



Silicone 2.0 Lightweight Insulator

Standard Series 70kN and XL Series 70+kN

Dead-end/Suspension

CAN_CSA-C411.5-10 & ANSI C29.13-2000 Class

Polymer Insulators for Distribution Power lines

15kV to 69kV Applications



 **Ligh+weight**
lightweightinsulators.com



KASA with  **ArmorGalv**

TDG Option : 3000hr Salt Fog Tested



Winner of EPA'S (NPPR) MVP2 Award
(Most Valuable Pollution Prevention)

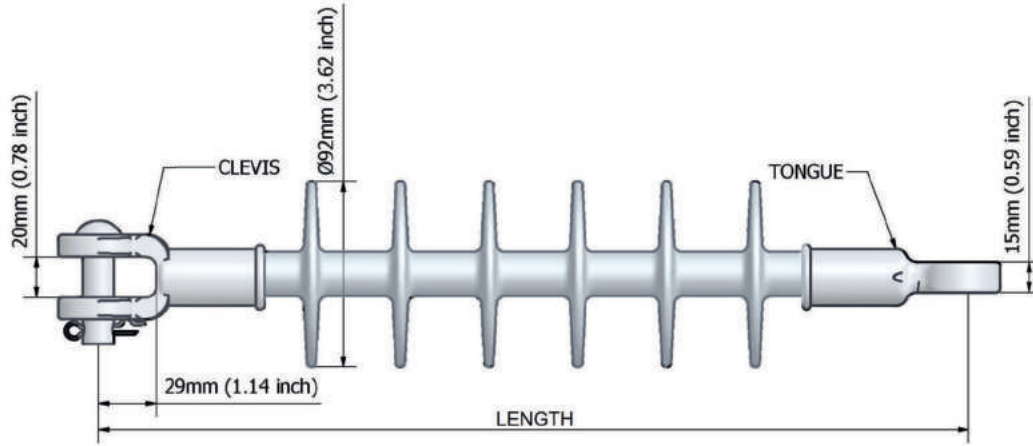
- Outstanding durability and superior service life trims total cost of ownership
- Precision engineered to reduce transport, stocking and installation expenses
- Proven performance with over two million lightweight insulators field tested in 19 countries



Since 1898



DEAD-END / SUSPENSION COMPOSITE INSULATOR



Certified test reports meets and exceeds Mechanical and Electrical ratings of CAN_CSA-C411.5-10 & ANSI C29.13-2000

	Unit	DS15	DS28	DS35
DIMENSIONS				
Sectional Length	mm (")	330 (12.99)	430 (16.93)	485 (19.08)
Minimum Leakage Distance	mm (")	400 (15.75)	600 (23.62)	730 (28.74)
Minimum Arcing Distance	mm (")	210 (8.26)	280 (11.02)	350 (13.78)
ELECTRICAL RATINGS				
Low-Frequency } Dry	kV(rms)	90	125	145
Flashover } Wet	kV(rms)	65	100	130
Positive Critical Impulse Flashover	kV(peak)	140	200	260
Radio-Influence Voltage				
Minimum Test Voltage	kV rms	10	20	25
Maximum Radio Influence Voltage at 1000 kHz	µV	<5	<5	<10
MECHANICAL RATINGS				
Minimum SML	kN (lb)	70 (15,737)	70 (15,737)	70 (15,737)
Minimum Torsional Load	N-m (ft-lb)	50 (37)	50 (37)	50 (37)
Net Weight (Approximate)	kg (lb)	1 (2.2)	1.1 (2.4)	1.2 (2.6)
XL SERIES END FITTING OPTIONS				
	Material	Part Number	Part Number	Part Number
CLEVIS & TONGUE	Forged Steel	ASA15CTSCA	ASA28CTSCA	ASA35CTSCA
BALL & SOCKET	Forged Steel	ASA15SBSCA	ASA28SBSCA	ASA35SBSCA
EYE & EYE	Forged Steel	ASA15EESCA	ASA28EESCA	ASA35EESCA
Y (WYE) & EYE	Forged Steel	ASA15YESCA	ASA28YESCA	ASA35YESA
Standard Package (Nos)		16	16	16

- SML (Specified Mechanical Load) - SML in Lightweight insulator were subject to a tensile load that is increased rapidly but smoothly from zero to 75% of 70 kN and then gradually to 70 kN over a period of 30 to 90 secs.
- RTL (Routine Test Load) - 50% of SML required.
- XL Series Lightweight insulator comes with galvanized forged corrosion resistance option 3000 hour salt fog tested steel fittings (compliant to CAN/CSA G164) that are rated for SML 70 kN+ depending on the type of end fitting combination, Split pin is made from Stainless Steel; Aluminum end fittings are available upon request.
- 46kV & 69kV Voltage Classes are available upon request.
- Key to part number in ASAXXXXXCA; "C" stands for CAN/CSA & "A" stands for ANSI.

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The information in this document contains general descriptions of the technical options available, which may not apply in all cases. The required technical options should therefore be specified in the contract. ASAsoft may make any adjustments to the information contained herein due to our continuous improvement policy.

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