

Safety lanyards are a workers vital link to their fall protection anchor point. Lanyards are typically short sections of webbing or cable that are usually attached to the D-ring of a fall protection harness. Lanyards can come with a shock absorbing feature or simply be a short connection that attaches to a lifeline or fall protection anchor point.

# LANYARD

---

## SELECTION & USE



# CONNECTOR

FUSION's connector options vary as you can see. These provide you with the security to get your job done safely. Remember the 3,600 lb gate rule that ANSI Z359 requires, and OSHA adopted, when choosing your lanyard.

## HITCHED LOOP



## FLAT LOOP



## GEAR LOOP



# HARDWARE

FUSION's hardware options vary as you can see. These provide you with the security to get your job done safely. Remember the 3,600 lb gate rule that ANSI Z359 requires, and OSHA adopted, when choosing your lanyard.

Check [CARABINER SELECTION & USE](#) to learn more about carabiners.

# WEBBING TYPE

Choosing the proper lanyard includes determining the proper webbing type to be used, the correct length and even the standards to which the product must meet such as ANSI Z359.12-2009.

Webbing comes in various styles, and depending on the many different webbing used in lanyards, needs to be determined for either highly abrasive, corrosive or flammable environments. Be sure to recognize the working hazards that your fall protection gear could be exposed to and consult with a competent person, as defined by OSHA, to determine the best lanyard to choose.

## FLAT



## ELASTIC



# SHOCK ABSORBER

Lanyards can be created with a choice of shock absorbers as well as connector and hook options. FUSION's shock absorbers are designed in pack or tubular design, that is either stretchable or non-stretchable.

FUSION's shock absorbers are made to ANSI standards.



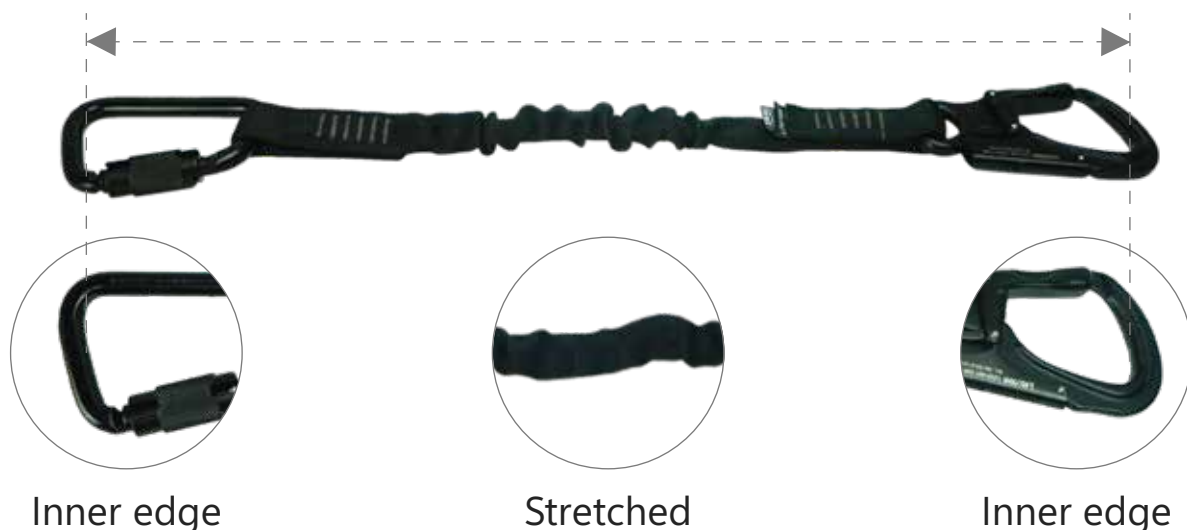
# STANDARD METHOD OF MEASUREMENT

The standard method in which FUSION calculates and measures the effective length of a lanyard is simple. For lanyard type with loop to loop or loop to hardware configuration, one should start measurement from one end of the inside edge of the loop or hardware, to the other end of the inside edge of the loop or hardware.



## ADJUSTABLE / STRETCH TYPE







For adjustable or stretch-type lanyard, the way in which we take our measurement will be to start your measurement from one end of the lanyard. (Inner edge of the metal/connector or loop to the other inner edge of the metal/metal connector or loop.) The effective length claimed in the specs will be the maximum length that the lanyard will adjust to. The minimum length for the adjustment of the lanyard will vary, and should not be specified. (Note: The stated length will be the fully stretched length, not retracted length.)



# LENGTH

The length of the lanyard is a critical consideration as well. While lanyards vary in length, the standard lanyard is 6 feet long. Shorter and longer lengths can be used if determined safe to use by your competent person. Minimizing the free fall distance is a big consideration when selecting the proper length.

# CHART

PREFIX	TYPE	EXPLANATION
LH	Helo	
LHY	Helo Y-Legged	
LS	Single	
LY	Y-Legged	
LSP	Shock Pack	
LYSP	Shock Pack Y-Legged	

## **SPECIALTY LANYARD**

A specialty lanyard typically serves a specific purpose or function beyond basic safety. For example, some specialty lanyards may be designed to absorb energy in the event of a fall, while others may be adjustable in length or feature additional attachment points for equipment. These specialized lanyards can provide greater flexibility and safety in certain situations, depending on the needs of the user.

## **SHOCK ABSORBING LANYARD**

FUSION's Shock Absorbing Lanyard is used when the exposure for a fall is present. All shock absorbing lanyards meet the stringent ANSI Z359.13-2013 regulations, and the integrated shock absorbing component limits average arresting forces to 900 lbs or less. 6 feet long, comprised of 1" or 1.75" nylon webbing and available in a variety of connector options, including steel and aluminum snap hooks and rebar hooks, all of which make it one of the most functional and durable lanyards on the market.

## **ELASTIC/BUNGEE STYLE LANYARD**

The Elastic / Bungee style Lanyard is ideal for Fall Arrest applications in confined or tight spaces, and or on activities where tripping hazard could occur. Its stretching capability helps reduce hazards of tripping or catching on moving parts. This type of lanyard stretches from various length. If it states 6' as the length, then this means that will be the maximum length that the lanyard will stretch to. The stated length will also include the integrated shock absorbing component if its present. It is available in both single and double leg

## **SELF RETRACTABLE LANYARD**

Self Retractable Lanyards (SRL) can be used for support in personal fall arrest applications. Light weight and practical design to replace standard tethers or lanyards. No free fall is permitted. SRL must always be positioned at or above harness dorsal D-ring. High strength carabiner and snap hooks are some of the choices for the anchor.

# HELO RETENTION LANYARD

The FUSION HELO Retention Lanyard is constructed for rescue use on helicopters and is available in standard extended lengths of 2, 3 and 4 ft. Custom lengths are available on request. Being a critical piece of gear, it's extended length is made to allow you to sit on planks. Stainless steel quick-release shackles are used and rated at 18 kN with a swaged pin and a welded ring to prevent accidental release. Opening of shackle diameter is 1/4". MIL-SPEC rated tubular webbing is 4,000 lb rated, with thread made of industrial grade nylon bonded T-131 thread for maximum strength of load bearing equipment. The ends of the lanyards can include webbing loops, rubberized handle bars, aluminum snap hooks or carabiners.