

The wire rope lanyard with shock-absorbing device is composed of a shock absorber to which a 3/16-in. (16 mm) vinyl covered wire rope lanyard is attached. The shock absorber is covered with a tubular polyester sleeve. It is designed to be used as a connecting device in a personal fall arrest, work positioning or travel restraint system. The wire rope lanyard with shock-absorbing device is recommended where the chemical, abrasive or heat conditions would greatly affect synthetic made lanyards.

When a fall occurs, the sudden stop caused by the fall arrest system submits the human body to a high impact force (the longer the free fall distance, the higher the force).

The purpose of the shock absorber is to lower the impact force experienced in a fall by dissipating the kinetic energy and controlling deceleration. The shock-absorbing device is made of a specially woven webbing that elongates through tearing on its weave and stitching. This action limits the impact force to less than 900 lbs. (4 kN).

The dual arm model allows the worker to remain safely connected at all time (100% tie-off) while climbing or on the move.

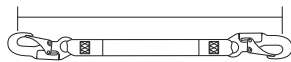
For further information, refer to the "Use and Maintenance Instructions" for harnesses, belts and lanyards.

Feature

- Vinyl covered

Sizes

- 4, 5 and 6 ft. (1.2, 1.5 and 1.8 m) only



Size of lanyards are based on measurement from inside to inside hook.

Applications

- Welding
- Chemical environment
- High-abrasion environment

Applicable standards

- ANSI/ASSE Z359.1-2007 (some models)
- ANSI/ASSE A10.32-2004
- OSHA 1926 and 1910
- CSA Z259.11-05, class E4

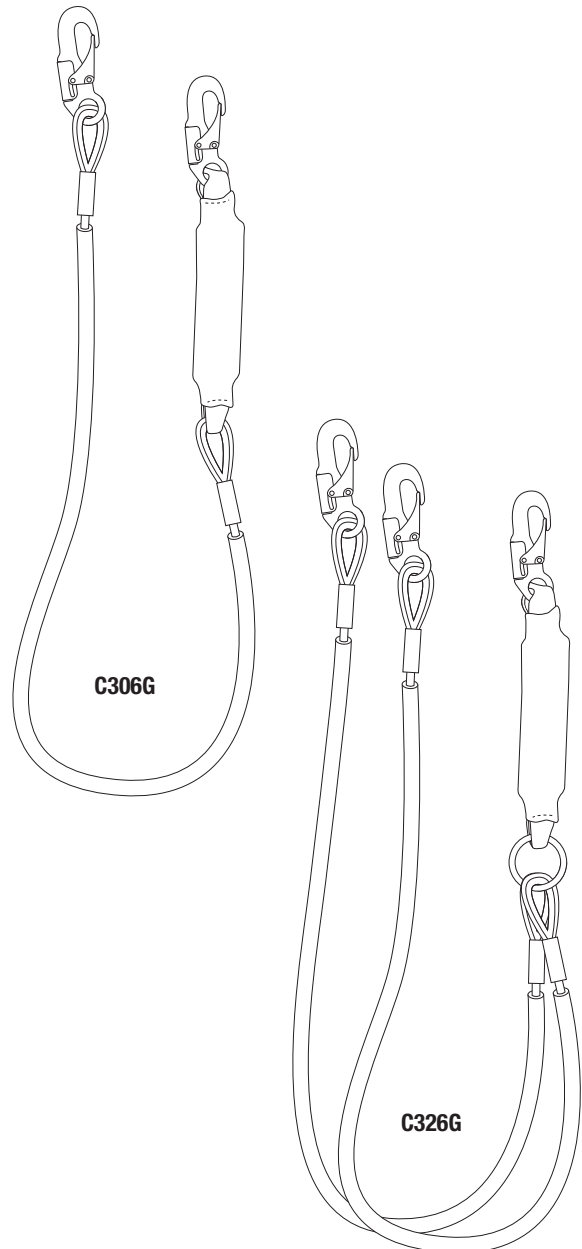
Available models that meet

ANSI/ASSE Z359.1-2007

All shock-absorbing lanyards have a 3/4-in. (19 mm) self-locking snap hook on one end.

- | | |
|-------|--|
| C306Z | 6 ft. (1.8 m) with a 3/4-in. (19 mm) self-locking snap hook on the other end |
| C326Z | 6 ft. (1.8 m) with a 2 1/4-in. (57 mm) self-locking snap hook on the other end |

For information on Tractel connectors, refer to technical sheet T-4536.



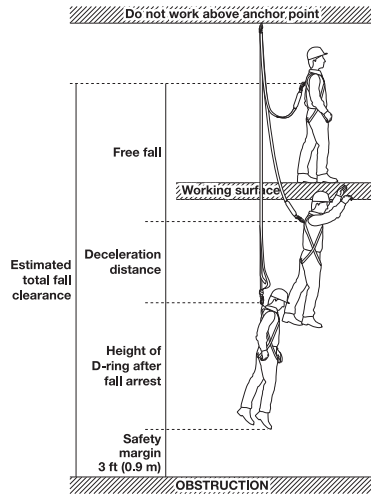
Available models that meet

ANSI/ASSE 10.32-2004 ONLY

All shock-absorbing lanyards have a 3/4-in. (19 mm) self-locking snap hook on one end.

- | | |
|-------|--|
| C306G | 6 ft. (1.8 m) with a 3/4-in. (19 mm) self-locking snap hook on the other end |
| C326G | 6 ft. (1.8 m) with a 2 1/4-in. (57 mm) self-locking snap hook on the other end |

For information on Tractel connectors, refer to technical sheet T-4536.



WARNING

When choosing an anchorage point, take into consideration the deceleration distance. The shock absorber can elongate up to 42 in. (1.1 m) as it extends during activation.

Free fall distance must never be greater than 6 ft. (1.8 m). Consult local regulations as permitted free fall distance may be less than 6 ft. (1.8 m).

PARTS	SPECIFICATIONS	APPLICABLE STANDARDS
Tear webbing	Minimum tearing force: 500 lbs. (2.2 kN) Maximum impact force: 900 lbs. (4 kN) Maximum deployment length: 42 in. (1.1 m)	ANSI Z359.1-2007 ANSI 10.32-2004 CSA Z259.11-05, class E4
Shock absorber webbing	High tenacity polyester Width: 1¾ in. (45 mm) Thickness: ¼ in. (1.4 mm) Tensile strength: 5,700 lbs. (25.4 kN) Webbing is heat-cut to prevent fraying.	ANSI Z359.1-2007 ANSI 10.32-2004 CSA Z259.11-05, class E4
Shock absorber protective cover	High tenacity polyester Width: 3¾ in. (85 mm) Tubular construction	ANSI Z359.1-2007 ANSI 10.32-2004 CSA Z259.11-05, class E4
Wire rope	Galvanized aircraft cable 7 x 19 Wire rope dia.: ¼ in. (6 mm) Wire rope w/ vinyl dia.: ⅝ in. (8 mm) Tensile strength: 7,000 lbs. (31.1 kN)	ANSI Z359.1-2007
Stitching	Lanyard is lock-stitched. Thread: #138 polyester	CSA Z259.12-01
Termination	Swaged with steel thimble both ends	
¾-in. (19 mm) self-locking snap hook (43601 – Z hook)	Plating: zinc dichromate Proof-loaded 100% at 3,600 lbs. (16 kN) Tensile strength: 5,000 lbs. (22.2 kN) Gate strength: side and face 3,600 lbs. (16 kN)	ANSI Z359.1-2007 ANSI 10.32-2004 CSA Z259.12-01
¾-in. (19 mm) self-locking snap hook (45000 – G hook)	Plating: zinc dichromate Proof-loaded 100% at 3,600 lbs. (16 kN) Tensile strength: 5,000 lbs. (22.2 kN) Gate strength: side 350 lbs. (1.6 kN), face 220 lbs. (1.0 kN)	ANSI 10.32-2004 CSA Z259.12-01
Capacity	310 lbs. (140 kg), one person	ANSI Z359.1-2007 ANSI 10.32-2004 CSA Z259.11-05, class E4