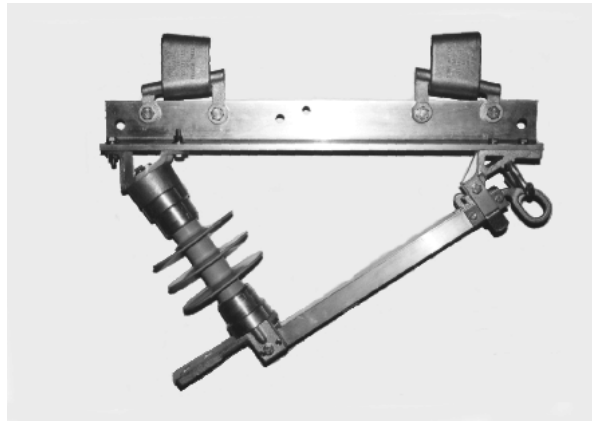


ULTRA-LIGHT LINE TAP SWITCH



APPLICATION

The Firon Line Tap Switch is ideal for applications where space constraints make the mounting of a conventional disconnect switch difficult. This line tap switch can be used as a simple tap off a line, when mounted to the line with optional conducting stirrups, fixed by wedge connectors. This system provides a conductive path along with the support for the switch.

The switch can also be mounted directly to the line with line clamps and in conjunction with a strain clamp and a strain insulator to provide a tap at a dead end. This is particularly useful and cost effective where lines are dead ended and the line must be taped off to underground lines

When equipped with Loadbuster™ hooks and in conjunction with a Loadbuster™, the switch may be used for load interrupting or breaking transformer-magnetizing, line and cable-charging currents.

Other installation configurations are shown in the following illustrations.

CONSTRUCTION

The Firon Line Tap Switch is hookstick operated. Equipped with a Silicone post style insulator mounted on an aluminum angle base, it is an extremely light and robust switch with superior insulator qualities.

The current carrying components are the same as those utilized in the In-line (TW).

With a tested momentary of 40kA RMS (asymmetrical) and a current rating of 600 amps continuous, the switch is available from 15 thru 34kV. The aluminum base also provides a current path, when required by the application.

The standard blade opening is 180 degrees; if a 90 deg. opening is required, it should be indicated at time of ordering.

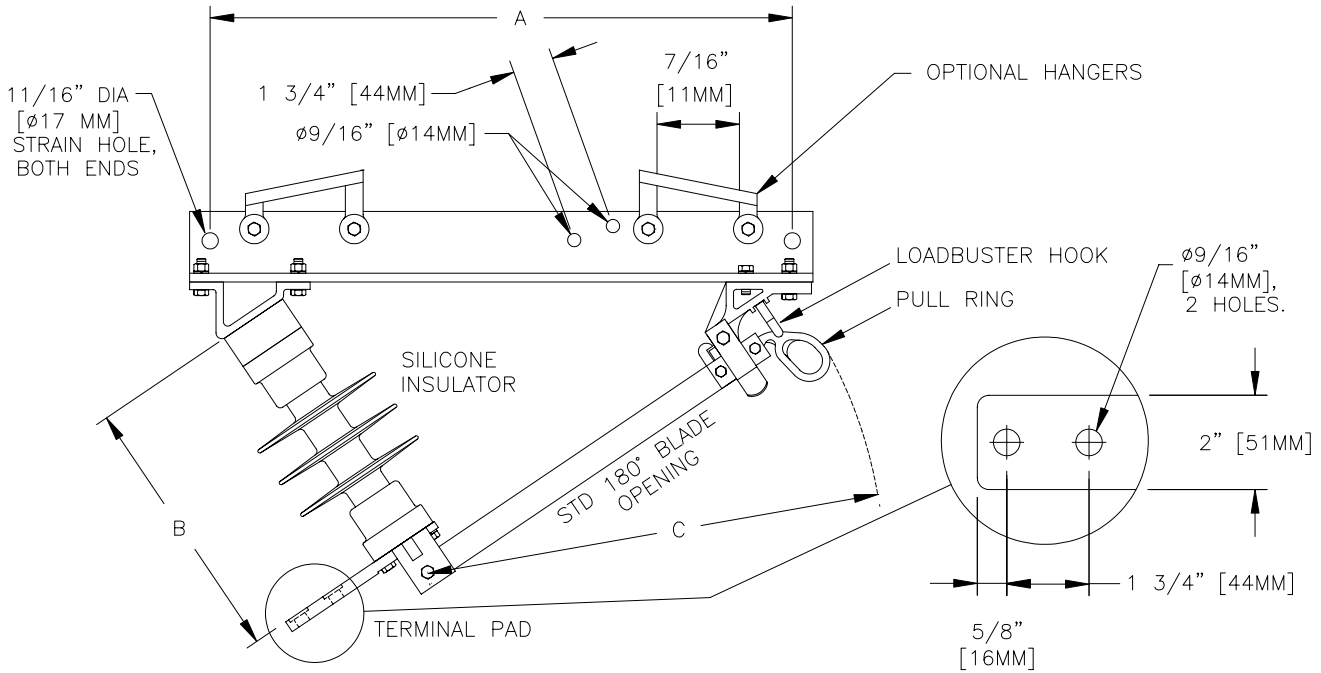
The optional stirrups are either ½ inch or ¾ inch diameter to provide for a range of wedge clamp connectors.

Terminal pads are standard Nema drilled with 9/16" diameter on 1-3/4" centers.

Loadbuster™ hooks are fitted on the jaw of each blade assembly.

The base is constructed from an aluminum angle and drilled to provide all the mounting and termination options shown in the illustrations.

ULTRA-LIGHT LINE TAP SWITCH



LINE TAP SWITCH SPECIFICATIONS

CATALOG NUMBER	RATED VOLTAGE	CURRENT		NOMINAL BIL	FLASHOVER 60 HZ		LEAKAGE DISTANCE		DRY ARC DISTANCE	
		RATED	MOM		DRY	WET	IN.	MM.	IN.	MM.
LTS156S	15kV	600 A	40,000 A	110 kV	130kV	40kV	10.8	274	5.7	145
LTS256S	25kV	600 A	40,000 A	125 kV	160kV	65kV	16.7	424	7.3	185
LTS286S	28kV	600 A	40,000 A	150 kV	160kV	65kV	16.7	424	7.3	185
LTS346S	34kV	600 A	40,000 A	175 kV	195kV	85kV	26.0	660	10.6	270

DIMENSIONS AND WEIGHTS

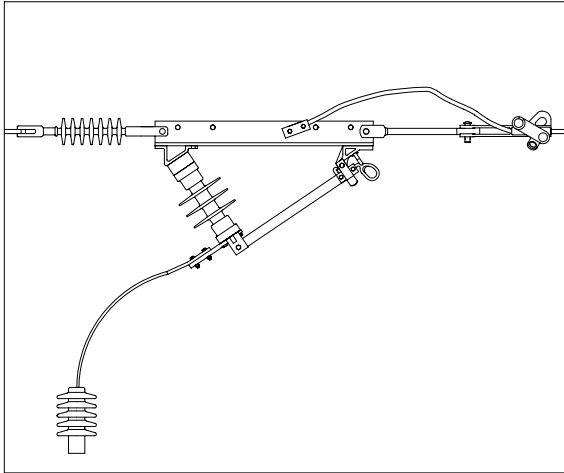
CATALOG NUMBER	A		B		C		WEIGHT	
	IN.	MM.	IN.	MM.	IN.	MM.	LB	KG
LTS156S	18 1/2	470	7 7/8	200	11 7/8	302	17.5	7.9
LTS256S	22 1/4	565	10	254	15	381	18.0	8.1
LTS286S	24 7/8	632	11 3/8	289	17 1/8	435	18.5	8.4
LTS346S	29 3/8	746	14	356	21	533	20.0	9.0

OPTIONS:

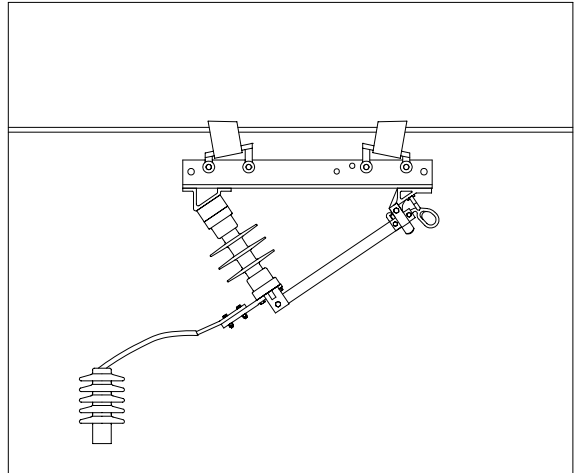
- FOR ONE SET OF SWITCH TERMINAL CONNECTOR, (CATALOG NUMBER 9920), ADD SUFFIX "C" TO THE CATALOG NUMBER. i.e. LTS156SC
- FOR ONE SET OF 1/2" DIA (4/0 EQUIV.) OR 3/4" DIA (477 MCM EQUIV.) HANGERS. ADD SUFFIX "1/2H" OR "3/4H" TO THE CATALOG NUMBER. i.e. LTS156S1/2H OR LTS156S3/4H.
- FOR A HIGHLY CORROSIVE ATMOSPHERE, CURRENT CARRYING COMPONENTS CAN BE NICKEL PLATED. ADD THE SUFFIX "NP" TO THE CATALOG NUMBER. i.e. LTS156SNP.
- FOR PORCELAIN INSULATORS, REPLACE THE CHARACTER "S" IN THE CATALOG NUMBER WITH "P". i.e. LTS156P.
- 180° BLADE OPENING IS STANDARD, FOR A 90° BLADE OPENING, ADD THE SUFFIX "90" TO THE CATALOG NUMBER. i.e. LTS156S-90.

ULTRA-LIGHT LINE TAP SWITCH

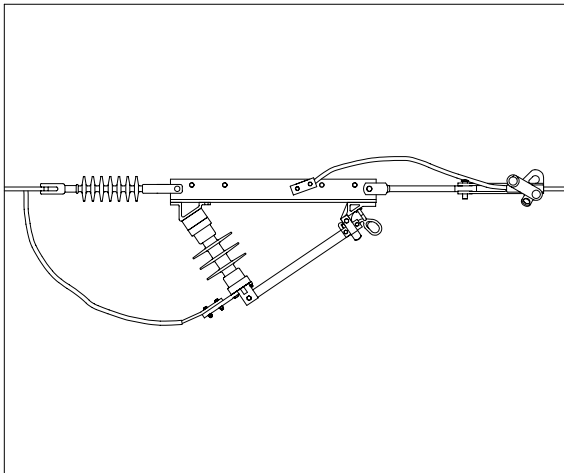
TYPICAL SWITCH APPLICATIONS



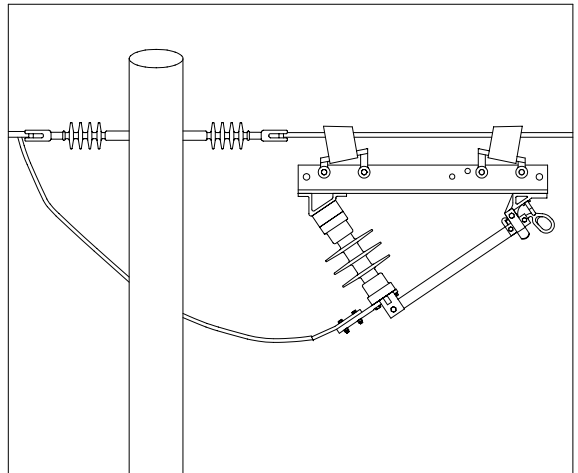
SHOWN IS A SWITCH CONNECTED TO A CONDUCTIVE BASE AND DEAD ENDED TO A POLE.



SHOWN IS A SWITCH CONNECTED TO AN OVERHEAD CONDUCTOR WITH WEDGE CONNECTORS.



SHOWN IS A SWITCH CONNECTED TO A CONDUCTIVE BASE FOR IN-LINE DISCONNECTING.



SHOWN IS A SWITCH CONNECTED TO AN OVERHEAD CONDUCTOR WITH WEDGE CONNECTORS FOR IN-LINE DISCONNECTING.