

LENTON[®] LOCK

How can I verify that the splice has been properly installed?

Simply confirm that the bolt heads have sheared off or confirm the bolts have been tightened to the levels provided in the instruction sheet. If concrete cover is a concern, the bolt head may be cut off with a saw or abrasive wheel.

What equipment should I use to install LENTON LOCK couplers?

Impact wrenches and gear-driven torque tools can be used to install LENTON LOCK couplers. While ERICO does not sell impact wrenches or torque tools, we can provide upon request specific regional installation tool information.

IMPORTANT: It should be noted that the advertised maximum torque capacity of an impact wrench does not represent the continuous torque output of a given tool. Properly sized impact wrenches used to install LENTON LOCK couplers should not be selected based on the maximum values. It is common that the continuous torque output of an impact wrench is approximately one-half of the tools' advertised maximum torque value. Using an impact wrench rated for twice the capacity of the bolt will lead to the best installation experience. Additionally, airflow and pressure are critical to the optimum performance of impact wrenches. Care should be taken to ensure that appropriate air pressure (95 psi min.), compressor capacity (cfm), hose diameter and fitting sizes do not impede performance.

EXAMPLE: To install a LENTON LOCK bolt with an average torque value of 250 ft-lb (340 N-m), the bolt installation will require a tool with a 500 ft-lb (680 N-m) working torque rating.

Can I use standard power sockets with an impact wrench?

No. Only impact sockets should be used. Impact sockets are designed to withstand the torque and the force of impact tools. Impact sockets are heat treated to a lesser hardness than power sockets, providing them greater impact resistance. An impact socket is typically black in appearance. Standard power sockets are typically galvanized (bright silver).

Are LENTON LOCK couplers available with corrosion protection?

Yes. In North America, LENTON LOCK can be purchased with epoxy and mechanical galvanized coatings. For more information on these coatings, please contact your local ERICO representative.

Can LENTON LOCK be used to join bars of differing diameters, for example transition to smaller sizes?

Yes! By design, the LENTON LOCK coupler is able to connect the bar size listed (stamped on the coupler), as well as at least one size smaller bar with this same coupler. LENTON LOCK can be used for single-step transitions on ASTM bar and in many cases multi-step transitions on metric rebar. For example, a #8 (25 mm) LL25B1 can be used to transition #8 (25 mm) rebar down to #7 (22 mm) rebar. Some sizes can even accommodate multiple step transitions. See the LENTON LOCK Transition Charts for more information.

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Can LENTON LOCK be used to splice two bars of a smaller size?

Yes! For example, a #8 (25 mm) LL25B1 can be used to splice #7 (22 mm) rebar to another #7 (22 mm) rebar. See the LENTON LOCK Transition Charts for more information.

Can the LENTON LOCK B-Series be substituted for the LENTON LOCK S-Series?

Yes, it can! The longer length B-Series coupler provides for higher performance and can be substituted in place of the S-Series couplers.

Does LENTON LOCK have any code body approvals?

Yes! LENTON LOCK has multiple code approvals worldwide. Please contact ERICO for your specific requirements.

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WARNING

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