



KAPTOR[™]
TOOL TETHERS

DROP PREVENTION RANGE

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

DA300101, DL100501, DL100601, DL100011, DL100012, DL100021, DL100022, DL100041, DL100042, DL100701
AND DL100711

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the worker's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

Note: The user is advised to keep this user instructions document for the life of the product.

Very often, the consequences of a falling object are underestimated:

- Dropping a work tool also means the risk of destroying the tool, and the possible damage to property can also have serious consequences in terms of costs, as well as the lost time required by the worker to leave their work station to recover the tool.
- The Kaptor™ range of tool lanyards are the perfect solution for drop prevention of tools while working at height.

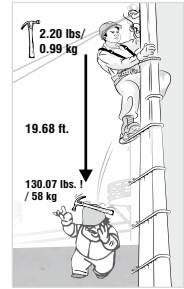
▲ Tool lanyards MUST NEVER be used for Fall Protection of any kind. Extreme caution must always be taken when operating or working near active machinery.

This manual is as per ANSI/ISEA 121-2018 and must be read and understood in its entirety and used as part of a fall protection training program as required by OSHA or any state regulatory agency. The user must fully understand the proper equipment use and limitations.

Accordingly, the KStrong Kaptor™ range has been developed to hold any type of tool that may accidentally fall and cause damage to property, or serious injuries or even fatalities to workers. In fact, objects dropped by workers are the second largest cause of worker deaths in the workplace.

WARNINGS

- Tool lanyards or similar products are never to be used as PPE.
- Never use any tool lanyards or its sub component beyond its capacity.
- Never modify or alter the product.
- Never tie a knot in the tool lanyards (including its sub systems).
- Be extra careful while using it around moving machinery.
- There should always be an appropriate distance in order to avoid a dropped tool hitting other objects during its arrest.
- Always select the tools according to the capacity shown in in the technical specification table.
- **The use of these tool lanyards (that are not PPE) does not exempt you from the obligation of wearing PPE, especially a safety helmet.**



Note: A. 2.2 lbs. / 0.99 kg Hammer hurts like it is 130 lbs. / 58 kg After falling from 19.68 ft. Refer to the illustration above.

TOOL TETHERS

On some occasions the tools a user has to carry for specific work at height do not come with built-in or prescribed tether options. KStrong Kaptor™ range of tool tethers is the perfect solution for such cases that help you make secure connections. Different tools require different tether option depending on their shape.

THE FUNDAMENTAL STEPS

- Choosing the attachment point on the tool.
- Choosing the lanyard connection.
- Choosing the anchor point.
- **Choosing the attachment point on the tool:**
 - This may be a hole on the handle or the body of the tool, **OR** the body of the tool may serve as an attachment point.
 - If the above options are not available, the attachment point may be created on the tool directly:

Different tools demand different tethering options



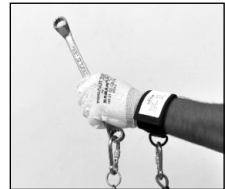
INSTRUCTIONS FOR CREATING AN ATTACHMENT POINT ON THE TOOL USING TOOLS ATTACHMENTS WITH SELF-MERGING RUBBER TAPE

Position: D-ring/connection point of tool attachment

- When installing the D-ring make sure of its placement so it can pivot freely.
- Fix the attachment D-ring to the tool using self-merging rubber tape:
 - (i) Clean the surface to be used and cut a piece of the tape to the desired length (i.e from one point to another it should have at least 10 loops for proper grip). The length should be adjusted based on the size of the tool/handle. Do not install on a conical tool.
 - (ii) Make the 1st winding around the handle, holding the tape in position and rolling it around the desired part (handle + attachment D-ring), until the tape is doubled over itself. This initial winding, tape on tape, will help to secure the future layers.
 - (iii) Make sure to maintain constant tension as you are handling it, and that each new layer of tape partially covers the bare part and partially the tape itself. This overlapping will help the tape to self-merge. The stretch should be 40 to 50% of the remaining length of the tape; this stretching ensures the application will hold.
 - (iv) The tape must be wound at minimum over the entire length of the attachment D-ring in one direction and covered a second time over itself in the other direction. The last layer of tape must be wound completely over the previous layer without overlapping. Maximum tension is not necessary on the last layer.



Watch Out for the Direction!



The tape layers will start to self-merge immediately with permanent adhesion within 24 hours. Repositioning is not recommended. Even though the silicone tape may be used under wet or oily conditions, an application on a clean, dry surface is recommended. The tape is not reusable, but additional tape layers can be added at any point in time.

After application and curing time, always check the strength of the application by testing it with a 3 lbs/ 1.3 kg load. Perform this test before every use.

USAGE COMPATIBILITY:

Always use with the attachment D-ring applied and a stretch lanyard for connecting the tool, which can absorb the energy if the tool falls (e.g. DL100011, DL100012 i.e. all Tool Tethers)

Note: Maximum tool load for this type of attachment (Tool Attachment + Self-Merging Rubber Tape): 3 lbs/ 1.3 kg

BEST SUITED FOR PEOPLE WORKING IN:

Confined spaces, Overhead work, Facilities management, Platforms and scaffolding.

TECHNICAL SPECIFICATIONS

Category	Product Name	Product Code	Rating	Length	Material
Tool Tether	Hard Hat Lanyard	DA300101	2 lbs./ 0.90 kg	34" expanded; 16" relaxed	Polyester
Tool Tether	Spring Tool Lanyard	DL100501	2 lbs./ 0.90 kg	60" expanded; 4" relaxed	PU
Tool Tether	Clip To Loop Spring Lanyard	DL100601	2 lbs./ 0.90 kg	24" expanded; 7" relaxed	PU
Tool Tether	Single Leg Tool Lanyard	DL100011	10 lbs./ 4.5 kg	53" expanded; 35" relaxed	Polypropelene
Tool Tether	Twin Leg Tool Lanyard	DL100012	10 lbs./ 4.5 kg	53" expanded; 35" relaxed	Polypropelene
Tool Tether	Single Leg Tool Lanyard	DL100021	22 lbs./ 9.9 kg	53" expanded; 35" relaxed	Polypropelene
Tool Tether	Twin Leg Tool Lanyard	DL100022	22 lbs./ 9.9 kg	53" expanded; 35" relaxed	Polypropelene
Tool Tether	Single Leg Tool Lanyard	DL100041	22 lbs./ 9.9 kg	45" expanded; 28" relaxed	Polypropelene
Tool Tether	Twin Leg Tool Lanyard	DL100042	22 lbs./ 9.9 kg	45" expanded; 28" relaxed	Polypropelene
Tool Tether	Single Leg Tool Lanyard	DL100701	35 lbs./ 15.8 kg	61" expanded; 44" relaxed	Polypropelene
Tool Tether	V-Ring Anchor Attachment	DL100711	80 lbs./ 36.2 kg	77"	Polyester

KNOW YOUR TOOL TETHERS

HARD HAT LANYARD



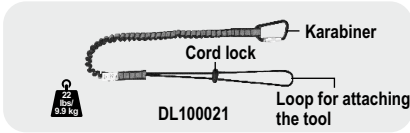
SPRING TOOL LANYARD



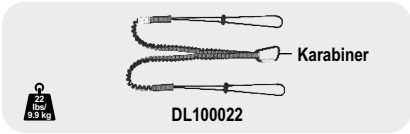
CLIP TO LOOP SPRING LANYARD



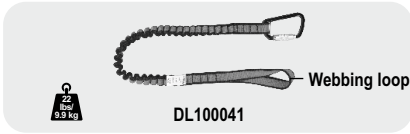
SINGLE LEG ELASTICATED TOOL LANYARD



TWIN LEG ELASTICATED TOOL LANYARD



SINGLE LEG ELASTICATED TOOL LANYARD



TWIN LEG ELASTICATED TOOL LANYARD



SINGLE LEG ELASTICATED TOOL LANYARD



SINGLE LEG TOOL LANYARD



STEPS TO USE HARD HAT LANYARD

2 lbs / 0.90 kg



Take the free end of the lanyard and loop it through a captive hole on the Helmet accessory slot or suspension.



Take the connector end of the lanyard and pass it through the clamp.



Press the clamp down to ensure the connection is secure.



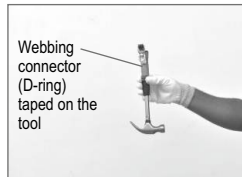
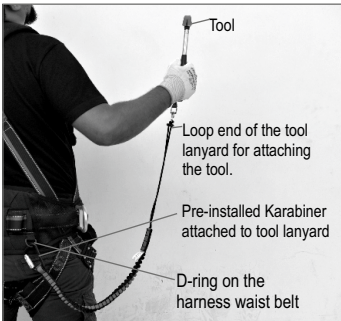
To attach clamp versions, take the clamp end of the lanyard and attach it to a shirt collar.



For all styles, double check to ensure the connection is secure.

STEPS TO USE SINGLE / DOUBLE LEGGED ELASTICATED TOOL LANYARD

10 lbs / 4.5 kg



Double Legged Lanyard

- This tool lanyard has two ends, one end comes with pre-installed karabiner and the other with a loop.
- Attach the desired tool to the lanyard loop.
- Now attach the karabiner of the tool lanyard to the D-ring of the waist belt of the harness.
- Tool lanyard is ready for use.

Note: Prior to using this product, user must ensure that the tool to be attached on the lanyard is tightly taped with the appropriate connector.

Warning!

Do not anchor tools weighing more than 10 lbs./ 4.5 kg on user's body. For such heavy tools it is advised to anchor them on separate anchor structure.

CLIP TO LOOP SPRING LANYARD2 lbs /
0.90 kg

- This spring lanyard is used for additional tool attachments.
- This comes with a clip on one end and a thread loop at the other.
- The clip is simply attached to the D-ring provided at the Mobile Pouch.
- The thread loop has to be cinched around the equipment antenna.
- This arrangement doubles the security of your equipment.

SPRING TOOL LANYARD2 lbs /
0.90 kg

For adding an additional tool to your wristband, attach the spring lanyard to the D-ring of the wristband.



Connect the Karabiner of the spring lanyard to the d-ring of wristband holder.



Now the wristband holder is ready to use.

INSPECTION:

- **A visual inspection is essential before using any KStrong equipment.**
- **Before each use**, make sure you find no signs of cuts, wear, discoloration, deformation, corrosion, etc. When in doubt, the equipment should be replaced.
- Do not use this equipment beyond its weight limit.
- Always check the connection to the tool before each use.
- Tool Lanyards that have been used to arrest a falling tool should be taken out of service.

MAINTENANCE AND CLEANING

- Proper care is important for maintaining the safety and longevity of the tool lanyards. Before and after each use, remove all dirt, corrosives, and other contaminants from the KStrong Tool Lanyards.
- Do not wrap lanyards around sharp or rough edges. Lanyards should not be used with blades, knives, etc.
- If the KStrong Tool Lanyards cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry, or allow to dry in an environment absent of excessive heat and light.

STORAGE AND TRANSPORTATION

- When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other corrosive elements.
- The product should be kept & transported in its original packaging or in airtight packaging.

DISPOSAL

Steps to dispose tool lanyards when deemed unfit for use:

- Spread the tool lanyard on a table / flat surface.
- Inspect the wear & tear present on the tool lanyard.
- If any wear and tear is observed, dispose the lanyard using a sharp scissor; first cut the Textile and dismantle the tool lanyard.

NOTE

Do not attempt to disassemble the unit or make repairs to the equipment unless authorized to do so. Send the equipment back to the manufacturer, or persons or entities authorized in writing by the manufacturer to make repairs to the equipment.

⚠ WARNING

After every use or if the tool lanyard has arrested a tool fall, the tool lanyard should be checked by a competent person. If deemed not fit for use, it should be immediately removed from use.



KAPTOR™

DROP PREVENTION RANGE

ANCHOR ATTACHMENTS | TOOL ATTACHMENTS | TOOL TETHERS

APPLICATIONS:

TELECOMMUNICATIONS, MUNICIPALITIES, CONSTRUCTION, UTILITIES,
ARBORISTS, OIL & GAS, PUBLIC SAFETY, SURVEY CREWS, RAILWAYS.



THIS IS NOT A FALL
ARREST EQUIPMENT.

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