

AS 4084-2012 Steel Storage Racking

Extract Regarding Upright Protector Requirements and Design.

From Section 2.4.1

Impact damage caused by fork-lift trucks or other moving equipment against racking uprights shall be avoided by appropriate operator training and safety measures. The minimum requirements for the protection of corner uprights shall be as follows:

- a) An upright protector with a height of not less than 400 mm shall be positioned at the end upright of each run of racking between cross-aisles.
- b) An upright protector shall be positioned at all those uprights positioned at aisle and gangway intersections.
- c) The upright protector shall be designed for an energy absorption of not less than 400 Nm in any direction at any height between 0.1 m and 0.4 m.
- d) The upright protector shall be positioned in such a way that, after its deformation by absorbing an impact, the upright will not be damaged.

NOTES:

Uprights other than corner uprights may be protected in a direction normal to the aisle, depending on the preference of the user.