

# 3M™ Protecta® Pro Shock Absorbing Lanyards

## Technical Data Sheet

### Description

Our Protecta® shock absorbing lanyards provide high quality compliance at an economical price and are trusted by workers. They feature durable webbing and steel hardware for strength and corrosion resistance. The shock absorbing packs feature a controlled tearing action when subjected to a fall, reducing the forces imposed on the user to safe levels and stopping the fall. Various styles, lengths and hooks options are available

### Features

- **2.0 metre single/ double tail lanyard**  
General purpose fall arrest lanyard with an overall length between 300mm - 2m suitable for fall arrest, work positioning and restraint.
- **Flat/ Elasticated webbing lanyard tail**  
Heavy duty polyester/ tubular elasticated webbing endures rough use, standing up to long periods of outdoor elements including sun exposure without tearing or fraying for added longevity and durability. Elasticated webbing reduces trip fall hazards, dragging and catching for complete freedom of movement.
- **Compact energy absorber with clear cover**  
Features a compact energy absorbing unit encased in UV resistant transparent plastic for easy inspection, durability and added longevity.
- **Energy absorbing design limits fall arrest forces**  
Unique controlled tearing action immediately begins to extend and absorb energy during a fall, limiting arresting forces to safe levels below 6kN.
- **Double action snap hook/ scaffold hooks on ends**  
Includes double action snap hooks for attachment to harness fall arrest point and easy connection to anchorage points during attached climbing.
- **User friendly self-locking connectors**  
Automatically locks and closes for added safety (accept for R-105-s-ce).
- **Rated to 160kg**  
Ideal for all workers regardless of shape, size and weight; designed to allow for applications where the combined body weight of the user (including tools and clothing) is up to 160kg.
- **Impact indicator**  
A deployed energy absorber will allow user to visually see if the lanyard has been involved in a fall, providing safe, simple and reliable inspection.



### Maintenance/Cleaning

Personal Fall Protection Products manufactured from webbing should be cleaned periodically to help extend the life expectancy of the product and maintain an acceptable level of performance.

Frequency: Past testing indicates that laundering does not contribute to strength loss, although it has been observed that commercial washing could cause abrasion between metal hardware elements and webbing straps, as well as degradation of product markings.

Laundering procedure: High pressure power type washers and steam cleaners should be avoided when cleaning web products because of potential harm to the web fibres

Two acceptable procedures are detailed below:

- Hand Scrubbing
- Mild bleach free laundry detergent is acceptable.

Machine wash is not advised for shock absorbing lanyards due to problems with drying the tightly rolled up web that is also covered. Hand wash of the cover only.

## Specifications

### 3M™ Protecta® Pro Shock Absorbing Lanyards

Capacity	160kg (combined weight of person, tools, clothing, etc.)
Brand	Protecta®
Size	2.0m
Velocity Ship	Yes
Connected Safety Equipped	No
Lanyard Type	Fixed and adjustable
Number Of legs	Single & Double Tail
Lanyard Length	2.0m
Thread/Stitching	Polyester
Label	Tyvek
Harness Connection Hook	Zinc Plated Steel
Anchor Connection Hook	Zinc Plated Steel
General Lanyard	Web
Product Styles	Standard
Webbing	Polyester web- 45mm Polyamide web- 45mm
Adjuster	Fall arrest rated steel, 15kN
Activation	Activates at a minimum force of 2kN
Maximum Arresting Force	Impact force on user is kept below 6kN (in the event of a fall)
Lanyard Extension	in the event of a fall lanyard may extend an additional length of 1.75m
Compatibility	3M™ Protecta® lanyards are designed for use with 3M™ approved harnesses, components or systems, or as recommended by a competent person.
Standards	AS/NZS 1891.1
Country of Origin	Australia.
Instructions/ Conditions of Use	Reading user instruction manual prior to use is essential. If a dorsal extension is part of your harness, the maximum lanyard assembly is 2m minus the length of the dorsal extension

## Product Life

Any piece of equipment including both personal and permanently installed items, which has been used to arrest a fall or which shows any defect during operator or periodic inspection shall be withdrawn from service immediately and a replacement obtained if necessary.

A label indicating the condition or defect must be attached to the equipment, and it must be examined by a competent person who will decide whether the equipment is to be destroyed or repaired/recertified if necessary and returned to service.

## Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

The mounting and use of the product described within this document assumes that the user has previous experience of this type of product and that it will be assembled by a competent professional according to product documentation. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. 3M (who cannot verify or control these elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for products are determined with the sales contract documents and with the mandatory and applicable law, excluding any other warranty or compensation.

## Ordering Information

3M Code	Model #	Description	Hardware		Lengths	Weight (Approx.)	Tails
			Harness	Anchorage			
70007930897	AE521AU	Protecta Shock Absorbing Lanyards Personal Energy Absorber, 2 x Captive Eye Karabiners, 300mm	8700130	8700130	0.3m	0.70kg	Single
70007926721	AE529/25AU	Protecta Shock Absorbing Lanyards Personal Energy Absorber, 1 x Captive Eye Karabiner & Snap Hook, 1.0m Overall Length	R-105-S-CE	2000161	1m	1.00kg	Single
70007927414	AE529/13AU	Protecta Shock Absorbing Lanyards Webbing Lanyard, Single Tail, 1.5m Overall Length	2000161	2000161	1.5m	1.05kg	Single
7000792544	AE529/3AU	Protecta Shock Absorbing Lanyards Webbing Lanyard, Single Tail, 2.0m Overall Length	2000161	2000161	2m	1.15kg	Single
70007928537	AE529ADJ/3AU	Protecta Shock Absorbing Lanyards Webbing Lanyard, Adjustable from 0.75 - 2.0m, Single Tail	2000161	2000161	2m	1.25kg	Single
70007940599	AE529E/3AU	Protecta Adjustable Shock Absorbing Lanyards Webbing Lanyard, Single Tail, Elasticated, 2.0m Overall Length	2000161	2000161	2m	1.25kg	Single
70007927315	AE529Y/5AU	Protecta Shock Absorbing Lanyards Webbing Lanyard, Double Tail, Elasticated, 2.0m Overall Length	2000161	2000164	2m	1.95kg	Twin
70007926879	AE529EY/5AU	Protecta Shock Absorbing Lanyards Webbing Lanyard, Double Tail, Elasticated, 2.0m Overall Length	2000161	2000164	2m	2.10kg	Twin
70007944229	AE529/3W	Protecta Shock Absorbing Lanyards Welders Lanyard, Kevlar® Fibre Webbing, Single Tail, 2.0m Overall Length	2000161	2000161	2m	1.15kg	Single
70007942900	AE529/5W	Protecta Shock Absorbing Lanyards Welders Lanyard, Kevlar® Fibre Webbing, Single Tail, 2.0m Overall Length	2000161	2000164	2m	1.15kg	Single
70007948808	AE529/9W	Protecta Shock Absorbing Lanyards Welders Lanyard, Kevlar® Fibre Webbing, Single Tail, 2.0m Overall Length	R-113	R-113	2m	1.15kg	Single
AT010644832	AE529ADJ/10R	Protecta Shock Absorbing Adjustable Rope Lanyard, Single Tail, 2.0m Overall Length with Triple Action Karabiner	R-113	2000164	2m	2.2kg	Single
AT010644840	AE529ADJY/10R	Protecta Shock Absorbing Adjustable Rope Lanyard, Twin Tail, 2.0m Overall Length with Triple Action Karabiner	R-113	2000164	2m	3.00kg	Twin
70007942074	AE529ADJ/9R	Protecta Shock Absorbing Adjustable Rope Lanyard, Single Tail, 2.0m Overall Length with Triple Action Karabiners both ends	R-113	R-113	2m	1.70kg	Single



**3M Australia Pty Ltd**  
**Personal Safety Division**  
 Bldg A, 1 Rivett Road  
 North Ryde NSW 2113  
 TechAssist Helpline: 1800 024 464  
 Customer Service: 1300 363 565  
 Email: techassist@mmm.com  
 Web: www.3M.com/au/ppesafety

**3M New Zealand Ltd**  
**Personal Safety Division**  
 94 Apollo Drive, Rosedale  
 Auckland 0632  
 TechAssist Helpline: 0800 364 357  
 Customer Service: 0800 252 627  
 Email: techassist@mmm.com  
 Web: www.3M.com/nz/ppesafety

3M and Protecta are trademarks of 3M Company.  
 Please recycle. Printed in Australia.  
 © 3M 2019. All rights reserved.  
 AV011485263