

Portable Load Break Tool



LBT1427C & LBT2538C

Made in USA

Features & Benefits

Easy reset handle compatible with insulated gloves
 Full operational ratings
 No exposed springs to pinch linemen's gloves
 Unique serial number
 Every Loadbreak tools comes with a counter
 Counter keeps track of each use to insure maintenance

The Portable Loadbreak tool was designed with the lineman in mind. It is made for use by all types of electrical utilities and contractors. It is helpful in operation of disconnects, load break switches, capacitor banks, fuse limiters, power fuses, and cutouts. It is simple to use and allows for exceptional control to reduce operator fatigue. The Load Break Tool is equipped with a reset handle, which allows full tool reset without glove removal. It will help to cut installation and operation costs and will eliminate the need of load interrupters on each device. The procedures for switching are designed to reduce complications and to minimize the duration and scope of outages.

The Load Break Tools comply with OSHA 29 CFR Part 1910.269 (published JAN 1994) – “Devices used to open circuits under load Conditions shall be designed to interrupt the current involved”.

The Load Break Tool is available in two models/two ratings:

- LBT1427C Voltage Nominal 14.4 / 25 kV - Maximum 27kV
Amperage Nominal 600A - Maximum 900A
- LBT2538C Voltage Nominal 25 / 34.5 kV - Maximum 38kV
Amperage Nominal 600A - Maximum 900A

- **Transformer switching**—transformer load currents up through 600 amperes nominal, 900 amperes maximum, as well as transformer magnetizing currents associated with the applicable loads.
- **Line switching**—load splitting (parallel or loop switching) and load dropping of currents up through 600 amperes nominal, 900 amperes maximum; also line dropping (charging currents typical for distribution systems of these voltage ratings).
- **Cable switching**—load splitting (parallel or loop switching) and load dropping of currents up through 600 amperes nominal, 900 amperes maximum; also cable dropping (charging currents typical for distribution systems of these voltage ratings).
- **Capacitor bank switching**—switching of single capacitor banks as follows:

Catalog Number	Nominal System Voltage, kV, Three-Phase	Maximum Capacitor Bank Rating, kVAC, Three Phase		
		Solidly or Effectively Grounded System		Ungrounded System
		Single * Banks, Grounded-Wye Connected	Single * Banks, Ungrounded-Wye Connected	Single * Banks, Grounded- or Ungrounded-Wye Connected
LBT1427C	12 thru 14.4	1800	1800	1800
	16	2400	2400	2400
	20.8 thru 23.9	3000	#	#
	24.9 and 26	3600	#	#
LBT2538C	20.8 thru 23.9	3000	3000	3000
	24.9 and 26	3600	3600	3600
	27.6	3600	3600	3600
	34.5	4800	#	#

* Tools must not be used for switching parallel (“back-to-back”) capacitor banks.

Tools must not be used for switching ungrounded-wye connected banks or grounded-wye connected banks on ungrounded systems where maximum system operating voltage exceeds 18 kV for Catalog Number LBT1427C; or 29 kV for Catalog Number LBT2538C.

Note on Single-Pole Switching

In single-pole switching of ungrounded-primary three-phase transformers or banks (or single-phase transformers connected line-to-line), circuit connections or parameters may, in some cases, produce excessive over voltages. In particular, for the following applications above 22 kV, single-pole switching by any means—including The Load Break Tool should be performed only under the conditions stated in italics:

- Switching unloaded or lightly loaded delta-connected or ungrounded-primary wye-wye connected three-phase transformers or banks (or line-to-line connected single-phase transformers), rated 150 kVA or less three-phase, or 50 kVA or less single phase or of any kVA rating when combined with unloaded cables or lines—where maximum system operating voltage exceeds 22 kV.

Single-pole switching should be performed only if each phase is carrying 5% load or more, or if the transformer or bank is temporarily grounded at the primary neutral during switching.

- Switching loaded or unloaded ungrounded-primary wye-delta connected three-phase transformers or banks—alone or combined with unloaded cables or lines where maximum system operating voltage exceeds 22 kV.

Single-pole switching should be performed only if each phase is carrying 5% load or more and if the lighting-load phase is always switched open first (or switched closed last); or if the transformer or bank is temporarily grounded at the primary neutral during switching.

The Load Break Tool carries a full (1) one year warranty on workmanship, parts and labor against normal wear and tear from the original date of purchase. The tool is NOT warranted against misuse or misapplication.