

# SAFETOR ROOF ANCHORS

**... when your life is on the line!!**

**This is to help you better understand what a loading of 15kN and 21kN looks like**

AS/NZS 1891.4 2009 Standards

Table 3.1  
Strength Requirements for Anchorages

Anchor purpose	Ultimate strength in direction of loading
1 person free fall arrest	15kN
2 persons free fall arrest attached to the same anchor	21kN
1 person limited free fall arrest	12kN

The strengths for anchorage points when using a restraint technique are either 12kN or 15kN depending on whether the ultimate fall is free fall or limited free fall.

Note:

- (a) Ultimate strength means that the anchor may yield at the stated load but must not fail.
- (b) As far as practicable all 1 person anchors should meet the minimum 15kN requirements regardless of their primary purpose.
- (c) All of the above has a safety factor of two included

### 3.1.2

- (a) The anchor and the structure the anchor is attached to must be able to sustain the ultimate load as shown in table 3.1

If the anchors you are having installed on your building cannot support the weight of this car then they do not comply to the: AS/NZS1891.4.2009 Standards

**15kN**



If the anchors you are having installed on your building cannot support the weight of this car and cement as shown below, then they do not comply to the: AS/NZS1891.4.2009 Standards

**21kN**



**+**



15 x 40kg BAGS OF CEMENT WEIGHT= 600kg