Expansion splice

INTENDED USE

Splice connector with an expansion zone for attaching long runs of OE / TOE / LOE ladders together. The expansion zone prevents deformation of the ladder as a result of expansion and contraction due to temperature variations. A 100 m long ladder in stainless steel can expand 1.6 mm for each 1°C. A 100 m long ladder in HDG can expand 1.2 mm for each 1°C.

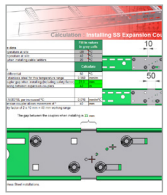
INSTRUCTION FOR USE

Attach the parts together loosely using self locking bolts. Securely attach the bolts on the fixed end with square hole fixings as shown (diagonal fitting). Find the temperature range for expected operation and the temperature when fitting. Use Øglænd calculator to find the maximum distance between expansion splices and distance between the ladders for fitting.

If the calculator is not used, the ”inspection holes” on the expansion splice can serve as a guide: Adjust the ladder to the hole marked with a plus sign in warm weather, or to the hole marked with a minus sign in cold weather, depending on the installation temperature. When set to the recommended distance, half of the inspection hole should be covered by the end of the ladder. The center hole corresponds approximately to a zero-degree installation temperature.

Check that the bolts on the elongated holes are fitted in corresponding holes on the ladder that allow movement in the desired direction and range. High neck bolts are used on sliding end to make sure that the nut does not come in rigid contact with the ladder, allowing the ladder to move. Earth link jumpers must be attached to maintain electrical continuity (see ØI-RD-UG-EN-0004).

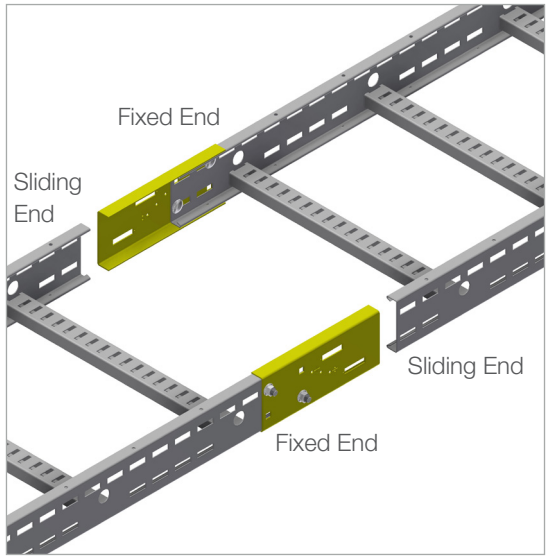
User Guide for Bolts: Recommended Torque.

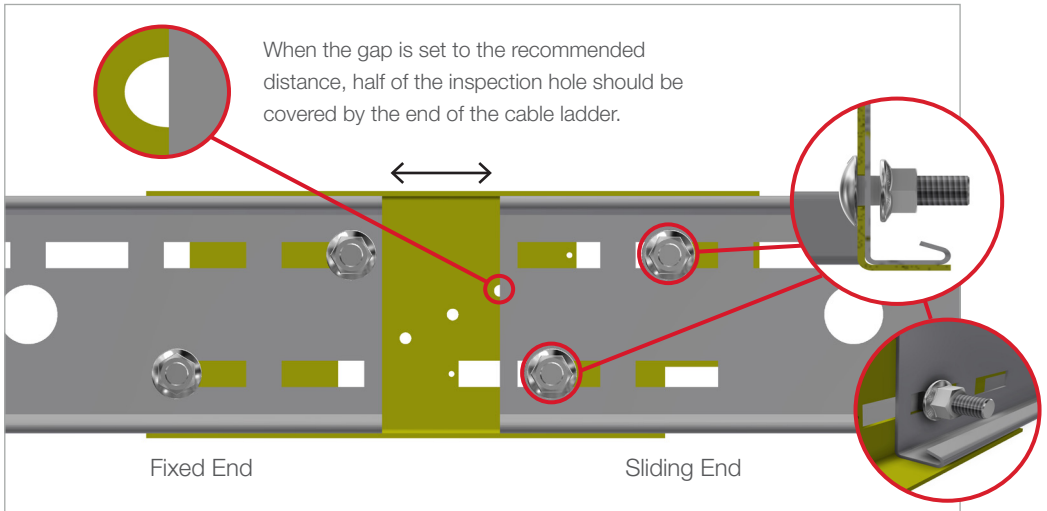


Ask for our Øglænd calculator for splice fitting data.

OE/TOE 100
Inspection window highlighted.

TOE/LOE 55 & 75
Inspection window highlighted.

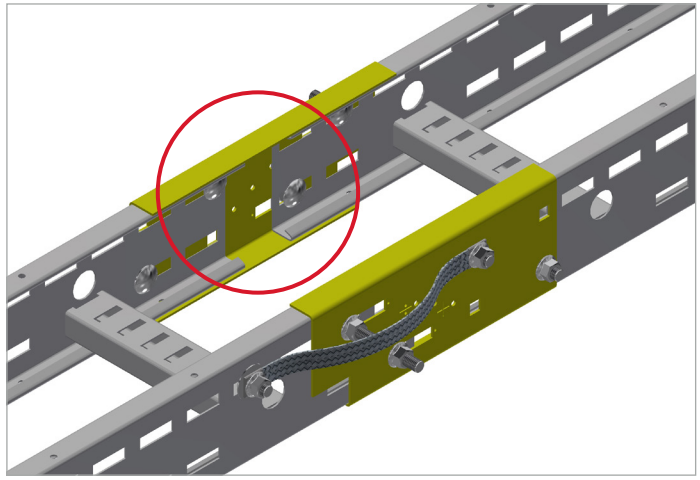




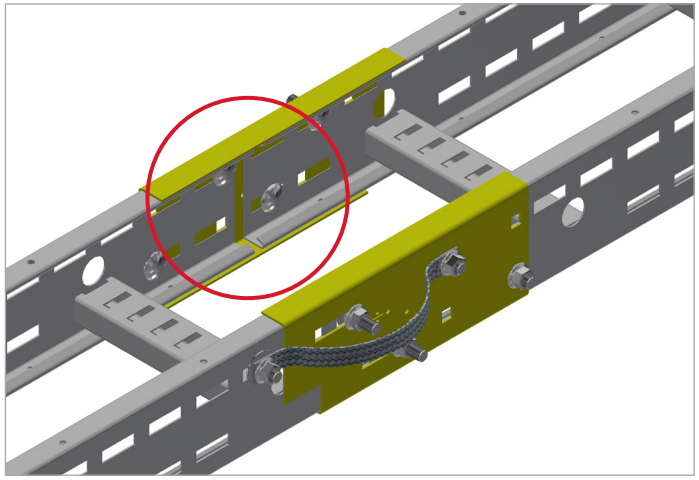
High neck bolts are used on sliding end to make sure that the nut does not come in rigid contact with the ladder, allowing the ladder to move.

TOE / LOE

Example of installation in cold weather.

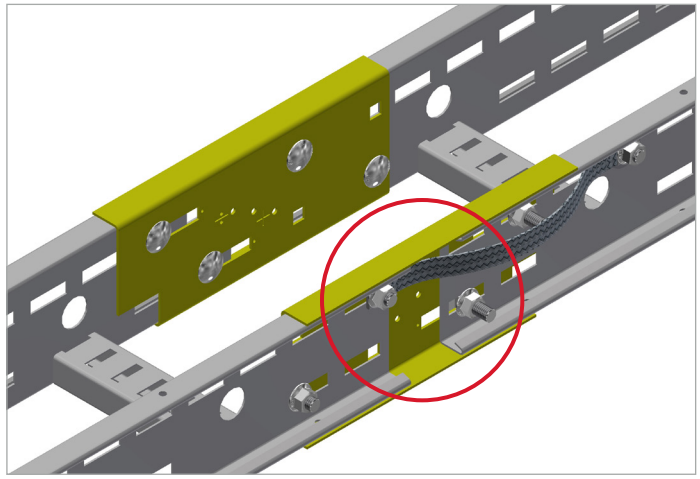


Example of installation in warm weather.



OE

Example of installation in cold weather.



Example of installation in warm weather.