

Update in 2017 of the **Standard Z259.11**

Personal Energy Absorber and Lanyards (3rd Edition)



In January 2017, the Canadian Standards Association (CSA Group) updated the standard Z259.11 Personal Energy Absorber and Lanyards. This third edition aims to specify the requirements concerning performance, design, tests, labeling and marking of personal energy absorbers and lanyards.

Main differences in the 3rd edition

	Update of the reference publications and definitions	The addition of a class Y lanyard and its static resistance test	
	Addition of new labeling requirements	Revision of the dynamic fall test	
	Modification of the lanyard mass test and drop test	Elimination of energy absorber classes E4 and E6	
	Addition of minimum performance factors , the maximal deceleration force and average deceleration factor for energy absorbers		

What does it mean to the employers

The changes involve a new way of selecting energy absorbers:

- Classes E4 (45kg-115kg) or E6 (50kg-175kg) are no longer in use
- The information on the label must be durable, readable and written both in French and English.
 - The name of the manufacturer
 - The maximum mass of the worker specified by the manufacturer
 - The model number
 - The certification body, if certified
 - The manufacturing date
 - The product label must warn the user to read the instructions before using the energy absorber.
 - Free-fall distance
 - Maximum deployment factor adjusted to the nearest 0.1
 - Range of allowed masses (weight of the worker with his equipment)

This new labeling will:

- Facilitate equipment management
- Offer greater choice flexibility (no longer simply based on the maximum weight that the device can absorb)

But also,

- Allow the calculation of the necessary fall arrest distance

REMINDER!

- Calculated according to :
1. The length of the connecting device
 2. The energy-absorbing device deploying distance
 3. The height of the worker
 4. The security factor

For an easier identification

Absorbers for falls of less than 1.8 m = white label with black lettering



Absorbers for falls of more than 1.8 m = black label with white lettering

It is important to note that safety equipment compliant with the standard's previous version can stay in service until the end of the equipment service life.