

Truss Booms

A truss boom is used to pick up and position trusses. It is actually an extended boom attachment that is outfitted along with a triangular or pyramid shaped frame. Typically, truss booms are mounted on machines such as a skid steer loader, a compact telehandler or even a forklift using a quick-coupler accessory.

Older cranes have deep triangular truss booms which are assembled from standard open structural shapes which are fastened utilizing bolts or rivets. On these style booms, there are few if any welds. Each and every riveted or bolted joint is prone to corrosion and therefore needs frequent maintenance and inspection.

A general design feature of the truss boom is the back-to-back arrangement of lacing members. These are separated by the width of the flange thickness of another structural member. This particular design causes narrow separation amid the smooth surfaces of the lacings. There is little room and limited access to clean and preserve them against corrosion. Numerous bolts loosen and corrode inside their bores and must be changed.