



HO Scale Brass Kit **CAGED LADDERS & SAFETY CAGES** 933-2956

Thanks for purchasing this Cornerstone detail kit. All parts are photo-etched brass for a near-scale thickness. Please take a few moments to study the drawings and read these instructions before starting. For additional details, structures and supplies see your participating dealer, check out the current Model Railroad Reference Book or visit us online at walthers.com.

General Assembly Instructions

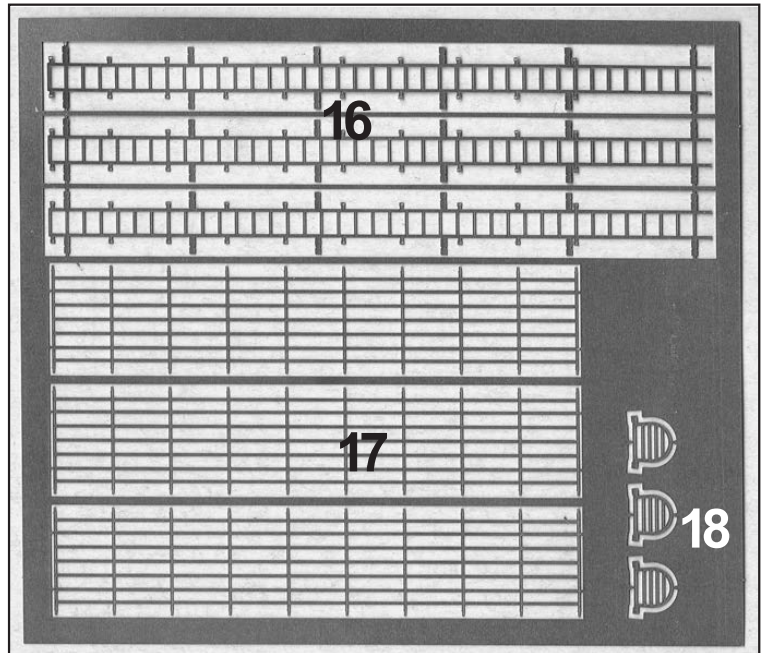
PLEASE NOTE: As these parts are small and may have sharp edges, handle with care when cutting them from the fret and during installation. Larger parts can be cut from the fret using special photo-etched scissors, or a new #18 flat blade in an appropriate hobby knife handle. If using a knife, work on a hard, smooth cutting surface as cutting mats may cause parts to bend. You may wish to tape over smaller parts to keep them from flying off. Make your cut as close to the piece as possible, and cut completely through the attachment point. Clean up rough edges with a small, flat file or a coarse sanding stick. Parts can be assembled and installed using CA or similar type adhesives (not included) - for custom installations on new or existing structures, some additional modifications may be needed to the parts and/or the building before final assembly.

Used by industries large and small for decades, fixed safety-caged ladders provide convenient access and added protection from falls. In the US, ladders over 20' (6m; standards vary worldwide) require a safety cage mounted 7-8' (2.1 - 2.4m) above the ground, extending to 42" (1.06m) above the structure. Many have been updated with additional safety equipment, and secured with chain link fencing or locked covers to restrict access.

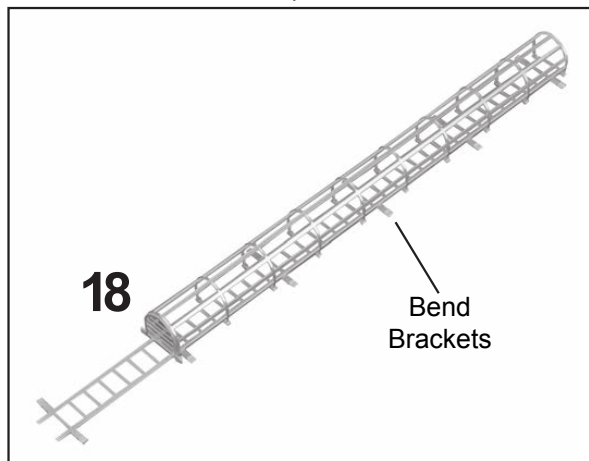
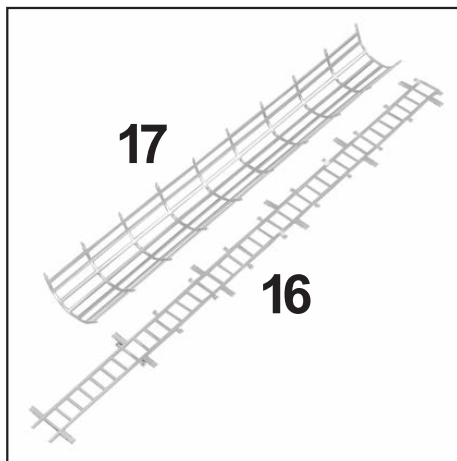
Using a 7/16" (11mm) diameter dowel (not included), lay the Cage (17) along the length of the dowel. Place your fingers gently over the piece and roll it back and forth until it conforms to the size of the dowel. Finish using a 3/8" (9.5mm) diameter dowel (not included) and roll until the piece conforms to the smaller dowel.

Note the larger stand-off brackets on Ladder (16); sandwich the side to be bent between two rigid strips (metal rulers work well), aligned and parallel to the bending tabs on a hard work surface. Make sure the parts are straight, and carefully lift the strip on the work surface upwards until brackets are bent to 90 degrees. Repeat for remaining side.

When satisfied with the fit, align tabs on Cage with round mounting points on edges of Ladder (16) and secure with CA or similar adhesive. If desired, glue Security Gate (18) to bottom of Ladder. Test fit on structure; when satisfied, glue in place using CA or similar adhesive.



Numbers shown on fret correspond to numbers shown in illustrations.



NOTE: Adding these parts may require cutting to fit specific structures and/or filling and redrilling locating holes on the plastic parts.