**Clearance**

**Single person load—140kg**
(800 mm lanyard FF1)

- Device stopping distance: 0.26m
- Lanyard length: 0.8m
- User height: 1.5m
- Ground Clearance: 1m
- Total clearance required: 3.56m

**Rescue load—240kg**
(800 mm lanyard FF1)

- Device stopping distance: 1.71m
- Total clearance required: 5.01m

Based on all of the information above, the recommended ‘clearance’ required below the working location of a single user is 3.56m and a rescue load is 5.01m.

In order to work within this clearance zone (0—5.01m), the user MUST ensure that the RED device remains as high as is practically possible.

Example 1 - if a single user ensures that their maximum fall distance (slack in their lanyard) is 200mm, then the clearance required below the device would be 2.36m. For a single user ensuring their maximum fall distance is 400mm, the clearance required is 2.37m.

Example 2 — In a rescue scenario (240kg) the clearance figures are 2.41m (200mm FD) and 2.67m (400mm FD) respectively.

(Please note the figures detailed for working within the clearance zone do not allow for the 1m safety clearance, nor for any rope stretch. In a training environment, injury risk within the clearance zone can be further mitigated by providing crash mats).