



HO Scale Kit **LOADING RAMP** 933-4130

Thanks for purchasing this Cornerstone kit. All parts are styrene plastic, so use compatible paint and glue to finish and assemble your model. You may find it easier to build some parts as subassemblies before painting, and paint smaller parts before removing them from the sprue.

For shippers and receivers, time spent waiting to spot trailers at a traditional dock can add up quickly, while industries without docks also need a convenient way to handle incoming or outgoing shipments. For several years, many have used portable yard ramps (also known as portable loading docks or portable loading ramps) that can be taken directly to waiting trailers, or transfer loads to and from the ground; similar stationary designs are also available if the ramp doesn't require repositioning. With capacities ranging from 60,000 to 100,000 pounds (27.2 - 45.3 mt), the ramps can easily support the weight of a forklift and a load, but are also handy where pallet jacks are the primary means of moving loads in and out. Various deck lengths from 20' to 30' (6 - 9.1m) are common, with longer ramps used where less steep grades are desirable. Although simple in design, the ramp actually consists of several heavy-duty steel parts. At the lower end is the approach, which rests on the ground for an easy transition that minimizes any sudden bumps that could cause a load to shift or otherwise be damaged. The main deck actually consists of two parts, the lower angled ramp, and a flat transition section at the top that allows for more secure footing; these are typically fabricated from steel grating to keep rain, snow or dirt from building up on the surface. The heavy steel side girders provide the attachment point for all of these parts, and extend a few inches above the approach and deck to act as a rub rail keeping forklifts or pallet trucks from running off the sides. So they can easily be moved and positioned, many are equipped with locators for the front forks on a forklift, while others use tow bars, and the ramps roll on casters or small wheels and tires. In operation, a hand-crank or on board hydraulics are used to raise and lower the ramp as needed. It's then placed with the small supports at the top end resting on the floor of the trailer or dock. Finally, the ramp is secured with the attached safety chains to prevent slippage. Your new model is a great addition to a modern team track scene, as well as the receiving and shipping areas and docks of almost any industry. Other users include the military, commercial moving companies and equipment rental firms. For additional ideas to complete your scene see your local dealer, check out the current Walthers Model Railroad Reference Book or visit us online at walthers.com.

PLEASE NOTE: To show the correct location of the wheel assembly, this sketch illustrates the ramp from the underside.

1) Be sure both the Right (2) and Left (3) Side Girders are spaced evenly at top and bottom; the small inset supports at the top extend slightly beyond the Deck (1) end. With the raised ridge resting on the underside of the Deck as shown, glue both Side Girders in place.

2) Note the small raised rectangular areas on the bottom of the deck; align and glue Right (4) and Left (5) Supports in place as shown. Insert Axle (6) through top of supports. Glue a Wheel (2x 7) to each end of the Axle.

