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

- CABLE TO EQUIPMENT CONNECTIONS
  • BUSHING WELL
  • BUSHING WELL PLUG
  • BOLTED ELBOW W/TAP
  • BUSHING ELBOW
  • FEED THRU

- OPERATING ACCESSORIES
  • PARKING STAND
  • GROUNDING PLUG

- COMPONENTS
  • LOADBREAK CONNECTOR WITH OR WITHOUT TEST POINT
  • REPLACEMENT ELBOW
  • REPAIR ELBOW
  • GROUNDING ELBOW
  • FUSED ELBOW
  • INSULATED CAP
  • INSULATED CAP WITH GROUND

See pages A80 to A85 for surge arrester applications
## 200 A Loadbreak

### Illustration (not to scale)

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage Class</th>
<th>ELASTIMOLD Cat. No.</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Elbow Connector</td>
<td>15 kV</td>
<td>165LR-WXW</td>
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<td>25 kV</td>
<td>275LR-WXW</td>
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<td>35 kV</td>
<td>375LR-WXW</td>
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<td>Elbow Connector w/ Test Point</td>
<td>15 kV</td>
<td>166LR-WXW</td>
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<td>35 kV</td>
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<td>Jacket Seal Elbow Connector</td>
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<td>165LRJS-WXW</td>
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<td>Repair Elbow Connector</td>
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<td>167LR-WXW</td>
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<td>25 kV</td>
<td>277LR-WXW</td>
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<tr>
<td>Replacement Elbow</td>
<td>15 kV</td>
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<td>25 kV</td>
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<td>Direct Test Elbow Connector</td>
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<td>167DLR-WXW</td>
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<td>Fused Elbow (Full Range Limiting)</td>
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<td>25 kV</td>
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<td>Bolted Elbow w/ Tap</td>
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<td>167LRNT-WXW</td>
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<td>25 kV</td>
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<td>Extended Bushing Insert</td>
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<td>Feed-Thru Insert</td>
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<td>25 kV</td>
<td>27023AR</td>
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<td>35 kV</td>
<td>37023AR</td>
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<tr>
<td>Insulated Cap w/ Ground</td>
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<td>1600RG</td>
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<td></td>
<td>25 kV</td>
<td>1670RG</td>
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<td></td>
<td>35 kV</td>
<td>27350RG</td>
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### Illustrated Descriptions

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<tr>
<th>Description</th>
<th>Voltage Class</th>
<th>ELASTIMOLD Cat. No.</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Insulated Cap w/ Ground and Test Point</td>
<td>15 kV</td>
<td>1680DRG</td>
<td>N7</td>
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<td>25 kV</td>
<td>2740DRG</td>
<td>N7</td>
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<td>35 kV</td>
<td>3760DRG</td>
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<td>Grounding Plug (1/10 AWG x 6’ Ground Lead)</td>
<td>15 kV</td>
<td>1611GP</td>
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<td>25 kV</td>
<td>2721GP</td>
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<td>25/35 kV</td>
<td>3700GLR</td>
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<td>Feed-Thru</td>
<td>15 kV</td>
<td>164FT</td>
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<td>35 kV</td>
<td>3711FT</td>
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<td>Feed-Thru Vertical</td>
<td>15 kV</td>
<td>164FTV</td>
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<td>25 kV</td>
<td>274FTV</td>
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<td>Adjustable Bracket 2-point Feed-Thru</td>
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<td>164FT2-AB</td>
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<td>25 kV</td>
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<td>Adjuster Bracket 3-point Feed-Thru</td>
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<td>164FT3-AB</td>
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<td>25 kV</td>
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<td>Adjuster Bracket 4-point Feed-Thru</td>
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<td>25 kV</td>
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<td>Feed-Thru Well</td>
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<td>Insulated Parking Bushing</td>
<td>15 kV</td>
<td>1610SP</td>
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<td>35 kV</td>
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<td>Test Rod</td>
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<td>Bushing Well Plug</td>
<td>15 kV</td>
<td>2768WP</td>
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<td></td>
<td>35 kV</td>
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<td>Assembly Tool</td>
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<td>200AT</td>
<td>N8</td>
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</tbody>
</table>

N1. Copper lug for use on COPPER CONDUCTOR ONLY.
N2. WX indicates that the Cat. No. includes 02500X long bi-metal compression lug as standard. For an all-copper replacement, use WX assembly in Table X1 to specify the all-copper 0270XX lug.
N3. Also available as housing only. Specify: 165BLR-W, 275BLR-W, 375BLR-W, 166BLR-W, 276BLR-W.
N4. Also available as elbow/insert combination. Specify: 165AA-WX, 275AA-WX, 166AA-WX, 276AA-WX.
N5. Also available with 200EC or 200EF lug seal included. Add “S” suffix to Cat. No.
N6. Rated for single-phase applications only.
N7. Equipped with insulated cuff.
N8. Includes internal torqueing feature using 200AT Assembly Tool.
N9. Also available without probe. Specify “A” suffix to Cat. No.
N10. Repair elbow has extended length contact and elbow housing resulting in a net gain of 3-1/4 in. length.
N11. Repair 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. 165L-R/166L-C size only.
N16. Fully rotatable for 360° positioning, includes ball assembly to secure feed-thru insert to bushing well.
N17. Includes 02500X long bi-metal contact.
N18. Includes 02500X long bi-metal contact.
N19. Includes built-in jacket seal. Also available as housing only — specify 165BLURS-W, 166BLURS-W, 275BLURS-W or 276BLURS-W. Also available as elbow/insert combination — specify 165JSA-WX, 166JSA-WX, 275JSA-WX, 276JSA-WX.
N20. Includes a yellow sealing 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 A50.
200 A Loadbreak

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

SEE PAGES A70 TO A79 FOR FUSED ELBOW SELECTION

SEE PAGES A80 TO A85 FOR SURGE ARRESTER APPLICATIONS
## 200 A Loadbreak

### Illustration (not to scale)

**Contacts:**
- Long Bi-Metal ELF Bi-Metal Copper LRT Contact RLR Contact

Elbow Probe
- 15 kV
- 25 kV
- 35 kV
- 166LRF
- 274LRF
- 375LRF

Elbow Cable Entrance Insulating Plug
- ALL
- 10EPW
- Use Table 26

Cable Size Adapter
- 15 kV
- 160CA-W
- Use Table W6
- EB-FA Only

Direct Voltage Test Meter Adapter for HD Electric Meters
- ALL
- 200TC-1
- N14

- 200TC-2
- N14

- 200TC-4
- N14

2-Point Junction w/ s.s. Bracket
- 15/25 kV
- K1601WJ2
- N6

2-Point Junction w/ "U" Straps
- 15/25 kV
- K1601WJ2-5
- N5, 6, 11

3-Point Junction w/ s.s. Bracket
- 15/25 kV
- K1601WJ3
- N6

3-Point Junction w/ "U" Straps
- 15/25 kV
- K1601WJ3-5
- N5, 6, 12

4-Point Junction w/ s.s. Bracket
- 15/25 kV
- K1601WJ4
- N6

4-Point Junction w/ "U" Straps
- 15/25 kV
- K1601WJ4-5
- N5, 6, 13

### Description Voltage Class ELASTIMOLD Cat. No. Notes

1. Repair elbow has extended length contact and elbow housing resulting in a net gain of 3-1/4 in. length.
2. Copper lug for use on COPPER CONDUCTOR ONLY.
3. Replacement elbow has extended length contact and elbow housing resulting in a net gain of 8-7/8 in. length.
4. 160CA Cable Size Adapter can only be used with elbow part numbers 165LR/166LR C size only.
5. Also available as rubber only, without straps. Specify suffix "-4" in place of "-5" in the Cat. No.
7. Hardware packages, consisting of brackets and straps only, may be ordered separately by specifying "-6" in the Cat. No. Example 160CA-J2.
8. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J3.
9. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J4.
10. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J5.
11. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J6.
12. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J7.
13. Hardware package, consists of "U"-straps and back plate only, may be ordered separately by specifying 160CA-J8.
14. For use with Direct Test Connectors.