

200 A Loadbreak

200 A loadbreak connectors and accessories provide a convenient method to connect/disconnect cable and equipment on power distribution systems. Loadbreak elbows include provisions for energized operation using standard hotstick tools, allowing loadmake/break operation and a visible disconnect. Components can be isolated with insulated caps, plugs and parking bushings.

Optional accessories allow system grounding, testing, bypass, lightning surge protection and current limiting fusing. Additional connecting points and taps can be provided by use of junctions or feed-thrus.



Ratings Overview

See page A3–A4 for complete information including switching and fault close ratings.

Current Ratings

200 A Continuous
10 kA sym., 10 Cycles

Voltage Ratings

15 kV Class

8.3 kV Phase-to-Ground
14.4 kV Phase-to-Phase
95 kV BIL

34 kV AC Withstand
53 kV DC Withstand
11 kV Corona Extinction

25 kV Class

15.2 kV Phase-to-Ground
26.3 kV Phase-to-Phase
125 kV BIL

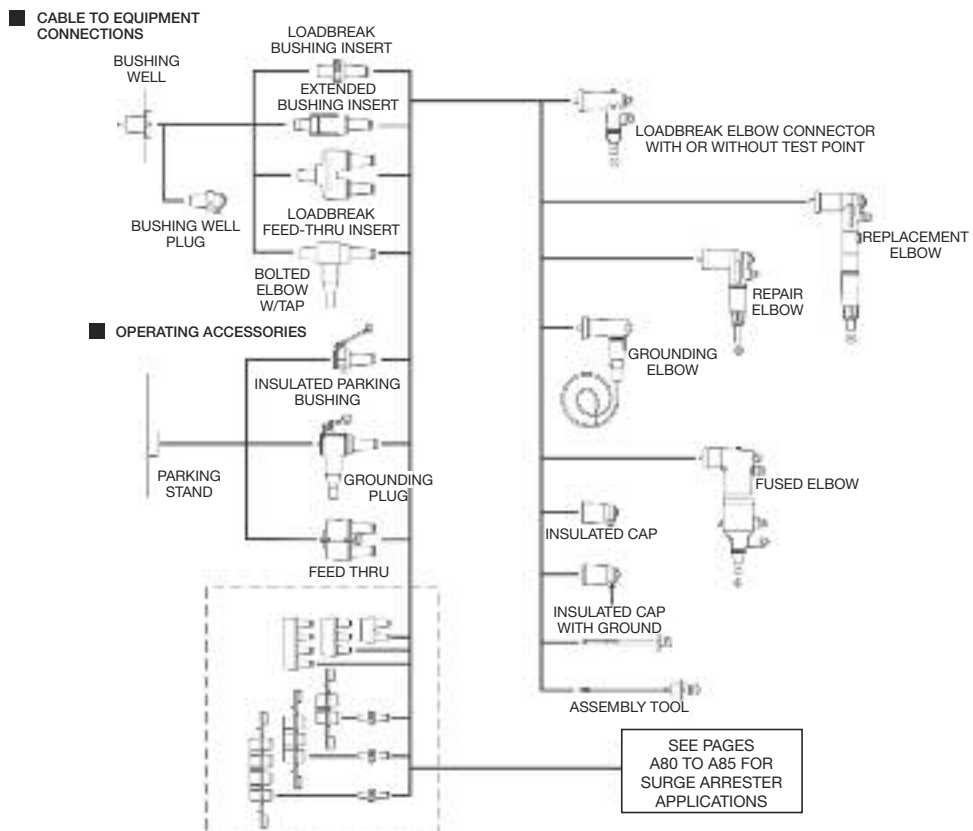
40 kV AC Withstand
78 kV DC Withstand
19 kV Corona Extinction

35 kV Class

21.1 kV Phase-to-Ground
36.6 kV Phase-to-Phase
150 kV BIL

50 kV AC Withstand
103 kV DC Withstand
26 kV Corona Extinction

200 A LOADBREAK SEPARABLE CONNECTOR COMPONENTS

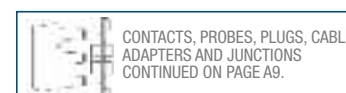


200 A Loadbreak

Illustration (not to scale)	Description	Voltage Class	ELASTIMOLD Cat. No.	Notes
	Elbow Connector	15 kV	165LR-W5X Use Tables W1 and X1	N2, 3, 4, 5
		25 kV	275LR-W5X Use Tables W16 and X1	N2, 3, 4, 5
		35 kV	375LR-W5X Use Tables W3 and X2	N2, 3, 5
	Elbow Connector w/ Test Point	15 kV	166LR-W5X Use Tables W1 and X1	N2, 3, 4, 5, 24
		25 kV	276LR-W5X Use Tables W16 and X1	N2, 3, 4, 5, 24
		35 kV	376LR-W5X Use Tables W3 and X2	N2, 3, 5, 24
	Jacket Seal Elbow Connector	15 kV	165LRJS-W5X Use Tables W1 and X1	N2, 19
		25 kV	275LRJS-W5X Use Tables W16 and X1	N2, 19
	Jacket Seal Elbow Connector w/ Test Point	15 kV	166LRJS-W5X Use Tables W1 and X1	N2, 19, 24
		25 kV	276LRJS-W5X Use Tables W16 and X1	N2, 19, 24
	Repair Elbow Connector	15 kV	167ELR-W5X Use Tables W5 and X1	N5, 10, 18
		25 kV	273ELR-W5X Use Tables W5 and X1	N5, 10, 18
	Repair Elbow Connector w/ Test Point	15 kV	168ELR-W5X Use Tables W5 and X1	N5, 10, 18, 24
		25 kV	274ELR-W5X Use Tables W5 and X1	N5, 10, 18, 24
	Replacement Elbow	15 kV	167RLR-W5X Use Tables W4 and X1	N5, 11, 13
		25 kV	273RLR-W5X Use Tables W2 and X1	N5, 11, 13
	Replacement Elbow w/ Test Point	15 kV	168RLR-W5X Use Tables W4 and X1	N5, 11, 13, 24
		25 kV	274RLR-W5X Use Tables W2 and X1	N5, 11, 13, 24
	Direct Test Elbow Connector	15 kV	167DLR-W5X Use Tables W4 and X1	N2, 5, 22
		25 kV	273DLR-W5X Use Tables W2 and X1	N2, 5, 22
	Direct Test Repair Elbow Connector	15 kV	167DELR-W5X Use Tables W5 and X1	N5, 10, 18, 22
		25 kV	273DELR-W5X Use Tables W5 and X1	N5, 10, 18, 22
	Direct Test Repair Elbow Connector w/ Test Point	15 kV	168DELR-W5X Use Tables W5 and X1	N5, 10, 18, 22, 24
		25 kV	274DELR-W5X Use Tables W5 and X1	N5, 10, 18, 22, 24
	Fused Elbow (Full Range Current Limiting)	15 kV	168FLR H-WOX 274FLR H-WOX See Product Guide PG-PC-H	
		25 kV		
	Bolted Elbow w/ Tap	15 kV	167LRT-W5X Use Tables W4 and X1	N17
	Bushing Insert	15 kV	1601A4	N4, 8, 20
		25 kV	2701A4	N4, 8, 20
		35 kV	3701A4	N6, 21
		35 kV	3701A3	N8, 21
	Extended Bushing Insert	15 kV	1601EA4	N8, 20
		25 kV	2701EA4	N8, 20
	Feed-Thru Insert	15 kV	1602A3R	N16
		25 kV	2702A1	N16
		35 kV	3702A1	N6, 16
	Insulated Cap	15 kV	160DR	N9
	Insulated Cap w/ Ground	15 kV	160DRG	N9
		15 kV	167DRG	N7, 9
		25 kV	273DRG	N7, 9
		35 kV	375DRG	N7, 9

Illustration (not to scale)	Description	Voltage Class	ELASTIMOLD Cat. No.	Notes
	Insulated Cap w/ Ground and Test Point	15 kV	168DRG	N7
		25 kV	274DRG	N7
		35 kV	376DRG	N7
	Grounding Plug (1/0 AWG x 6' Ground Lead)	15 kV	161GP	
		25 kV	272GP	
	Grounding Elbow (1/0 AWG x 6' Ground Lead)	15 kV	160GLR	
	Feed-Thru	15 kV	164FT	
		25 kV	274FT	
		35 kV	371FT	N16
		35 kV	373FT	
	Feed-Thru Vertical	15 kV	164FTV	
		25 kV	274FTV	
		35 kV	373FTV	
	Adjustable Bracket 2-point Feed-Thru	15 kV	164FT2-AB	N23
		25 kV	274FT2-AB	N23
		35 kV	373FT2-AB	N23
	Adjustable Bracket 3-point Feed-Thru	15 kV	164FT3-AB	N23
		25 kV	274FT3-AB	N23
		35 kV	373FT3-AB	N23
	Adjustable Bracket 4-point Feed-Thru	15 kV	164FT4-AB	N23
		25 kV	274FT4-AB	N23
		35 kV	373FT4-AB	N23
	Feed-Thru Well	15/25 kV	K1601WFT	
	Feed-Thru Well Vertical	15/25 kV	K1601WFTV	
	Insulated Parking Bushing	15 kV	161SOP	N20
		25 kV	272SOP	N20
		35 kV	372SOP	N21
		15 kV	164SOP	N20, 23
	Test Rod	ALL	370TR	
	Bushing Well Plug	15/25 kV	276BWP	
		35 kV	M276BWP	
	Assembly Tool	ALL	200AT	N8

- N1. Copper lug for use on COPPER CONDUCTOR ONLY.
N2. W5X indicates that the Cat. No. includes 02500X long bi-metal compression lug as standard. For an all-copper lug, replace W5X with W2X in Table X1 to specify the all-copper 02702X lug.
N3. Also available as housing only. Specify: 165BLR-W; 275BLR-W; 375BLR-W; 166BLR-W; 276BLR-W; 376BLR-W.
N4. Also available as elbow/insert combination. Specify: 165A4-WX; 275A4-WX; 166A4-WX; 276A4-WX.
N5. Also available with 200ECS jacket seal included. Add - "S" suffix to Cat. No.
N6. Rated for single-phase applications only.
N7. Equipped with insulated cuff.
N8. Includes internal torquing feature using 200AT Assembly Tool.
N9. Also available without probe. Specify "A" suffix - Example: 273DRGA.
N10. Repair elbow has extended length contact and elbow housing resulting in a net gain of 3-1/4 in. length.
N11. Replacement elbow has extended length contact and elbow housing resulting in a net gain of 8-7/8 in. length.
N12. Rated for 25 kV thru 35 kV applications.
N13. Includes long bi-metal contact 00400X.
N14. 160CA Cable Size Adapter can only be used with elbow Cat. No. 165LR/166LR C size only.
N16. Fully rotatable for 360° positioning. Includes bail assembly to secure feed-thru insert to bushing well.
N17. Includes 02800X bi-metal contact.
N18. Includes 02509X long bi-metal contact.
N19. Includes built-in jacket seal. Also available as housing only — specify: 165BLRJS-W, 166BLRJS-W, 275BLRJS-W or 276BLRJS-W. Also available as elbow/insert combination — specify: 165JSA4-W5X, 166JSA4-W5X, 275JSA4-W5X or 276JSA4-W5X.
N20. Includes a yellow seating indicator and vent ring.
N21. Includes a black vent ring.
N22. Direct Test Connectors, along with a 200TC-X series meter adapter, a properly rated voltage meter and Hot-line Stick provides a means for direct conductor voltage testing.
N23. With stainless steel bracket.
N24. Test Point Cap Cat# 156-7



Refer to the W and X tables on pages A39 to A41 for sizing to cable insulation diameter and conductor size. For cable shield adapters and jacket seals, see page A30.

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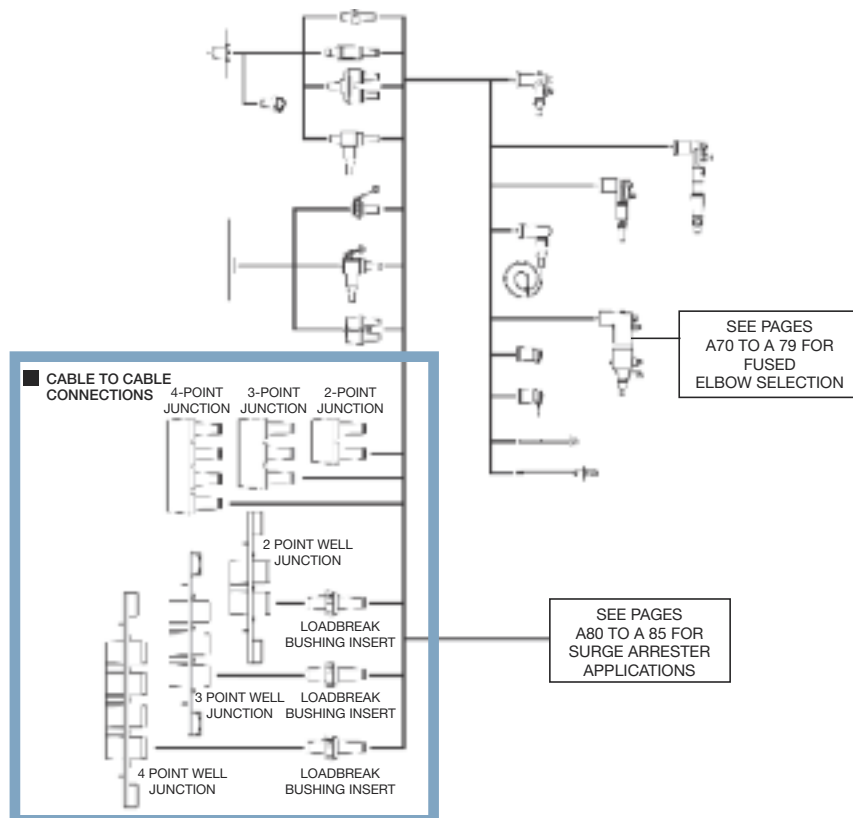
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200 A LOADBREAK SEPARABLE CONNECTOR COMPONENTS



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Illustration (not to scale)	Description	Voltage Class	ELASTIMOLD Cat. No.	Notes
	Contacts: Long Bi-Metal ELR Bi-Metal Copper LRT Contact RLR Contact	ALL 15/25 kV 02702X 02800X 15/25 kV	Use Table X1 02500X 02509X 02702X 02800X 00400X	N1 N2 N3
	Elbow Probe	15 kV 25 kV 35 kV	166LRF 274LRF 375LRF	
	Elbow Cable Entrance Insulating Plug	ALL	10EPW Use Table W6	
	Cable Size Adapter	15 kV	160CA-W Use Table W6 EB-FA Only	N4
	Direct Voltage Test Meter Adapter for: HD Electric Meters	ALL	200TC-1	N14
	Ross Meters		200TC-2	N14
	Chance Meters		200TC-4	N14
	2-Way Well Junction w/ s.s. Bracket	15/25 kV	K1601WJ2	N6
	2-Way Well Junction w/ "U" Straps	15/25 kV	K1601WJ2-5	N5, 6, 11
	3-Way Well Junction w/ s.s. Bracket	15/25 kV	K1601WJ3	N6
	3-Way Well Junction w/ "U" Straps	15/25 kV	K1601WJ3-5	N5, 6, 12
	4-Way Well Junction w/ s.s. Bracket	15/25 kV	K1601WJ4	N6
	4-Way Well Junction w/ "U" Straps	15/25 kV	K1601WJ4-5	N5, 6, 13

Illustration (not to scale)	Description	Voltage Class	ELASTIMOLD Cat. No.	Notes
	2-Point Junction with/Stainless Steel bracket	15 kV 25 kV 35 kV	164J2 274J2 373J2	N7 N7 N7
	2-Point Junction w/"U"-straps	15 kV 25 kV 35 kV	164J2-5 274J2-5 373J2-5	N5, 8 N5, 11 N5, 11
	3-Point Junction with/Stainless Steel bracket	15 kV 25 kV 35 kV	164J3 274J3 373J3	N7 N7 N7
	3-Point Junction w/"U"-straps	15 kV 25 kV 35 kV	164J3-5 274J3-5 373J3-5	N5, 9 N5, 12 N5, 12
	4-Point Junction with/Stainless Steel bracket	15 kV 25 kV 35 kV	164J4 274J4 373J4	N7 N7 N7
	4-Point Junction w/"U"-straps	15 kV 25 kV 35 kV	164J4-5 274J4-5 373J4-5	N5, 10 N5, 13 N5, 13

- N1. Repair elbow has extended length contact and elbow housing resulting in a net gain of 3-1/4 in. length.
N2. Copper lug for use on COPPER CONDUCTOR ONLY.
N3. Replacement elbow has extended length contact and elbow housing resulting in a net gain of 8-7/8 in. length.
N4. 160CA Cable Size Adapter can only be used with elbow part numbers 165LR/166LR C size only.
N5. Also available as rubber only, without straps. Specify suffix "-4" in place of "-5" in the Cat. No.
N6. Supplied with replaceable stud. Replacement stud available separately. Specify 1000-150.
N7. Hardware packages, consisting of brackets and straps only, may be ordered separately by specifying "-6" in the Cat. No. Example 164J4-6
N8. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 1601US-J2.
N9. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 1601US-J3.
N10. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 1601US-J4.
N11. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 271-68.
N12. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 271-61.
N13. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 271-70.
N14. For use with Direct Test Connectors.