



Overhead Rigid Rail Fall Arrest System

Rigid Rail track is permanently installed directly overhead work situations needing fall arrest. The system is usually equipped with an SRL (Self Retracting Lifeline) on the rail. The SRL snap hook is pulled down to the worker at ground level who attaches the snap hook to his back D-ring. From that point, as the worker climbs up or moves along or climbs down, he is constantly attached to the SRL and his lifeline is kept tight without any adjustment from him. The eye of the trolley swivels so his equipment does not twist when he turns round.

This new rigid fall arrest track system outperforms traditional wire rope systems. The main advantage is that the rigidity of the track, together with the fast reaction of a retractable lanyard, stops the worker's fall in the shortest possible distance. The track is ideal for installing over machinery or transport vehicles where there is not always a clear area below. In such cases the need to stop workers falling into or onto a protruding object is paramount. The best way to achieve this is by limiting the fall distance with a rigid track and SRL combination. The worker may travel out 30° either side of vertical below the rail. This limitation is important to avoid swing pendulum falls. Standard lanyards or ropes are permitted if fall clearances allow.

Rail is mounted to existing structure where possible or supplied as self supporting rigid trusses between two points on the same level. Spans of 40 ft and beyond are reached with trussed track, which reduces the cost of mounting the system. Rail is made as single, double or triple tracks. Exterior, fold-away and mobile tracks are produced successfully. Custom track with 4ft radius corners possible.

When mounted to lightweight building structure rigid track has an advantage over wire rope systems, as rail absorbs a shock better than wire when subjected to a dynamic load such as a fall. This means that, compared with a wire system, it is possible to install rail with fewer mountings, saving money on engineering, strengthening supports and installation time.

All installations comply with current CSA and ANSI standards.

- Permanently installed fall arrest rail system
- Trussed rail allows long spans of 40ft between supports
- Dual or triple tracks mean multiple workers can pass each other
- Built-in anchor trolley glides effortlessly in track
- Ideal when working with retractable lanyards
- Minimizes fall distance and therefore worker injury
- Rigid rail does not sag during a fall like a wire rope system does
- Rigid rail does not need expensive shock absorbers like wire rope systems
- Doesn't need resetting after a fall making down time minimal

