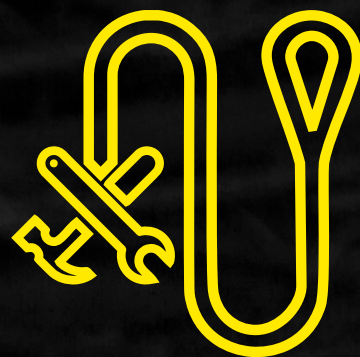


Lineavita **MISTRAL** S.r.l.

PROTEKT®



according to
ANSI/ISEA 121-2018

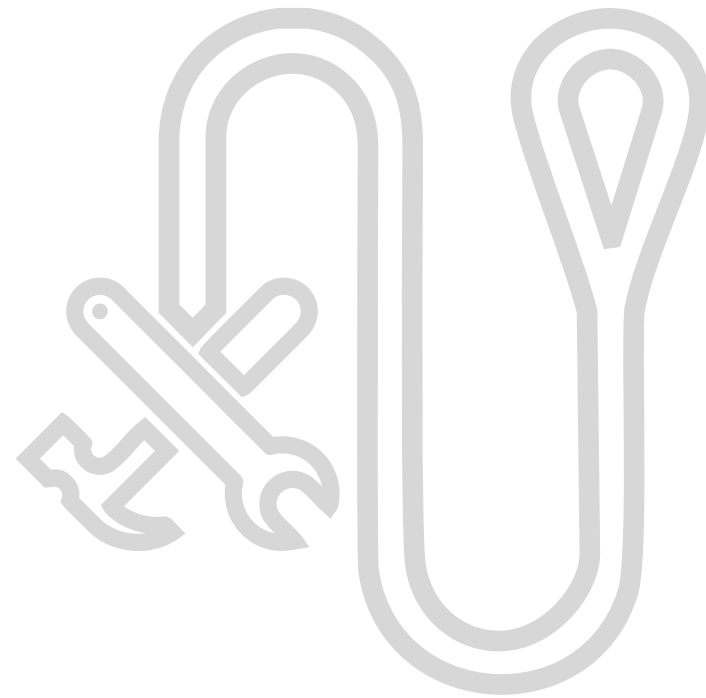
ACCESSORI
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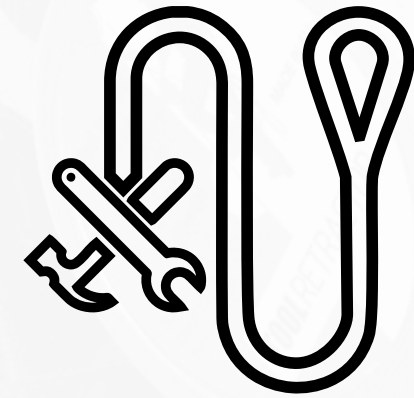
The PROTEKT company has been present on the market for nearly 30 years and is specialized in fall protection equipment.

We focus mainly on safety and comfort of use of our products. This equipment is used in many industries for works at a height, depth and by rescue services and arborists (tree surgeons). Our offer includes both personal fall protection equipment – full body harnesses, energy absorbers, lanyards, and permanent anchorage systems.

Knowledge and skills of our personnel and professional research and manufacturing facilities ensure keeping the highest quality standards. At the same time, we try to offer products at attractive prices. All our products hold European certificates confirmed by both Polish and foreign notified bodies (including but not limited to CIOPIR, IPO, APAVE).



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8 RETRACTABLE TOOL
LANYARDS

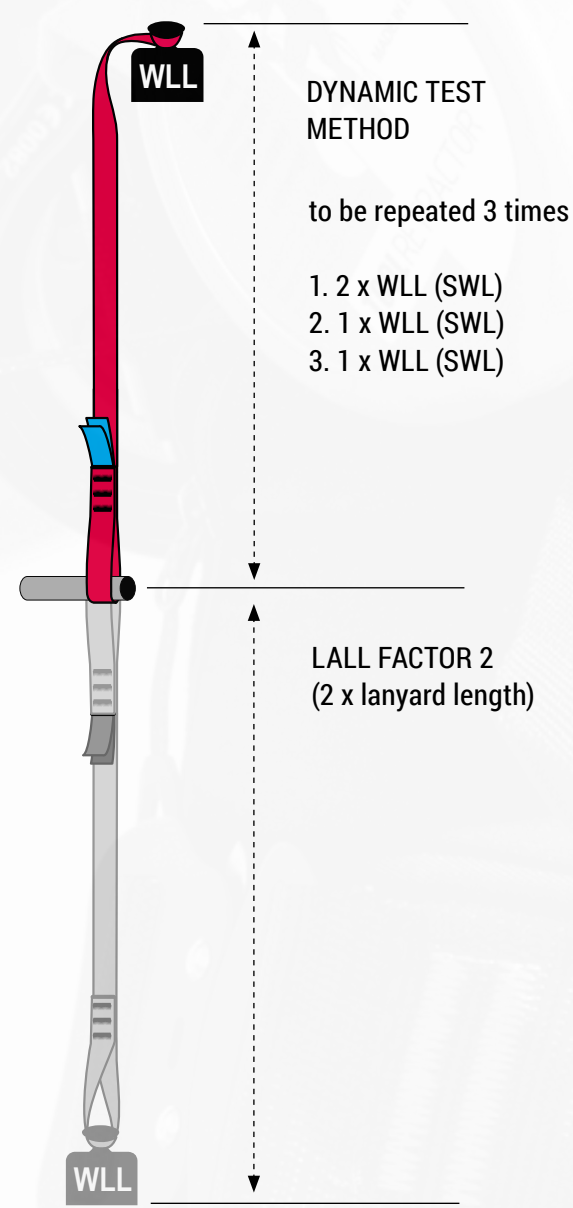
12 STEEL TOOL
LANYARDS

19 TOOL BAGS
AND BELTS

38 TOOL
HOLDERS

45 TOOL BAGS
AND BELTS

Test method in accordance with ANSI/ISEA 121-2018



ANSI/ISEA 121-2018
Important sections of standard in question:

American National Standard for Dropped Object Prevention Solutions.

This standard establishes minimum design, performance, testing and labelling requirements for solutions that reduce dropped objects incidents in industrial and occupational settings. Dropped objects include hand tools, instrumentation, small parts, structural components and other items that have to be transferred and used at heights. These objects have the opportunity of becoming dropped objects potentially resulting in struck-by injury or fatality or damage to equipment.

5.3.2 Test Equipment

The test equipment shall consist of the following:

- a) Tool attachment sample.
- b) Test cable of fabricated steel with swaged looped ends measuring a minimum of twice the length of the manufacturers allowable maximum tether length for the tool attachment, plus 60cm.
- c) A rigid weight, weighing a total of the specified test factor listed in test schedule.
- d) A test fixture designed and built accordingly to allow installation onto the fixed anchor point.

If a specific tool size range or geometry is detailed for use with the tool attachment, the test weight or test fixture shall mimic that tool's characteristics.

5.3.3 Dynamic Test Procedure

Each test sample that requires a dynamic test shall be subjected to a minimum of 3 drops without replacement or adjustment of the sample. Each test sample shall be tested within 5 minutes of removal from conditioning. If testing cannot be completed within the allotted time, samples shall be reconditioned between drops.

One of the following methods shall be used:

- a) Attach one end of the test cable to the connection point on the tool attachment and the other end to the fixed anchor point. The test weight shall be positioned in a way to expose the weakest orientation of the tool attachment.
- b) Install test fixture onto fixed anchor point. Attach the tool attachment to the test fixture in a position that exposes the weakest orientation of the tool attachment. Attach one end of the test cable to the tool attachment and the other end to an independent test weight.

Perform a drop with a test weight equal to the manufacturer's published capacity with a free fall distance of twice the specified test tether length allowed by the manufacturer. The test weight shall be released from a point no more than 152 mm horizontally from the centre of the fixed anchor point. The test weight shall be orientated in a way that allows the weight to experience a straight fall. Follow this procedure for two additional drops. A total of three drops shall be recorded. (Refer to figure.)



RETRACTABLE
TOOL LANYARDS

AY 010

Retractable tool lanyard with lock

Ref no.: AY 010

max. 115 cm

RETRACTABLE LANYARD WITH LOCK AND STRAP FOR WRAPPING AROUND A WRIST USING VELCRO FASTENER.

PARAMETERS

Material of lanyard:	polyester
Maximum load:	0,25 kg
Lanyard length:	max. 115 cm
Lanyard length:	35 daN

tested in accordance with ANSI/ISEA 121-2018
0,25 kg

REF NO: AY 010

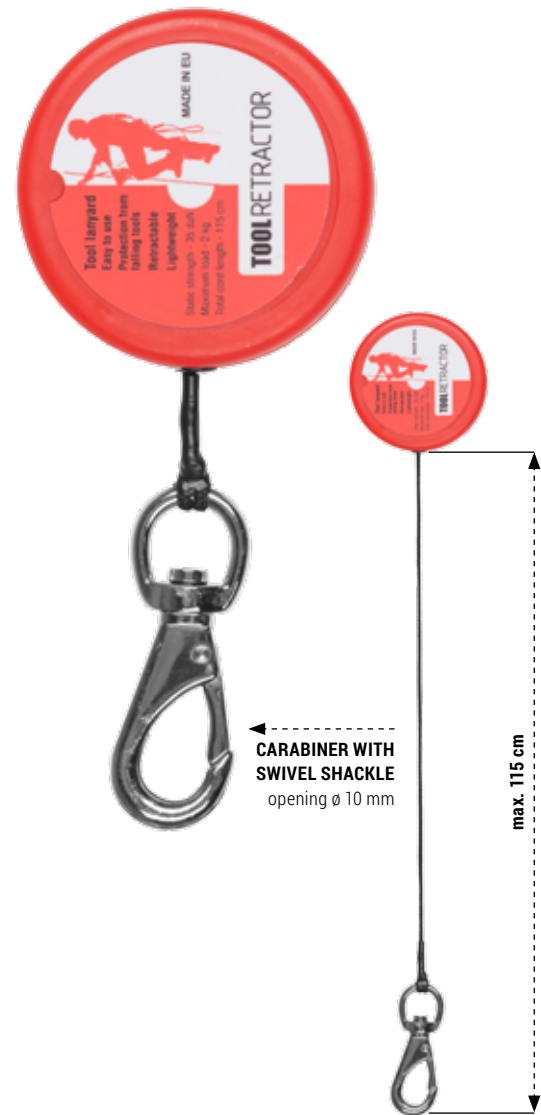
CARABINER WITH SWIVEL SHACKLE
opening ø 10 mm

LANYARD LOCK

AY 003

Retractable tool lanyard

Ref no.: AY 003



Retractable lanyard protecting against dropping of tools.



PARAMETERS

Material of lanyard:	polyester
Maximum load:	0,5 kg
Lanyard length:	max. 115 cm
Static strength:	35 daN / 3 min. without failure



tested in accordance with
ANSI/ISEA 121-2018
0,5 kg

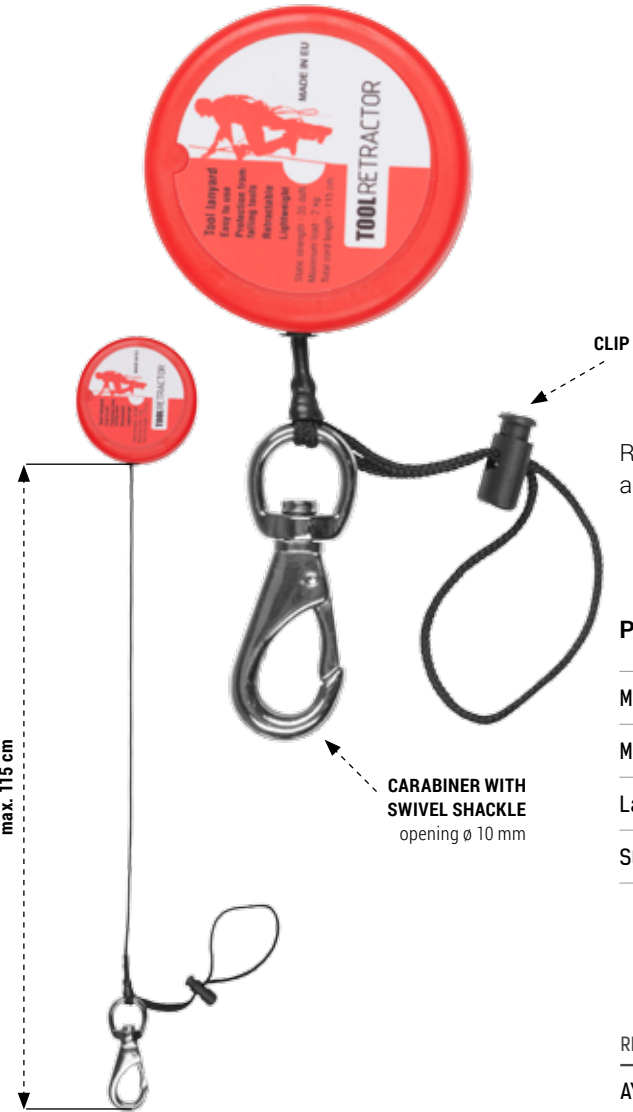
REF NO:

AY 003

AY 013

Retractable tool lanyard

Ref no.: AY 013



Retractable lanyard protecting against dropping of tools additionally equipped with string and clip for adjustment.

PARAMETERS

Material of lanyard:	polyester
Maximum load:	0,25 kg
Lanyard length:	max. 115 cm
Static strength:	35 daN / 3 min. without failure



tested in accordance with
ANSI/ISEA 121-2018
0,25 kg

REF NO:

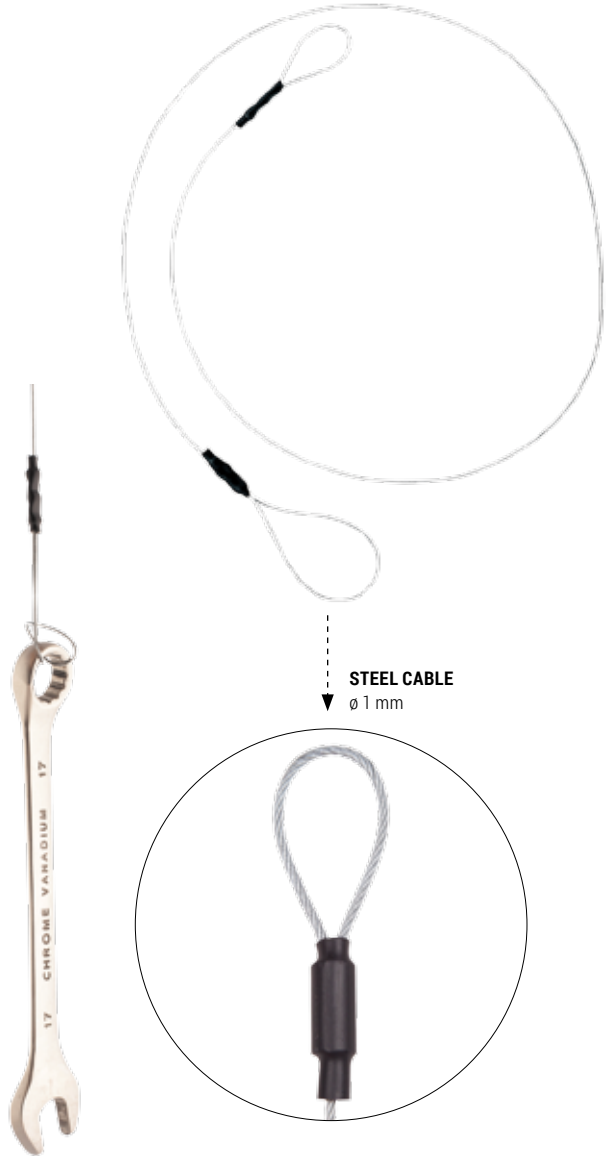
AY 013



STEEL TOOL
LANYARDS

AY 023
Steel tool lanyard

Ref no.: AY 023



Steel belt tool lanyard protecting against dropping of tools, e.g. during assembly works.

PARAMETERS

Material:	galvanized steel
Maximum load:	2 kg
Lanyard length:	max. 115 cm



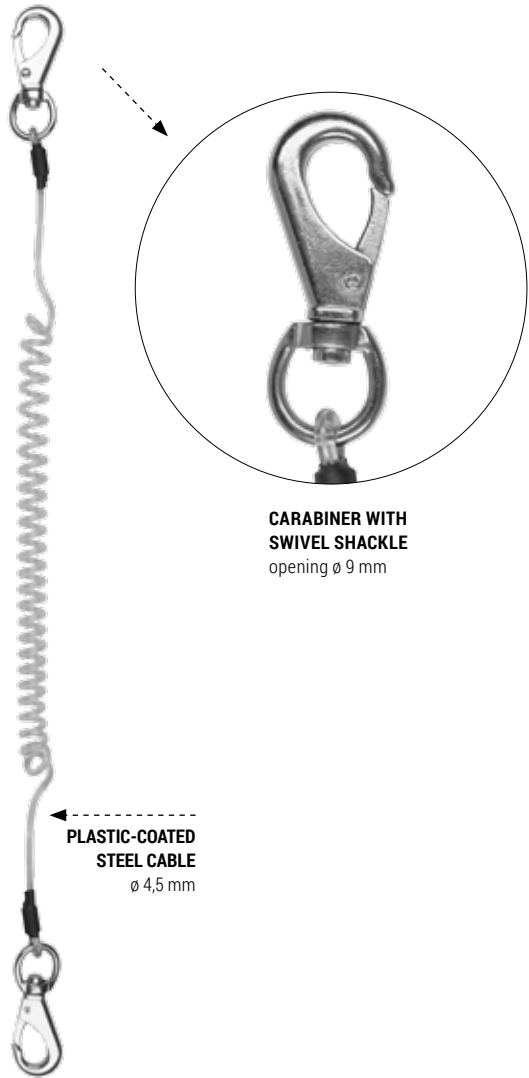
tested in accordance with
ANSI/ISEA 121-2018
2 kg

REF NO:
AY 023

AY 040 / BT 001

Tool lanyard

Ref no.: AY 040 / BT 001



Plastic-coated steel tool lanyard with a handy carabiner installed at both ends. Lanyard provides protection of tools against dropping, e.g. during assembly works.

PARAMETERS

Material:	plastic-coated galvanized steel cable ø 4,5 mm
Lanyard length:	63 cm
Maximum extension:	max. 150 cm
Maximum load:	2 kg



tested in accordance with
ANSI/ISEA 121-2018
2 kg

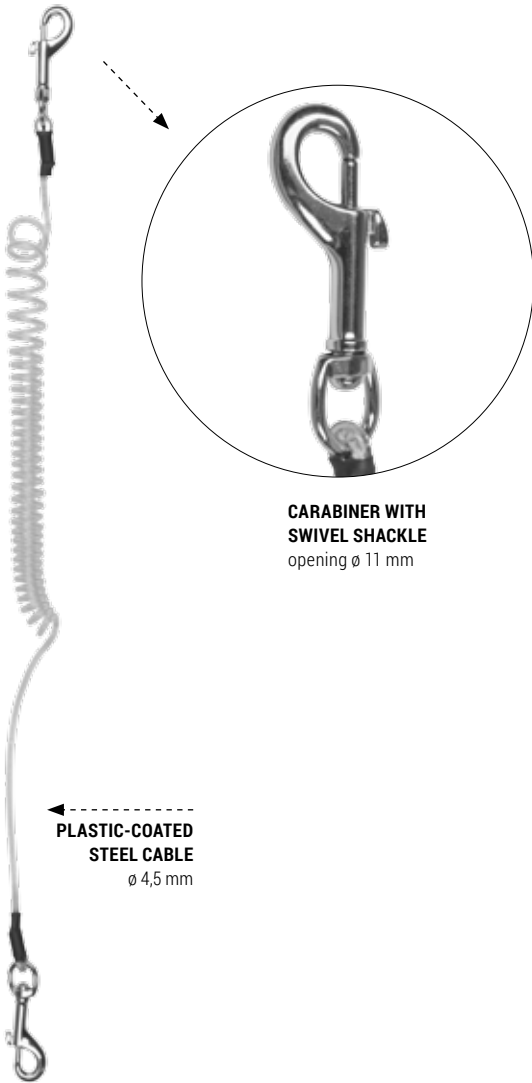
REF NO:

AY 040 / BT 001

AY 040 / BT 002

Tool lanyard

Ref no.: AY 040 / BT 002



Plastic-coated steel tool lanyard with a handy carabiner installed at both ends. Lanyard provides protection of tools against dropping, e.g. during assembly works.

PARAMETERS

Material:	plastic-coated galvanized steel cable ø 4,5 mm
Lanyard length:	63 cm
Lanyard length:	max. 150 cm
Maximum load:	2 kg



tested in accordance with
ANSI/ISEA 121-2018
2 kg

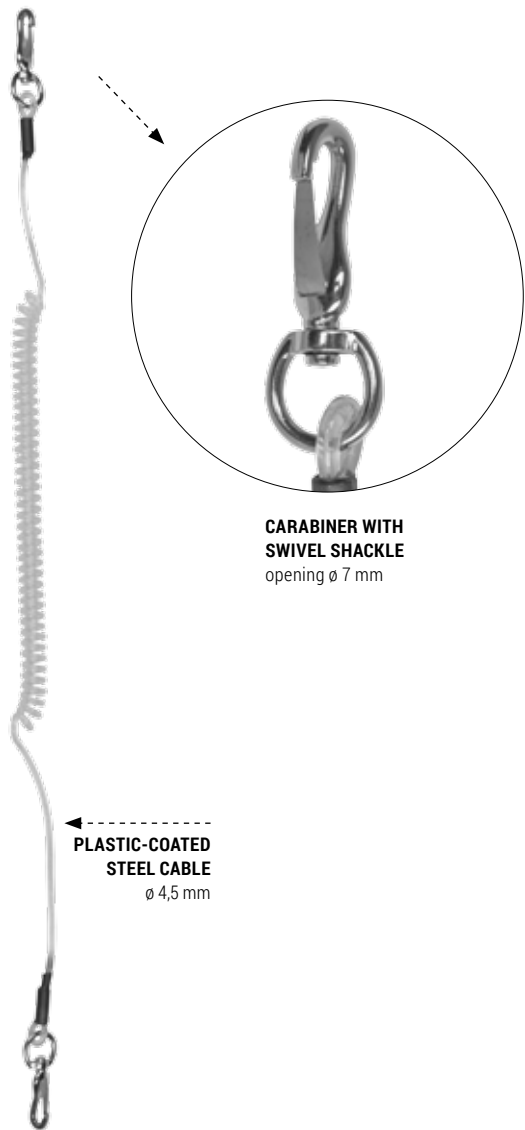
REF NO:

AY 040 / BT 002

AY 040 / BT 003

Tool lanyard

Ref no.: AY 040 / BT 003



Plastic-coated steel tool lanyard with a handy carabiner installed at both ends. Lanyard provides protection of tools against dropping, e.g. during assembly works.

PARAMETERS

Material:	plastic-coated galvanized steel cable ø 4,5 mm
Lanyard length:	63 cm
Maximum extension:	max. 150 cm
Maximum load:	2 kg



tested in accordance with
ANSI/ISEA 121-2018
2 kg

REF NO:

AY 040 / BT 003

AY 040 / BT 004

Tool lanyard

Ref no.: AY 040 / BT 004



Plastic-coated steel tool lanyard with a handy carabiner installed at both ends. Lanyard provides protection of tools against dropping, e.g. during assembly works.

PARAMETERS

Material:	plastic-coated galvanized steel cable ø 4,5 mm
Lanyard length:	63 cm
Maximum extension:	max. 150 cm
Maximum load:	2 kg



tested in accordance with
ANSI/ISEA 121-2018
2 kg

REF NO:

AY 040 / BT 004



AY 040 / BT 005

Tool lanyard

Ref no.: AY 040 / BT 005



Plastic-coated steel tool lanyard with a handy carabiner installed at both ends. Lanyard provides protection of tools against dropping, e.g. during assembly works.

PARAMETERS

Material:	plastic-coated galvanized steel cable \varnothing 4,5 mm
Lanyard length:	63 cm
Maximum extension:	max. 150 cm
Maximum load:	2 kg



tested in accordance with
ANSI/ISEA 121-2018
2 kg

REF NO:

AY 040 / BT 005



WEBBING
TOOL LANYARDS

AY 001

Wrist tool lanyard

Ref no.: AY 001



Wrist lanyard protecting against dropping of tools equipped with string and clip for adjustment. Wrapped around wrist using band with Velcro fastener.

PARAMETERS

Material:	polyester
Maximum load:	1 kg



tested in accordance with
ANSI/ISEA 121-2018
1 kg

REF NO:
AY 001



AY 002

Elastic belt tool lanyard

Ref no.: AY 002



Elastic belt tool lanyard protecting against dropping of tools with clip for adjustment.

PARAMETERS

Material:	polyester
Maximum load:	1 kg
Lanyard length:	max. 120 cm
Static strength:	15 daN / 3 min. without failure



tested in accordance with
ANSI/ISEA 121-2018
1 kg

REF NO:
AY 002



AY 011

Wrist tool lanyard

Ref no.: AY 011



Wrist lanyard protecting against dropping of tools equipped with string and clip for adjustment. Wrapped around wrist using band with Velcro fastener.

PARAMETERS

Material:	polyester
Maximum load:	1,5 kg



tested in accordance with
ANSI/ISEA 121-2018
1,5 kg

REF NO:
AY 011

AY 012

Elastic belt tool lanyard for left-handed users

Ref no.: AY 012



Elastic belt tool lanyard protecting against dropping of tools with clip for adjustment designed for left-handed users.

PARAMETERS

Material:	polyester
Maximum load:	0,5 kg
Lanyard length:	max. 115 cm
Static strength:	35 daN / 3 min. without failure



tested in accordance with
ANSI/ISEA 121-2018
0,5 kg

REF NO:
AY 012

AY 022

Tool lanyard

Ref no.: AY 022



Elastic belt tool lanyard protecting against dropping of tools. Equipped with a string and clip for adjustment and connecting buckle with Velcro fastener.

PARAMETERS

Material:	polyester
Maximum load:	0,25 kg
Lanyard length:	max. 150 cm
Static strength:	35 daN / 3 min. without failure



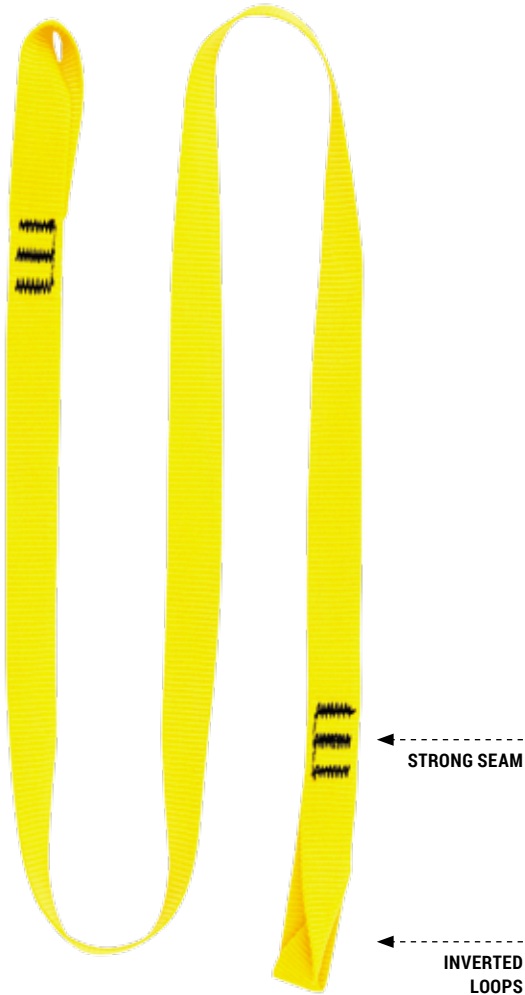
tested in accordance with
ANSI/ISEA 121-2018
0,25 kg

REF NO:
AY 022

AY 051

Tool lanyard

Ref no.: AY 051



Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, inverted loops – always open.

PARAMETERS

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	5 kN
Maximum load:	4 kg
Safety Factor:	7:1



tested in accordance with
ANSI/ISEA 121-2018
4 kg

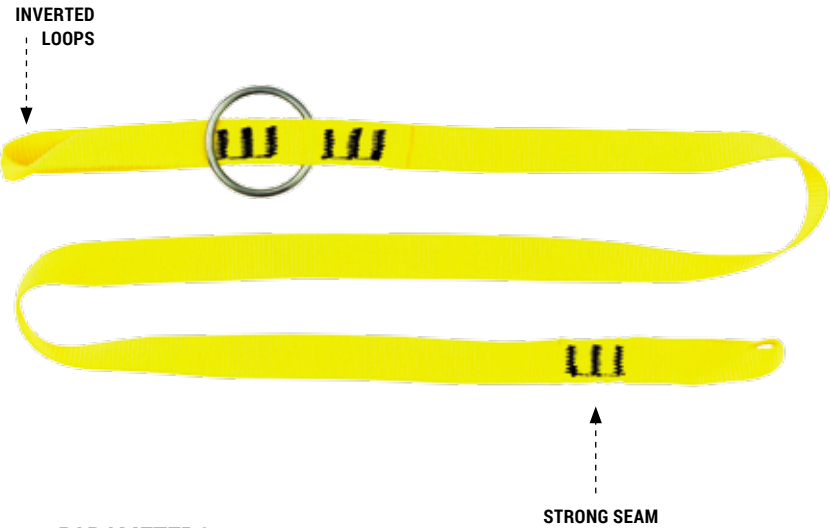
REF NO:
AY 051

AY 052

Tool lanyard

Ref no.: AY 052

Protection against dropping of tools, e.g. chainsaw or other accessories. Strong seams, handy inverted loops.



PARAMETERS

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	5 kN
Maximum load:	4 kg
Safety Factor:	7:1



tested in accordance with
ANSI/ISEA 121-2018
4 kg

REF NO:
AY 052

AY 053

Tool lanyard

Ref no.: AY 053



Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, handy inverted loops.

PARAMETERS

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	5 kN
Maximum load:	4 kg
Safety Factor:	7:1



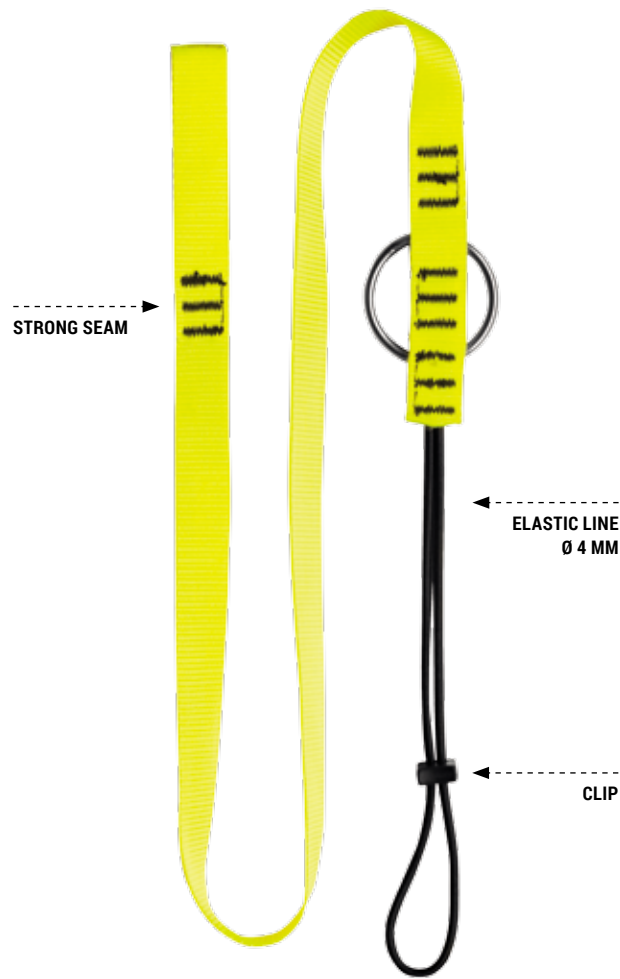
tested in accordance with
ANSI/ISEA 121-2018
4 kg

REF NO:
AY 053

AY 054

Tool lanyard

Ref no.: AY 054



Tool lanyard – protection against dropping of tools, e.g. assembly wrenches. Strong seams, equipped with elastic line at one end.

PARAMETERS

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
Maximum load:	0,5 kg
Safety Factor:	7:1



REF NO:
AY 054

AY 057

Tool lanyard

Ref no.: AY 057



Tool lanyard – protection against dropping of tools, e.g. assembly wrenches. Strong seams, equipped with elastic line at one end, and steel detachable carabiner with opening of 10 mm at the other.

PARAMETERS

Material:	webbing – polyester carabiner – steel
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
Maximum load:	0,5 kg
Safety Factor:	7:1



REF NO:
AY 057

AY 058

Tool lanyard

Ref no.: AY 058



Tool lanyard – protection against dropping of tools, e.g. assembly wrenches. Strong seams, equipped with elastic line at one end, and steel detachable carabiner with opening of 7 mm at the other.

PARAMETERS

Material:	webbing – polyester carabiner – steel
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
Maximum load:	0,5 kg
Safety Factor:	7:1



REF NO:
AY 058

AY 059

Tool lanyard

Ref no.: AY 059



Tool lanyard – protection against dropping of tools, e.g. assembly wrenches. Strong seams, equipped with elastic line at one end, and stainless-steel detachable carabiner with opening of 7 mm at the other.

PARAMETERS

Material:	webbing – polyester carabiner – stainless steel
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
Maximum load:	0,5 kg
Safety Factor:	7:1



REF NO:
AY 059

AY 060

Tool lanyard

Ref no.: AY 060



Tool lanyard connected by two swivel shackles (enabling 360° rotation) – protection against dropping of tools, e.g. assembly wrenches. Strong seams, equipped with stainless-steel carabiners with opening of 10 mm at both ends.

PARAMETERS

Material:	webbing – polyester carabiner / swivel shackles – stainless steel
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
Maximum load:	0,5 kg
Safety Factor:	7:1



tested in accordance with
ANSI/ISEA 121-2018
3,0 kg

REF NO:
AY 060

AY 055

Tool lanyard

Ref no.: AY 055



Elastic tool lanyard – protection against dropping of tools, e.g. power screwdriver or chainsaw. Strong seams, handy inverted loop.

PARAMETERS

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	5 kN
Maximum load:	30 kg
Safety Factor:	7:1



tested in accordance with
ANSI/ISEA 121-2018
30 kg

REF NO:
AY 055

AY 132

Tool lanyard

Ref no.: AY 132



CARABINER WITH
SWIVEL SHACKLE
opening ø 10 mm

Elastic tool lanyard with carabiner. Protection against dropping of tools, e.g. assembly wrenches.

PARAMETERS

Material:	polyester
Lanyard length:	64 cm
Maximum extension:	max. 125 cm
Maximum load:	0,5 kg



tested in accordance with
ANSI/ISEA 121-2018
0,5 kg

REF NO:

AY 132

AY 133

Tool lanyard

Ref no.: AY 133



KARABIŃCZYK
Z KRĘTLIKIEM
opening ø 12 mm



Elastic belt tool lanyard with carabiner. Protection against dropping of tools, e.g. assembly wrenches.

PARAMETERS

Material:	polyester
Lanyard length:	64 cm
Maximum extension:	max. 125 cm
Maximum load:	1 kg



tested in accordance with
ANSI/ISEA 121-2018
1 kg

REF NO:

AY 133

AY 135

Tool lanyard

Ref no.: AY 135



Elastic tool lanyard – protection against dropping of tools, e.g. assembly wrenches.

PARAMETERS

Material:	polyester
Lanyard length:	64 cm
Maximum extension:	max. 125 cm
Maximum load:	0,5 kg



tested in accordance with
ANSI/ISEA 121-2018
0,5 kg

REF NO:

AY 135

AY 153

Tool lanyard

Ref no.: AY 153



Elastic tool lanyard with handy inverted loop. Protection against dropping of tools, e.g. assembly wrenches.

PARAMETERS

Material:	polyester
Lanyard length:	64 cm
Maximum extension:	max. 125 cm
Maximum load:	15 kg



tested in accordance with
ANSI/ISEA 121-2018
15 kg

REF NO:

AY 153



TOOL HOLDERS

AY 300

Tool holder

Ref no.: AY 300



AY 300 is a webbing tool holder fixed using Velcro fastener to a belt or straps of harnesses or full body harnesses. Provides optimum arrangement of tools which in turn improves working comfort. AY 300 enables connection of e.g. tool lanyard.

PARAMETERS

Material:	polyester rolex webbing plastic holder
Webbing width:	40 mm
Max. load:	2 kg



2 kg

REF NO:

AY 300

AY 301

Tool holder

Ref no.: AY 301



AY 301 is a webbing tool holder fixed using Velcro fastener to a belt or straps of harnesses or full body harnesses. Provides optimum arrangement of tools which in turn improves working comfort. AY 301 enables connection of e.g. tool lanyard.

PARAMETERS

Material:	polyester rolex webbing steel holder
Webbing width:	40 mm
Max. load:	2 kg



REF NO:
AY 301



STRAP WITH
VELCRO
FASTENER

STEEL
HOLDER

AY 302

Tool holder

Ref no.: AY 302



AY 302 is a webbing tool holder fixed using Velcro fastener to a belt or straps of harnesses or full body harnesses. Provides optimum arrangement of tools which in turn improves working comfort. AY 302 enables connection of e.g. tool lanyard.

PARAMETERS

Material:	polyester rolex webbing plastic holder
Webbing width:	40 mm
Max. load:	2 kg



REF NO:
AY 302



STRAP WITH
VELCRO
FASTENER

PLASTIC
HOLDER

AY 303

Tool holder

Ref no.: AY 303



AY 303 is a webbing tool holder fixed using Velcro fastener to a belt or straps of harnesses or full body harnesses. Provides optimum arrangement of tools which in turn improves working comfort. AY 303 enables connection of e.g. tool lanyard.

PARAMETERS

Material:	polyester rolex webbing steel holder
Webbing width:	40 mm
Max. load:	2 kg



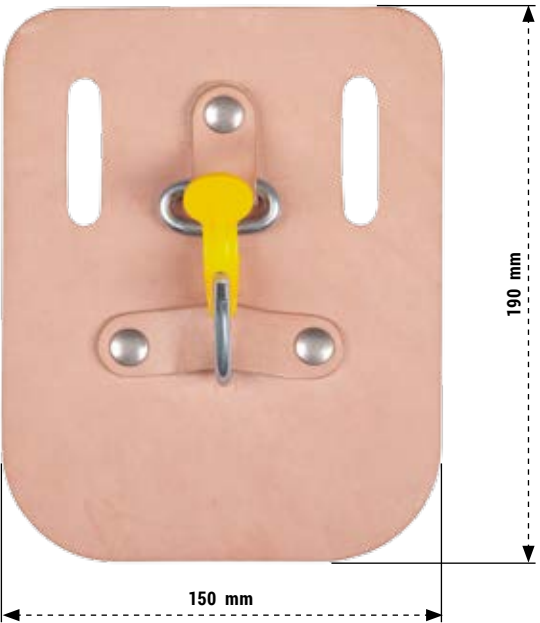
REF NO:
AY 303

AY 061

Tool holder

Ref no.: AY 061

Tool holder for fixing to a belt at a harness, with webbing width from 40 to 50 mm.



PARAMETERS

Harness webbing width:	40 - 50 mm
Material:	leather
Dimensions:	150 x 190 mm
Weight:	126 g

REF NO:
AY 061

AY 100

Tool holder

Ref no.: AY 100



AY 100 is a carabiner used as a tool holder, attached to straps of a harness or a full body harness to provide optimum arrangement of tools and in turn improve working comfort. AY 100 enables connection of tool lanyard also.

Note!
AY 100 is not personal fall protection equipment.

PARAMETERS

Weight:	25 g
Dimensions:	108 x 54 x 14 mm
Working Load Limit (WLL):	5 kg
Material:	polyamide, glass fibre, stainless steel
Breaking strength:	> 25 kg



5 kg

REF NO:
AY 100



TOOL BAGS
AND BELTS

TA 304

Large tool bag

Ref no.: TA 304



Large and handy bag for handling of assembly accessories, made of strong polyester. It is equipped with multiple pockets and compartments both inside and outside to provide optimum arrangement of tools. The bag has an adjustable strap for comfortable carrying on shoulder.

PARAMETERS

Weight:	2,4 kg
Dimensions:	500 x 300 x 300mm
Material:	polyester
REF NO:	TA 304



TA 305

Handy tool bag

Ref no.: TA 305



Handy tool bag for handling of assembly accessories, made of strong polyester. It has multiple pockets and compartments inside to ensure tools are in place. The bag has an adjustable strap for comfortable carrying on shoulder.

PARAMETERS

Weight:	1,0 kg
Dimensions:	375 x 260 x 90 mm
Material:	polyamide, glass fibre, stainless steel

REF NO:
TA 305

FUNCTIONAL
AND ERGONOMIC
ARRANGEMENT
OF TOOLS!



AY 200

Hip tool belt

Ref no.: AY 200



Hip tool belt fastened with Velcro fastener. Provides optimum arrangement of tools which in turn improves working comfort. AY 200 enables connection of e.g. tool lanyards.

PARAMETERS

Belt webbing width:	70 mm
Material:	polyester
Weight:	251 g

REF NO:
AY 200



AY 210

Hip tool belt

Ref no.: AY 210



Hip tool belt fastened using connecting and adjusting buckle. Provides optimum arrangement and handling of tools which in turn improves working comfort.

PARAMETERS

Belt webbing width:	40 mm
Material:	polyester
Weight:	420 g

REF NO:	
AY 210	

AY 220

Hip tool belt

Ref no.: AY 220



Hip tool belt fastened using connecting and adjusting buckle. Provides optimum arrangement and handling of tools which in turn improves working comfort.



PARAMETERS

Belt webbing width:	40 mm
Material:	polyester
Weight:	560 g

REF NO:	
AY 220	



ALL ABOUT FALL PROTECTION EQUIPMENT

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