

Fall Protection

Personal fall arrest products and systems have advanced tremendously in the last 10 years. ANSI and OSHA regulations have much to do with clear and stringent requirements that have been placed on the manufacturers and users of these potential life saving products.

OSHA 1926.502(d)(21) states “Personal fall arrest systems shall be inspected prior to each use for wear, damage, and other deterioration, and defective components shall be removed from service.

General industry standard ANSI Z359 2007, section 5.5: “Fall protection and rescue equipment shall be inspected on a regular basis not to exceed one year (or more frequently if required by manufacturer’s instructions) by a competent person or competent rescuer, as appropriate, to verify that the equipment is safe for use. The inspection shall be documented.”

Construction standard ANSI A10 32-2004 section 6.3.2: “Formal inspections shall be made by either a competent person or qualified person on a least a semi-annual basis. Suggested examination periods are 3/1 to 3/31 and 9/1 to 9/30 for each employer.” (Manufacturers suggested)

Note that both parts of ANSI state that the worker must inspect the prior to every use and the formal inspections be documented. Manufacturers include instructions with all products and recommends that you follow the ANSI A10 guideline which is a semi-annual inspection. It’s important that the workers comply with the manufacturers care and maintenance stipulations

Over 222,000 people are injured each year in North America while using ladders. Under the provisions of OSHA 29 CFR 1926, Sub Part X employers must enable each employee to recognize hazards related to ladders.

Coordinated Wire Rope stocks a wide variety of harnesses, lanyards, self retracting lifelines, and grabs. Call CWR for any special fall protection or rescue needs as the following pages only represent a small portion of these type products available.

Spec Sheet for 7035L (Large) Journeyman Full Body Harness



Features:

- Three D-ring's (Fall Arrest and Positioning)
- 5-Point adjustability
- 9-Position, heavy-duty tongue buckle leg straps
- 10" StayPut shoulder pads
- 6" Waist Pad/Positioning Assembly
- Heavy-duty, removable workbelt
- Torso strap friction adjusters
- 2 Lanyard keepers
- 7,000lb polyester webbing
- Rated for a maximum capacity of 400lbs
- Impact indicating Safety Tabs
- Available sizes: 7035XS, 7035S, 7035M, 7035XL, 70352X, 70353X and 70354X

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Material:	Finish / Style #:	Tested at:
1-3/4" Yellow Polyester Webbing	3-58 Yellow	TS: 7,000lbs
1-3/4" Black Heavy-Duty Polyester Webbing	3-57A Black	TS: 8,000lbs
Chest Strap Mating Buckle, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
Friction Buckle Front Torso Adjusters, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
1-3/4" Tongue Buckle, Leg Straps/Belt, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
D-ring's, Forged Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Grommets, Leg Straps	Brass	N/A
Lanyard Keepers	Chrome	N/A
Webbing Keepers	Plastic	N/A
Stress-indicating Safety Tabs		
Warning Labels		
Instructions		
Meets or exceeds applicable OSHA and ANSI standards, including ANSI Z359.1-2007		

Testing References:	
Webbing:	ANSI Z359 3.2.2.2 – 3.2.2.7
D-rings:	ANSI Z359 3.2.1.5 and 3.2.1.7
Buckles:	ANSI Z359 3.2.1.6
Harness:	ANSI Z359 3.2.2.7
Testing Procedure:	ANSI Z359 4.3.3.1 and 4.3.3.2
Performance Rating:	5,000lbs Static Load

OSHA requires that the employer shall provide a training program for each employee who might be exposed to fall hazards. As part of the training program, the user of this product must:

- Become familiar with all instructions contained in the product manual
- Be trained in the correct use and care of their equipment
- Be aware of its application limitations
- Know and understand the consequences of improper use
- FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH

Spec Sheet for 7038 WeldTech Full Body Harness



Features:

- Three D-ring's (Fall Arrest and Positioning)
- 5-Point adjustability
- Quick-connect buckle leg straps
- Mating buckle chest strap
- Torso strap friction adjusters
- 2 Lanyard keepers
- 10,000lb Extremely durable Kevlar webbing
- Kevlar stitching using offsetting natural (yellow) color thread
- Extreme heat and abrasion resistance
- Rated for a max capacity of 310lbs
- Impact indicating Safety Tabs
- Available sizes: 7038 (Universal) and 7038XL

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Material:	Finish / Style #:	Tested at:
1-3/4" Black Kevlar Webbing	6328 Black	TS: 10,000lbs
Chest Strap Mating Buckle, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
Friction Buckle Front Torso Adjusters, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
Quick-connect Buckles, Alloy Steel	YCM – Yellow Cadmium	TS: 4,000lbs
D-ring's, Forged Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Lanyard Keepers	Chrome	N/A
Webbing Keepers	Plastic	N/A
Stress-indicating Safety Tabs		
Warning Labels		
Instructions		
Meets or exceeds applicable OSHA and ANSI standards, including ANSI Z359.1-2007		

Testing References:	
Webbing:	ANSI Z359 3.2.2.2 – 3.2.2.7
D-rings:	ANSI Z359 3.2.1.5 and 3.2.1.7
Buckles:	ANSI Z359 3.2.1.6
Harness:	ANSI Z359 3.2.2.7
Testing Procedure:	ANSI Z359 4.3.3.1 and 4.3.3.2
Performance Rating:	5,000lbs Static Load

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Spec Sheet for 7232 30' DuraTech Self-Retracting Lifeline



Features:

- 3/16" Galvanized cable has a tensile strength of 4,000lbs
- Aluminum housing and drum are durable, lightweight and resistant to corrosion
- High-strength aluminum alloy main shaft for lighter weight
- Spring and ball buffer assembly helps prevent lock-up from free-wheeling
- Features load-indicating carabiner for back D-ring attachment
- Limits arrest forces to 900lbs or less
- Weight: 18lbs
- Fully serviceable
- Available sizes: 7229 (25')

Like Styles: 7232HW – 30' Heavyweight SRL (Rated for 400lbs)

Like Styles: 7232SS – 30' SRL with Stainless Steel Cable, Pressure Plate and Swivel Carabiner

Like Styles: 7232S – 30' SRL with Stainless Steel Cable

Like Styles: 7229S – 25' SRL with Stainless Steel Cable

Material:	Finish / Style #:	Tested at:
Cast CNC Machined Aluminum Housing	Aluminum	N/A
Cast CNC Machined Aluminum Drum Assembly	Aluminum	TS: 3,000lbs
Bronze Pawls	Bronze	TS: 3,000lbs
Main Spring	Alloy Steel	N/A
3/16" 7 x 19 Galvanized Steel Cable	Galvanized	TS: 4,000lbs
Double-locking Load-indicating Carabiner, Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Warning Labels		
Instructions		
Meets or exceeds applicable OSHA and ANSI standards, including ANSI Z359.1-2007		

Technical References:	
Self-Retracting Lifeline:	ANSI Z359 2.5.8 / 3.2.8 / 4.3.7 / 4.3.8
Max Arrest Force:	< 1,800lbs
Max Arrest Distance:	< 54"
Testing Procedure:	ANSI Z359 4.3.7.1 – 4.3.7.4
Performance Rating:	3,000lbs Static Load

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Spec Sheet for 7250 Deluxe Rebar Positioning Lanyard



Features:

- 9/32" Grade 80 chain has a tensile strength of 10,000lbs
- Double-swivel rebar hook as a 2.5" gate opening and bi-directional swivel
- Offset clevis hooks eliminate unnecessary parts and reduce weight

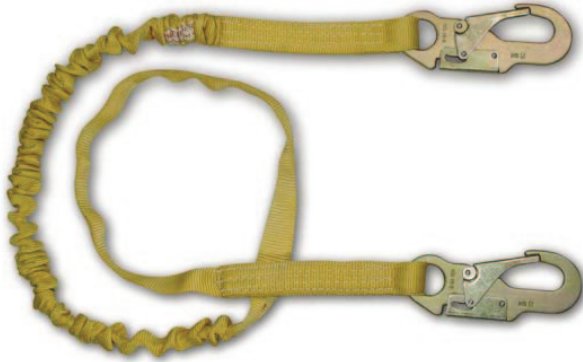
Material:	Finish / Style #:	Tested at:
2" Grade 80 Chain	8-6C Black	TS: 10,000lbs
Offset Clevis Snaphook, Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Double-swivel Rebar Hook	YCM – Yellow Cadmium	TS: 5,000lbs
Meets or exceeds applicable OSHA and ANSI standards including A10.32-2004		
Warning Labels		
Instructions		

Testing References:	
Chain:	ANSI A10.32 4.6.1.4
Shock Absorber:	Not Applicable
Snaphooks:	ANSI A10.32 4.5.2.2 / 4.5.3 / 4.5.5
Testing Procedure:	ANSI A10.32 7.1.1.4
Performance Rating:	<1,400lbs Max Arrest Force
Performance Rating:	5,000lbs Static Load

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Spec Sheet for 7259 Internal Shock Absorbing Lanyard



Features:

- Single-leg lanyard for fall arrest
- Internal shock absorber designed to limit arrest forces to 900lbs
- Lightweight design is an enduser favorite
- 1.25" Tubular Polyester webbing has a tensile strength of 6,000lbs
- Double-locking snaphooks at the attachment and anchorage ends

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Material:	Finish / Style #:	Tested at:
1.25" Tubular Polyester Webbing	3-0A Yellow	TS: 6,000lbs
Internal Shock Absorber Webbing	3-0B Natural	450lb Activation
Regular Snaphooks, Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Warning Labels		
Instructions		
Meets or exceeds applicable OSHA and ANSI standards, including ANSI Z359.1-1992 (R1999)		

Technical References:	
Webbing:	ANSI Z359 3.2.3.1
Shock Absorber:	ANSI Z359 2.23, 3.2.4
Snaphooks:	ANSI Z359 2.63, 2.63.1, 3.2.1
Testing Procedure:	ANSI Z359 4.2.9
Performance Rating:	1,800lbs Max Arrest Force
Performance Rating:	5,000lbs Static Load

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Spec Sheet for 7259Y3 Internal Shock Absorbing Lanyard



Features:

- “Y”-leg lanyard for fall arrest and 100% tie-off
- Anchorage end rebar hooks have a 2.25” gate opening and allows a broader range of connections
- Internal shock absorber designed to limit arrest forces to 900lbs
- Lightweight design is an enduser favorite
- 1.25” Tubular Polyester webbing has a tensile strength of 6,000lbs
- Double-locking snaphook at attachment end and two rebar hooks at anchorage ends

Material:	Finish / Style #:	Tested at:
1.25” Tubular Polyester Webbing	3-0A Yellow	TS: 6,000lbs
Internal Shock Absorber Webbing	3-0B Natural	450lb Activation
Regular Snaphook, Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Regular Rebar Hooks, Alloy Steel	YCM – Yellow Cadmium	TS: 5,000lbs
Warning Labels		
Instructions		
Meets or exceeds applicable OSHA and ANSI standards, including ANSI Z359.1-1992 (R1999)		

Technical References:	
Webbing:	ANSI Z359 3.2.3.1
Shock Absorber:	ANSI Z359 2.23, 3.2.4
Snaphooks:	ANSI Z359 2.63, 2.63.1, 3.2.1
Testing Procedure:	ANSI Z359 4.2.9
Performance Rating:	1,800lbs Max Arrest Force
Performance Rating:	5,000lbs Static Load

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