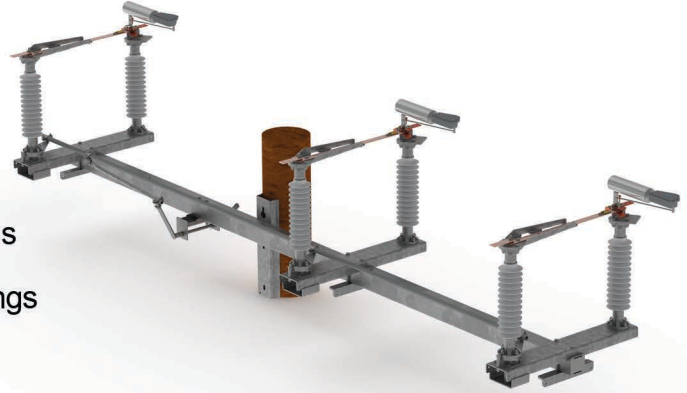


## 46 kV – 69 kV Transmission Sidebreak Switches

- Unitized Construction: Steel or Fiberglass Crossarms
- Factory Adjusted, Ready to Mount
- Reverse Loop, Silver Plated Copper Jaw Contacts
- Tinned Copper Two-hole and Four-hole Terminal Pads
- Maintenance-free, Sealed, Stainless Steel Ball Bearings
- All Ferrous Components Are Hot Dip Galvanized
- Meets or Exceeds All Applicable NEMA, IEEE, ANSI, and IEC Standards



The LineBOSS™ 48 kV – 72.5 kV sidebreak switches are the lowest “cost to own” switches available today. The actual configuration is delivered fully unitized and modularized for fast, simple and easy field installation. INERTIA switches are hung on the pole in hours, not days. Unbalanced conductor load or seasonal temperature changes can create line sag leading to contact misalignment on other style switches; this maintenance headache is eliminated by the LineBOSS™ sidebreak switch. INERTIA’s LineBOSS™ sidebreak switches low maintenance design ensures reliable performance for years to come.

 **ArmorGalv®** coated ferrous components available for increased corrosion resistance.

### Specifications:

**Voltage Class:** 46 kV (48 kV Max.)  
69 kV (72.5 kV Max.)

**Continuous Current Class:** 600, 900, 1200 Amps

**Momentary Current:** 600 A: 40,000 A rms, 10 cycles  
25,000 A rms, 3 seconds

900 A: 51,000 A rms, 10 cycles  
32,000 A rms, 3 seconds

1200 A: 70,000 A rms, 10 cycles  
44,000 A rms, 3 seconds

### Configurations:

Horizontal Upright  
Horizontal Center Mount  
Vertical Phase over Phase  
Riser Switch  
In-Line Tap  
Tap switch 1,2,3, 4 way  
Triangle  
Horizontal Pole Top  
Vertical Twin Circuit  
Delta (1L, 2R)  
Vertical Tiered Outboard  
Tiered Outboard  
Avian/Wildlife Protection

### Options:

**Insulator Type:**  
Silicone or Porcelain

**Control Options:**  
Reciprocating  
Torsional

**Motorized Control:**  
MSO, MSO-SEL

**Loadbreak Device:**  
ArcHorn  
ArcWhip™  
High Speed Break, HSB  
High Speed Sectionalizer  
Vacuum Interrupter V, V2, & V3

**To order or request additional product information please contact us at: 800-791-9997 or sales@inertiaworks.com**

## 46 kV – 69 kV Transmission Sidebreak Switches Selection Guide:

### LineBOSS™ Unitized Sidebreak Switch

ARMORGALV® = LT

# → L 6 1 S V 3 S C 1 1 3 3

**Voltage Class:** 48.0 kV (250 kV BIL) = 4  
72.5 kV (350 kV BIL) = 6

**Current Rating:** 600 A = 6  
900 A<sup>1</sup> = 6  
900 A<sup>2</sup> = 9  
1200 A<sup>3</sup> = 1

**Insulator Type:**  
Polymeric Silicone<sup>4</sup> = S  
Porcelain<sup>4</sup> = P

For increase insulator creepage:  
Add "1" for +1 voltage class

**Interrupter Type:**  
ArcHorn = A  
ArcWhip, Quick-break = Q  
High Speed Whip = SH  
Sectionalizer = SV  
Vacuum: 15.5 - 38.0 kV = V  
48 kV = V4  
72.5 kV = V7  
No Interrupter = X

**Crossarm Type:**  
Galv. Steel = S  
No Xarm = X  
Customer specified loading (call factory).

**Mounting Configuration:**  
Vertical (Tiered Outboard) = B  
Horizontal Center Mount = C  
Delta (Pole Top) = D  
Horizontal Upright = H  
Vertical (Inline) = L  
Riser = R  
Twin Circuit = T  
Underarm Horizontal<sup>5</sup> = U  
Vertical (Phase over Phase) = V  
Tap Switch<sup>7</sup>: 1-way = 1W  
2-way = 2W  
3-way = 3W

Add "S" for Substation (H-Frame)<sup>6</sup> See Substation/H-Frame Chart.

### Control Rod Length:

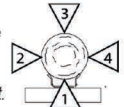
30 feet (standard) = 3  
Specify (10' Sections) = \_\_\_  
See Options Chart For Insulated Section.

### Control Rod Type:

Reciprocating (⇄) = 1  
1 3/4" square fiberglass = 1  
1" galvanized pipe = 4  
Torsional (↻) = 6  
1 1/2" galvanized pipe = 6

### Control Location:

Specify the quadrant by number, where the control is to be located.  
See Control Options Chart.



### Control Mechanism:

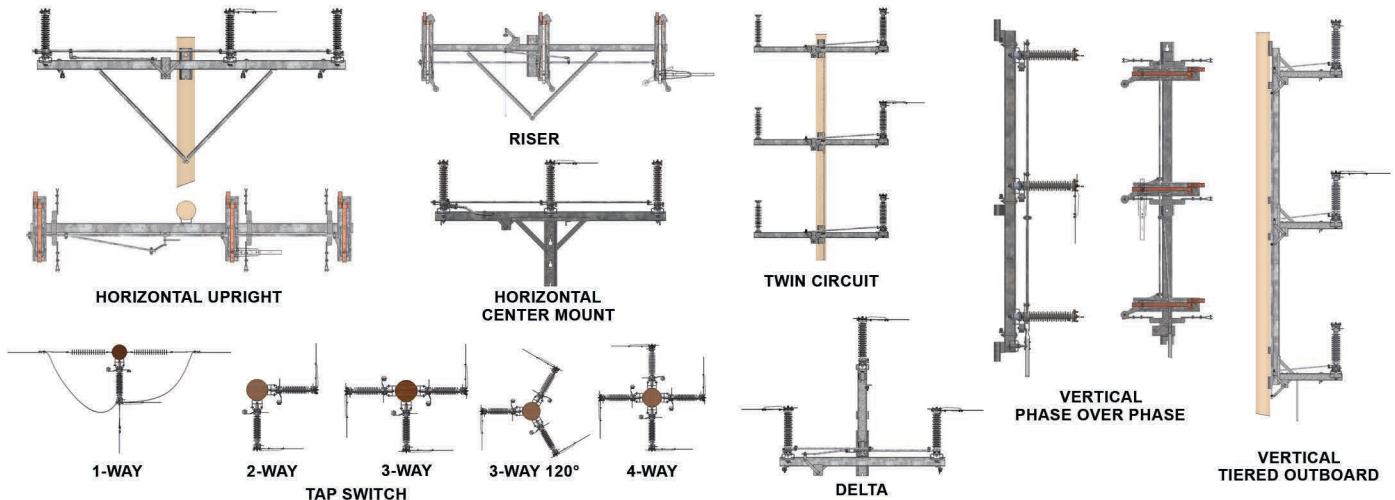
Reciprocating handle (⇄) = 1  
Torsional handle (↻) = 2  
Motorized Operator = M

<sup>1</sup> 900 A (Temp Rise: 30°C Momentary: 40 kA)  
<sup>2</sup> 900 A (Temp Rise: 30°C Momentary: 51 kA ANSI)  
<sup>3</sup> 1600 A (IEEE1247 Temp. Rise)  
<sup>4</sup> Voltage Class: 48.0 kV = 3.0" BC, 72.5 kV = 5.0" BC  
<sup>5</sup> Substation Config. available only in: "CS", "HS", "RS", "US"  
<sup>6</sup> Avian Protection  
<sup>7</sup> Consult Factory for Unitized Switch.

\*Note: Not all configurations are possible. Some design limitations may apply. Torsional control mechanisms are not available in all configurations. Please contact us to see if your specific design configuration(s) is available.

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## Standard Configurations:



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