



March 25, 2010

Self Retracting Lifelines used in Horizontal Applications

When using self-retracting lifelines in a horizontal application, please use all safety precautions as outlined in the product instruction manual IM-0002A provided with retractable lifeline at time of shipment.

3M permits self-retracting lifelines to be used in horizontal applications provided the special considerations listed below are followed:

SHOCK ABSORBER: Use of a shock absorber (3M item 3012) is recommended to help reduce the arresting force if a worker should fall. A two foot shock absorber extension will increase the fall distance by 5.5 ft. (2 ft + 3.5 ft deployment). Consideration should be taken to accurately calculate fall clearance distances. Shock absorber shall be attached to the fall arrest harness dorsal D-ring then to snap hook of self-retracting lifeline. Use of a shock absorber will keep forces below the cable sheer strength of the wire rope in the event of a fall over a leading edge or 90° bend in cable.

SRL POSITIONING: The SRL cable assembly must be free to extract and retract unhindered from the SRL housing. It may be required to position SRL housing on the side of the device instead of the back or front label face sides of the SRL in the event of cable spooling or resisted retraction of cable.

ANCHOR POINT: Always check the strength, compatibility and the location (as high as possible) of the anchor point. Refer to instruction manual IM-0002A for anchorage requirements.

FALL DISTANCE: When using SRL's horizontally, the potential for increased fall distance is greater. Use all necessary precautions to prevent a falling worker from striking objects below. Protect the lifeline from making contact with any object that could cause damage (cuts and tears from leading or sharp edges and materials).

SWING FALL HAZARDS: Precautionary measures should be taken to prevent swing fall hazards. Please read and follow all product instructions before using any 3M fall protection equipment. Contact 3M customer service at 1-800-560-1094 if you have any questions or concerns.

TRAINING: Employees shall be trained on the proper selection, care, use and maintenance of personal fall arrest equipment.