

**Product:** Energy Absorbing Lanyards

**Type:** FD40 Flex: Lanyard 1.80 m, Y-Lanyard 1.80 m (EN/ANSI)

## Product description

The lanyard with shock absorber is part of personal protective gear for fall protection and should belong to the user personally. It consists of a shock absorber FD40 MAX, a Mittelmann elastic webbing B35 and one or two karabiners on the ends of the lanyard. Together with a body harness it can be connected to an anchor point. The energy absorber FD40 MAX is compliant with ANSI/ASSP Z359.13 and EN 354:2010 and has the function of reducing the shock force that is affecting persons and the entire safety system.



**Lanyard**  
(FD40 Flex)

⇒ item number **180910**

**Y-Lanyard**  
(FD40 Flex)

⇒ item number **181060**

⇒ customs tariff number **63079098**



### Technical specification:

|   |                            |                             |
|---|----------------------------|-----------------------------|
| <b>Max. length:</b>                             | 6 ft = 1.8 m               |                             |
| <b>Max. elongation engaged energy absorber:</b> | 12 ft = 3.6 m              |                             |
| <b>Min. nominal load EN:</b>                    | 110 lbs = 50 kg            |                             |
| <b>Min. nominal load:</b>                       | 130 lbs = 59 kg            |                             |
| <b>Max. nominal load:</b>                       | 310 lbs = 140 kg           |                             |
| <b>Tested free fall (FF) distance:</b>          | 12 ft FF = 3.6 m FF        |                             |
| <b>Max. arresting force:</b>                    | 1800 lbs = 8 kN            |                             |
| <b>Avg. arresting force:</b>                    | 1350 lbs = 6 kN            |                             |
| <b>Life span:</b>                               | 10 years                   |                             |
| <b>Environmental Temperature:</b>               | Min.<br>- 40 °C<br>- 40 °F | Max.<br>+ 60 °C<br>+ 140 °F |

### Application areas:

Protection from falling from height  
Work positioning / retaining from edges

### Standards:

|                        |                           |
|------------------------|---------------------------|
| ANSI/ASSP Z359.13-2013 | Energy Absorbing Lanyards |
| DIN EN 354:2010        | Lanyards                  |
| DIN EN 355:2002        | Energy Absorbers          |

The lanyard with integrated energy absorber can be used with horizontal installation with an exposure over one edge ( $r_{min} = 0,5mm$ ).

