



LENTON® LOCK Installation Tool Recommendations - North America

The installation torque values provided in the LENTON LOCK installation instructions is an average torque necessary to shear the bolt heads. Tools of a higher torque value are required to compensate for the quality, age and type of tool and the variables presented by pneumatic systems (pressure/flow/hose diameter and length). When using an impact wrench it is recommended to use a wrench with 2X (200%) the bolt torque rating identified in the installation instructions. When using a continuous torque tool it is recommended to use a wrench with 1.5X (150%) the bolt torque rating.

This tool recommendation list is only a small list of possible suppliers. Other quality tools may be used. Additional tool sizing recommendations can be found in the notes below this chart.

Product Size Range	Brand Name	System Type	Model	Square Drive Size	Weight Lbs. (kg)	Air Consumption cfm (L/min)	Air inlet thread NPT	Reaction Arm**
Impact Wrench								
LL12S1 to LL28S1 #4 to #9	Ingersoll Rand	Pneumatic	261	3/4"	12 (5.4)	10 (283)	3/8"	N/A
LL12B1 to LL28B1 #4 to #9								
LL12S1 to LL36S1 #4 to #11	Ingersoll Rand	Pneumatic	295A	1"	22 (10)	10 (283)	1/2"	N/A
LL12B1 to LL40B1 #4 to #11								
Continuous Torque Tools								
LL12S1 to LL43S1 #4 to #14	Torcup	Pneumatic	Raptor 1000	3/4"	10 (4.5)	40 (1132)	3/8"	RPA-05.10-RARM
LL12B1 to LL57B1 #4 to #18								
LL12S1 to LL57S1 #4 to #18	Torcup	Pneumatic	Raptor 2000	1"	12 (5.4)	40 (1132)	1/2"	RPA-20.30-LARM
LL12B1 to LL57B1 #4 to #18								
LL12S1 to LL43S1 #4 to #14	RAD	Pneumatic	10GX	3/4"	8 (3.6)	30 (850)	1/2"	13367 or 13368
LL12B1 to LL40B1 #4 to #11								
LL12S1 to LL57S1 #4 to #18	RAD	Pneumatic	25GX	1"	13.5 (6.1)	30 (850)	1/2"	10515 or 10516
LL12B1 to LL57B1 #4 to #18								
LL12S1 to LL43S1 #4 to #14	RAD	110V Electric	V-RAD 10	3/4"	11 (5)	N/A	N/A	13367 or 13368
LL12B1 to LL40B1 #4 to #11								
LL12S1 to LL57S1 #4 to #18	RAD	110V Electric	V-RAD 16	1"	15 (6.8)	N/A	N/A	10007 or 10009
LL12B1 to LL57B1 #4 to #18								

Notes:

Check the recommended tool air pressure, hose size and air flow requirements prior to installation.

Refer to individual manufacturer's manual for proper tool operation and safety.

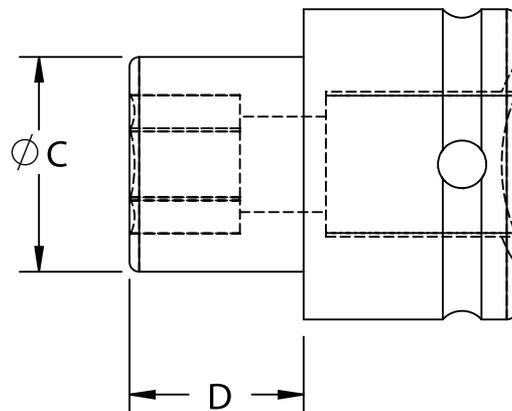
Refer to complete installation instructions provided with the product or available at www.erico.com prior to commencing installation.

** For continuous torque tools a reaction arm attachment is required to prevent the tool from rotating during installation.

LENTON LOCK couplers are heat treated providing for an extremely strong rebar coupler. This coupler strength allows the bolts to be a higher torque value, thus reducing the number of bolts and size of the coupler. 6-Point impact grade sockets are recommended for the installation of the LENTON LOCK couplers. Impact sockets have the ability to withstand high torque values and the forces created by impact tools. Standard sockets should not be used.

For 3/4" square drive and larger impact sockets, use a retaining ring to secure the socket to your power tool or impact wrench. Due to the spacing between the bolts, care must be taken when choosing an impact socket. Ensure the socket meets the maximum "C" and minimum "D" dimensions for ease of installation.

Product Size Range	Socket Size inch (mm)	Ø C Maximum Diameter inch (mm)	D Minimum Length inch (mm)
LL12S1 to LL20S1 #4 to #6	1/2" (13)	0.95 (24.1)	0.600 (15.2)
LL12B1 to LL20B1 #4 to #6			
LL22S1 to LL28S1 #7 to #9	5/8" (16)	1.13 (28.6)	0.900 (22.9)
LL22B1 to LL28B1 #7 to #9			
LL32S1 to LL43S1 #10 to #14	13/16" (21)	1.60 (40.6)	0.850 (21.6)
LL32B1 to LL40B1 #10 to #11			
LL57S1 #18	1" (25)	1.60 (40.6)	0.750 (19.0)
LL43B1 to LL57B1 #14 to #18			



WARNING
 ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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