

Deadbreak Shear Bolt Lug

Product Data Sheet

Richards P6ALR Series Shear Bolt Lugs are range-taking connectors that utilize an innovative “stepless” shear bolt design. This shear bolt is engineered to break below the surface of the lug regardless of conductor cross-section. These lugs accept a wide range of conductor sizes and can be used on Aluminum or Copper conductors (900A rating). The P6ALR Series Lugs are used with IEEE 386 components such as 600/900A Deadbreak Elbows and Disconnectable Joints.

P6ALR Series Lugs are qualified to the following standards:

- ANSI C119.4
- IEC 61238-1 (class A)



Nominal Use Range Chart

Part #	SICON #	Nominal Conductor Range*		Compression Lug Code Equiv.		"X"***
		Min	Max	Min	Max	
P6ALR1	332901012	#4 Str	300	5	14	R1
P6ALR2	332811032	1/0	500 Cmpt	9	17	R2
P6ALR3	332900012	3/0	600	11	20	R3
P6ALR4	332907022	350	750	14	23	R4
P6ALR4.5	332922042	500	1000	18	28	R4.5
P6ALR5	332910022	600	1250	20	29	R5
P6ALR6***	332918012	1250	1600	29	30	R6

* Unless otherwise noted conductor size listed is stranded/compressed/compact.

** To order any standard Deadbreak Elbow or Disconnectable Joint kit with P6ALR Lug, use this column to select character "X".

*** For use on applications other than 35kV LC Series (Deadbreak Elbow), contact the factory.

Dimensional Chart

Part #	# Bolts	Hex Key Size	Length
P6ALR1	2	5 mm	3.7"
P6ALR2	2	6 mm	4.6"
P6ALR3	2	6 mm	4.6"
P6ALR4	3	8 mm	6.9"
P6ALR4.5	3	8 mm	6.4"
P6ALR5	3	8 mm	6.9"
P6ALR6	4	8 mm	8.2"

Basic Dimensions

