

Modular cargo unit comprises a base equipped with at least two pairs of fitting holes arranged across the width of the modular loading unit, at a distance of 2259 mm, allowing for the insertion of vehicle fitting stops, and side posts forming a loading opening and spaced wider than the fitting holes. The base consists of a frame comprising side beams made of rectangular tubes, cross beams made of rectangular tubes, and end beams made of U-shaped profiles, covered with horizontal plates; the side posts are made of rectangular tubes to secure the cargo being transported from shifting in the longitudinal plane. The modular cargo unit is equipped with frame-type end walls made of rectangular tubes and supported with diagonal braces. To reduce the vertical and longitudinal loads acting on the modular cargo unit during operation, its design incorporates sandwich-type components in the form of sandwich panels, which form the floor and reinforce the end walls. Each sandwich-type panel consists of two metal sheets with a layer of energy-absorbing material between them.