

Direction of loading and typical attachment

The D-plate anchorage connector, PN 506632 can maintain its minimum breaking strength of 5000 lbs in any radial direction along its rotation path.

MSA Fall Protection User Instructions specify attachment of the MSA D-Plate to a beam or other suitable anchor by means of SAE Grade 5 bolts. MSA Fall Protection has approved a welded attachment of the D-Plate on a case-specific basis as part of an engineered system, when the system is designed, installed and used under the supervision of a Qualified Person.

Welding

MSA recommends a full fillet weld around all four sides of the plate, leaving a space around the swivel portion of the bracket to permit free movement of the integral D-ring.

The MSA 506632 D-Plate is constructed of AISI A36 structural steel bar, 0.25 in thick, with a galvanized finish. Welding should be performed in accordance with AWS D1.1 Code specifications by an AWS Code-certified welder and inspected for full penetration by a certified weld inspector. After welding, the exposed surfaces should be protected by application of a cold-galvanize finish, or equivalent corrosion protection.

Due to the inherent variations possible with welded connections, MSA does not warrant the use of the product when welded in the field. Welding remains the responsibility of the Qualified Person who oversees this method of attachment. Refer to OSHA guidelines in 29CFR1926 for the definition of Qualified Person.