

Technical Bulletin

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Subject: Use of Manual Rope Adjusters in Flat and Sloped Roof Applications

The use of Capital Safety manual rope adjusters on flat or sloped roofs is acceptable as a means of fall protection under most conditions. The following guidelines should be observed and special conditions noted.

1. The manual rope adjuster must be used on a lifeline, which meets the requirements specified in the user instruction manual (i.e., size, construction, material, and strength).
2. The anchorage point shall be capable of supporting 15kN (for one person) for fall arrest or 6kN for restraint applications. See user instruction manual for additional anchorage strength information.

NOTE: Restraint anchorage may only be used where there is no possibility of a fall. A restraint anchorage does not have sufficient strength for fall arrest.

3. The manual rope adjuster shall be connected to an energy absorber (300mm maximum length) via a locking karabiner which is attached to the rear or front fall arrest point of the harness.
4. Where possible, provisions should be made (warning lines or guardrails, etc.) to prevent swing falls from otherwise unprotected roof edges or corners.
5. The lifeline must be protected from contact with sharp or abrasive edges and surfaces.
6. The manual rope adjuster locking operation must not be hindered by interference with the roof or objects on the roof surface.
7. Make certain enough clearance exists in the path of the fall to prevent striking an object. See user instructions for additional fall clearance information.
8. The manual rope adjuster and the lifeline system shall be positioned to prevent a free fall exceeding 600 mm. Restraint systems must be used for restraint purposes only.
9. Training shall be conducted on the correct care and use, operating characteristics, application limits and consequences of improper use of the rope adjuster system.
10. All applicable guidelines in the user instruction manual must be followed.