

Date: 07/03/2024

Page: 1 of 3

MacLean Power Systems (MPS) is committed to continuous improvement initiatives that promote increased service and satisfaction for their customer base. In conjunction with this core company value MPS has made the decision to relocate manufacturing of Guy Strain Insulators (GSI) from their facility in Chateauguay, Québec Canada to the facility in Alabaster, Alabama USA. The relocation will centrally locate all GSI production under one facility under Alabaster operations for worldwide distribution. The Alabaster facility has been the primary facility for production of GSIs for markets outside of Canada as well as supply of component parts to the GSI Chateauguay operations. Locating all future production under one roof is intended to add additional operational efficiency, align quality systems, and promote additional environmental improvements with the use of UVMAXX<sup>TM</sup> veiled fiberglass for 80 plus year design life expectancies.



**Figure 1** – MacLean Power Systems UVMAXX Guy Strain Insulators

MPS has already completed transition of veiled Guy Strain Insulators production to the Alabaster facility in March 2024. As of July 2024, all silicone coated (“SC” catalog modifier) designs will also be transitioned to the Alabaster facility.

There will not be any changes made to the catalog numbering system utilized during this transition. Refer to the catalog numbering matrix in the Appendix of this document for further information.

Product performance will also remain the identical to what is currently produced in Chateauguay. Although product performance is unaffected by this move there is a change in the thickness of the silicone sheath from 3.0mm to 1.5mm. Reference the following list of test reports for verification that the 1.5mm sheath thickness meets required CSA C411.7 standard testing requirements.

- K-423811-Maclean Power-CSA C411.7
- N639 - Guy Strain Testing (PT PL-04576)
- PX55051\_MACLEAN
- K-331027 001-2020-03-30

For copies of test reports, performance information, assistance with specification, or to obtain additional help as needed please contact your MPS representative.

**Michael Valenza | Product Manager**

**MPS – Alabama Operations**

1909 Highway 87, Alabaster, AL 35007

[www.macleanpower.com](http://www.macleanpower.com)

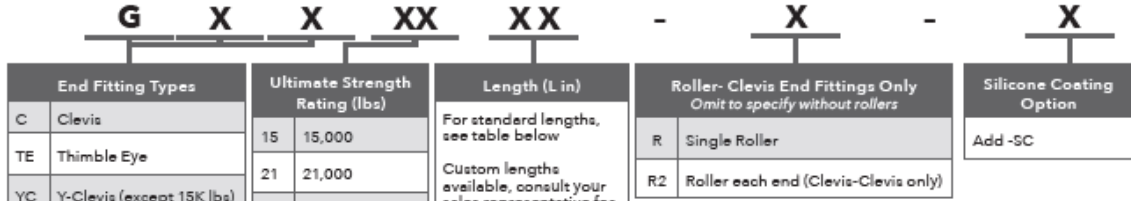
[mvalenza@macleanpower.com](mailto:mvalenza@macleanpower.com)

# Appendix

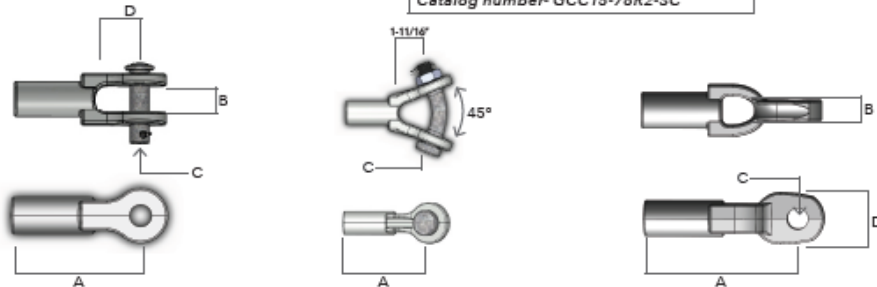
## GUY STRAIN INSULATORS

### CATALOG NUMBERING MATRIX

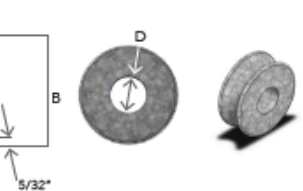
Example Catalog #:



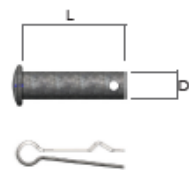
**Example**  
 » 78" Guy Strain Insulator  
 » Clevis-Clevis end fittings  
 » 15,000 lb ultimate strength rating  
 » Roller on each end  
 » Silicone coated  
**Catalog number- GCC15-78R2-SC**



Dimensions (in)	Clevis (C)				Y Clevis (YC)				Thimble Eye (TE)			
Rating	1500	2100	30000	36000	1500	2100	30000	36000	1500	2100	30000	36000
A	4	4	6 1/2	6 1/2	4 1/8	6 1/6	6 1/6		4 5/8	4 15/16	7 1/4	7 1/4
B	15/16	15/16	1	1					17/32	11/16	13/16	13/16
C	5/8	5/8	3/4	3/4	3/4	3/4	3/4		11/16	11/16	13/16	13/16
D	1 3/8	1 3/8	2	2					1 5/8	1 3/4	2 3/8	2 3/8



Roller					
Catalog Number	Rating (lbs)	A (in)	B (in)	D (in)	R (in)
R-17-5	15000	3/4	1 7/8	11/16	5/16
	21000				
R-24-6	30000	27/32	2 3/8	13/16	13/32
	36000				



Clevis Pin + Cotter Key				
Catalog Number	Rating (lbs)	D (in)	L (in)	Pin Die (in)
CPK-5-21	15000	5/8	2 1/8	5/8
	21000			
CPK-6-30	30000	3/4	2 1/2	3/4
	36000			