



PROTECTA
Fall Protection

United States

Meeting standards.

**Elevating
expectations.**

3M™ Protecta®
Full Line Catalog
Fall 2016



The sky's the limit.

Every at-height worker deserves to be protected, no matter the size or nature of the job. That's why Protecta® has become the choice of safety managers looking for reliable fall protection solutions that comply with safety regulations and help their workers get the job done. Now, as a part of 3M—a global and trusted brand in safety—3M™ Protecta® is a leader in the industry for fall protection solutions that are both practical and reliable.



Dependable and compliant fall protection. Period.

We're no strangers to harsh conditions. For years, 3M™ Protecta® Products have provided at-height workers with a combination of practical affordability and simple compliance. From basic harnesses and lanyards, to more complex, industry-specific anchorage connectors, we offer a wide range of gear for specialized needs and budgets without compromising on quality. Our gear meets or exceeds the world's most stringent standards and codes—ANSI, OSHA, CSA and CE, as well as local and state codes.

Certified and tested.

Our onsite ISO 17025 accredited lab allows us to simulate heat, cold, moisture, corrosion and abrasion—the challenges you face every day. We conduct dynamic and static strength tests, both in the field and in our ISO 90001 certified manufacturing facilities, ensuring you get high quality, reliable fall protection.

Table of contents

Full-body harnesses.....	6
Self-retracting lifelines.....	12
Shock-absorbing lanyards	16
Vertical and horizontal systems	24
Anchorage connectors	28
Fall protection kits.....	32
Confined space and rescue.....	36
Part number and page index	40

For product inquiries:
3M.com/FallProtection
800-328-6146
3MFallProtection@mmm.com

The ABC's of fall protection

The ABC's are an easy way to remember the components of fall protection. "A" stands for Anchorage, "B" is Body support and "C" is the Connection between them. But don't forget the other important components of a comprehensive fall protection program: "D" for Descent and rescue of a fallen worker and "E" for Education.

A

Anchorage

are a secure point of attachment. Anchorage connectors vary by industry, job, type of installation and structure. They must be able to hold fast under more than a ton of force generated in a fall.



B

Body support

harnesses distribute fall forces over the upper thighs, pelvis, chest and shoulders. They provide a connection point on the worker for the personal fall arrest system.

C

Connectors

such as shock-absorbing lanyards or self-retracting lifelines, connect the worker's harness to the anchorage.





D

Descent and rescue

devices are used to retrieve an injured worker or lower him to the ground.

E

Education

is essential. We offer a variety of training and consultative services.

Our site or yours.

Training, anytime, anywhere.

When it comes to helping you protect your work site, we deliver. We offer world-class training courses and facilities, based on standard curriculums or custom programs specific to your jobsite. Our comprehensive training provides practical, hands-on experience, including: scaffolding, fixed ladders, towers, sloped roofs, rebar walls, elevated catwalks, I-beams and confined spaces. Every course we offer meets or exceeds industry standards set by OSHA, MSHA, ANSI, CSA and CE.



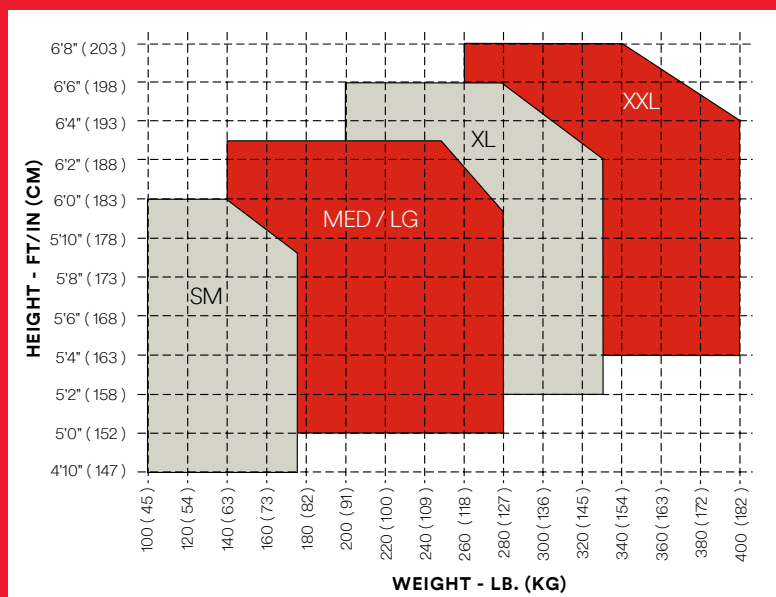


Full-Body Harnesses

Productivity. Comfort. Safety. Simple.

Reduced worker fatigue and increased productivity is within reach. The improved fit, lightweight hardware and padding and updated colors make 3M™ Protecta® Full-Body Harnesses an excellent choice for comfort, style and safety on the job. Plus, each harness features built-in lanyard keepers and a worker capacity of up to 420 lbs. (190 kg). These harnesses meet OSHA and ANSI standards, including the stringent ANSI Z359.11.

Harness Sizing Chart



3M™ Protecta® Full-Body Harnesses

1 Comfort padding

Select models feature cushioning on shoulders, back and legs for increased comfort and additional security in a fall.

2 Dorsal D-ring

Make easier connections with the conveniently adjustable D-ring, which is built from high-quality alloy steel for strength and durability.

3 Lanyard keepers

Help prevent accidental entanglements by “parking” lanyards here when not in use.

4 Built-in impact indicator

Simplifies inspection for prior fall events.

5 Spring-loaded torso buckles

Provide fast and easy adjustment on the job.

6 Lightweight hardware

Reduces weight and fatigue. Increases comfort and productivity.

7 Body belt and hip pad

Add lumbar support, positioning capabilities and tool carrying capabilities.

8 Multiple connection points

Enhance versatility, allowing harness to be used for many different jobsite applications.

9 Tongue-buckle legs

Simple, fast and easy adjustment. An excellent choice when more than one worker uses a harness.



Quick-connect buckle



Pass-through buckle

Standards compliance

Meets OSHA and ANSI standards, including the stringent ANSI Z359.11.



Model shown
1191209

Full-Body Harnesses

3M™ Protecta®

Construction-Style Positioning Harnesses

Construction-Style Positioning Harness

Back D-rings, hip pad and belt with side D-rings, shoulder pads, tongue-buckle legs.

1191208 Small

1191209 Medium/Large

1191210 XLarge



Construction-Style Positioning Harness

Back D-rings, hip pad and belt with side D-rings, shoulder pads, pass-through leg straps.

1191226 Small

1191227 Medium/Large

1191228 XLarge



Construction-Style Positioning Harness with Comfort Padding

Back D-rings, hip pad and belt with side D-rings, back and leg padding, quick-connect legs.

1191269 Small

1191270 Medium/Large

1191271 XLarge



Construction-Style Positioning Harness with Comfort Padding

Back D-rings, hip pad and belt with side D-rings, tongue-buckle leg straps and moisture-wicking comfort padding.

1191432 Small

1191433 Medium/Large

1191434 XLarge



3M™ Protecta®

Vest-Style Harnesses

Vest-Style Positioning Harness with Comfort Padding

Back and side D-rings, tongue-buckle leg straps and moisture-wicking comfort padding.

1191406 Medium/Large



Vest-Style Harness with Comfort Padding

Back D-ring, shoulder, back and leg padding, quick-connect buckle legs.

1191252 Small

1191253 Medium/Large

1191254 XLarge



Vest-Style Harness with Comfort Padding

Back and side D-rings, shoulder, back and leg padding, quick-connect buckle legs.

1191259 Small

1191260 Medium/Large

1191261 XLarge



Vest-Style Harness with Comfort Padding

Back D-ring, tongue-buckle leg straps, moisture-wicking comfort padding.

1191429 Small

1191430 Medium/Large

1191431 XLarge



Vest-Style Harness with Comfort Padding

Back and front D-rings, tongue-buckle leg straps, moisture-wicking comfort padding.

1191437 Medium/Large

1191438 XLarge

1191439 XXLarge



Vest-Style Harness

Back D-ring, tongue-buckle legs.

1191236 Small

1191237 Medium/Large

1191238 XLarge



Vest-Style Harness

Back and side D-rings, tongue-buckle legs.

1191245 Small

1191246 Medium/Large

1191247 XLarge



Vest-Style Harness

Back D-ring, pass-through buckle legs.

1191200 Small

1191201 Medium/Large

1191202 XLarge



Vest-Style Harness

Back and side D-rings, pass-through buckle legs.

1191204 Small

1191205 Medium/Large

1191206 XLarge



Full-Body Harnesses

3M™ Protecta®

Harnesses for Hot Work Use

Vest-Style Harness for Hot Work Use

Back D-ring, Kevlar® fiber webbing, pass-through buckle legs.

1191369 Small

1191379 Medium/Large

1191380 XLarge



Vest-Style Harness for Hot Work Use

Back D-ring, Kevlar® fiber webbing, tongue-buckle legs.

1191371 Small

1191383 Medium/Large

1191384 XLarge



Vest-Style Harness for Hot Work Use

Back and side D-rings, Kevlar® fiber webbing, pass-through buckle legs.

1191370 Small

1191381 Medium/Large

1191382 XLarge



Vest-Style Harness for Hot Work Use

Back and side D-rings, Kevlar® fiber webbing, tongue-buckle legs.

1191372 Small

1191385 Medium/Large

1191386 XLarge



3M™ Protecta®

Climbing Harnesses

Climbing Harness

Back and front D-rings, tongue-buckle legs.

1191272 Small

1191273 Medium/Large

1191274 XLarge



Climbing Harness

Back and front D-rings, pass-through buckle legs.

1191233 Small

1191234 Medium/Large

1191235 XLarge



3M™ Protecta® Retrieval Harnesses

Retrieval Harness

Back and shoulder D-rings,
tongue-buckle legs.

1191240 Small

1191241 Medium/Large

1191242 XLarge



Retrieval Harness

Back and shoulder D-rings,
pass-through buckle legs.

1191215 Small

1191216 Medium/Large

1191217 XLarge



3M™ Protecta® Harness Accessories

Equipment Bag

AK048A

Compact harness/lanyard bag,
13 in. x 12 in. (33 cm x 30 cm).



Equipment Bag

AK066A

Large bag for harness
and lanyard or 50 ft. (15 m)
lifeline, 9-1/2 in. x 10 in. x 15-1/2 in.
(24 cm x 25 cm x 40 cm).



Body Belt

Tongue buckle belt with hip pad
and side D-rings.

1091013 Small

1091014 Medium/Large

1091015 XLarge



D-Ring Extender

1385000

Dorsal D-ring extender with
D-ring at one end, snap hook
at other x 18 in. (45 cm).





Self-Retracting Lifelines



The connection between convenience and confidence.

Enhance convenience. Maintain confidence. 3M™ Protecta® Self-Retracting Lifelines (SRL) are an economical fall protection solution that allow you to do both. From six feet, all the way up to 100 feet long, Protecta SRLs help maximize the productivity of your crew on a variety of jobsites.

3M™ Protecta® Personal Self-Retracting Lifelines

1 Swiveling top anchor

Helps prevent lifeline twisting and reduces wear on web lifeline.

2 Triple action carabiner

Simplifies connection to anchor point or harness.

3 Impact resistant

Thermoplastic housing is lightweight, compact and durable.

4 Heat-shrunk

Clear PVC coating over EVA foam label on shock pack improves durability.

5 High strength webbing

Designed to accommodate users up to 310 lbs.

6 Fully compliant

Self-locking snap hook meets ANSI Standards with a 3,600 lb. rated gate.



Product selection guide

Single-leg



3100403

6 ft. (1.8 m) of 1 in. (2.5 cm) polyester web with steel snap hook, swiveling anchorage and carabiner.

3100404

6 ft. (1.8 m) of 1 in. (2.5 cm) polyester web with steel swiveling snap hook, swiveling anchorage and carabiner.

3100405

6 ft. (1.8 m) of 1 in. (2.5 cm) polyester web with steel rebar hook, swiveling anchorage and carabiner.

Twin-leg



3100412

6 ft. (1.8 m) twin-leg with 1 in. (2.5 cm) polyester web and steel snap hooks, quick connector for harness mounting.

3100413

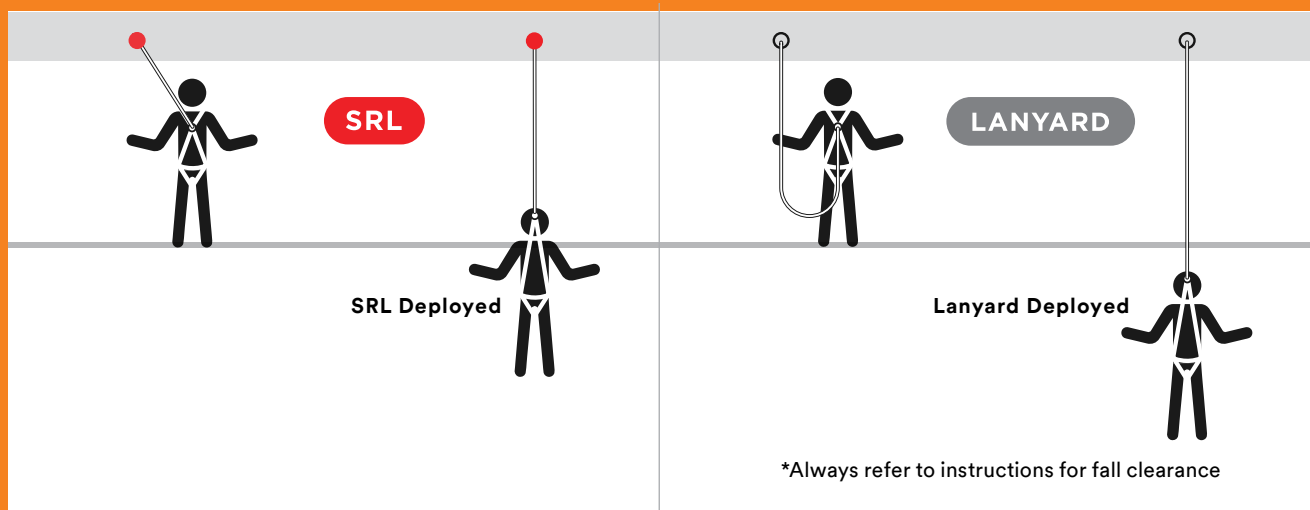
6 ft. (1.8 m) twin-leg with 1 in. (2.5 cm) polyester web and steel swiveling snap hooks, quick connector for harness mounting.

3100414

6 ft. (1.8 m) twin-leg with 1 in. (2.5 cm) polyester web and steel rebar hooks, quick connector for harness mounting.

Model shown
3100403

Example fall clearance requirements of our 6 ft. SRL vs. lanyard of similar length



Self-Retracting Lifelines

How to choose the right SRL

1. Anchor location

Not all SRLs are the same. SRLs designed for anchoring at foot-level are different than those meant for overhead anchorage.

2. Lifeline material

Galvanized and stainless steel increase durability and dependability, while web is lighter for personal use.

3. Length

Select a length that will allow maximum mobility while still arresting your fall at a safe distance.

4. Hook options

A variety of hook options help you to be flexible on the job when tying off to fall arrest rated anchor points.

Product selection guide

Lifeline Material	Thermoplastic Housing	Aluminum Housing	Stackable	Impact Indicator	Swiveling Anchorage	Self-Locking Snap Hook	Rebar Hook	Swiveling Hook	Leading Edge	Twin-Leg	310 lb. (140 kg) Weight Capacity	420 lb. (190 kg) Weight Capacity										
													6 ft. (1.8 m)	11 ft. (3.3 m)	15 ft. (4.5 m)	20 ft. (6 m)	33 ft. (10 m)	50 ft. (15 m)	66 ft. (20 m)	85 ft. (26 m)	100 ft. (30 m)	
Galvanized cable	■				■	■		■			■		3590015	3590016	3590019							
	■				■	■					■				3590018							
	■		■	■	■	■		■				■				3590517	3590500	3590550	3590590	3590630	3590670	
		■	■	■	■	■		■				■				3590514	3590510	3590560	3590600	3590640	3590680	
	■		■	■	■	■		■	■		■					3590540	3590543	3590546	3590548			
	■				■	■	●				■				3590020							
SS cable	■		■	■	■	■		■				■				3590504	3590501	3590551	3590591	3590631	3590671	
		■	■	■	■	■		■				■				3590509	3590511	3590561	3590601	3590641	3590681	
Web	■				■	■					■		3100403	3100425		3100431						
	■				■	■		■			■		3100404	3100426		3100432						
	■				■	■	■				■		3100405	3100427		3100433						
	■				■	■					■	■	3100412									
	■				■	■		■			■	■	3100413									
	■				■	■	■				■	■	3100414									
Weight													Varies	Varies	Varies	Varies	13.5 lb. (6.1 kg)	17.3 lb. (7.8 kg)	22 lb. (10 kg)	28.6 lb. (13 kg)	29.5 lb. (13.4 kg)	
Approximate depth													2 in. (5 cm)	3 in. (8 cm)	3 in. (8 cm)	4.6 in. (12 cm)	4.6 in. (12 cm)	4.6 in. (12 cm)	5.5 in. (14 cm)	5.5 in. (14 cm)	5.5 in. (14 cm)	
Approximate width													3.5 in. (8.9 cm)	6 in. (15 cm)	6 in. (15 cm)	9.8 in. (14 cm)	9.8 in. (24.9 cm)	11 in. (28 cm)	12.8 in. (33 cm)	12.8 in. (33 cm)	12.8 in. (33 cm)	
Approximate height*													19 in. (48 cm)	19 in. (48 cm)	29 in. (74 cm)	22.5 in. (57.1 cm)	22.5 in. (57.1 cm)	23.8 in. (61 cm)	25.7 in. (65 cm)	25.7 in. (65 cm)	25.7 in. (65 cm)	

*Anchor point to anchor point

Standards: Meets OSHA 1926.502, OSHA 1910.66, ANSI Z359.14, ANSI Z359.12, ANSI A10.32, CSA Z259.2.2 Type II

3M™ Protecta® Self-Retracting Lifelines

33 ft. (10 m) SRL 3590500

3/16 in. (5 mm) galvanized steel wire rope with swiveling snap hook, thermoplastic housing and anchorage carabiner.



11 ft. (3.3 m) SRL 3100427

1 in. (2.5 cm) polyester web with steel rebar hook, swiveling anchorage and carabiner.



20 ft. (6.1 m) SRL 3100432

1 in. (2.5 cm) polyester web with steel swiveling snap hook, swiveling anchorage and carabiner.



15 ft. (4.5 m) SRL 3590019

3/16 in. (5 mm) galvanized steel wire rope with steel swiveling snap hook, swiveling anchorage and carabiner.



11 ft. (3.3 m) SRL 3100425

1 in. (2.5 cm) polyester web with steel snap hook, swiveling anchorage and carabiner.



11 ft. (3.3 m) SRL 3100426

1 in. (2.5 cm) polyester web with steel swiveling snap hook, swiveling anchorage and carabiner.



Self-Retracting Lifelines

3M™ Protecta® Self-Retracting Lifeline Covers

Self-Retracting Lifeline Cover (20-33 ft.) 3590010

Vinyl cover with hook and loop closure, for use with 20-33 ft. standard cable and 20 ft. leading-edge models.

Self-Retracting Lifeline Cover (50 ft.) 3590011

Vinyl cover with hook and loop closure, for use with 50 ft. standard cable and 33 ft. leading-edge models.

Self-Retracting Lifeline Cover (66-100 ft.) 3590012

Vinyl cover with hook and loop closure, for use with 66-100 ft. standard cable and 50-66 ft. leading edge models.





Shock-Absorbing Lanyards

Economical solutions for reliable fall protection.

Compliance and confidence, all at an economical price. 3M™ Protecta® Shock-Absorbing Lanyards are trusted by workers in a wide variety of industries. They feature 3,600 lb. gated hooks, durable lanyard material construction and plated alloy steel hardware for strength and corrosion resistance. All of our shock-absorbing lanyards meet or exceed rigorous OSHA and ANSI industry standards, including the stringent ANSI Z359.13.

3M™ Protecta® Shock-Absorbing Lanyards

1 Reduced impact forces

Built-in energy absorber helps limit fall arresting forces to meet or exceed rigorous OSHA and ANSI industry standards.

2 High strength and capacity

5,000 lb. (22 kN) breaking strength for durability and 310 lb. (140 kg) capacity for worker flexibility.

3 3,600 lb. gated hooks

Every lanyard features 3,600 lb. (16kN) gated hooks.

4 Tough webbing

Polyester construction is strong enough to endure rough use and the elements.

5 Impact indicator

Simplifies inspection for prior fall events.

6 Durable hardware

Alloy steel construction with zinc plating for strength, durability and corrosion resistance.

Various styles and lengths

A variety of styles and lengths are available. Contact customer service for more.



Model Shown
1340101

Shock-Absorbing Lanyards

Hook options



Standard hook with 3/4 in. (19 mm) gate opening

3,600 lb. (16 kN) gate strength.



Flat steel rebar hook with 2-1/4 in. (57 mm) gate opening

3,600 lb. (16 kN) gate strength.



Tie-back carabiner with 3/4 in. (19 mm) gate opening

5,000 lb. (22 kN) gate strength.

Shock-Absorbing Lanyards

3M™ Protecta®

Shock-Absorbing Lanyards

For general use or bucket truck applications, these lanyards feature durable 1 in. (25 mm) polyester webbing, 1/2 in. (13 mm) nylon rope or 1/4 in. (6 mm) vinyl covered cable with 3,600 lb. (16 kN) gated hooks.

Shock-Absorbing Lanyard 1341001

Single-leg with snap hooks at each end x 6 ft. (1.8 m)

1341004 4 ft. (1.2 m) length

1341002 3 ft. (0.9 m) length



Shock-Absorbing Lanyard 1340125

Single-leg with snap hook and flat steel rebar hook x 6 ft. (1.8 m)



Twin-Leg Shock-Absorbing Lanyard 1342250

Double-leg for 100% tie-off, adjustable length, snap hooks at each end x 6 ft. (1.8 m)

1342275 Rebar hooks at each end x 6 ft. (1.8 m)



Cable Shock-Absorbing Lanyard 1340401

Single-leg with self-locking snap hooks x 6 ft. (1.8 m)



Rope Shock-Absorbing Lanyard 1340701

Single-leg with snap hooks at each end x 6 ft. (1.8 m)



Adjustable Shock-Absorbing Lanyard 1341050

Single-leg, adjustable in length, snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Shock-Absorbing Lanyard 1342001

Double-leg for 100% tie-off with snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Shock-Absorbing Lanyard 1340180

Double-leg for 100% tie-off with snap hook and flat steel rebar hooks at leg ends x 6 ft. (1.8 m)

1340181 5 ft. (1.5 m) length



Twin-Leg Cable Shock-Absorbing Lanyard 1340451

Double-leg for 100% tie-off with self-locking snap hooks x 6 ft. (1.8 m)



Twin-Leg Rope Shock-Absorbing Lanyard 1340751

Double-leg for 100% tie-off with snap hooks at each end x 6 ft. (1.8 m)



3M™ Protecta®

Lanyards for Hot Work Use For Hot Work Use

For welding or metal cutting applications, these lanyards feature heat-resistant Kevlar® fiber webbing, a shock pack and 3,600 lb. (16 kN) gated hooks.

Shock-Absorbing Lanyard for Hot Work Use 1340128

Single-leg with Kevlar® fiber webbing and shock pack, snap hook at one end, steel rebar hook at other end x 6 ft. (1.8 m)



Shock-Absorbing Lanyard for Hot Work Use 1340129

Single-leg with Kevlar® fiber webbing and shock pack, snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Shock-Absorbing Lanyard for Hot Work Use 1340185

Double-leg for 100% tie-off with Kevlar® fiber webbing and shock pack, flat steel rebar hooks at each end x 6 ft. (1.8 m)



Twin-Leg Shock-Absorbing Lanyard for Hot Work Use 1340187

Double-leg for 100% tie-off with Kevlar® fiber webbing and shock pack, snap hooks at each end x 6 ft. (1.8 m)



3M™ Protecta®

Tie-Back Shock-Absorbing Lanyards

For applications with no anchor point, these lanyards feature specialized webbing and hardware that withstands the rigors of tie-back use and include 3,600 lb. (16 kN) gated hooks.

Tie-Back Shock-Absorbing Lanyard 1340200

Single-leg with floating D-ring for tie-back and snap hooks x 6 ft. (1.8 m)



Tie-Back Shock-Absorbing Lanyard 1340040

Single-leg with 5,000 lb. (22 kN) carabiner for tie-back and snap hook x 6 ft. (1.8 m)



Twin-Leg Tie-Back Shock-Absorbing Lanyard 1342200

Double-leg for 100% tie-off with floating D-rings for tie-back and snap hooks x 6 ft. (1.8 m)



Twin-Leg Tie-Back Shock-Absorbing Lanyard 1340060

Double-leg for 100% tie-off with 5,000 lb. (22 kN) carabiners at leg ends for tie-back and snap hook x 6 ft. (1.8 m)



Shock-Absorbing Lanyards

3M™ Protecta®

Tubular Web Lanyards

For bucket trucks, lifts, and other applications where a lighter lanyard may be advantageous, these lanyards feature polyester tubular web instead of a traditional shock pack and 3,600 lb. (16 kN) gated hooks.

Tubular Web Shock-Absorbing Lanyard **1340220**

Single-leg with self-locking snap hooks at each end x 6 ft. (1.8 m)



Tubular Web Shock-Absorbing Lanyard **1340230**

Single-leg with self-locking snap hook and flat steel rebar hook x 6 ft. (1.8 m)



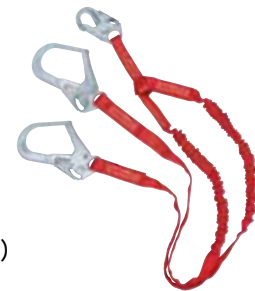
Twin-Leg Tubular Web Shock-Absorbing Lanyard **1340240**

Double-leg for 100% tie-off with self-locking snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Tubular Web Shock-Absorbing Lanyard **1340250**

Double-leg for 100% tie-off with self-locking snap hook and flat steel rebar hooks at leg ends x 6 ft. (1.8 m)



3M™ Protecta®

Elastic Shock-Absorbing Lanyards

These lanyards combine the pack-style energy absorber with stretch capabilities, expanding to 6 ft. (1.8 m) and contracting to 4-1/2 ft. (1.4 m). That means optimal mobility while otherwise staying out of the way. The 3,600 lb. (16 kN) gated hooks and an energy absorber design limit fall arresting forces.

Elastic Shock-Absorbing Lanyard **1341101**

Single-leg with snap hooks at each end x 6 ft. (1.8 m)

1341102 4 ft. (1.2 m) length



Twin-Leg Elastic Shock-Absorbing Lanyard **1342101**

Double-leg for 100% tie-off with snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Elastic Shock-Absorbing Lanyard **1342125**

Double-leg for 100% tie-off with snap hook and flat steel rebar hooks at leg ends x 6 ft. (1.8 m)





3M™ Protecta®

Stretch Shock-Absorbing Lanyards

For vertical climbing applications, these lanyards feature a polyester tubular web that expands to 6 ft. (1.8 m) and contracts to 4-1/2 ft. (1.4 m) in reaction to the worker's movements. Their 3,600 lb. (16 kN) gated hooks and an energy-absorber design limit fall arresting forces.

Stretch Shock-Absorbing Lanyard

1340101

Single-leg with snap hooks at each end x 6 ft. (1.8 m)



Twin-Leg Stretch Shock-Absorbing Lanyard

1340141

Double-leg for 100% tie-off with snap hooks at each end x 6 ft. (1.8 m)



Stretch Shock-Absorbing Lanyard

1340121

Single-leg with snap hook and flat steel rebar hook x 6 ft. (1.8 m)



Twin-Leg Stretch Shock-Absorbing Lanyard

1340161

Double-leg for 100% tie-off with snap hook and flat steel rebar hooks at leg ends x 6 ft. (1.8 m)



Shock-Absorbing Lanyards

3M™ Protecta®

Positioning Lanyards

For maintaining a working position in applications such as rebar walls, these lanyards feature 3,600 lb. (16 kN) gated hooks. These devices do not incorporate shock absorbers and can only be used without a fall arrest system if the fall possibility is 2 ft. (0.6 m) or less.

Chain Rebar Assembly 1350150

Swivels, with snap hooks and flat steel rebar hook at center x 24 in. (61 cm)



Web Positioning Lanyard 1385101

Single-leg with snap hooks at each end x 6 ft. (1.8 m)

1385102 3 ft. (0.9 m) length



Chain Rebar Assembly 1350200

With snap hooks and flat steel rebar hook at center x 22 in. (56 cm)



Adjustable Web Positioning Lanyard 1385301

Single-leg, adjustable length from 4.5-6 ft. with snap hooks at each end x 6 ft. (1.8 m)



Web Rebar Assembly 1351050

With snap hooks and flat steel rebar hook at center x 22 in. (56 cm)



Rope Positioning Lanyard 1385501

Single-leg with snap hooks at each end x 6 ft. (1.8 m)



Web Rebar Assembly 1351001

Swivels, with snap hooks and flat steel rebar hook at center x 24 in. (61 cm)



3M™ Protecta® Lanyard Accessories

Shock Absorber 1340260

Add in-line to a non-shock absorbing lanyard for fall arrest applications, including leading edges (non-sharp edges only). With D-ring at one end, snap hook at other x 18-1/2 in. (47 cm)



D-Ring Extension 1385000

Dorsal D-ring extender with D-ring at one end, snap hook at other x 18 in. (45 cm)





Vertical & Horizontal Systems

Reliable safety and freedom to work.



Safety. Productivity. 3M™ Protecta® Vertical and Horizontal Lifeline Systems are built to deliver both. Workers across a wide variety of industries trust our systems to keep them safe and complement their work—all while meeting applicable standards, including OSHA.

3M™ Protecta®

Synthetic Horizontal Lifeline (HLL) System

1200101

Lightweight, easy to install, disassemble and transport.

- Complete kit includes two tie-off adapters for simple anchorage to structure
- Built-in shock absorber reduces anchorage loadings to help preserve the structure
- Fall-arrest rated for two users, providing jobsite flexibility
- 60 ft. (18 m) web lifeline is compact, portable and versatile

1200105 Synthetic HLL System with carrying bag (no tie-off adapters) x 60 ft. (18 m)



Vertical and Horizontal Systems

3M™ Protecta®

Rope Grabs

Rope Grab (Auto/Manual)

AC202D

- Mobile design automatically follows user for hands-free operation
- Manual option allows user to fix unit in place for positioning or restraint
- Detachable design allows for attachment or removal anywhere along lifeline
- For use on 5/8 in. (16 mm) nylon rope lifeline



Rope Grab (Auto)

5000003

- Mobile design automatically follows user for hands-free operation
- Detachable design allows for attachment or removal anywhere along lifeline
- For use on 5/8 in. (16 mm) polyester/polypropylene rope lifeline
- Lightweight and compact design



Rope Adjuster/Lanyard (Manual)

1340005

- Manual design allows user to fix unit in place for positioning or restraint
- Attached 2 ft. (0.6 m) shock-absorbing lanyard
- For use on 5/8 in. (16 mm) polyester/polypropylene rope lifeline



3M™ Protecta®

Lifelines

How to choose the right lifeline

1. **Nylon rope** provides resistance to UV, wear and shock, making it a great choice for long-term use even in harsh environments.
2. **Polypropylene/polyester blended rope** is light, less absorbent, chemical resistant and economical, making it a great choice for high-risk loss applications.

Lifeline – Nylon

AC215A

50 ft. (15 m) nylon rope lifeline with attached snap hook.

AC210A1 25 ft. (7.6m), 5/8 in. (16 mm) nylon, carabiner at one end, taped at other

AC210A2 25 ft. (7.6m), 5/8 in. (16 mm) nylon, snap hooks at both ends

AC215A1 50 ft. (15m), 5/8 in. (16 mm) nylon, carabiner at one end, taped at other

AC215A2 50 ft. (15m), 5/8 in. (16 mm) nylon, snap hooks at both ends

AC225A1 75 ft. (22m), 5/8 in. (16 mm) nylon, carabiner at one end, taped at other

AC230A1 100 ft. (30m), 5/8 in. (16 mm) nylon, carabiner at one end, taped at other



Lifeline – Polyester/Polypropylene

1299997

50 ft. (15m) polyester/polypropylene blended rope lifeline with attached snap hook.

1299996 25 ft. (7.6 m), 5/8 in. (16 mm) blended polyester/polypropylene, snap hook at one end, taped at other

1299991 30 ft. (9 m), 5/8 in. (16 mm) blended polyester/polypropylene, snap hook at one end, taped at other

1299992 75 ft. (22 m), 5/8 in. (16 mm) blended polyester/polypropylene, snap hook at one end, taped at other

1299998 100 ft. (30 m), 5/8 in. (16 mm) blended polyester/polypropylene, snap hook at one end, taped at other





Anchorage Connectors

Secure connections in all kinds of environments.

Specific jobsites call for unique anchorage connectors. That's why we developed a complete line, all rigorously tested to meet OSHA and ANSI standards and help ensure strength. These connectors support loads of 5,000 lbs. (22 kN) per worker, helping to anchor your personal fall arrest system to the main structure—whether it's concrete, wood, steel or something else.

3M™ Protecta®

General (All-Purpose) Anchorage Connectors

These lightweight, portable anchors are a great choice for a variety of applications. Many are “choker” style, designed to create an easy-to-use anchor on an overhead location beyond normal reach—all with a high strength 5,000 lb. (22 kN) rating.

Web Tie-Off Adapter 5900578

Pass-through design makes attaching to anchorage quick and easy. 1-3/4 in. polyester strength member with 3 in. wide polyester wear pad x 6 ft. (1.8 m).

5900576 2 ft. (0.61 m) Adapter

5900577 3 ft. (0.9 m) Adapter

5900578 6 ft. (1.8 m) Adapter

5900579 8 ft. (2.4 m) Adapter

5900580 12 ft. (3.7 m) Adapter

5900581 16 ft. (4.9 m) Adapter

5900582 20 ft. (6.1 m) Adapter



Cable Anchorage Extension AJ408AG

Lightweight and extremely durable 1/4 in. (6.4 mm) coated galvanized cable stands up to harsh environments. Snap hook at one end, O-ring at other x. 6 ft. (1.8 m).

AJ408AG4 4 ft. (1.2 m) 1/4 in.
Extension



Cable Dual Ring Tie-Off Adapter 2190102

1/4 in. galvanized cable dual-ring tie-off adapter, carabiner at one end, two D-rings at the other. x 6 ft. (1.8 m).

2190100 3 ft. (0.9 m) Adapter

2190101 4 ft. (1.2 m) Adapter

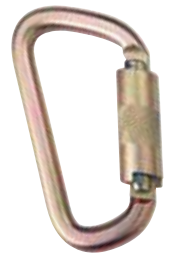


Carabiner 2000112

Reduced weight. Easy operation. Steel carabiners make for a versatile option to help keep your system securely connected. The 5,000 lb. (22 kN) minimum breaking strength and 3,600 lb. (16 kN) self-closing/locking gate enhance safety. 11/16 in. (17.5 mm) opening.

2000117 With roll pin, 11/16 in.
(1.75 cm) opening

2000114 With 2-3/16 in.
(5.56 cm) opening



Cable Tie-Off Adapter 2100193

Galvanized cable tie-off adapter, pass-through type x 6 ft. (1.8 m).

2100192 4 ft. (1.2 m) Adapter



Anchorage Connectors

3M™ Protecta®

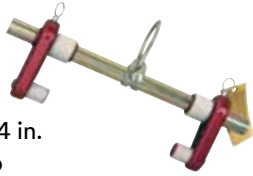
Steel Anchorage Connectors

These lightweight, versatile anchors are often used during commercial construction and attached to steel columns and beams. Models can be permanently attached or temporarily clamped, offering a fixed or mobile anchorage connector. The result is an easy-to-install and secure 5,000 lb. (22 kN) tie-off point for your personal fall protection system.

Sliding Beam Anchor

AJ704A

For use on top or below an I-beam with flanges 4 in.-14-3/4 in. (10 cm-37.4 cm) wide and up to 1-1/2 in. (3.8 cm) thick. Nylon rollers provide smooth, effortless operation along the beam.



Eyebolt Anchor – Unthreaded

AN111A

Unthreaded ring only (no bolt), forged steel construction with zinc plating, 1-1/2 in. ID anchor area.



Eyebolt Anchor – Threaded

AN112A

Forged steel construction with zinc plating, 1/2 in. x 1-3/8 in. mounting bolt, 2-3/4 in. ID horizontal anchor area and 1-3/8 in. ID vertical anchor area.



3M™ Protecta®

Concrete Anchorage Connectors

Secured to concrete decks and columns, these anchors are lightweight and compact, providing an easy to install and secure 5,000 lb. (22 kN) tie-off point for enhanced worker mobility on concrete construction sites.

Reusable Wedge Anchor

2190053

A portable, easy-to-use concrete anchor for vertical walls or overhead ceilings.



Concrete D-Ring Anchor

2190055

Simple, versatile concrete anchor for temporary or permanent applications. Extremely rugged design for extended life and jobsite flexibility.

2190060 With 6 bolts



Concrete Anchor Strap

2190057

Pack of 25 disposable anchor straps with D-ring x 3-1/2 ft. (1 m) is designed to provide a temporary anchorage on concrete forms. Loop slips over rebar, then concrete is poured over. When no longer needed, simply cut strap and discard.

2190058 With D-Ring x 4 ft. (1.2 m) -
Pack of 25

2190063 Without D-Ring x 3-1/2 ft. (1 m) -
Pack of 25



Concrete Anchor Plate

AJ720A

Mounts horizontally or vertically to concrete or steel. Includes forced D-ring for tie-off point and 4 concrete wedge anchor bolts.



Continuous Concrete Insert Anchor

AN220A

Creates a mobile anchor in standard strut material. Stainless steel plates with steel carabiner. Accommodates 1-5/8 in. (4.1 cm) wide strut material.



3M™ Protecta®

Roof Anchors

Create a secure anchor point on a variety of roof designs without damaging the structure. Our complete array of anchorage devices for sloped wood and flat commercial steel roofs can help you customize the fall protection solution that's right for your application.

Portable Reusable Roof Anchor 2104000

For use on flat or sloped wood roofs. Installs with 32 ea. #8 screws or 32 ea. 16d nails. Simple hinge-style design is extremely easy to transport, install, dismantle and store.



Knock-Down Disposable Roof Anchor Kit 2103680

Simply nail into sheathing and roof member. When job is complete, knock down or shingle over. Kit contains 12 anchors and nails.



Permanent Ridge Roof Anchor 2103678

Installs with nails at the roof ridge. Shingle over, leaving only the D-ring exposed. Provides fall protection during initial construction as well as for future homeowner.



Standing Seam Swiveling Roof Anchor 2190001

Portable and reusable anchor fits seam spacing of 12 in.-24 in. (30 cm-61 cm). Non-penetrating clamp design won't damage the roof. Universal self-retracting lifeline (SRL) cradle fits many 3M™ Protecta® Self-Retracting Lifelines (not large housing models), and swivels 360 degrees for maximum mobility.

Shown with SRL—must order separately.



Metal/Wood Swiveling Roof Anchor 2190011

Portable and reusable anchor provides 360 degrees of mobility on sloped or flat wood and metal decking. Universal bracket accommodates many 3M™ Protecta® Self-Retracting Lifelines (not large housing models).

Shown with SRL—must order separately.





Fall Protection Kits

Fall protection and compliance, all in one convenient kit.



Anchorage. Body support. Connectors. We've pioneered the easiest way to get the ABC's of fall protection in one container. The success of the original "can" spawned the creation of several variations with different anchorage devices. Each kit offers a complete setup for convenient OSHA compliance and enhanced safety on the job. See page 4 to learn more about the ABC's of fall protection.

Fall Protection Kits

Harness



- 1** 5-point harness with pass-through buckle legs (universal or XL)

- ☐ **2199803**
Includes 1 (universal), 2, 3
- ☐ **2199812**
Includes 1 (universal), 2, 4
- ☐ **2199807**
Includes 1 (universal), 2, 5
- ☐ **2199815**
Includes 1 (universal), 2, 6

Connector



- 2** Rope adjuster with lanyard and 50 ft. (15.24 m) lifeline

Anchorage Connectors

- 3** Reusable roof anchor



- 4** Concrete anchor plate



- 5** Cable anchorage extension



- 6** Web tie-off adapter



A. Anchorage Devices

	AJ408AG Cable Anchorage Extension
	AJ720A Concrete Anchor Plate
	5900578 Web Tie-Off Adapter
	2104000 Portable Reusable Roof Anchor

B. Body Support

	5-Point Harnesses 1191995 Pass-through buckle legs
	AB17550 Tongue-buckle legs

C. Connectors

6 ft. Shock-Absorbing Lanyards (see pages 18, 20)	
	1340250 Twin-Leg Lanyard
	1340220 Single-Leg Lanyard
	1340240 Twin-Leg Lanyard
	1341001 Single-Leg Lanyard

Self-Retracting Lifelines (SRLs) (see page 14)	
	3590500 33 ft. SRL
	3100425 11 ft. SRL
Rope Adjuster with Lanyard and Lifeline (see pages 26-27)	
	1340005 Shock-Absorbing Lanyard
	1204001 Rope Lifeline

3M™ Protecta® Fall Protection Kits

For residential roofing and similar applications.

Kit SKU	Qty.	Harnesses		Connectors							Anchors				Lifeline
		1191995	AB17550	1340005	1341001	1340220	1340240	1340250	3100425	3590500	2104000	AJ720A	AJ408AG	5900578	
2199803	1	■		■							■				■
2199811	25	■		■							■				■
2199812	1	■		■								■			■
2199807	1	■		■									■		■
2199815	1	■		■										■	■
2199816	25	■		■										■	■
2199814*	1		■	■							■				■
2199819	1	■							■					■	
2199829	1	■								■	■				

3M™ Protecta® Fall Protection Kits – Light

For aerial lifts and similar applications.

Kit SKU	Qty.	Harnesses		Connectors							Anchors				Lifeline
		1191995	AB17550	1340005	1341001	1340220	1340240	1340250			2104000	AJ720A	AJ408AG	5900578	
2199802	1	■			■										
2199805	12	■			■										
2199806	48	■			■										
2199809	1	■				■									
2199810	1	■				■								■	
2199818	1		■				■								
2199817	1		■					■							
2199808*	1	■			■										



Confined Space and Rescue

A full-page photograph serves as the background for the advertisement. It depicts a male worker in a blue hard hat, safety glasses, and a high-visibility yellow-green shirt. He is wearing a red and black safety harness and is operating a red, motorized rescue device (likely a winch) that is attached to a silver aluminum tripod. The tripod is set up on a metal platform. In the lower right foreground, another worker wearing a yellow hard hat and safety glasses is partially visible, looking down. The background shows industrial equipment and structures.

Reliable rescue where you need it

Portability and ease of use. They are two critical factors for worker safety in confined spaces and rescue situations. That's why 3M™ Protecta® Tripods are built from lightweight aluminum. They're easily transported from one location to another and can be set up by one worker. Attach your fall protection equipment and you're ready to go. Built to meet OSHA standards.

3M™ Protecta®

Confined Space and Rescue

1 Leg locks

Built into head to ensure legs stay locked in place.

2 Aluminum construction

Lightweight yet durable construction for ease of use and longevity.

3 Built-in anchor points

Four eyebolts offer secondary anchor points for a fall arrest system.

4 Pulley (Optional)

Routes winch/SRL lifeline over opening for smooth operation.

5 Mechanical devices (Optional)

Supports winches or SRLs for enhanced versatility. Not required if using AK205 Winches.

6 Adjustable locking legs

Fast and easy detent pin-style adjustment allows for precise height setting.

7 Telescoping legs

Provide fast and easy adjustment.

8 Foot pads

Skid-resistant treadplate soles on feet.

9 Safety chain

Strengthens support for demanding confined space applications.



Confined Space Rescue

3M™ Protecta®

Confined Space Components

Confined Space Tripod

AK105A

- 8 ft. (2.4 m) height
- 5,000 lb. (22 kN) 1-man rated
- Fast and simple installation
- Anodized epoxy coated aluminum



Bracket Set

3590498

3M™ Protecta® 3-Way SRL Bracket, SRL Side Bracket (3590497), Tripod Side Bracket (8008005)



Pulley with Carabiner

AK020A1

- Routes winch/SRL lifeline
- Anodized aluminum construction
- Pivoting sheave pulley guide
- Includes carabiner



AK020A Without carabiner

Confined Space Winch

AK205AG

- 50 ft. (15 m) galvanized cable
- 310 lb. (140 kg) man rated capacity
- Fast and simple installation
- 4:1 ratio at 20 fpm
- Includes tripod mounting bracket



AK205AT With 50 ft. (15 m) fiber rope lifeline

3-Way Self-Retracting Lifeline

3591000

- 50 ft. (15 m) galvanized cable
- 310 lb. (140 kg) man rated capacity
- Fast and simple installation
- Fall arrest device with built-in emergency retrieval winch
- Models available with mounting brackets (or separately)



Additional Lifelines

	SS	Galv
30 ft.	AK203AS	AK203AG
50 ft.	AK205AS	AK205AG
60 ft.	AK206AS	AK206AG
75 ft.	AK207AS	AK207AG
110 ft.	AK210AS	AK210AG

	50 ft.	50 ft. with bracket
SS	3591001	3591007
Galv	3591000	3591006

3M™ Protecta® Confined Space Systems

Kit SKU	Tripod AK105A	3-Way SRL 50 ft. (15 m) Galv 3591000	3-Way SRL 50 ft. (15 m) SS 3591001	Bracket Set 3590498	Pulley/Carabiner AK020A1	Tripod Bag AK067A	Winch AK205AG	SRL (15 m) Galv 3590550	Harness 1191201
8308005	■	■		■	■	■			
8308006	■		■	■	■	■			
AA805AG1	■				■	■	■	■	■
AA805AG2	■				■	■	■	■	■
AA805AG	■				■	■	■	■	■

Part Number and Page Index

1091013	11	1191274	10	1340180	18
1091014	11	1191369	10	1340185	19
1091015	11	1191370	10	1340187	19
1191200	9	1191371	10	1340200	19
1191201	9	1191372	10	1340220	20, 33
1191202	9	1191379	10	1340230	20
1191204	9	1191380	10	1340240	20, 33
1191205	9	1191381	10	1340250	20, 33
1191206	9	1191382	10	1340260	23
1191208	8	1191383	10	1340401	18
1191209	8	1191384	10	1340451	18
1191210	8	1191385	10	1340701	18
1191215	11	1191386	10	1340751	18
1191216	11	1191406	8	1341001	18, 33
1191217	11	1191429	9	1341002	18
1191226	8	1191430	9	1341004	18
1191227	8	1191431	9	1341050	18
1191228	8	1191432	8	1341101	20
1191233	10	1191433	8	1342001	18
1191234	10	1191434	8	1342101	20
1191235	10	1191437	9	1342125	20
1191236	9	1191438	9	1342200	19
1191237	9	1191439	9	1342250	18
1191238	9	1191995	33	1342275	18
1191240	11	1200101	25	1350150	22
1191241	11	1200105	25	1350200	22
1191242	11	1204001	33	1351001	22
1191245	9	1299992	27	1351050	22
1191246	9	1299996	27	1385000	11, 23
1191247	9	1299997	27	1385101	22
1191252	8	1299998	27	1385301	22
1191253	8	1340005	26, 33	1385501	22
1191254	8	1340040	19	2000112	28
1191259	9	1340060	19	2000114	28
1191260	9	1340101	21	2000117	28
1191261	9	1340121	21	2100193	28
1191269	8	1340125	18	2103678	31
1191270	8	1340128	19	2103680	31
1191271	8	1340129	19	2104000	31, 33
1191272	10	1340141	21	2190001	31
1191273	10	1340161	21	2190011	31

2190053	30	3590016	14	5900580	28
2190055	30	3590017	14	5900581	28
2190057	30	3590018	14	5900582	28
2190058	30	3590019	14, 15	8308005	39
2190063	30	3590020	14	8308008	39
2190100	28	3590498	38	AA805AG	39
2190101	28	3590500	14, 15, 33	AA805AG1	39
2199802	35	3590501	14	AA805AG2	39
2199803	32, 35	3590504	14	AB17550	33
2199805	35	3590509	14	AC202D	26
2199806	35	3590510	14	AC210A1	27
2199807	32, 35	3590511	14	AC210A2	27
2199808	35	3590514	14	AC215A	27
2199809	35	3590517	14	AC215A1	27
2199810	35	3590540	14	AC215A2	27
2199811	35	3590543	14	AC225A1	27
2199812	32, 35	3590546	14	AC230A1	27
2199814	35	3590548	14	AJ408AG	28, 33
2199815	32, 35	3590550	14	AJ408AG4	28
2199816	35	3590551	14	AJ704A	30
2199817	35	3590560	14	AJ720A	30, 33
2199818	35	3590561	14	AK020A	38
2199819	35	3590590	14	AK020A1	38
2199829	35	3590591	14	AK048A	11
2910102	28	3590600	14	AK066A	11
3100403	13, 14	3590601	14	AK105A	38
3100404	13, 14	3590630	14	AK203AG	38
3100405	13, 14	3590631	14	AK203AS	38
3100412	13, 14	3590640	14	AK205AG	38
3100413	13, 14	3590641	14	AK205AS	38
3100414	13, 14	3590670	14	AK205AT	38
3100425	14, 15, 33	3590671	14	AK206AG	38
3100426	14, 15	3590680	14	AK206AS	38
3100427	14, 15	3590681	14	AK207AG	38
3100431	14	3591000	38	AK207AS	38
3100432	15	3591001	38	AK210AG	38
3100433	14	5000003	26	AK210AS	38
3590010	15	5900576	28	AN111A	30
3590011	15	5900577	28	AN112A	30
3590012	15	5900578	28, 33	AN220A	30
3590015	14	5900579	28		

Notes





3M Fall Protection Business
Personal Safety Division
3833 SALA Way
Red Wing, MN 55066 USA

Phone 800-328-6146
Email 3mfallprotection@mmm.com
Web 3M.com/FallProtection

3M and Protecta are trademarks of
3M Company and its affiliates. All other
trademarks are the property of their
respective owners.
© 3M 2016.
9700506 Rev E