

Thriebeam™

Installation

When installing long runs of **Thriebeam™**, keep the assembly of rail as close as possible to post installation. The post bolt slots are oversize to give site tolerance.

When installing **Thriebeam™** on curves it is particularly important that only a few posts are positioned ahead of the rail fixing crew because accurate positioning of posts is required.

It is essential that the lap of the rail is always in the direction of the nearest traffic lane to prevent snagging and possible penetration into a vehicle on heavy impact.

Backing Pieces

When steel blockouts are used, both rail types require a backing piece at the intermediate post. Backing pieces are NOT required when timber blockouts are used.

Splice Joint

Each joint comprises eight splice bolts - grade 8.8 - and these must be fully tightened.

Posts

For the **Thriebeam™**, Test level 3 system the standard timber posts are 200 x 150 mm treated timber. For **Thriebeam™**, Test Level 4 system the standard steel posts are 150 x 102 "I" section driven posts with a 150 x 102 "I" section modified blockouts. For a Test Level 4 system on a bridge deck the "I" section post is available with a welded base plate. Other steel post options are available on request.

Typical post heights are 1980 mm for timber posts and 2060mm for steel posts used on highway installations. On bridge decks the steel post heights on a bridge deck are 765 mm for Test level 3 and 825mm Test Level 4.

Both types require a 'blocking out' piece which holds the rail out a minimum of 200mm to ensure that under deflection the wheels of the vehicle do not hit the posts.