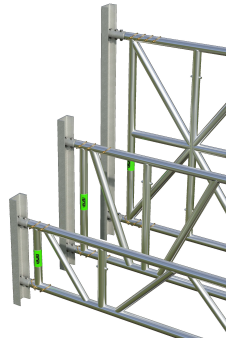


LV45/LV78/LX133 BEAM END BRACKETS DATA SHEET



Ultimate Bracket Capacities

LX133 Bracket - 15.2 kg	
Moment Capacity	76.9 kN.m (u)
Shear Capacity	30.1 kN (u)
Tensile Capacity	107 kN (u) applied equally across both chords

LV78 Bracket - 13.0 kg	
Moment Capacity	43.9 kN.m (u)
Shear Capacity	30.1 kN (u)
Tensile Capacity	137.4 kN (u) applied equally across both chords

LV45 Bracket - 9.3 kg	
Moment Capacity	24.1 kN.m (u)
Shear Capacity	30.1 kN (u)
Tensile Capacity	96.2 kN (u) applied equally across both chords

NOTES

1. Stated capacities are ULS and relate to the bracket only. The beam must be checked for the design forces in each case.
2. It is assumed that M12 Gd 8.8 bolts/pins are used in all holes available to secure the beam ends to the brackets.
3. The user is responsible for the design of the anchors securing the bracket to the substrate. At the stated bracket capacities significant forces will be developed in the anchors, approximately equal to the tensile capacity of an M12 Gd 8.8 bolt at 49 kN (u). The user should be aware of the available anchor capacity on site – for example an M12 expansion bolt in cracked concrete may achieve a design (u) load of 16 kN (Rawl R-SPL-II-L SafetyPlus II – Loose Bolt). The user should refer to the chosen manufacturers technical data for specific load capacities.