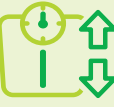



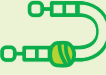



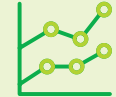




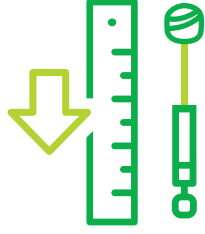
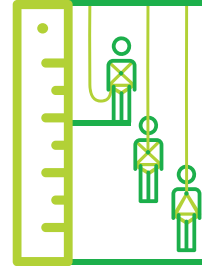


Personal energy absorbers and lanyards:

CSA standard changes and how these changes affect workers.

Energy Absorbers	Lanyards	Labels and Instructions
 <p>Manufacturers must now specify user weight ranges in place of the old E4/E6 classifications.</p>	 <p>New Y classification and design requirement that a Y lanyard must have an energy absorber.</p>	 <p>Restraint and positioning lanyards that do not have an integral energy absorber must have a warning on the label indicating that an energy absorber is recommended for fall arrest applications.</p>
 <p>Manufacturers must now specify maximum deployment distances in place of the old E4/E6 classifications.</p>	 <p>New requirement that a wire rope lanyard must have an integral energy absorber.</p>	 <p>The label will have the permitted user mass range, the maximum free-fall distance and maximum deployment of the energy absorber.</p>
 <p>New minimum performance factors established for manufacturers based on deceleration criteria (e.g. 8 to 10 g-forces for up to 0.1 seconds).</p>	 <p>Lanyard eyes must be formed by Flemish eye splices and secured with mechanical sleeves.</p>	 <p>Instructions must now include a table, chart or graphic illustration showing the amount of deployment of the energy absorber based on the worker weight and free-fall distance.</p>

Key Numbers

Weight	Free-Fall	Max Deployment	Fall Clearance
 <p>Workers need to know their weight, including any tools and clothing on them, in order to ensure the proper lanyard is used. Under the new standard, some 3M energy-absorbing lanyards will have a capacity of up to 420 lb.</p>	 <p>Workers need to know how much (if any) free-fall would be experienced in the event of a fall. 3M permits no more than 5.9 ft of free-fall distance for our lanyard offering.</p>	 <p>Workers need to know how much their energy absorber will deploy, based on the worker's weight and free-fall distance. 3M's instruction manuals have graphs that show the maximum deployment length.</p>	 <p>Workers need to ensure their energy-absorbing lanyard provides sufficient fall clearance. If there is potential for impact, an energy-absorbing lanyard will not protect the workers and other methods of fall protection should be considered.</p>

For more information, please visit us at 3M.ca/FallProtection or reach out to us at the Fall Protection Safety line 1-800-387-7484.