

TRAM Height Safety System For Mobile Cranes and Plant



General

TRAM comes in fixed-base, or rail mounted versions. With a rotating base option available, TRAM can be fitted to platforms with ladders mounted at either side or end.

The TRAM rail mounted version, shown in the main diagram, is comprised of the TRAM unit, the TRAM belt and the TRAM Rail. It is designed for various industrial, mining, defence, transport and domestic height safety applications to provide the user with an ideal system of mobility, stability and restraint.

As well as preventing falls on the platform or walkway, TRAM provides protection in making the transition of the user between the ladder and the platform or walkway.

TRAM components

Base

Adjustable rollers to ensure smooth operation and minimal play. Gas piston controls the pivoting action to assist the user in transition between ladder and and walkway and to ensure that the arm does not drop

Handhold

Three position settings – vertical, horizontal and 45° Clutch and brake levers ensure that the arm and base remain where they are intended to be until the user wants to move them. Anchor points comfortably spaced and looped around the handhold for additional strength

Rail

Stainless or galvanized steel in 50mm or 2 inch rolled hollow section (RHS) with welded cleats attached to the vehicle or equipment by purpose-designed welded or riveted mounting blocks.

Belt

Designed to ensure the user is kept in position on the walkway in the event of a slip, trip or incapacitation. Double-action hooks used to ensure they cannot be opened accidentally. A full body harness fitted with two lanyards and double-action hooks is also available.

Certification and testing

The TRAM unit, rail and belt have been tested by accredited laboratories and are compliant to

- TRAM unit and rail - AS/NZS 1891.4:2000
- TRAM belt - AS/NZS 1891.1:1995

Recent tests proved that TRAM will withstand forces of in excess 23 kN

