



HIGH VOLTAGE SWITCHGEAR & AUTOMATION EQUIPMENT

SECTION 6Brackets, Mounts & Misc. Hardware

CAT. NO: 040930G May, 2008



INERTIA Engineering & Machine Works, INC. 6665 Hardaway Road, Stockton, CA 95215



Fax: (209) 931-8186 e-mail: sales@inertiaworks.com

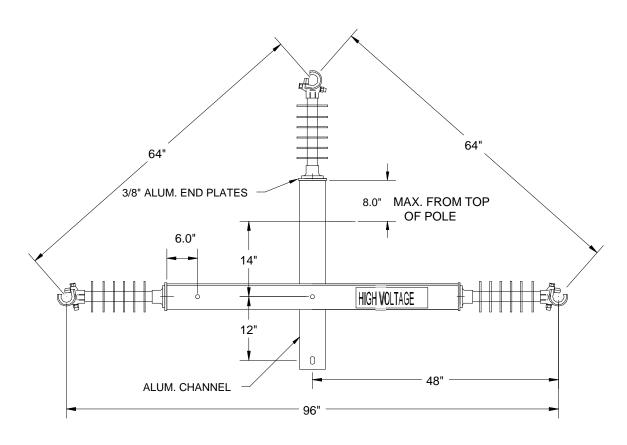


(800) 791-9997

BRACKETS, MOUNTS & HARDWARE

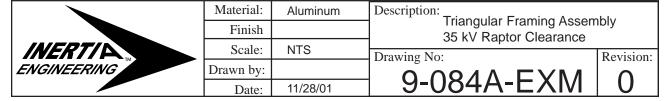
	Insulator Brackets for Overhead Lines	6.10-6.16
•	Vault Brackets and Junction Cabinets	6.30-6.33
	Substation Flexible Jumpers	6.50-6.51
•	Miscellaneous Hardware	6.70-6.73
	Self-Design Worksheet	Last nand

Tri-Frame brackets reduce installation time and crossarm replacement. They are available in 15 kV - 69 kV versions with either standard clearances or raptor protection clearances. They are available either with or without insulators.

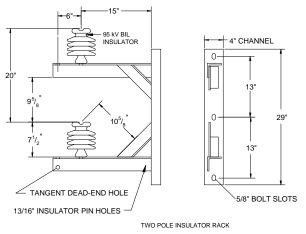


3/4"X 1-3/4" GRADE 5 HEX BOLTS AND LOCK WASHERS SUPPLIED WITH 34.5 KV TINNED UNIVERSAL CLAMP TYPE SILICONE INSULATORS.

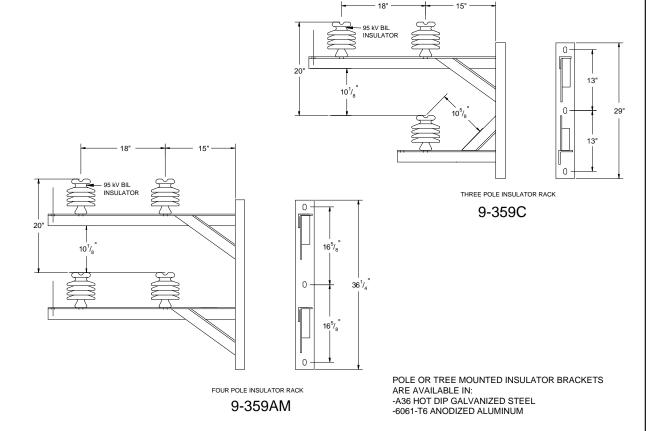
TORQUE INSULATOR MOUNTING BOLTS TO 65-75 FT. LBS.

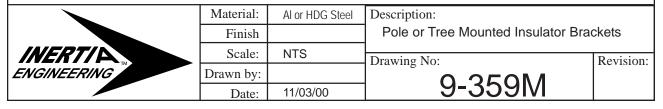


Special application insulator mounting brackets. Lightweight, durable; available with or without insulators.

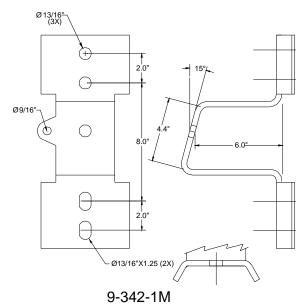


9-359BM





Order 10 or 10,000 custom standoff brackets, built to your specifications



Ø 13/16" (2X)

15°

8.0"

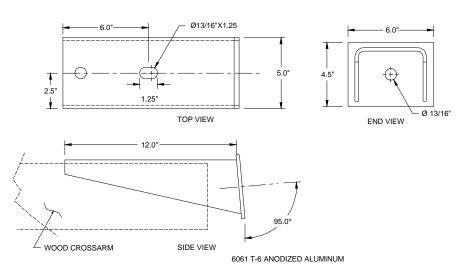
8.0"

Ø 13/16" X 1.25" SLOT

6" Offset, Line Post Mounting Bracket with 9/16"Arrestor Mounting Hole 5/16" Hot Rolled Steel Hot Dipped Galvanized

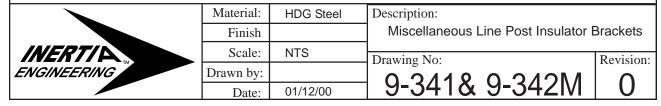
9-342-2M

6" Offset, Line Post Mounting Bracket 5/16" Hot Rolled Steel Hot Dipped Galvanized

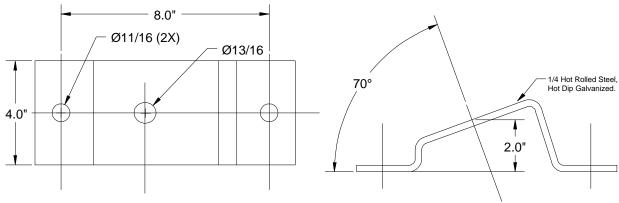


9-341M

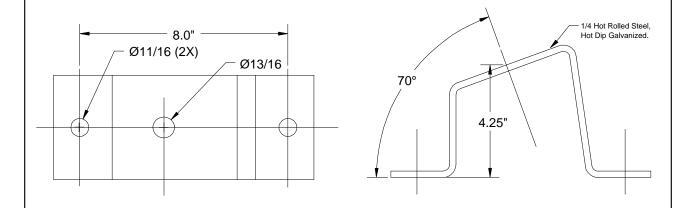
Horizontal Insulator Crossarm Mounting Bracket



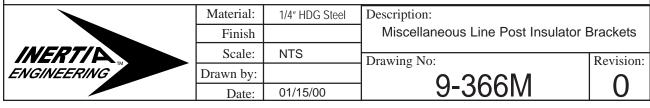
Order 10 or 10,000 custom standoff brackets, built to your specifications



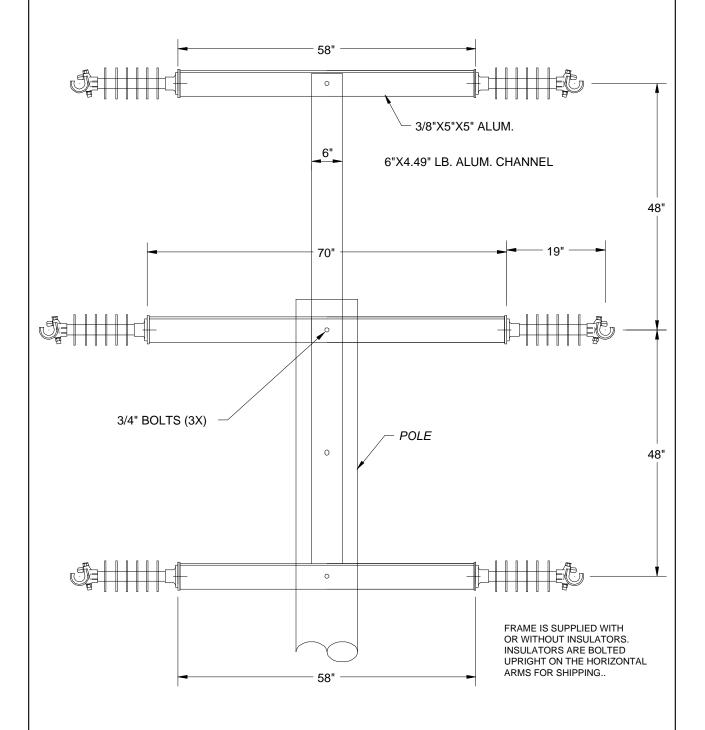
2.0" X 20° X 8.0" MOUNTING INSULATOR STANDOFF BRACKET 5,000 LB. VERTICAL LOAD 9-366-1M



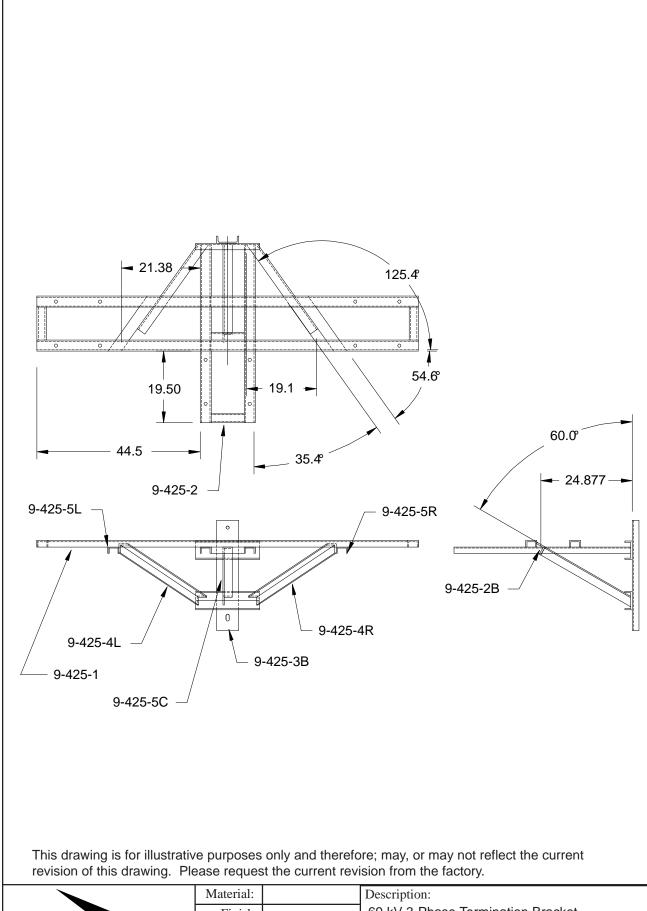
4.25" X 20° X 8.0" MOUNTING INSULATOR STANDOFF BRACKET 2,000 LB. VERTICAL LOAD 9-366-2M



Twin circuit insulator brackets reduce installation time and crossarm replacement. They are available in 15 kV - 69 kV versions with either standard clearances or raptor protection clearances. They are available either with or without insulators.



	Material:	6061-T6 AI	Description:	
	Finish		Twin Circuit, 34.5 kV Pole Top Insulat	or Frame
INERT/A	Scale:	NTS	Drawing No:	Revision:
ENGINEERING	Drawn by:		9-39411	\ \rightarrow \land \rightarrow \rightarro
	Date:	01/25/00	9-394101	U



Material:

Finish

Scale: NTS

Drawn by:

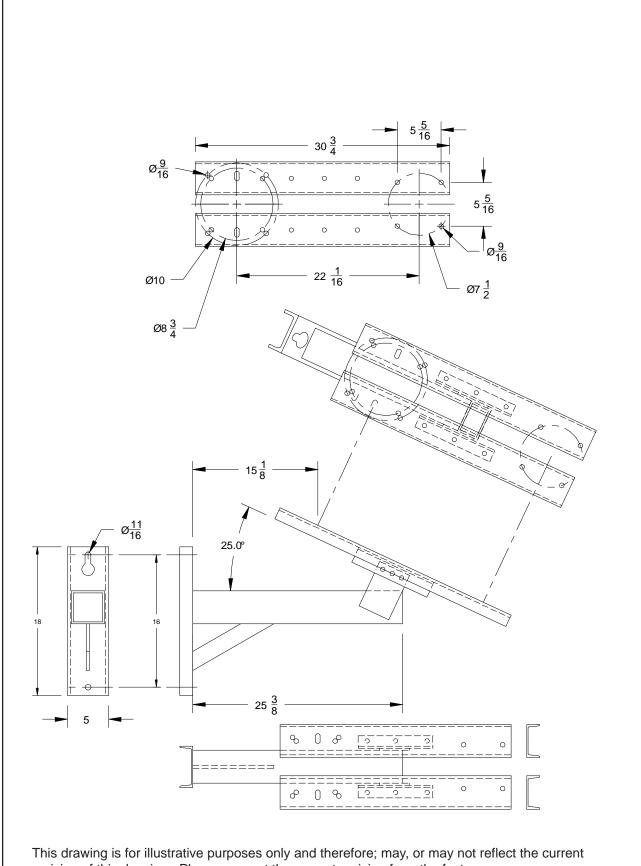
Date: 04/10/03

Description:
69 kV 3-Phase Termination Bracket

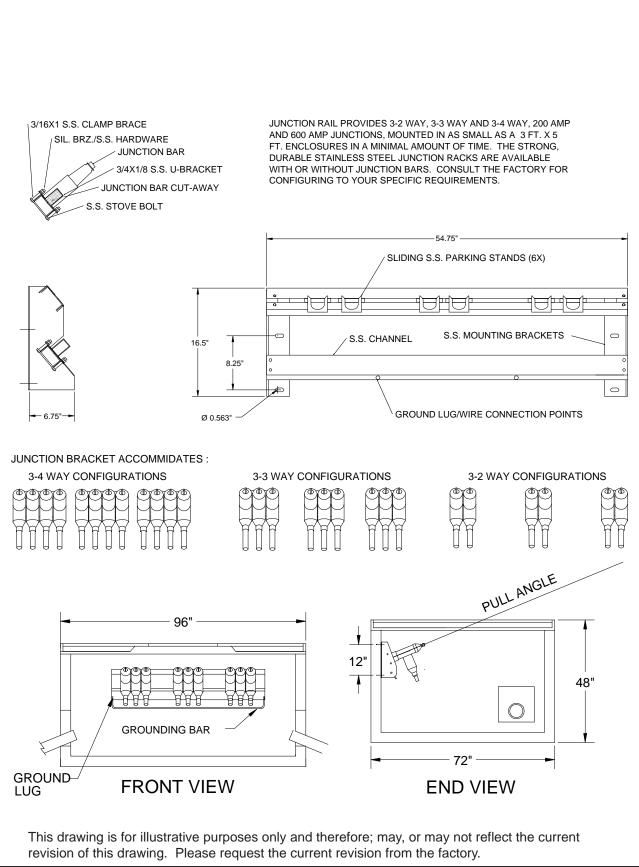
Drawing No:

P-425M

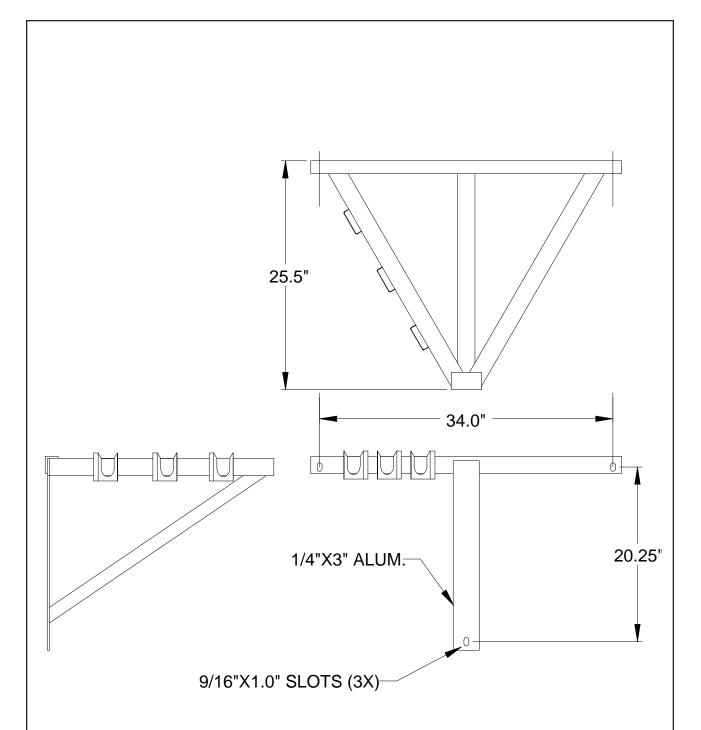
Revision:
0



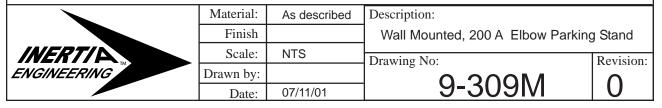
	Material:	6061-T6 AI	Description:	
	Finish		Termination Bracket, 69 kV Single Phase	
INERT/A	Scale:	NTS	Drawing No: Revision	
ENGINEERING	Drawn by:			\ \rightarrow \land \rightarrow \rightarro
	Date:	10/21/02	9-420AM	U

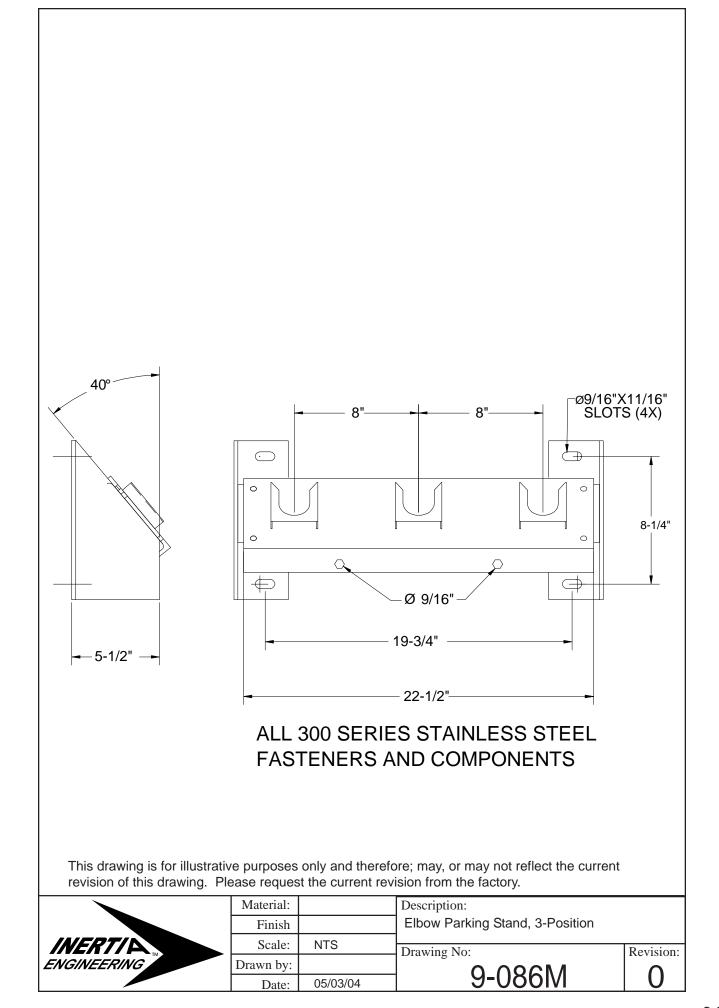


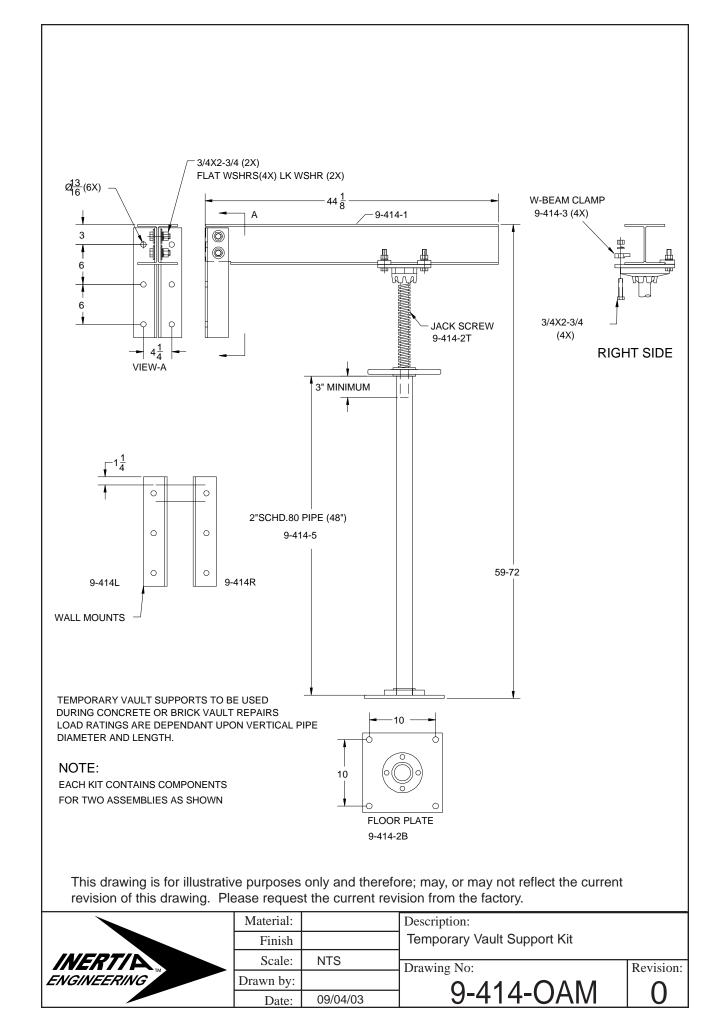
	Material:	Stainless Steel	Description: Vault Rack/Junction Bar Assem	
	Finish		200 A & 600 A	SSEITIDHES
INERTIA	Scale:	NTS	Drawing No:	Revision:
ENGINEERING	Drawn by:			\(\rightarrow\)
	Date:	11/28/01	9-085M	U



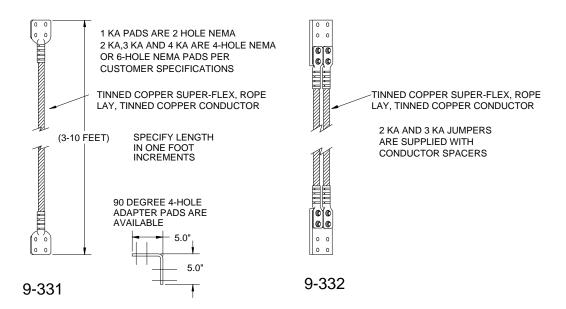
MATERIAL: 6061 ALUMINUM FRAME 304 STAINLESS LOADBREAK ELBOW PARKING STANDS STAINLESS STEEL FASTENERS



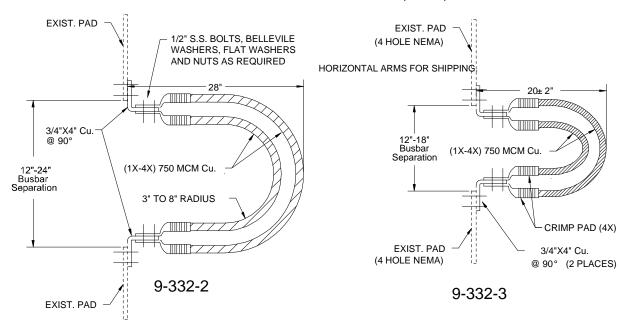




Eliminate bushing fatigue and failures caused by rigid conductors or corroded, once flexible, conductors with custom super-flexible jumpers. Use our stainless steel shear-nuts with the jumpers to make repeatable and reliable electrical connections to electrical equipment.

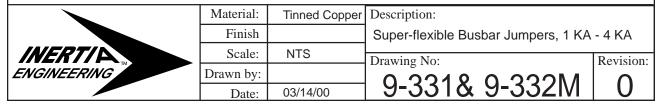


SHORT SPAN FLEX BRAID JUMPERS: 1 KA, 2 KA, 3 KA AND 4 KA

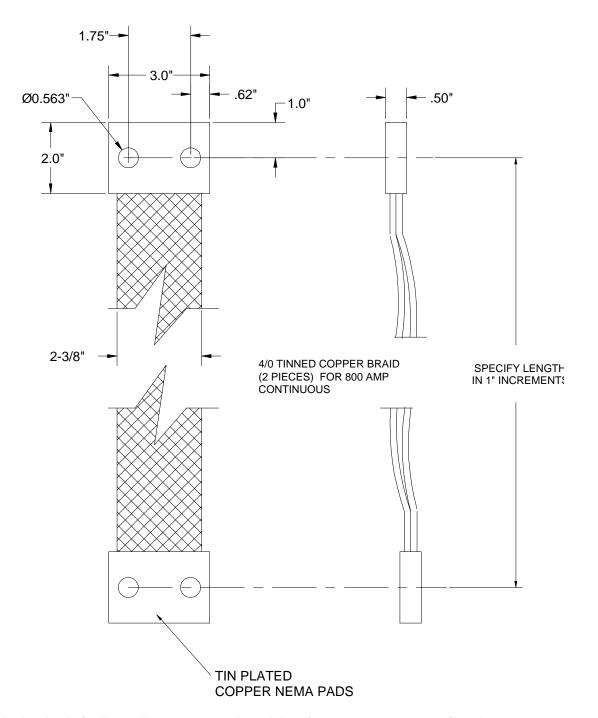


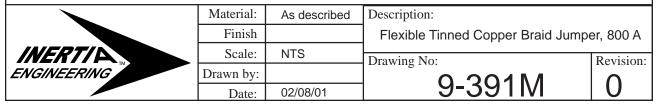
ALL JUMPERS ARE DESIGNED TO HAVE A MAXIMUM TEMPERATURE RISE OF 33°C AT 25°C AMBIENT TEMPERATURE.

JUMPERS CAN BE SUPPLIED WITH UV STABLE, TRACK RESISTANT INSULATION FOR WILDLIFE PROTECTION. CONSULT FACTORY FOR YOUR SPECIFIC REQUIREMENTS

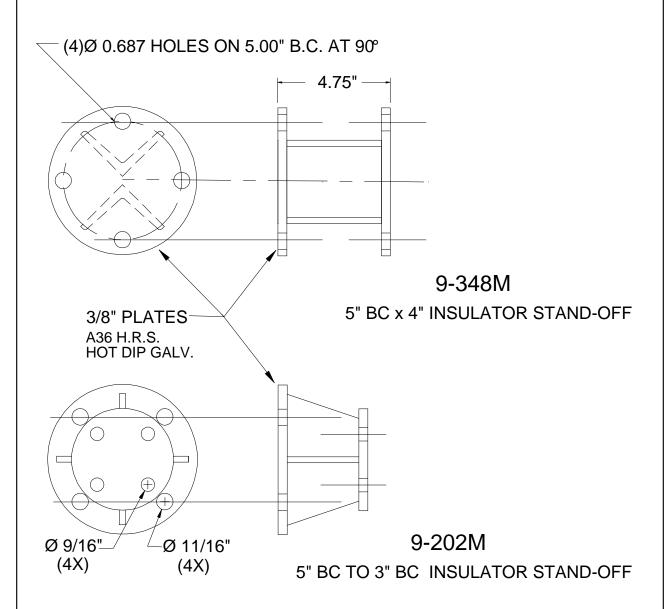


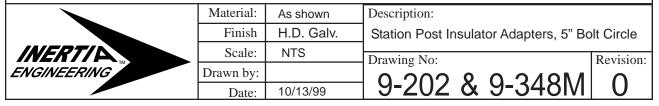
Swaged, tinned copper, flexible flat braids are available in customer specified lengths. Terminal pad configuration are available in 150 to 1200 A continuous current ratings. Use Inertia stainless steel shear-nuts with the jumpers to make repeatable and reliable electrical connections to electrical equipment.



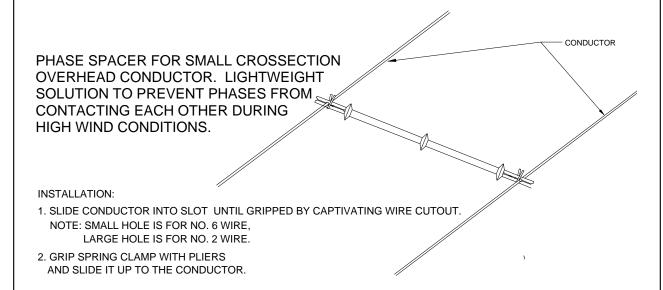


Standoffs- for replacing pin cap insulators with stronger station post insulators and conversion from 5" bolt circle insulators to 3" bolt circle insulators and vice versa.





Lightweight and economical conductor spacers install in seconds and provide long service life. The shedded design provides extended wet creepage distance. The UV resistant, silicone finish provide years of service in the most severe environments.

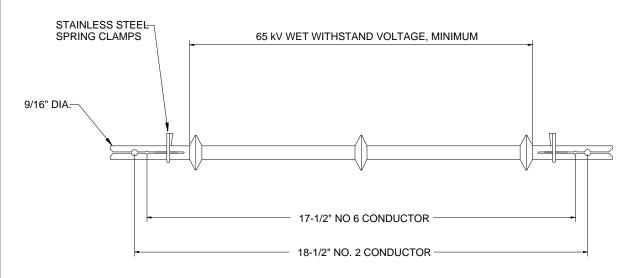


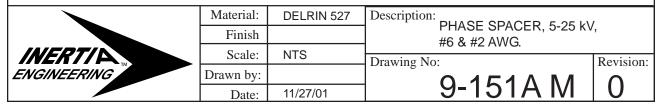
SPECIFICATIONS:

MATERIAL: DELRIN 527 SILICONE FINISH .001 IN. MIN. TENSILE STRENGTH MIN. AT 100°C: 4.8kpsi ELECTRICAL WET WITHSTAND: 4,500 VOLTS/in.

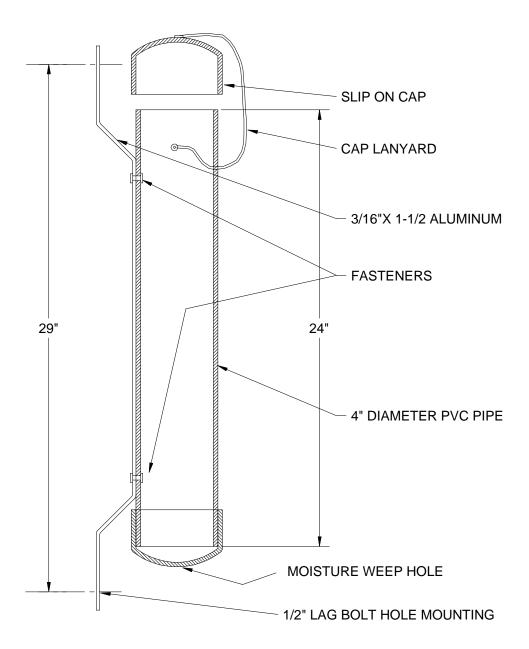
ULTRAVIOLET RESISTANCE: 80% MAX ELONGATION AT 600kj/m^2

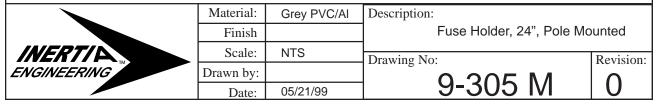
COLOR: SKY GRAY WEIGHT: 5.0 OZ.



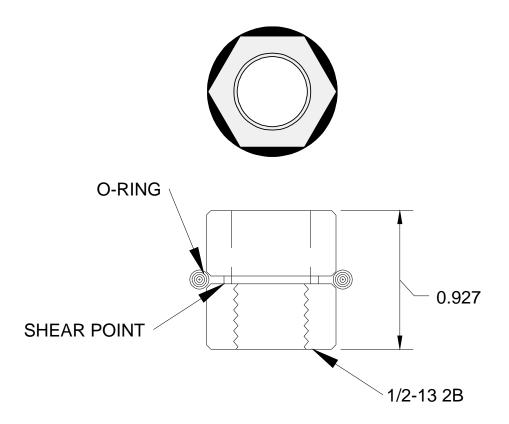


Pole top fuse canisters provide storage for unique or uncommon fuses not routinely carried on service vehicles. Site-specific fuses can be stored on the pole where these fuses are used, making them available when and where they are needed.



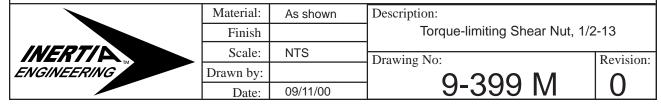


Stainless steel shear-nuts make repeatable and reliable electrical connections to electrical apparatus. Zinc, die cast shear nuts can be used for lower torque requirements. Installing rod guides, steps and other hardware to fiberglass poles or crossarms can damage the fiberglass pole or crossarm when excessive torque is applied. Shear nuts mitigate this problem.



Shear Nut Size	Construction Material	Shear Point
1/2-13	304 Stainless steel	45-55 lbs
1/2-13	Zinc, Die Cast	25-30 lbs

The above sizes are used for field connections to electrical equipment where specific torque values are required to compress Belleville washers and ensure a good electrical connection without the need for torque wrenches and the associated calibration of that tool. Other sizes, materials and torque-limits are available. Consult the factory for your specific needs.



Tay: (200) 024 0400			
Fax: (209) 931-8186			
	Material:	Description:	
	Finish		
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