

4,500 LB CAPACITY RAIL GUIDED LIFT FOR LIGHT RAIL VEHICLE MAINTENANCE

SPECIALTY SOLUTION #205

RAIL/TRANSPORTATION

- 4,500 lb capacity, hydraulic actuation, 148"L x 49"W x 21"LH, 45" vertical travel
- Lift equipped with top wobble plate allowing ± 1 " of horizontal adjustment (additional flexibility to remove and install equipment on the underside of vehicles) on all four sides
- Wobble plate set on ball roller transfers, and also includes heavy duty plastic guides on corners for flexibility
- Operated by hand-held pendant
- Includes various safety features



Handling Specialty was approached by a transit organization in Canada to design and manufacture a custom material handling solution to assist technicians in removing and re-installing a large metal housing (containing electronics) weighing up to 4,500 lbs from the underside of Siemens transit vehicles. A wobble plate was installed on top of the lift because the metal housing requires manipulation during the re-installation process, and the wobble plate allows movement 1" horizontally in all four directions. In terms of positioning the lift itself, it is manually pushed under the transit vehicles via a set of steel flanged wheels designed to move on 56 1/2" standard gauge track. This material handling solution could also be motorized or self-propelled, and could also be engineered to remove trucks (bogies) DMU engines etc.