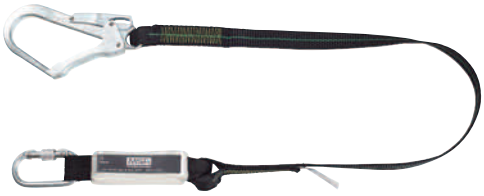
MSA **Energy-Absorbing Lanyards**

Technical Datasheet

The MSA lanyards are available in web and kernmantel rope configurations with a variety of connectors. Energy-absorbing lanyards provide a means of connection between the fall arrest attachment of MSA full body harnesses and a qualified anchorage pont. The energy absorber keeps fall arrest forces below 6 kN.

Webbing





Features & Benefits

FEATURES	BENEFITS
Choice of single- or twin-leg configurations	Ensures the right protection for the job
The loops at the ends are protected by an abrasion resistant covering	Prevents the webbing from being damaged by the metallic contact of the connector
A curved design of the gate of the scaffold hook	Allows more comfortable grip

Product Specifications

MATERIAL	
Webbing	30 mm Polyester
Screwgate carabiner	Alloy Steel, galvanized
Scaffolding hook	Alloy Steel, galvanized
TECHNICAL SPECIFICATIONS	
Length	1.5 m
Shock absorber	Nylon tear webbing, width 35 mm
Colour	Black with one light green stripe at centre on both sides
Weight	Single-leg: 1,0 Kg Twin-leg: 1,6 Kg
Maximum arrest force	6 kN
Maximum lifespan	10 years from date of manufacture
Operating temperature	-50°C... +50°C
Scaffolding hook	Minimum breaking strength: 23 kN Gate opening: 50,8 mm Net weight: 485 g
Screwgate carabiner	Minimum breaking strength: 25 kN Gate opening: 18 mm Net weight: 160,5g
APPROVALS	
EN 355:2002	

Kernmantel rope





Features & Benefits

FEATURES	BENEFITS
Choice of single- or twin-leg configurations	Ensures the right protection for the job
Leading edge approved	For use in leading edge applications
Cross stitch and a strong transparent covering sleeve	Protects the ends and makes the stitches visible for easy inspection
Abrasion resistant thimble at the ends of the loops	Prevents the rope from being damaged by the metallic contact of the connector
A coloured tracer strand	Loses its colour in due course of time showing that the lanyard is now unfit for further use

Product Specifications

MATERIAL	
Lifeline	Nylon Kernmantel rope, 11 mm
Shock absorber	Nylon tear webbing, width 35 mm
Twist-Lock carabiner	Alloy Steel, galvanized
Scaffolding hook	Aluminium Alloy
TECHNICAL SPECIFICATIONS	
Length	1.8 m
Colour	Natural white with 6 black & 2 green tracers
Weight	Single-leg: 1,14 kg Twin-leg: 1,98 kg Single leg with steel carabiner: 0,90 kg
Maximum arrest force	6 kN
Maximum load capacity	100 kg
Maximum lifespan	10 years from date of manufacture
Operating temperature	-50°C... +50°C
Scaffolding hook	Minimum breaking strength: 23 kN Gate opening: 60 mm Net weight: 445 g
Twist-Lock carabiner	Minimum breaking strength: 25 kN Gate opening: 16 mm Net weight: 160,5g
APPROVALS	
EN 355:2002, CNB/P/11.074 the edge radius 0.5 mm	

Webbing, anti-static

These energy absorbing lanyards are designed to offer a perfect solution for working safely at height in a potentially explosive atmosphere. It is made of Polyester with 5 conductive threads to achieve the anti-static property.





Features & Benefits

FEATURES	BENEFITS
Polyester with 5 conductive threads	Prevents the risk of an electrostic discharge igniting the explosive atmosphere
Choice of single- or twin-leg configurations	Ensures the right protection for the job
Aluminium connectors	For lightweight secure connection

Product Specifications

MATERIAL	
Webbing	44mm Polyester with 5 conductive threads, Minimum tensile strength of webbing 25kN
Twist-Lock carabiner	Aluminium Alloy
Scaffolding hook	Aluminium Alloy
TECHNICAL SPECIFICATIONS	
Length	1.8 m
Shock absorber	Polyester, Width: 45 mm Maximum Arrest Force: 6 kN Covered by special antistatic tubular sleeve
Colour	Black with 5 Grey Anti-static Stitches
Weight	Single-leg: 0,98 Kg Twin-leg: 1,62 Kg
Maximum arrest force	6 kN
Maximum load capacity	100 kg
Maximum lifespan	10 years from date of manufacture
Operating temperature	-50°C... +50°C
Scaffolding hook	Minimum breaking strength: 23 kN Gate opening: 60 mm Net weight: 445 g
Twist-Lock carabiner	Minimum breaking strength: 23 kN Gate opening: 21 mm Net weight: 84 g
APPROVALS	
EN 355:2002, Assessed against ATEX requirements: EN 13463-1:2009, EN 13463-5:2003, EN 1149-1: 2006 and EN 1149-5:2008, Ex II 2 G c T6 Connectors certified to EN 362:2004	

Ordering Information

Part No.	Single or Twin Leg	Material	Length	Harness connection	Anchorage connection
10185611	Single Leg	webbing	1.5m	Steel screwgate carabiner	Steel scaffold hook
10185612	TwinLeg	webbing	1.5m	Steel screwgate carabiner	Steel scaffold hook
10185614	Single Leg	Kernmantel rope	1.8m	Steel Twist lock carabiner	Alu scaffold hook
10185615	Twin Leg	Kernmantel rope	1.8m	Steel Twist lock carabiner	Alu scaffold hook
10185616	Single Leg	Kernmantel rope	1.8m	Steel Twist lock carabiner	Steel Twist lock carabiner
10180207	Single Leg	webbing, anti-static	1.8m	Steel Twist lock carabiner	Steel scaffold hook
10180208	Twin Leg	webbing, anti-static	1.8m	Steel Twist lock carabiner	Steel scaffold hook