



HT-18603



HT-18604



HT-18605



HT-18602



Ref.	Size	Weight	Color	CE
HT-18601	54-60cm	435g	White	EN12492
HT-18602			Black	
HT-18603			Orange	
HT-18604			Blue	
HT-18605			Yellow	

Multifunctional Helmet



HT-19603

- This helmet is a protective helmet for high-altitude work, used for high-altitude work, underground work and rescue, the helmet's ventilation is suitable for heavy physical work. It is mainly used to protect the wearer from the direct impact of falling objects.
 - With 10 ventilation holes, you can provide excellent air permeability and comfort to the head;
 - The inner lining is made of EPP (foamed polypropylene) and EPS (foamed polystyrene) material;
 - Adjustable jaw strap, allowing self-adjustment of strength, ideal for working high and on the ground;
 - This multifunctional helmet has the following features: (1) side fixation system goggles (2) Headlights with elastic headwear (3) hearing protection;
 - The size is suitable for people with head circumference of 51-62cm;
 - The lower jaw strap of the helmet can withstand at least 50kg of tension, which is suitable for situations where the risk of helmet falling is higher than the risk of suffocation
 - Fully adjustable headband, adjust the length of the lower jaw band through the adjustment buckle on both sides and rear
 - Four headlight fasteners can fit any headlight on the market
 - The helmet can be used at temperatures between -10 °C and 30 °C
 - The universal 30mm attachment slot is compatible with most face masks and hearing protection on the market
 - With reflective stickers
- Meet ventilation requirements in accordance with EN12492 to ensure better ventilation for staff and staff in a warm environment.



HT-19601



HT-19602



HT-19605

Ref.	Size	Weight	Color	CE
HT-19601	51-62cm	410g	White	EN12492
HT-19602			Orange	
HT-19603			Green	
HT-19604			Blue	
HT-19605			Black	



Visor HT-18710

- Eye mask protects eyes from splashing;
- This eye mask is easy to install; Use with helmet;
- Transparent color with anti-wear and anti-fog treatment;
- Tip: This eye mask has no anti-fog function.
- Strong eye mask construction is made of 2.25mm thick and 100mm high material
- The surface of the transparent lens adopts an anti-scratch film to ensure excellent optical effect
- There are two stable fixed positions



Visor HT-18711

- Eye mask protects eyes from splashing;
- This eye mask is easy to install; Use with helmet;
- Transparent color with anti-wear and anti-fog treatment;
- Tip: This eye mask has no anti-fog function.
- Strong eye mask construction is made of 2.25mm thick and 100mm high material
- The surface of the transparent lens adopts an anti-scratch film to ensure excellent optical effect
- There are two stable fixed positions

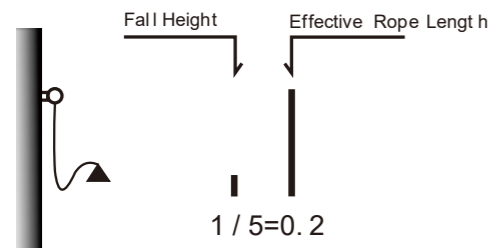
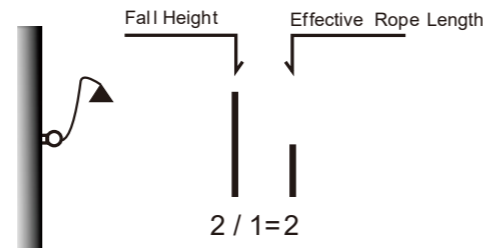
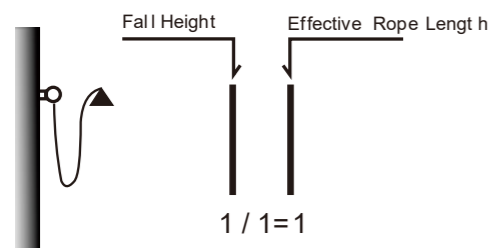


Anti-fall system for high-hanging

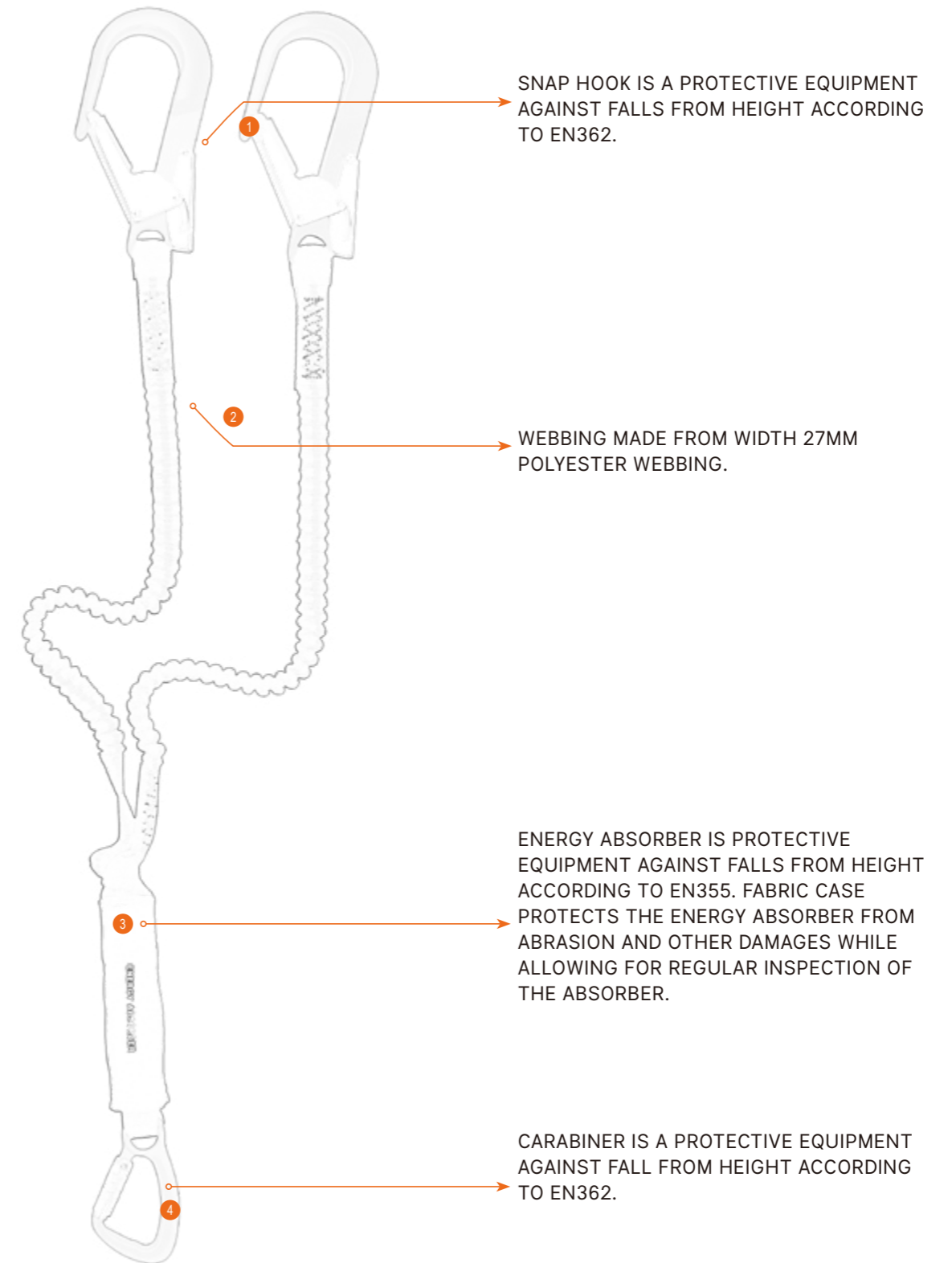
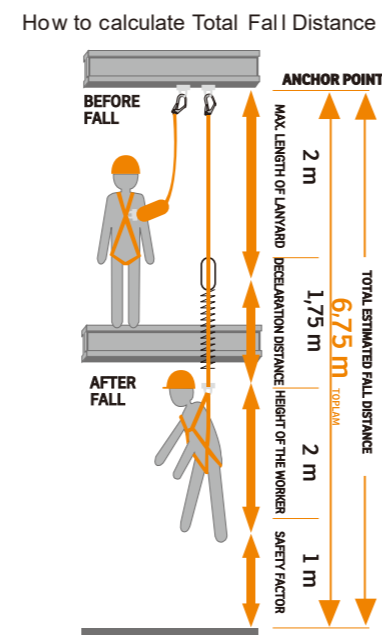
In areas where there is a risk of falling, use a fall prevention system to prevent people from falling. Fall prevention systems are usually required to be used as high as possible to reduce the fall coefficient, thereby reducing the impact force received by the user during a fall. The connection device used in the fall protection system must be equipped with an energy absorber to ensure that the impact force on the user is less than 6kn when a fall occurs.

$$F = mg + mg \sqrt{1 + \frac{2fk}{mg}}$$

- F: First impact (N)
- m: Object weight (kg)
- g: Acceleration of gravity
- f: Actual fall coefficient
- k: Young's modulus of rope X braided part



The energy absorber with lanyard is a component of personal fall arrest equipment and complies with EN355. Fall arrest system consisted of energy absorber with lanyard, attached to the full body harness (complied with EN 361) and connected to the structural anchor point (complied with EN 795) can be used as a basic personal protective equipment against falls from a height. Caution: The total length of the energy absorber with lanyard including terminations and connectors shall not exceed 2m.





HT-501



HT-508



HT-511L



HT-519Y



HT-516Y



HT-515Y



HT-606



HT-607



HT-608L



HT-613



HT-613L



HT-612L



HT-618



HT-619



HT-616





HT-516Y

HT-516

Energy Absorber With Elastic Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of 27mm high-strength and durable polyester elastic webbing to shorten the natural length of the safety rope and prevent entanglement during climbing;
- Equipped with 1 aluminum alloy automatic lock carabiner;
- With 61mm gate open aluminum alloy hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, zipper bag design, visual management, easy to safely check the use of energy absorber;

Ref.	Webbing Material	Webbing Width	Rope Length	Breaking strength	Max load	Big Hook	Middle lock	CE	
								EN 355	EN 362
HT-516Y	Polyester	27mm	1.8m	28kN	100kg	X04	H22	✓	✓
HT-516								✓	✓

NEW



HT-519Y

HT-519

Energy Absorber With Elastic Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of 27mm high-strength and durable polyester elastic webbing to shorten the natural length of the safety rope and prevent entanglement during climbing;
- With a single aluminum alloy automatic lock carabiner;
- With 25mm gate open aluminum alloy carabiner;
- The outer material of the buffer bag is made of strong wear-resistant PE material, zipper bag design, visual management, easy to check the use of energy absorber safely.

Ref.	Webbing Material	Webbing Width	Rope Length	Breaking strength	Max load	Big Hook	Middle lock	CE	
								EN 355	EN 362
HT-519Y	Polyester	27mm	1.5m	28kN	100kg	H18	R05	✓	✓
HT-519								✓	✓



HT-508Y

HT-508

Energy Absorber With Rope Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of high tenacity 11mm static rope to shorten the natural length of the safety rope and prevent entanglement during climbing;
- Equipped with 1 aluminum alloy automatic lock carabiner;
- With 61mm gate open aluminum alloy hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, zipper bag design, visual management, easy to safely check the use of energy absorber;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook	lock	CE	
								EN 355	EN 362
HT-508Y	Polyamide	11mm	1.8m	32kN	100kg	X04	H22	✓	✓
HT-508								✓	✓

Energy Absorber With Elastic Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of 27mm high-strength and durable polyester elastic webbing to shorten the natural length of the safety rope and prevent entanglement during climbing;
- Equipped with 1 aluminum alloy automatic lock carabiner;
- With 60mm gate open aluminum alloy hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, zipper bag design, visual management, easy to safely check the use of energy absorber;

Ref.	Webbing Material	Webbing Width	Rope Length	Breaking strength	Max load	Big Hook	Middle lock	CE	
								EN 355	EN 362
HT-515YL	Polyester	27mm	1.8m	28kN	100kg	X05	R05	✓	✓
HT-515L								✓	✓



HT-515YL

HT-515L



HT-509YL

HT-509L

Energy Absorber With Rope Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of high tenacity 11mm static rope to shorten the natural length of the safety rope and prevent entanglement during climbing;
- Equipped with 1 aluminum alloy automatic lock carabiner;
- With 60mm gate open aluminum alloy hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, visual management, easy to safely check the use of energy absorber;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook	lock	CE	
								EN 355	EN 362
HT-509YL	Polyamide	11mm	1.8m	32kN	100kg	X05	R05	✓	✓
HT-509L								✓	✓



HT-516YL

HT-516L

Energy Absorber With Elastic Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of 27mm high-strength and durable polyester elastic webbing to shorten the natural length of the safety rope and prevent entanglement during climbing;
- With 1 piece screwlock carabiner;
- With 55mm gate open steel hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, visual management, easy to safely check the use of energy absorber;

Ref.	Webbing Material	Webbing Width	Rope Length	Breaking strength	Max load	Big Hook	Middle lock	CE	
								EN 355	EN 362
HT-516YL	Polyester	27mm	1.8m	28kN	100kg	H03	R02	✓	✓
HT-516L								✓	✓



HT-507Y

HT-507

Energy Absorber With Rope Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of high tenacity 11mm static rope to shorten the natural length of the safety rope and prevent entanglement during climbing;
- Equipped with a single steel alloy automatic lock;
- With 55mm gate open steel hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, visual management, easy to safely check the use of energy absorber;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook	lock	CE	
								EN 355	EN 362
HT-507Y	Polyamide	11mm	1.8m	32kN	100kg	H03	R02	✓	✓
HT-507								✓	✓



HT-511YL

HT-511L

Energy Absorber With Webbing Lanyard

- The buffer bag is made of polyester webbing with a width of 44 mm and tear flat tape;
- Made of highly resistant 27mm polyester webbing to shorten the natural length of the safety rope and prevent entanglement during climbing;
- With 1 screwlock carabiner;
- With 55mm gate open steel hook;
- The outer material of the buffer bag is made of strong wear-resistant PE material, visual management, easy to check the use of energy absorber safely.

Ref.	Webbing Material	Webbing Width	Rope Length	Breaking strength	Max load	Big Hook	Middle lock	CE	
								EN 355	EN 362
HT-511YL	Polyester	27mm	1.8m	28kN	100kg	H03	R02	✓	✓
HT-511L								✓	✓



Energy absorber HT-501

- Energy absorber made from 45mm width polyester webbing.
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams.
- Absorber fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber.
- Impact force of fall less than 6kN



Work Position Single/ Double Lanyard

- A double progression lanyard that allows continuous connection during rope ascents.
- The plastic sheaths hold the carabiners in position and facilitate clipping while protecting the terminations from abrasion.
- It has a 65cm long arm and a 35cm short arm.

Ref.	Rope Material	Rope Dia	Length	Strength
HT-621	Polyamide	10.5mm	0.35/0.65m	22kN



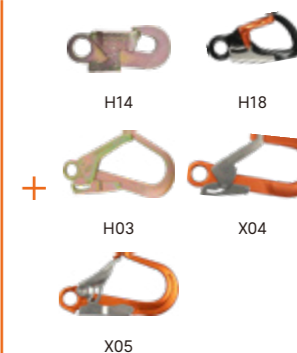
NEW



Work Position Single/ Double Lanyard

- Rope Lanyard Adjustable length from 100 to 180cm;
 - Made of 11mm high wear-resistant static rope;
 - You can choose the connector you need, like:
 - Equipped with a steel carabiner or aluminum carabiner;
 - Equipped with steel or aluminum hook;
- For any other specific length, contact us.

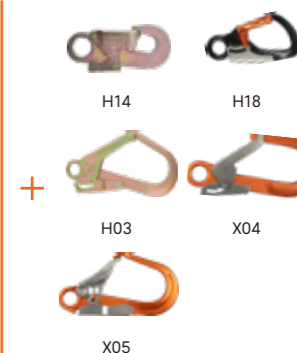
Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load
HT-606	Polyamide	11mm	100-180cm	32kN	100kg



Work Position Single/ Double Lanyard

- Single and double (Y-type) connection lanyards, ranging in length from 1m to 1.5m;
 - Made of 11mm high wear-resistant static rope;
 - You can choose the connector you need, like:
 - Equipped with a steel carabiner or aluminum carabiner;
 - Equipped with steel or aluminum hook;
- For any other specific length, contact us.

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	CE	
						EN 354	EN 362
HT-607	Polyamide	11mm	1m-1.5m	32kN	100kg	✓	✓
HT-607Y							



Work Position Single/ Double Lanyard

- Single and double (Y-type) connection lanyards, ranging in length from 1m to 1.5m;
 - Made of highly resistant 27mm polyester elastic webbing;
 - You can choose the connector you need, like:
 - Equipped with a steel carabiner or aluminum carabiner;
 - Equipped with steel or aluminum hook;
- For any other specific length, contact us.

Ref.	Webbing Material	Webbing Width	Webbing Length	Breaking strength	Max load	CE	
						EN 354	EN 362
HT-608L	Polyester	27mm	1.5m	28kN	100kg	✓	✓
HT-608Y							



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With a single aluminum alloy automatic lock carabiner;
- With 61mm gate open aluminum alloy hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Breaking strength	Max load	Hook	lock	CE	
							EN 358	EN 362
HT-613L	Polyamide	12mm	32kN	100kg	X04	R05	✓	✓



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With a single aluminum alloy automatic lock;
- With a single aluminum alloy safety hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Breaking strength	Max load	Hook	lock	CE	
							EN 358	EN 362
HT-613	Polyamide	12mm	32kN	100kg	H18	R05	✓	✓



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With 1 screwlock carabiner;
- With 1 55mm gate open steel hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook	lock	CE	
								EN 358	EN 362
HT-612L	Polyamide	12mm	1.5m	32kN	100kg	H03	R02	✓	✓



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With 1 screwlock carabiner;
- With 1 17 mm gate open steel snap hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook	lock	CE	
								EN 358	EN 362
HT-612	Polyamide	12mm	1.8m	32kN	100kg	H14	R02	✓	✓



NEW



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With 25mm gate open aluminum alloy carabiner;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Hook
HT-61102	Polyamide	12mm	1.8m	32kN	100kg	H18
HT-61105			5m			
HT-61110			10m			
HT-61120			20m			

NEW



Work Positioning Lanyard

- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With a single aluminum alloy automatic lock;
- With 25mm gate open aluminum alloy carabiner;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Carabiner	Hook
HT-61710	Polyamide	12mm	10m	32kN	100kg	R05	H18
HT-61720			20m				
HT-61730			30m				

NEW



Work Positioning Lanyard

- Aluminum rope self-locking grab regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With a single aluminum alloy automatic lock;
- With 61mm gate open aluminum alloy hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Carabiner	Hook
HT-61910	Polyamide	12mm	10m	32kN	100kg	R05	X04
HT-61920			20m				
HT-61930			30m				

NEW



Work Positioning Lanyard

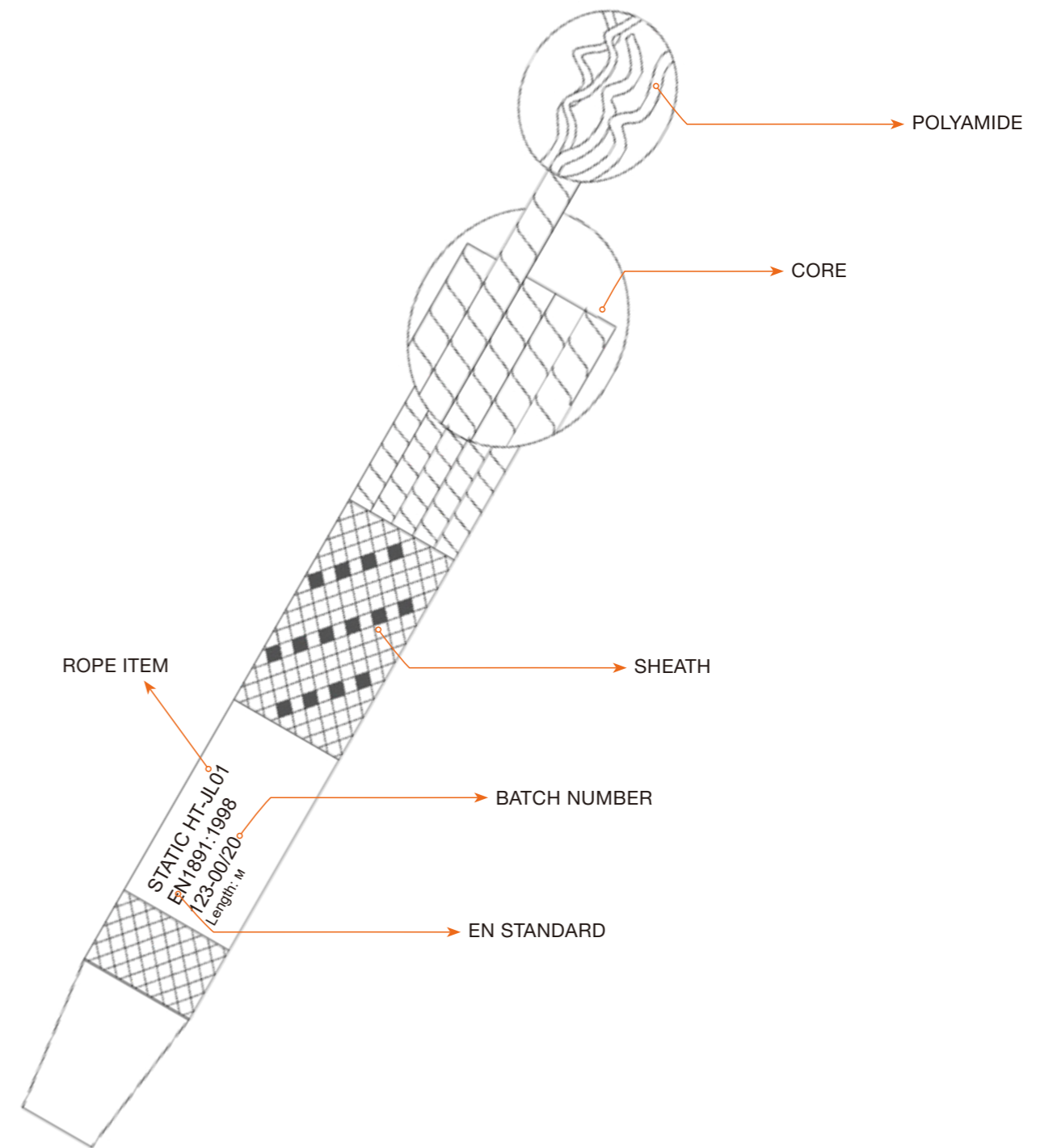
- Aluminum rope grab self-locking regulator for progressive movement;
- Made of 12mm high wear-resistant static rope;
- With a single aluminum alloy automatic lock;
- With a single aluminum alloy safety hook;
- The rope is equipped with a wear-resistant sheath, which can protect the rope from abrasion and avoid damage from sharp edges;

Ref.	Rope Material	Rope Dia	Rope Length	Breaking strength	Max load	Carabiner	Hook
HT-61810	Polyamide	12mm	10m	32kN	100kg	R05	H18
HT-61820			20m				
HT-61830			30m				





ROPES



DYNAMIC MOUNTAINEERING ROPE

Comply with CE EN892 standard.

- It is especially suitable for rock climbing activities. This kind rope must be used during climbing when erecting a fixed protection point.
- It can absorb the strong impact of accidental fall through its own elasticity, these ropes are suitable for experts.
- Single ropes with a diameter of less than 10,5 mm are the most common products on the market today.

Type	Number of drop (coefficient 2)	Impact force (coefficient 2)	Dynamic extension (coefficient 2)	Static extension	Sheath slippage	Standard
Single rope	>5(85 kg)	<1200 daN	<40%	<10%	<20mm	EN892
Double rope	>5(55 kg)	<800 daN	<40%	<12%	<20 mm	
Pair rope	>12(80kg pair)	<1200 daN	<40%	<10%	<20 mm	

SEMI-STATIC ROPE

- It is more accurately called a static rope or braided rope, and its rope sheath slippage coefficient is extremely small.
- It complies with CE EN1891 standard and is mainly used to enter, set up, or maintain a job position.
- Absolutely moderate ductility, these semi-static ropes can avoid bouncing up and down like bungee ropes when descending and hanging in the air.
- Safe and reliable, with a long service life, we promote easy-to-operate ropes, especially those with a diameter of 10,5 mm or 11 mm.

Type	Number of drop (coefficient 1)	Impact force (coefficient 0.3)	Static extension (50-150kg)	Static extension	8 bytes point static tension (within 3 minutes)	Sheath slippage	Standard
A	>5(100kg)	<600 daN	<5%	2200daN the min	1500daN	If diameter $\varphi < 12\text{mm}$, then $< 20 + 10(\varphi - 9\text{mm})$, If $12.1 < \varphi < 16\text{mm}$, then $< 20 + 5(\varphi - 12\text{mm})$	EN1891
B	>5(80kg)	<600 daN	<5%	1800daN the min	1200daN	If diameter $\varphi < 12\text{mm}$ then $< 20 + 10(\varphi - 9\text{mm})$, If $12.1 < \varphi < 16\text{mm}$, then $< 20 + 5(\varphi - 12\text{mm})$	

DYNAMIC MOUNTAINEERING ROPE

Single rope
Single-strand use to connect climbers and protectors.
Mountains, cliffs, and indoor activities.

Double rope
Each rope can be locked separately for better application in mountain route climbing, long route climbing and ice climbing.

Pair rope
At each protection point, two ropes must be locked for use at the same time.
Used for mountain and ice climbing.

STATIC ROPE

Type A rope
It can be used for movement and propulsion.
This type of rope has the same excellent performance when used for ascent and descent.
Used for cave exploration, canyoning, rope operations, safety or emergency operations.

Type B rope
The diameter and strength are smaller than that of Type A rope, so please be more cautious when using it.
Used for cave exploration, canyoning, rope operations, safety or emergency operations.

C rope
The rope is suitable for use in the canyon.
It can only be used to descend and use two ropes together.
It is composed of polypropylene material and can float.

STATIC ROPE



DYNAMIC ROPE



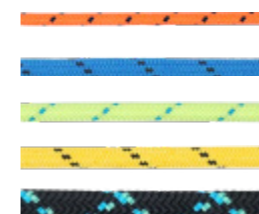
FIRE ROPE



WATER LINE



ACCESSORY CORDS



ROPE PROTECTOR

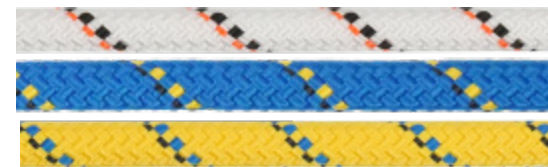




10.5mm



11mm



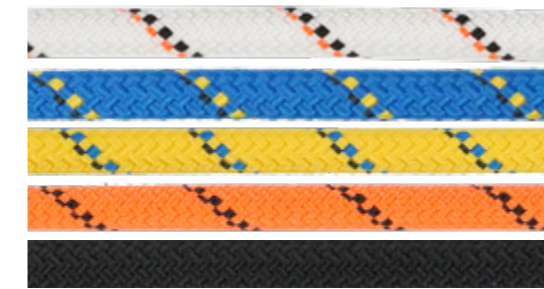
12mm

Low Stretch Kernmantel Ropes

Low stretch kernmantel ropes are designed for rope access. The small diameter guarantees very good flexibility and performance in terms of weight. It has a lower stretch under tension, improving the efficiency of the rope at the beginning of the ascent. The rope is available in three colors and three lengths.

- Small diameter guarantees very good flexibility and performance in terms of weight
- Low stretch during loading, which improves the efficiency at the beginning of the rope ascent
- Long-term stable performance:
 - Construction with nylon core and nylon sheath, with specific braid;
 - Can ensure under any conditions (water, dust, mud...) The time and flexibility to maintain excellent handling and optimal performance of the equipment;

Ref.	Color	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length	CE
HT-J010		Nylon	10.5mm	66g/m	30kN	> 15kN	> 5	0.3%	2.8%	50m	EN 1891 Type B
										100m	
										200m	
HT-J011		Nylon	11mm	74g/m	32kN	> 15kN	> 5	0.5%	3.2%	50m	EN 1891 Type A
										100m	
										150m	
HT-J012		Nylon	12mm	95g/m	37kN	> 15kN	> 5	0.6%	2.5%	50m	EN 1891 Type A
										100m	
										150m	



Low Stretch Kernmantel Ropes

semi-static rope designed for the heaviest jobs where normal ropes could be compromised by exposure to edges, heavy abrasion and other stresses. The process enhances mechanical features, prevents sheath slippage and, most importantly, improves safety by preventing breaking of the sheath. 40 carrier sheath made from twisted yarns.

Ref.	Color	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length	CE	UIAA
HT-JL011		Nylon	9mm	54g/m	24kN	> 15kN	> 5	0.3%	2.8%	50m	EN 1891 Type B	
										100m		
										200m		
HT-JL012		Nylon	10mm	65.7g/m	28.7kN	> 15kN	> 5	0.1%	2.5%	50m	EN 1891 Type A	✓
										100m		
										200m		
HT-JL01		Nylon	10.5mm	73g/m	29.5kN	> 15kN	> 5	0.3%	3.2%	50m	EN 1891 Type A	✓
										100m		
										200m		
HT-JL02		Nylon	11mm	81g/m	30.4kN	> 15kN	> 5	0.6%	3.4%	50m	EN 1891 Type A	✓
										100m		
										200m		
HT-JL03		Nylon	12mm	98g/m	39.2kN	> 15kN	> 5	0.6%	2.6%	50m	EN 1891 Type A	✓
										100m		
										200m		





10.5mm



11mm



12mm

Static Rope

Class A high-performance static rope, through special core treatment and rope body post-treatment technology, giving the rope low ductility, better control and good flexibility;

Ref.	Color	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length	CE
HT-Z010	●	Polyester/Nylon	10.5mm	72g/m	31kN	>15kN	>5	0.6%	2.5%	200m	EN 1891 Type A
										600m	
HT-Z011	●	Polyester/Nylon	11mm	81g/m	35kN	>15kN	>5	0.8%	2.5%	200m	
										600m	
HT-Z012	●	Polyester/Nylon	12mm	92.8g/m	37kN	>15kN	>5	0.9%	2.5%	600m	
										600m	



11.7mm

NEW



12.5mm

Tree Domain Rope

The 12.5mm low stretch rope is designed for tree care and has a low stretch core.

- The large diameter ensures high strength and good grip.
- 100% polyester double weave construction
- Ensures great flexibility under any conditions (water, dust, mud...), allowing it to maintain excellent handling and optimal functioning with devices

Ref.	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length	CE
HT-S011	Polyester/ Polyamide	11.7mm	95g/m	25kN	16kN	> 5	0%	2.1%	35m	EN 1891 Type A
									45m	
									60m	
HT-S012	Polyester/ Polyamide	12.5mm	108g/m	34kN	18kN	> 5	0%	2.1%	35m	
									45m	
									60m	

NEW



8.0mm

NEW



10.5mm

Fire Rope

Low stretch kernmantle rope offering better resistance and durability for work at height, rope access, and rescue:

- Sheath is made entirely from aramid fiber, providing excellent resistance to abrasion, wear, sharp edges, and heat
- Can tolerate accidental exposure to a flame
- The rope can tolerate short exposure to a heat source, such as a hot pipe
- Easy to handle:
- Better control when lowering heavy loads
- Ideal for lowering repeatedly or at a consistent speed
- Markings at the end of the rope on a laser-marked rigid identification label, for better tracking and longer-lasting markings
- Maximum 5 minutes at 200° C.

Ref.	Color	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length
HT-F011	●	Aramid/ Nylon	8.0mm	48g/m	22kN	13kN	> 5	0%	4.5%	50m
										100m
										200m
HT-F012	●	Aramid/ Nylon	10.5mm	76g/m	33kN	16kN	> 5	0%	3.6%	50m
										100m
										150m



9.2mm



10.1mm



11mm

Dynamic Ropes

Single rope

- High-performance power single rope multi-purpose climbing venue rope, high-performance braking effect protection;
- Better wear resistance and durability
- Good feel and lightweight. Easy braking when protected;
- Ultrasonic cutting rope end technology;

REF.	Color	Material	Diameter	First impact force	Dynamic elongation	Static elongation	Number of falls	Weight per meter	Length	CE
HT-DL092	● ●	Nylon	9.2mm	9.2kN	30%	9.0%	5	55g/m	50m	EN 892
									60m	
									200m	
HT-DL095	● ●	Nylon	9.5mm	9kN	32%	7.6%	7	58g/m	50m	
									60m	
									200m	
HT-DL101	● ●	Nylon	10.1mm	9.1kN	31%	8.5%	8	65g/m	50m	
									60m	
									200m	
HT-DL105	● ●	Nylon	10.5mm	9.2kN	33%	9.5%	11	69g/m	50m	
									60m	
									200m	
HT-DL110	● ●	Nylon	11mm	9.0kN	31%	7.4%	12	77g/m	50m	
									60m	
									200m	



9.5mm

Mechanical Rope NEW

- Mechanical ropes specially designed for electric winches, rescue and EN341 compliant equipment,
- Its design makes this rope particularly suitable for long distance descent or towing operations;
 - The breaking force is above average and the wear resistance is high;
 - Twined and shrunk sheath construction for maximum abrasion resistance and minimal shrinkage;
 - Tracer threads on the sheath to indicate rope diameter;
 - Dimensionally stable thanks to twisted yarns positioned in parallel in the core of the rope;
 - Thermo Shield treatment for perfect handling

Ref.	Color	Material	Diameter	Weight per meter	Breaking strength	Figure 8 knot strength	Number of falls	Sheath slippage	Static elongation	Length
HT-T095	○	Polyamide	9.5mm	59g/m	22kN	15kN	>5	1%	3.9%	200m
										500m



Flexible Anchor Line

• Construction

The flexible anchor line consists of a polyamide rope in different diameters. The design of the rope ends are finished off by stitching, which are protected by a plastic sleeves.

• Function

The flexible anchor line is the basis for the fall arrester with self-locking function. The guide type fall arrester runs alongside the anchor line (rope), follows the user while moving up or down and locks automatically on the anchor line. The possible fall height results from the length of the lanyard between the fall arrester and the full body harness. Generally, the shorter the lanyard, the shorter the fall distance.

Ref.	Art No.	Length	Weight	Rope Dia	Strength with termination	Material
HT-623	HT-62305	5m	365g	10.5mm	15kN/3 minutes	Polyester/Nylon
	HT-62310	10m	730g			
	HT-62315	15m	1095g			
	HT-62320	20m	1460g			
	HT-62330	30m	2190g			
	HT-62340	40m	2920g			
	HT-62350	50m	3650g			



8mm



9.5mm

WaterLine Water Rescue Rope NEW

- HMPE (ultra high molecular weight polyethylene) core for superior strength, high flotation, and near zero stretch even when wet.
- Nylon bag has retro-reflective strip, mesh for ventilation, drawstring closure, flotation donut, and clear vinyl handle.

Ref.	Color	Material	Diameter	Weight	Breaking strength	Length
HT-W008	●	HMPE	8mm	6.9kg	18.5kN	15m
				45.5kg		100m
HT-W010	●	HMPE	9.5mm	9.8kg	22kN	15m
				66kg		100m



Accessory Cord

Suitable for a multitude of used, meet EN564 standard.

Ref.	Diameter	Length	Weight	Breaking Strength	Color	CE
HT-FZ01	4mm	120m	10.2g	4.4kN	Orange	EN564
HT-FZ02	5mm	120m	17.3g	6.5kN	Blue	
HT-FZ03	6mm	120m	19.3g	8.1kN	Green	
HT-FZ04	7mm	120m	27.5g	10kN	Yellow	
HT-FZ05	8mm	120m	36.8g	13.1kN	Black	

Double Rope Protector

It is used to protect the rope and avoid the rough and sharp protrusions of the building such as corners and rocks from wearing the rope.

- PVC mesh material, double-layer structure is sturdy and wear-resistant, fully protect the rope to avoid abrasion, light weight, easy to carry;
- The velcro design of the unpacking port is convenient and quick to operate;
- Multiple specifications, used in different environments

Ref.	Material	Length	Weight
HT-T01	Polyvinyl chloride (pvc) polyester	70cm	98.1g



Multi-functional And Efficient Rope Pulley

- Helps to prevent the rope from being worn during movement and avoid abrasive sharp protrusions that wear the rope
- 4 rolling sleeves, reduce friction, efficient and labor-saving, suitable for complex environments such as length, girth column, right Angle and slope
- Four corners are set up to tie auxiliary rope fixed hanging points
- Durable and easy to install, it can be used frequently for a long time;

Ref.	Material	Length	Weight
HT-T03L	Aluminum , 304 stainless steel	28×10.2×4.8cm	1028g



Multi-functional High Rope Guard

- Helps to prevent the rope from being worn during movement and avoid abrasive sharp protrusions that wear the rope
- 4 rolling sleeves, reduce friction, efficient and labor-saving, suitable for complex environments such as length, girth column, right Angle and slope
- Four corners are set up to tie auxiliary rope fixed hanging points
- Durable and easy to install, it can be used frequently for a long time;

Ref.	Material	Size	Weight
HT-T03	Aluminum , 304 stainless steel	28×10.2×4.8cm	755g



Multi-functional High-efficiency Rope Protector

- Helps prevent abrasion of the rope during movement, avoiding rough and sharp protruding parts from abrading the rope
- 4 rolling sleeves, reduce friction, high efficiency and energy saving, can be applied to lengths, bollards, right angles, slopes and other complex environments.
- Hooking points at the corners for lanyard fixing
- Durable and easy to install, it can be used frequently for a long time;

Ref.	Material	Length	Weight
HT-T06L	Aluminum , 304 stainless steel	15.5*16.6*8.8cm	632.2g



Rope Protector

- PU coating, thick fabric, good waterproof and windproof effect;
- The four corners have webbing to fix the rope end, which can quickly arrange the rope;
- Moderate size, more convenient to carry;

Ref.	Material	Size	Weight
HT-T05	Polyester with PU coating	130x130cm	195g



Multi-functional High-efficiency Rope Protector

- Helps prevent abrasion of the rope during movement, avoiding rough and sharp protruding parts from abrading the rope
- 4 rolling sleeves, reduce friction, high efficiency and energy saving, can be applied to lengths, bollards, right angles, slopes and other complex environments.
- Hooking points at the corners for lanyard fixing
- Durable and easy to install, it can be used frequently for a long time;

Ref.	Material	Size	Weight
HT-T06	Aluminum , 304 stainless steel	15.5*16.6*8.8cm	482.6g



Protective Pad

- Bedding is used for rescue on the ground to effectively protect the direct friction between equipment and the ground;
- 100% cotton, high temperature resistance, good elasticity, wear resistance, dirt resistance;
- Multiple stainless steel 17mm air eyes, can be directly fixed on the main lock, to achieve fast multi-pad splicing.
- Large protection area, protecting ropes and all kinds of equipment;

Ref.	Material	Size	Weight
HT-T02	Polyester with PU coating	73X82cm	620g
HT-T02L		144X83cm	1180g





HT-R05T

Screwlock 19mm
 Aluminium 25kN
 80g EN362



HT-R05

Twistlock 19mm
 Aluminium 25kN
 83.6g EN362



HT-R19L

Screwlock 19mm
 Aluminium 30kN
 83g



HT-R19

Triactlock 19mm
 Aluminium 30kN
 92.2g EN362



HT-R15T

Screwlock 22mm
 Aluminium 27kN
 75.7g



HT-R15S

Triactlock 22mm
 Aluminium 27kN
 102g



HT-R03L

Twistlock 19mm
 Steel 25kN
 196g



HT-R18L

Twistlock 26mm
 Steel 35kN
 233.8g



HT-R02

Screwlock 17mm
 Steel 25kN
 166g EN362



HT-R03

Twistlock 20mm
 Steel 23kN
 158g EN362



HT-R18

Twistlock 22mm
 Steel 23kN
 204.4g EN362





HT-R07L

Screwlock 16mm
 SUS304 25kN
 61g 7mm



HT-R01

Screwlock 10.5mm
 SUS304 26kN
 74.8g 8mm
 CE EN362



HT-R01T

Screwlock 11mm
 SUS304 27kN
 82.8g 8mm
 CE EN362



HT-H08

Aluminium 105mm
 895g 23kN



HT-X04

Aluminium 61mm
 460g 23kN
 CE EN362



HT-X05

Aluminium 60mm
 270g 23kN
 CE EN362



HT-H03

Steel 55mm
 482.7g 25kN
 CE EN362



HT-H14

Steel 18mm
 190g 25kN
 CE EN362



HT-H13T

Steel 22mm
 396g 23kN
 CE EN362



HT-H18

Aluminium 25mm
 125g 40kN
 CE EN362



HT-H22

Aluminium 23mm
 110g 25kN
 CE EN362



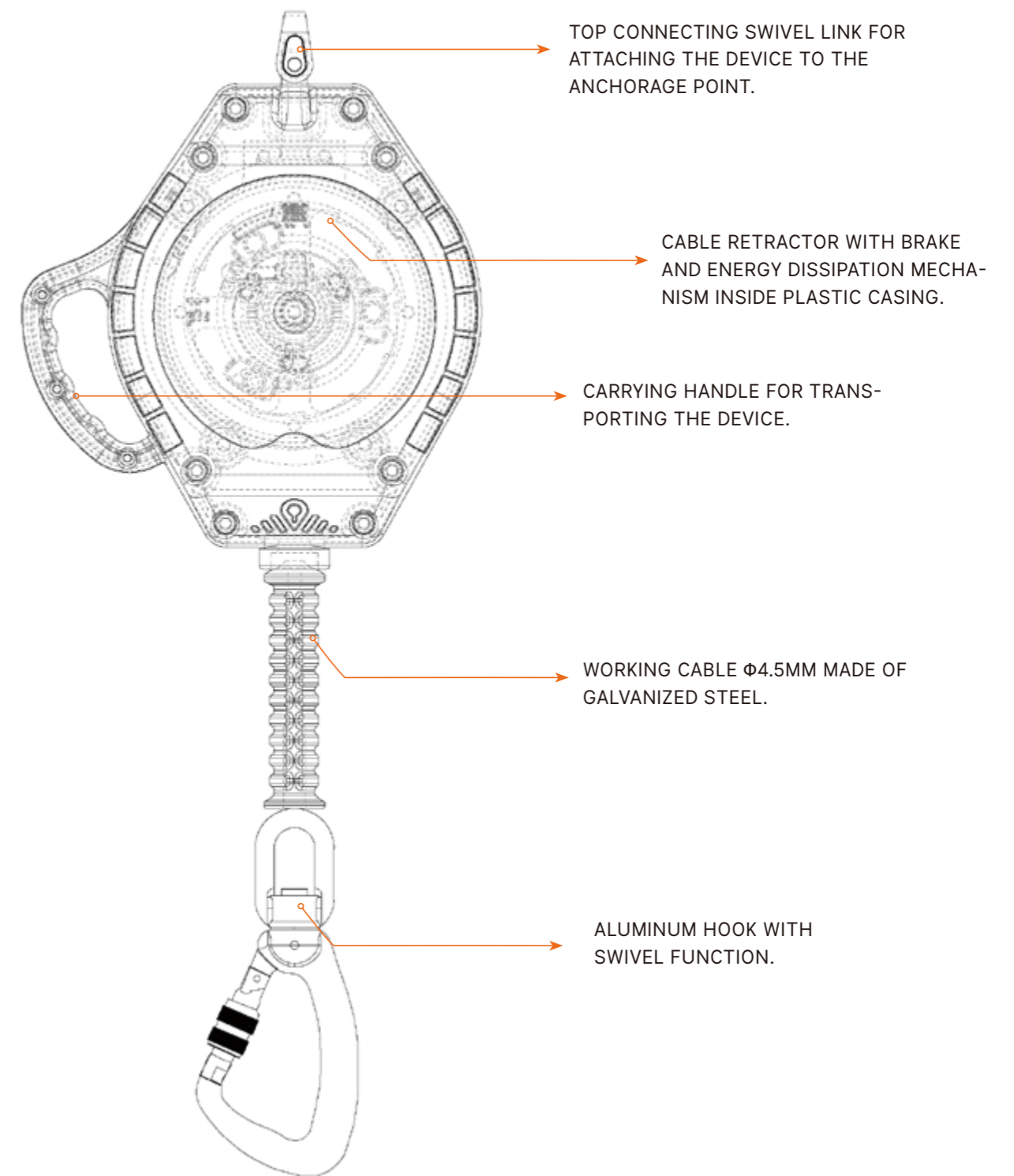
HT-H19

Aluminium 22mm
 165g 25kN
 CE EN362





RETRACTABLE TYPE FALL ARRESTERS





HT-W02



HT-W02L



HT-W02Y



HT-W02YL



HT-C02



HT-W03E



HT-W06E



HT-C03E



HT-C06E



HT-C10E



HT-W03



HT-W06



HT-C03



HT-C06



HT-C10



HT-C15/20



HT-W02



HT-W02L



HT-C02

Fall Arrester With Energy Absorber

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Built-in potential energy absorber and universal lock with fall indication;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Webbing Length	Webbing Width	Webbing Strength	First impact force	Max Load	Weight	CE
HT-W02	PA	1.8m	20mm	15kN	5.99kN	140kg	1321g	EN360:2002
HT-W02L					5.88kN		1616g	

Ref.	Cover Materials	Steel Wire Length	Steel Wire Dia	Steel Wire Strength	First impact force	Max Load	Weight
HT-C02	PA	1.8m	4.8mm	12kN	4kN	140kg	1806g



HT-W02Y



HT-W02YL

Webbing Fall Arrester With Energy Absorber

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Dinima fiber preparation, not easy to entanglement, more wear-resistant;
- Built-in potential energy absorber and universal lock with fall indication;
- Dinema webbing can shorten the excess webbing length by itself, reducing any possibility of increasing the fall distance;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Webbing Length	Webbing Width	Webbing Strength	First impact force	Max Load	Weight	CE
HT-W02Y	PA	1.8m	20mm	15kN	3.8kN	140kg	2488g	EN360:2002
HT-W02YL							3078g	



HT-W03E



HT-W06E

Webbing Fall Arrester With Energy Absorber

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Dinima fiber preparation, not easy to entanglement, more wear-resistant;
- Built-in potential energy absorber and universal lock with fall indication;
- Dinema webbing can shorten the excess webbing length by itself, reducing any possibility of increasing the fall distance;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Webbing Length	Webbing Width	Webbing Strength	First impact force	Max Load	Weight	CE
HT-W03E	3m	20mm	15kN	5.92kN	140kg	2560g	EN360:2002
HT-W06E	6m			5.98kN		3516g	





HT-C03E

HT-C06E

HT-C10E

Steel Wire Rope Fall Arrester With Energy Absorber

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Galvanized steel cable, with anti-cutting, fire and high wear-resistant functions;
- Built-in potential energy absorber and universal lock with fall indication;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Steel Wire Length	Steel Wire Dia	Steel Wire Strength	First impact force	Max Load	Weight	CE
HT-C03E	PA	3m	4.8m	12kN	5.96kN	140kg	4561g	EN360:2002
HT-C06E		6m			5.97kN		4561g	
HT-C10E		10m			5.79kN		5641g	



HT-W03

HT-W06

Webbing Fall Arrester

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Dinima fiber preparation, not easy to entanglement, more wear-resistant;
- Built-in universal lock with fall indication;
- Dinema webbing can shorten the excess webbing length by itself, reducing any possibility of increasing the fall distance;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Webbing Length	Webbing Width	Webbing Strength	First impact force	Max Load	Weight	CE
HT-W03	3m	20mm	15kN	4.89kN	100kg	2305g	EN360:2002
HT-W06	6m	25mm		5.24kN		3401g	





HT-C03

HT-C06

HT-C10

Steel Wire Rope Fall Arrester

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Galvanized steel cable, with anti-cutting, fire and high wear-resistant functions;
- Built-in universal lock with fall indication;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Steel Wire Length	Steel Wire Dia	Steel Wire Strength	First impact force	Max Load	Weight	CE
HT-C03	PA	3m	4.8m	12kN	5.07kN	100kg	2771g	EN360:2002
HT-C06		6m			4.87kN		4446g	
HT-C10		10m			5.23kN		5641g	

NEW



HT-C15

HT-C20

Steel Wire Rope Fall Arrester

- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Dinima fiber preparation, not easy to entanglement, more wear-resistant;
- Built-in universal lock with fall indication;
- Dinema webbing can shorten the excess webbing length by itself, reducing any possibility of increasing the fall distance;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Steel Wire Length	Steel Wire Dia	Steel Wire Strength	First impact force	Max Load	Weight
HT-C15	PA	15m	4.8mm	12kN	3.19kN	100kg	6800g
HT-C20		20m			3.67kN		9056g

NEW



HT-C25

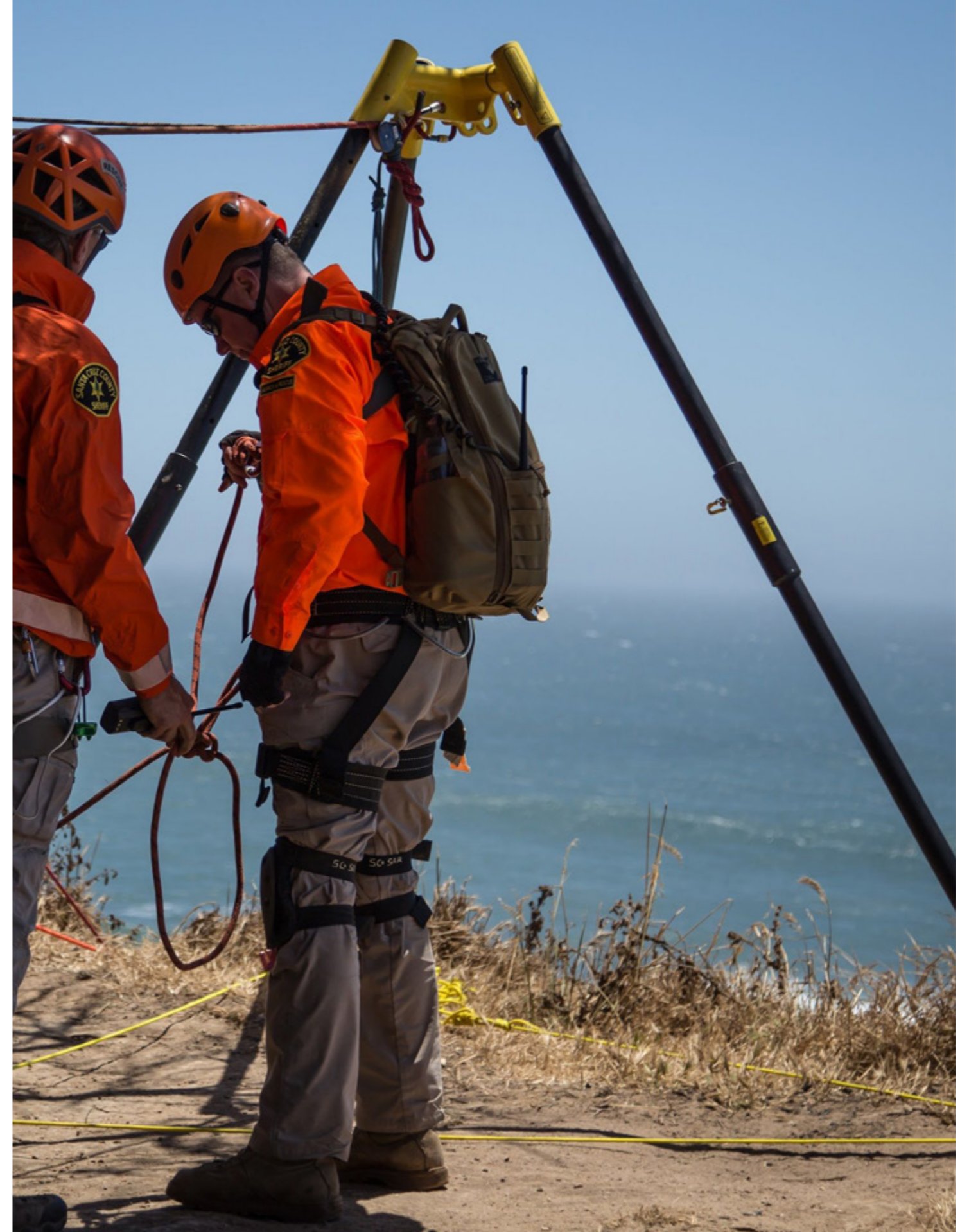


HT-C30

Steel Wire Rope Fall Arrester

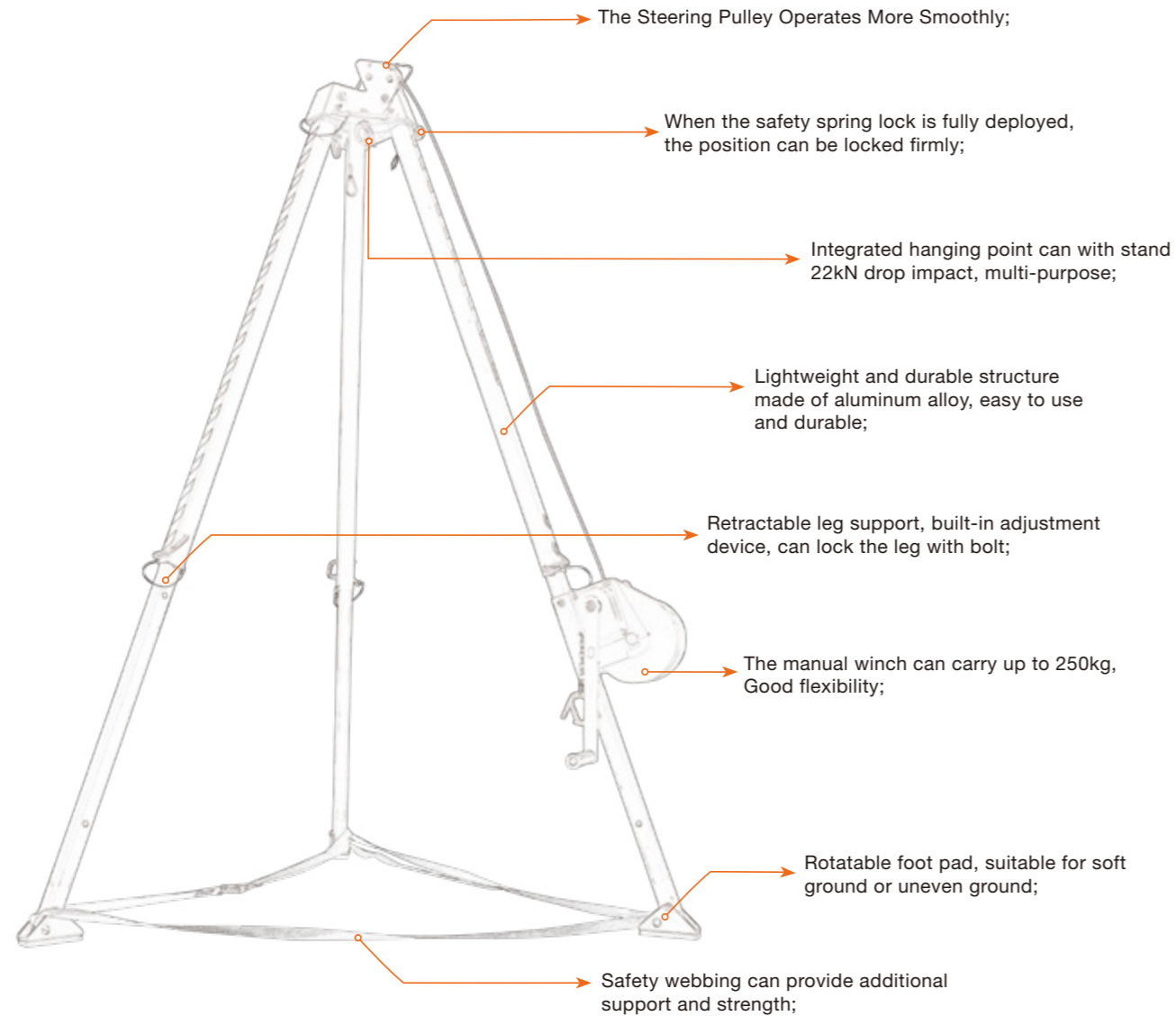
- Flexible, light weight, practical and comfortable fall brake equipment;
- Suitable for all kinds of high-altitude work, so that you can freely move without worrying about the risk of falling;
- Shell made of thick nylon material, equipped with universal ring; Used to prevent winding and twisting when bearing weight;
- Use a locking design similar to a car seat belt to brake at the moment of a fall;
- Dinima fiber preparation, not easy to entanglement, more wear-resistant;
- Built-in universal lock with fall indication;
- Dinema webbing can shorten the excess webbing length by itself, reducing any possibility of increasing the fall distance;
- Can be used in the vertical state or within the range of the vertical Angle not exceeding 40 degrees;
- Equipped with automatic safety lock with universal ring, in line with EN362 standard;
- An auxiliary rope larger than the length of the product (1m) is included for taking the lock from below, which is convenient for repeated operations;

Ref.	Cover Materials	Steel Wire Length	Steel Wire Dia	Steel Wire Strength	First impact force	Max Load	Weight
HT-C25	PA	25m	4.8m	12kN	4.24kN	100kg	11200g
HT-C30		30m			4.5kN		12800g



RESCUE TRIPOD





NEW



Ref.	Materials	Adjustable Height	Wheelbase Footprint	Max Load	Weight
HT-907	Aluminum+Steel	1.15 to 2.15m	1.8m Diameter	500kg	13635g

Rescue Tripod

- Mobile rescue tripod, suitable for lifting heavy objects, fixing and rescue use;
- Equipped with adjustable locking legs and three anchor connections, economical for many restricted space, fall environment and rescue environment;
- Aluminum tripod, corrosion resistant coating, high strength;
- 2-stage independent adjustable telescopic leg, fixed with stainless steel rod, with collapsible rubber sole and sharp edge at the bottom. Independent adjustable legs for uneven surfaces.
- Two built-in pulleys and top structure, excellent performance and reliability;
- Steel double action terminal connection lock;
- The tripod configuration supports the safety chain to prevent the risk of falling;
- With nylon portable equipment bag; Easy to reuse and carry;

NEW



Ref.	Materials	Steel Wire Length	Steel wire Dia	Adjustable Height	Wheelbase Footprint	Max Load	Weight
HT-90720	Aluminum +Steel	20m	4.8mm	1.15 to 2.15m	1.8m Diameter	500kg	24255g
HT-90730		30m					25195g

Rescue Tripod With Winch

- Mobile rescue tripod, suitable for lifting heavy objects, fixing and rescue use;
- Equipped with adjustable locking legs and three anchor connections, economical for many restricted space, fall environment and rescue environment;
- Aluminum tripod, corrosion resistant coating, high strength;
- 2-stage independent adjustable telescopic leg, fixed with stainless steel rod, with collapsible rubber sole and sharp edge at the bottom. Independent adjustable legs for uneven surfaces.
- Two built-in pulleys and top structure, excellent performance and reliability;
- Equipped with a release latch and a two-way rotating handle for rescue and lifting operations;
- Steel double action terminal connection lock;
- The tripod configuration supports the safety chain to prevent the risk of falling;
- With nylon portable equipment bag; Easy to reuse and carry;





Rescue Tripod

- Mobile rescue tripod, suitable for lifting heavy objects, fixing and rescue use;
- Equipped with adjustable locking legs and three anchor connections, economical for many restricted space, fall environment and rescue environment;
- Aluminum tripod, corrosion resistant coating, high strength;
- 2-stage independent adjustable telescopic leg, fixed with stainless steel rod, with collapsible rubber sole and sharp edge at the bottom. Independent adjustable legs for uneven surfaces.
- A built-in pulley and top structure, excellent performance and reliability;
- Steel double action terminal connection lock;
- The tripod configuration supports the safety chain to prevent the risk of falling;
- With nylon portable equipment bag; Easy to reuse and carry;

Ref.	Materials	Adjustable Height	Wheelbase Footprint	Max Load	Weight	CE
HT-906	Aluminum+Steel	1.15 to 2.15m	1.8m Diameter	500kg	13000g	EN795:2012



Rescue Tripod With Winch

- Mobile rescue tripod, suitable for lifting heavy objects, fixing and rescue use;
- Equipped with adjustable locking legs and three anchor connections, economical for many restricted space, fall environment and rescue environment;
- Aluminum tripod, corrosion resistant coating, high strength;
- 2-stage independent adjustable telescopic leg, fixed with stainless steel rod, with collapsible rubber sole and sharp edge at the bottom. Independent adjustable legs for uneven surfaces.
- A built-in pulley and top structure, excellent performance and reliability;
- Equipped with a release latch and a two-way rotating handle for rescue and lifting operations;
- Steel double action terminal connection lock;
- The tripod configuration supports the safety chain to prevent the risk of falling;
- With nylon portable equipment bag; Easy to reuse and carry;

Ref.	Materials	Steel Wire Length	Steel wire Dia	Adjustable Height	Wheelbase Footprint	Max Load	Weight	CE
HT-90620	Aluminum+Steel	20m	4.8mm	1.15 to 2.15m	1.8m Diameter	500kg	23620g	EN795:2012
HT-90630		30m					25195g	



Rescue Tripod

- The rescue tripod consists of main parts, sling, capstan, and protection chains.
- Be made of durable super light aluminum alloy, adjustable legs, safety factor more than 10.
- Automatic lock capstan for rising and falling, to protect sling work.
- The cable of sling is made of stainless steel, good tenacity and rust proof.
- Convenient combination is suitable to fix at the well and pit mouth Out of limit of the ground unevenness.



Ref.	Materials	Adjustable Height	Wheelbase Footprint	Max Load	Weight
HT-902	Aluminum+Steel	1.15 to 2.15m	1.8m Diameter	500kg	<30000kg



Rescue winch

- Alloy steel shell, galvanized steel cable connection
- Equipped with a release latch and a two-way rotating handle for rescue and lifting operations;
- Steel double action terminal connection lock;
- Can be matched with tripod quick installation system;

Ref.	Material	Steel Wire Length	Steel wire Dia	Max Load	Weight	CE
HT-JP1020	ST	20m	4.8mm	140kg	9695g	EN1496
HT-JP1030		30m			10635g	



Transportable Anchorage Beam

- Movable anchor beams to form one or two anchor points on door or window frames;
- Made of aluminum alloy, it is a corrosion-resistant and reliable system;
- It includes a removable plate that can be adjusted according to the frame from 0.35 meters to 1.24 meters;
- Can withstand two workers at the same time;



Ref.	Material	Weight	Max Load	Girders Width	CE
HT-MD05	AL	2920g	140kg	35-124mm	EN 795-B CEN/TS 16415

Track Anchor Devices

Designed for fall protection and rope access work positioning. The clamps attach without tools to construction girders either overhead or underfoot.



Ref.	Material	Weight	Max Load	Girders Width	CE
HT-MD01	AL	2.3kg	140kg	76-300mm	EN 795-B

Track Anchor Devices

Designed for fall protection and rope access work positioning. The clamps attach without tools to construction girders either overhead or underfoot.



Ref.	Material	Weight	Max Load	Girders Width	CE
HT-MD02	AL	3.3kg	140kg	76-300mm	EN 795-B



Horizontal Webbing Anchorage Line

- The Anchorage Life Line made up of 35 mm Polyester Webbing equipped with the Ratchet Tensioner that allows easy tensioning of the lifeline between two structures.
- Both the ends are provided with Twist lock Steel Karabiners (Our Ref HT-R04).
- Once fitted, you can easily put back the extra webbing not deployed along the length, into the Bag Products according to EN 795.
- Available Length- Total 20m, thus the user can use it for a length ranging from 5m to 20m.
- Once the Lifeline is fitted, the user can easily attach the Lanyard of his Harness to the Lifeline using a Karabiner.
- This allows movement along the length while keeping the user secured and safe at all times.

Ref.	Material	Webbing width	Weight	Max Load	Length	CE
HT-MD08	Steel/Polyester	35mm	2530g	140kg	5m to 20m	EN 795-B

NEW



Fall Arrester

- Aeronautical aluminium structure, high strength and corrosion resistance.
- Interlocked two-action opening structure, easy to operate, safe and reliable
- 360°rotatable automatic hook, more convenient operation.
- Absorbent buffer can ensure the impact force on human body <6kN.
- Sensitive stop-lock, to ensure that the fall distance of the personnel is small.

Ref.	Material	Dia	Weight	Rated load	Working ambient temperature
HT-G12	Aluminium\Steel	8mm	686g	45-100kg	-40°C-+60

NEW



Fall Arrester

- Stainless steel structure, high strength and corrosion resistance.
- 360 ° rotatable automatic hook, more convenient operation
- Absorbent buffer, to ensure the impact on the human body<6kN
- Sensitive stop-lock, to ensure that the fall distance of the personnel is small.

Ref.	Material	Dia	Weight	Rated load	Working ambient temperature
HT-G15	Aluminium\Steel	8mm	683g	45-100kg	-40°C-+60

NEW



Fall Arrester

- Aeronautical aluminium structure, high strength and corrosion resistance.
- Continuous two-action opening structure, easy to operate, safe and reliable
- 360 ° rotatable automatic hook, more convenient operation
- Absorption buffer, can ensure the impact force on human body <6kN
- Sensitive stop-lock, to ensure that the fall distance of the personnel is small
- Can be disassembled and reassembled at any position in the vertical system.

Ref.	Material	Weight	Rated load	Working ambient temperature
HT-HK01	Aluminium	764.6g	45-100kg	-40°C-+60

NEW



Fall Arrester

- Aeronautical aluminium structure, high strength and corrosion resistance.
- Interlocked two-action opening structure, easy to operate, safe and reliable
- 360°rotatable automatic hook, more convenient operation.
- Absorbent buffer can ensure the impact force on human body <6kN.
- Sensitive stop-lock, to ensure that the fall distance of the personnel is small.

Ref.	Material	Weight	Rated load	Working ambient temperature
HT-HK02	Aluminium	751.6g	45-100kg	-40°C-+60





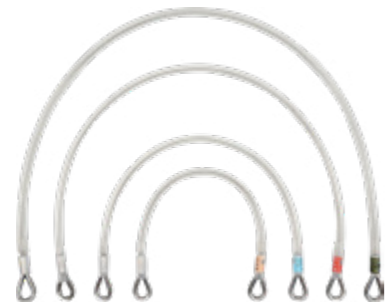
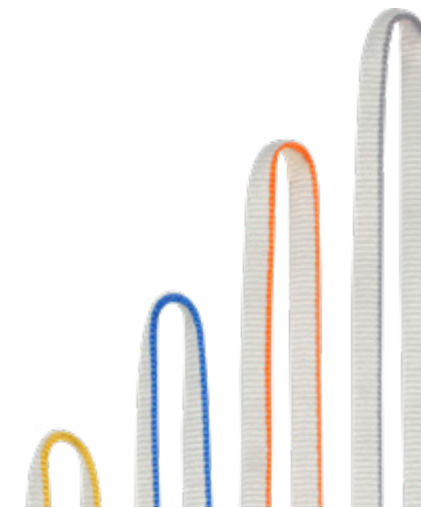
HT-D10



HT-D09



HT-D07



HT-MD15



HT-MD10



HT-MD10L



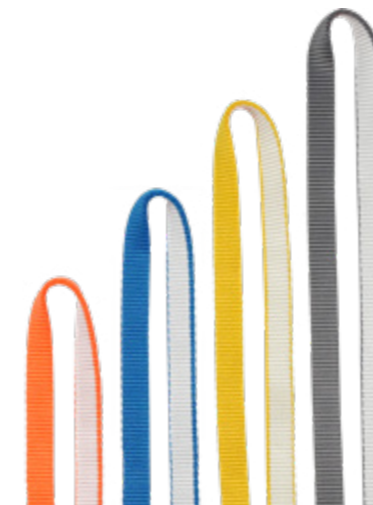
HT-MD03-A



HT-MD03



HT-MD03-B



Sewn Sling

- 11mm flat belt ring, used to set simple temporary protection points, suitable for rescue, aerial work, expansion projects, climbing activities, etc.
- Dyneema fiber preparation, not easy to entanglement, more wear-resistant;
- Light and strong, easy to lock operation;
- Sewn ribbon - higher strength than ordinary knotted ribbon;
- Color recognition system is easy to manage;

Ref.	Width	Color	Length	Strength	CE
HT-D1060	11mm	Yellow	60cm	22kN	EN795-B
HT-D1080	11mm	Blue	80cm	22kN	
HT-D10120	11mm	Orange	120cm	22kN	
HT-D10150	11mm	Grey	150cm	22kN	

Sewn Sling

- 16mm flat belt ring, used to set simple temporary protection points, suitable for rescue, aerial work, expansion projects, climbing activities, etc.
- Nylon fiber, easy to entanglement, more wear-resistant;
- Light and strong, easy to lock operation;
- Sewn ribbon - higher strength than ordinary knotted ribbon;
- Color recognition system is easy to manage;

Ref.	Width	Color	Length	Strength	CE
HT-D0960	16mm	Orange	60cm	22kN	EN795-B
HT-D0980	16mm	Blue	80cm	22kN	
HT-D09120	16mm	Yellow	120cm	22kN	
HT-D09150	16mm	Grey	150cm	22kN	



Sewn Sling



- 25mm flat belt ring, suitable for occasions requiring high strength flat belt;
- Used to set up simple temporary protection points, suitable for rescue, aerial work, expansion projects, climbing activities, etc;
- Nylon fiber, easy to entanglement, more wear-resistant;
- Light and strong, easy to lock operation;

Art.No	Width	Color	Length	Strength	CE
HT-D0760	25mm	Orange	60cm	25kN	EN795
HT-D0780	25mm	Blue	80cm	25kN	
HT-D07120	25mm	Yellow	120cm	25kN	
HT-D07150	25mm	Grey	150cm	25kN	

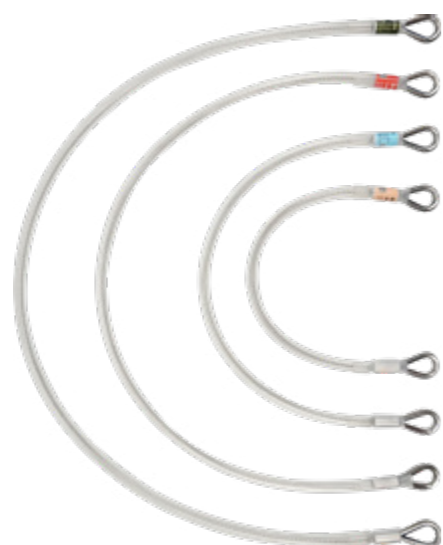


Anchoring Strap With 2 Steel Ring

- Made of high-strength polyester fiber;
- Two forged steel connection points are provided at both ends of anchor point flat belt

Ref.	Webbing Material	Webbing Width	Length	D-ring Material	Strength	CE
HT-MD10	Polyester	45mm	1.2m	Steel	22kN	EN795-B

Cable Anchor Sling



- Steel cable anchor point, which can be used for both arms of suitable structures such as round pipes and I-beams in the working environment;
- Stainless steel cable, aluminum sleeve, transparent anti-wear sleeve;
- Both ends of the connection ring can be used in each other;
- Steel cable anchor point is used for rough, sharp, large friction places, with anti-cutting, fire and wear resistance functions;
- The marking color can be identified and the system is easy to manage;

Ref.	Wire rope dia	Color	Wire rope length	Strength	CE
HT-MD1506	6.5mm	Yellow	0.6m	23kN	EN795-B
HT-MD1508	6.5mm	Blue	0.8m	23kN	
HT-MD15120	6.5mm	Orange	1.2m	23kN	
HT-MD15150	6.5mm	Green	1.5m	23kN	



Adjustable Anchoring Belt With 2 Steel Rings

- Made of high-strength polyester fiber;
- Two forged steel connection points are provided at both ends of the anchor flat belt
- Adjustable

Ref.	Webbing Material	Webbing Width	Adjustable length	D-ring Material	Strength
HT-MD10L	Polyester	45mm	0.8 to 1.5m	Steel	22kN





Stainless Steel Hanger Plates

- Stainless steel hanger plates and bolts for permanent anchor points.
- Available in 2 different bolt sizes.

Ref.	Material	Diameter	Strength	CE
HT-MD03-A	Stainless Steel	10mm	25kN	EN795-B
HT-MD04-A		12mm	30kN	



Anchor Kit

Ref.	Material	Diameter	CE
HT-MD03	Stainless Steel	10mm	EN795-B
HT-MD04		12mm	



Bolt

- Stainless steel hanger plates and bolts for permanent anchor points.
- Available in 2 different bolt sizes.

Ref.	Material	Diameter	Length
HT-MD03-B	Stainless Steel	10mm	90mm
HT-MD04-B		12mm	110mm



Rigging Plated 1/3 HT-N01

Aluminum 55kN
105g



Rigging Plated 3/5 HT-N02

Aluminum 55kN
239g



Rigging Plated 5/7 HT-N12

Aluminum 55kN
350g



Innovanted Roating Anchor HT-N03

Aluminum 30kN
98g



ASCENDER, DESCENDER AND BELAY DEVICES



HT-A01



HT-A02



HT-A03



HT-717L



HT-717R



HT-A04



HT-K01



HT-K02



HT-G03



HT-G02



HT-G07



HT-G06





Hand Ascender Left Hand
HT-A01

Aluminum 4kN
250g 9-12mm
CE EN567 , EN12841 type B



Hand Ascender Left Hand
HT-A02

Aluminum 4kN
250g 9-12mm
CE EN567 , EN12841 type B



Foot Ascender Left Foot
HT-717L

Aluminum 8-13mm
125g



Foot Ascender Right Foot
HT-717R

Aluminum 8-13mm
125g



Chest ascender
HT-A03

Aluminum 4kN
127g 9-12mm



Manually Operated Descender Device
HT-A04

Aluminum 2kN
340g 9-12mm



8 Figure
HT-K01

Aluminum 30kN
146g 8-13mm
EN15151-2:2013



8 Figure
HT-K02

Aluminum 40kN
252g 8-13mm
EN15151-2:2013





Rope Grab
HT-G03

Aluminum 2kN
170g 10-12mm



Rope Grab
HT-G02

Aluminum 2kN
220g 10-12mm



Rope Grab
HT-G07

SUS304 10-12mm
312g



Universal Pulley
HT-P08

Aluminum 32kN
300g <13mm
CE EN12278



Universal Pulley
HT-P07

Aluminum 26kN
198g <13mm
CE EN12278



Single Pulley
HT-P01

Aluminum 24kN
97g <13mm
CE EN12278



Wire Grab
HT-G06

SUS304 8mm & 10mm
493g



Wire Grab
HT-G08

Steel 11mm & 12mm
493g



Rope Grab
HT-G04

Steel 10-12mm
312g



Double Pulley
HT-P04

Aluminum 30kN
412g <15mm
CE EN12278



Double Pulley
HT-P03

Aluminum 30kN
250g <15mm
CE EN12278



Single Pulley
HT-P05

Aluminum 24kN
197g <13mm
CE EN12278





Half-Finger Gloves For Rope Rescue And Daily Climbing

- The training palm uses goat scalp, soft and wear-resistant;
- The back of the hand is made of elastic polyester fabric, the fingers can be bent freely, and the work is flexible;
- Fingertips and other high wear areas are thickened to increase durability;
- Wrist made of neoprene, Velcro Velcro, easy to wear;
- Wrist glow-in-the-dark logo to improve the safety of night work;
- The hand bowl is symmetrical 17mm keyhole, easy to use the lock to hang on the seat belt, handy to use;

Ref.	Material	Size	Weight
HT-1870	Polyester+Neoprene + Lycra	M	62.2g
		L	65.2g
		XL	68.3g



Full Finger Gloves For Rope Rescue And Daily Climbing

- The training palm uses goat scalp, soft and wear-resistant;
- The back of the hand is made of elastic polyester fabric, the fingers can be bent freely, and the work is flexible;
- Fingertips and other high wear areas are thickened to increase durability;
- Wrist made of neoprene, Velcro Velcro, easy to wear;
- Wrist glow-in-the-dark logo to improve the safety of night work;
- The hand bowl is symmetrical 17mm keyhole, easy to use the lock to hang on the seat belt, handy to use;

Ref.	Material	Size	Weight
HT-1871	Polyester+neoprene + Lycra	M	69g
		L	74.7g
		XL	78.2g

Hand Tool Bag

- Tool bags can be easily attached to any type of seat belt. Available in two sizes: S and L, S size for smaller tools (tape measure, pencil, screw, nut...) -L size for hand tools (hammers, screwdrivers...)
- 500D anti-wear fabric, PU waterproof coating.
- Elastic black tight-mouth rope is used for bag mouth

Ref.	Material	Volume	Size	Weight
HT-B059S	500D Polyester	2L	14.5x7x21.5cm	87g
HT-B059L		5L	15.5x8.5x23.5cm	112.1g



NEW



Equipment bag

- Used for rope rescue, storage of equipment or rope, wear-resistant, can be bucketed, can be unfolded flat, suitable for 1 full body harness and some equipment.
- The product uses YKK zippers, UTX buckles, 7 built-in zippered dispenser pockets, main locking padlock points, pass-through compartmentalized mesh pockets on both sides, 3 lateral fixing straps, and a helmet fixing link at the top for modular dispensing.
- Low-absorbent padded back, thickened waist belt and shoulder straps for improved comfort, suitable for long-distance load-bearing backpacks, with ID card position and 12 practical hanging points on the bag surface.



Ref.	Material	Volume	Size	Weight
HT-B0955	Nylon	55L	75x25x30cm	2785g

NEW



Equipment bag

- Used for rope rescue, storage of equipment or rope, wear-resistant, can be bucketed, can be unfolded flat, suitable for 1 full body harness and some equipment.
- The product uses YKK zippers, UTX buckles, 6 built-in zippered dispenser pockets, main locking padlock points, pass-through compartmentalized mesh pockets on both sides, 3 lateral fixing straps, and a helmet fixing link on the top for modular dispensing.
- Low-absorbent padded back, thickened waist belt and shoulder straps for improved comfort, suitable for long-distance load-bearing backpacks, with ID card position and 11 practical hanging points on the bag surface.



Ref.	Material	Volume	Size	Weight
HT-B0938	Nylon	38L	55x25x30cm	2333g



2 Liter Backpack

- The cloth bag uses a Velcro device, which is convenient to open and close the bag
- Suitable for use with seat belts and small items

Ref.	Material	Size	Weight
HT-B01	500D Oxford cloth	15x8x21cm	95g



Backpack

- Easy to open and close drawstring bag
- Suitable for use with seat belts and small items

Ref.	Material	Size	Weight
HT-B02	500D Oxford cloth	38*28cm	40g



Rope Bag (caving/tracing the river)

- PVC mesh cloth (1000D), high frequency compression, strong wear-resistant, soft and comfortable;
- The body and the bottom of the bag are formed to improve the strength;
- Special pocket fastener, which helps to open and close the pocket quickly;
- There is a straight lift on the top of the back, and a lateral lift on the side;
- The belt, shoulder strap and back are padded to feel more comfortable;
- Internal identification mobile phone card bag, designed for use in difficult conditions;
- With transparent window equipment identification card;
- There is a zipper small bag inside the bag, 5 hanging points;
- Side and top handle design, easy to carry;
- The upper flap has a glow-in-the-dark reflective film to improve the safety of night work;

Ref.	Material	Volume	Size	Weight
HT-B03	1000D Pvc/Nylon	45L	35*55cm	1500g



Rope bag (caving)

- PVC mesh cloth (1000D), high frequency compression, strong wear-resistant, soft and comfortable;
- Special pocket fastener, which helps to open and close the pocket quickly;
- With padded shoulder strap, it is comfortable to carry for a long time;
- There is a straight lift on the top of the back, and a lateral lift on the side;
- There are 2 rope head hanging points and 1 bag hanging point in the bag, which is convenient for lifting and lifting;
- Internal with identification mobile phone card bag, designed for use in difficult conditions;
- With transparent window equipment identification card;
- Side and top handle design, easy to carry;



Ref.	Material	Volume	Size	Weight
HT-B0535	1000D Pvc /nylon	35L	34*24*58cm	1055g
HT-B0560		60L	38*26*69CM	1285g



Rope bag (caving)

- PVC mesh cloth (1000D) high frequency compression, strong wear-resistant, soft and comfortable;
- Special pocket fastener, which helps to open and close the pocket quickly;
- It can keep upright when the bag is empty, and it is convenient to take the contents of the bag;
- Two large and comfortable handles to improve the efficiency of high-altitude work;
- Adjustable shoulder strap, can be comfortably carried on the shoulder;
- With transparent window equipment identification card;
- The top and side are equipped with 4 tool rings for easy operation and easy to carry tools;



Ref.	Material	Volume	Size	Weight
HT-B0625	1000D Pvc /nylon	25L	34*24*58cm	685g
HT-B0635		35L	34*24*69cm	855g



Stretcher

- The stretcher is made of non-toxic and non-polluting PE material, which has the functions of fire prevention, abrasion resistance and corrosion resistance;
- The stretcher is equipped with adjustable foot safety mechanism;
- The plastic bottom foam cushion provides comfortable support for the injured back;
- The stretcher is equipped with 4 slings for easy suspension and disassembly;
- Split structure to achieve more convenience for storage and transportation;
- This product can be used in a variety of angle environments such as vertical, translation, and slope;
- The structure of this rescue stretcher focuses on the particularity of first aid, such as rugged mountainous, air or sea rescue; the durable frame, simple and reliable device allows operators to take first aid measures safely and quickly.

Ref.	Material	Loading capacity	Size	Weight
HT-1971	PE	25L	218×62×18cm	21kg

Stretcher

- Attach the rope to the traction rope with the carabiner;
- The stretcher is equipped with 4 slings for easy suspension and disassembly;
- The roll structure provides more convenience for storage and transportation to adapt to irregular or narrow terrain;
- This product can be used in a variety of angle environments such as vertical, translation, and slope;
- This roll stretcher can be installed in a 45L backpack to reduce the difficulty of carrying during the journey;
- This rescue stretcher is suitable for all rope rescue techniques, especially in confined spaces;

Ref.	Material	Size	Weight
HT-1972	Nylon	82×71cm	3kg



Stretcher Board

- This stretcher board is made of PE material, which is non-release and pollution-free, strong and durable,
- X-ray transmission is available;
- The stretcher is equipped with a safety belt;
- The stretcher can be used in combination with the head holder;
- The simple and reliable device allows operators to take first aid measures safely and quickly;

Ref.	Material	Loading capacity	Size	Weight
HT-1973	PE	159kg	186×41×5cm	6.5kg



Head Holder

- This head holder is supported by high-density plastic, with two ear holes on both sides;
- Can be used with a slat stretcher;
- This head holder is waterproof, easy to clean, and anti-virus infection;

Ref.	Material	Size	Weight
HT-1975	Plastic	40×26×16cm	1kg