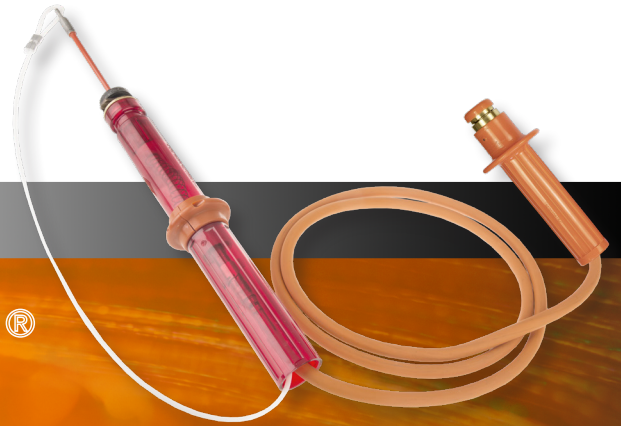


CHANCE[®]

Jumpers & Load Pickup Tools

Catalog 2300 Sept 2021



Jumpers & Load Pickup Tools -2300



All CHANCE® Insulated Jumpers meet ASTM F 2321 Standard Specification.

Clear Insulated Jumper Clamps

Features & Applications

- Unobstructed view of cable, ferrule, and clamp connection points
- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Handles are tough, high-impact strength polycarbonate with a wide hand guard flange

15 kV Ø-Ø Rated — 400 Amp Capacity

The PSG4758CL series Jumper Clamp has:

- Handle length of 5-5/8" below the handguard
- Bearing type floating washer lower contact that improves gripping action and prevents conductor scoring
- Metal parts with copper alloy to improve oxidation resistance

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|-----------|-----------------|-------------------|--------------------|--------------------|------|--------------------|
| | | Max. | Min. | Max. | Min. | |
| PSG4758CL | Pair* of Clamps | 795 ACSR 1.14" | #6 Copper .162" | 4/0 | #2 | 2¼ lb./ 1.0 kg. |

*Cat No. PSC6010369 for single clamp.

25 kV Ø-Ø Rated — 400 Amp Capacity

The PSG4765CL series Jumper Clamp has:

- The same polycarbonate material in the handle as other CHANCE® clear Jumper Clamps
- Handle length below handguard is 7-1/2"

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|-----------|-----------------|-------------------|--------------------|--------------------|------|--------------------|
| | | Max. | Min. | Max. | Min. | |
| PSG4765CL | Pair* of Clamps | 795 ACSR 1.14" | #6 Copper .162" | 4/0 | #2 | 2¾ lb./ 1.3 kg. |

*Cat. No. PSC6010370 for single clamp.

35 kV Ø-Ø Rated — 400 Amp Capacity

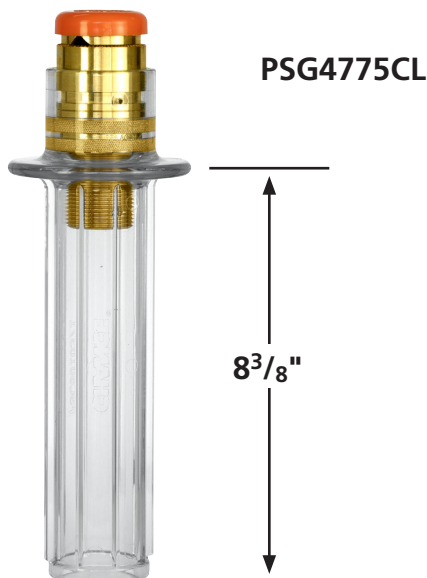
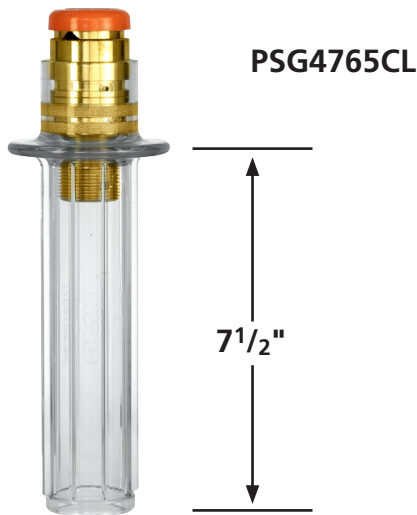
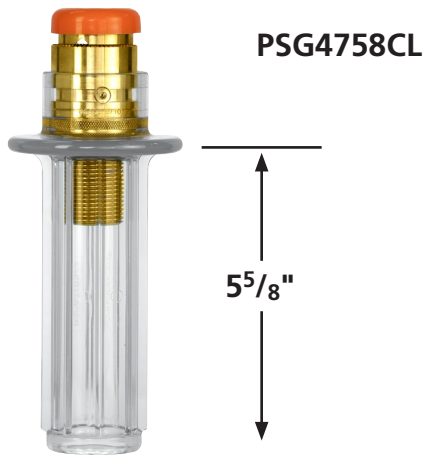
The PSG4775CL series Jumper Clamp has:

- A larger contact opening for use on larger conductor
- Handle length below the handguard is 8-3/8"

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|-----------|-----------------|--------------------|--------------------|--------------------|------|-------------------|
| | | Max. | Min. | Max. | Min. | |
| PSG4775CL | Pair* of Clamps | 954 ACSR 1.165" | #6 Copper .162" | 4/0 | #2 | 3 lb./ 1.4 kg. |

*Cat. No. PST6010040 for single clamp.



All CHANCE® Insulated Jumpers meet ASTM F 2321 Standard Specification.

Insulated Jumper Clamps

Features & Applications

- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Handles are tough, high-impact strength polyethylene with a wide hand guard flange

15 kV Ø-Ø Rated — 400 Amp Capacity

The G4758 series Jumper Clamp has:

- Handle length of 5-5/8" below the handguard
- Bearing type floating washer lower contact that improves gripping action and prevents conductor scoring
- Metal parts with copper alloy to improve oxidation resistance

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|----------|-----------------|-------------------|-----------------------|--------------------|------|--------------------|
| | | Max. | Min. | Max. | Min. | |
| G4758 | Pair* of Clamps | 795 ACSR 1.14" | #6 Copper .162" | 4/0 | #2 | 2¼ lb./ 1.0 kg. |

*Cat No. PST601003 for single clamp.

25 kV Ø-Ø Rated — 400 Amp Capacity

The G4765 series Jumper Clamp has:

- The same polyethylene material in the handle as other CHANCE Jumper Clamps
- Handle length below handguard is 7-1/2"

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|----------|-----------------|-------------------|-----------------------|--------------------|------|--------------------|
| | | Max. | Min. | Max. | Min. | |
| G4765 | Pair* of Clamps | 795 ACSR 1.14" | #6 Copper .162" | 4/0 | #2 | 2¾ lb./ 1.3 kg. |

*Cat. No. PST6010039 for single clamp.

35 kV Ø-Ø Rated — 400 Amp Capacity

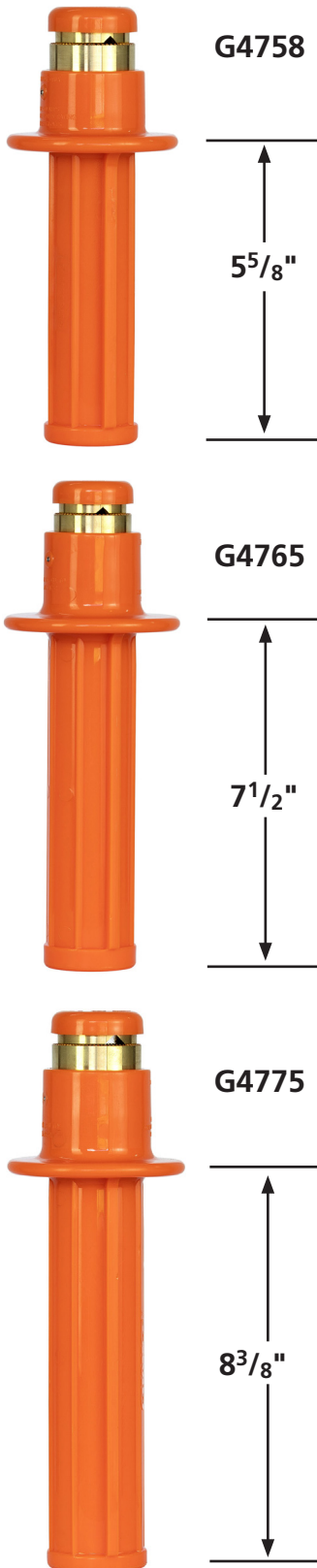
The G4775 series Jumper Clamp has:

- A larger contact opening for use on larger conductor
- Handle length below the handguard is 8-3/8"

Style I per ASTM F 2321 Standard Specification

| Cat. No. | Description | Main Line Range | | Jumper Cable Range | | Weight |
|----------|-----------------|--------------------|-----------------------|--------------------|------|-------------------|
| | | Max. | Min. | Max. | Min. | |
| G4775 | Pair* of Clamps | 954 ACSR 1.165" | #6 Copper .162" | 4/0 | #2 | 3 lb./ 1.4 kg. |

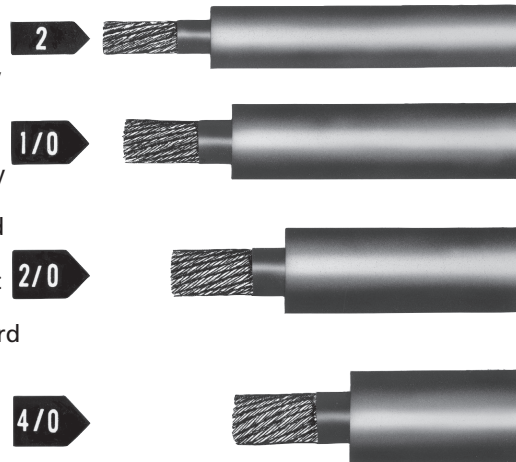
*Cat. No. PST6010040 for single clamp.



Jumper Cable rated Ø-Ø 15 kV with EPR Insulation/Jacket

Features & Applications

- Extremely flexible even at low temperatures
- Features insulation/jacket combination resistant to abrasion, oil, heat, moisture and ozone
- Orange/Red color of mold-cured ethylene-propylene-base coating imparts high visibility
- AWG size and voltage rating are embossed at 4-foot intervals for easy identification
- For extended service life, an extruded screen interfaces insulation and conductor
- This strand screen improves voltage-stress control by adding dielectric strength and eliminating internal corona
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- For easy handling in adverse conditions, conductors are extra flexible alloy-coated copper-stranded rope per ASTM B-189 or B-33
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient



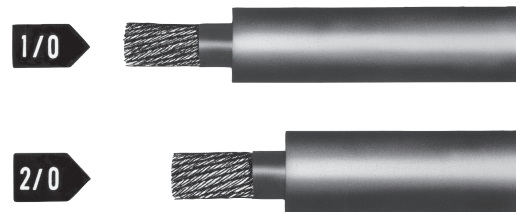
Type I per ASTM F 2321 Standard Specification

| Catalog No. | Size AWG | Stranding | Approx. Cond. Diameter | Approx. Cable O.D. | Approx. Ampacity Rating, Amps | Weight Per 1000 Ft. |
|-------------|----------|------------|------------------------|--------------------|-------------------------------|---------------------|
| S10043 | #2 | 259/No. 26 | 0.322" | 0.779" | 200 | 438 lb./197 kg. |
| S10044 | 1/0 | 413/No. 24 | 0.404" | 0.863" | 260 | 598 lb./269 kg. |
| S10045 | 2/0 | 273/No. 23 | 0.455" | 0.914" | 300 | 707 lb./318 kg. |
| S10046 | 4/0 | 437/No. 21 | 0.602" | 1.065" | 400 | 1047 lb./471 kg. |

Jumper Cable rated Ø-Ø 25 kV and 35 kV with EPR Insulation/Jacket

Features & Applications

- Extremely flexible even at low temperatures
- Features insulation/jacket combination resistant to abrasion, oil, heat, moisture and ozone
- Orange/Red color of mold-cured ethylene-propylene-base coating imparts high visibility
- AWG size and voltage rating are embossed at 4-foot intervals for easy identification
- For extended service life, an extruded screen interfaces insulation and conductor
- This strand screen improves voltage-stress control by adding dielectric strength and eliminating internal corona
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- For easy handling in adverse conditions, conductors are extra flexible alloy-coated copper-stranded rope per ASTM B-189 or B-33
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient



For connectors, see page 2304.

Type I per ASTM F 2321 Standard Specification

| Catalog No. | Size AWG | Stranding | Approx. Cond. Diameter | Approx. Cable O.D. | Approx. Ampacity Rating, Amps | Weight Per 1000 ft. |
|---------------------|----------|-----------|------------------------|--------------------|-------------------------------|---------------------|
| 25 kV Cable: | | | | | | |
| S11272 | 1/0 | 413 | 0.404" | 1.113" | 260 | 801 lb./ 360.5 kg. |
| S11273 | 2/0 | 266 | 0.450" | 1.160" | 300 | 913 lb./410.9 kg. |

Type I per ASTM F 2321 Standard Specification

| | | | | | | |
|---------------------|-----|-----|--------|--------|-----|-------------------|
| 35 kV Cable: | | | | | | |
| S11274 | 1/0 | 413 | 0.404" | 1.287" | 260 | 985 lb./443.3 kg. |



Jumper Terminals for 15kV EPR Jumper Cable only

Features & Applications

- Shrouded terminals are for use with only grounding clamps (see Section 3000) and EPR Jumper Cable (Page 2305)
- Should only be used as temporary jumper assemblies (and should not be used with insulated jumper clamps, page 2302)
- Extra heavy-duty shroud prevents excessive cable stress at terminal connection
- To match pressure-type and threaded connectors on grounding clamps, both plug and stud terminal styles are available
- Two crimps in Section "A" with Burndy die numbers (or equivalent) below secure terminal to cable
- Anderson VERSA-CRIMP[®] compression tools are acceptable for making these crimped connections

PLUG TERMINALS (NO THREADS)

Type III per ASTM F 2321 Standard Specification

| Cable Size | Catalog No. | Burndy Die No. | Weight per terminal |
|------------|-------------------------|----------------|---------------------|
| | One Unit, Not Installed | | |
| #2 | C6010190 | U243 | 2 oz. |
| 1/0 | C6010191 | U243 | |
| 2/0 | C6010192 | U166-206 | |
| 4/0 | C6010193 | U249 | |



STUD TERMINALS (THREADED)

Type III per ASTM F 2321 Standard Specification

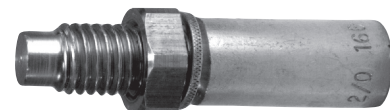
| Cable Size | Catalog No. | Burndy Die No. | Weight per terminal |
|------------|-------------------------|----------------|---------------------|
| | One Unit, Not Installed | | |
| #2 | C6010198 | U243 | 3 oz. |
| 1/0 | C6010199 | U243 | |
| 2/0 | C6010200 | U166-206 | |
| 4/0 | C6010201 | U249 | |



Jumper Clamp Connector Assemblies for 15kV, 25kV & 35kV Jumper Cable

Features & Applications

- Copper Connector Assemblies are necessary to join cable and clamp together on Jumper Clamps or Load Pickup Tools only
- Threads are 5/8-11 NC for all connectors
- Each Catalog Number consists of a copper connector, nut and lockwasher
- Anderson VERSA-CRIMP[®] compression tools are acceptable for making these crimped connections



Type VI per ASTM F 2321 Standard Specification

| Catalog No. | Cable Size | Burndy Die No. (or equivalent) | No. of Crimps | Weight each |
|-------------|------------|--------------------------------|---------------|-------------|
| C6002598 | No. 2 | U165 | 2 | 4 oz. |
| C6002599 | 1/0 | U165 | 2 | 4 oz. |
| C6002600 | 2/0 | U165 | 2 | 4 oz. |
| C6002601 | 4/0 | U166 | 2 | 4 oz. |

Insulated Clear Handle Jumper Sets for 15 kV, 25kV and 35 kV

Features & Applications

- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Pre-assembled for popular distribution-system voltages, 10 sets offer a choice of cable sizes
- Continuous-current ratings for sets range from 200 to 400 amperes based on cable size selected
- All sets include cable listed below
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient
- AWG size and voltage rating are embossed at 4' intervals on EPR (ethylene-propylene) insulated jacket
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- Extra-flexible conductors are alloy-coated copper-stranded rope per ASTM B-189 or B-33
- Jumper clamps feature "floating-washer" design and high-impact polycarbonate handles with wide handguard flange

- Small 15kV clamp has 5-5/8" handle below handguard
- Large 15 kV and 25kV clamps each has 7-1/2" handle below handguard
- 35kV clamp has 8-3/8" handle below handguard
- Clear handles provide an unobstructed view of cable, ferrule, and clamp connection



- NOTE: Adequate rubber gloves must be worn when installing or removing jumper clamps

15 kV Jumper Cable

| Size, AWG | Continuous Current Rating, Amperes | Reference Cat. No. |
|-----------|------------------------------------|--------------------|
| #2 | 200 | S10043 |
| 1/0 | 260 | S10044 |
| 2/0 | 300 | S10045 |
| 4/0 | 400 | S10046 |

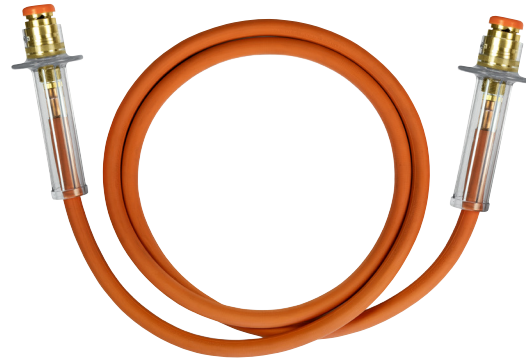
25 kV Jumper Cable

| | | |
|-----|-----|--------|
| 1/0 | 260 | S11272 |
| 2/0 | 300 | S11273 |

35 kV Jumper Cable

| | | |
|-----|-----|--------|
| 1/0 | 260 | S11274 |
|-----|-----|--------|

All CHANCE® Insulated Jumpers meet ASTM F 2321 Standard Specification.



Ordering Information

Each set includes one 12 ft. cable assembled with two crimp connectors to two jumper clamps.

15 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

Small-Conductor Range

| Catalog No. | Cable | Weight | Main Line Range | |
|--------------|-------|---|----------------------|----------------------|
| | | | Min. | Max |
| PSC6010163CL | #2 | 8 lb. / 3.6 kg. | #6 Sol. Cu. (0.162") | 795 MCM ACSR (1.14") |
| PSC6010162CL | 1/0 | 9 ³ / ₄ lb. / 4.4 kg. | | |
| PSC6010164CL | 2/0 | 11 ¹ / ₄ lb. / 5 kg. | | |

Large-Conductor Range - Uses longer handle 25kV clamps

| | | | | |
|--------------|-----|---|----------------------|---------------------|
| PSC6010171CL | #2 | 8 lb. / 3.6 kg. | #6 Sol. Cu. (0.162") | 795MCM ACSR (1.14") |
| PSC6010172CL | 1/0 | 9 ³ / ₄ lb. / 4.4 kg. | | |
| PSC6010173CL | 2/0 | 11 ¹ / ₄ lb. / 5 kg. | | |
| PSC6010174CL | 4/0 | 15 ¹ / ₄ lb. / 7 kg. | | |

25 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

| | | | | |
|--------------|-----|--|----------------------|---------------------|
| PSC6010269CL | 1/0 | 10 lb. / 4.5 kg. | #6 Sol. Cu. (0.162") | 795MCM ACSR (1.14") |
| PSC6010270CL | 2/0 | 11 ¹ / ₂ lb. / 5.2 kg. | | |

35 kV Set

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

| | | | | |
|----------|-----|--|----------------------|----------------------|
| C6010271 | 1/0 | 15 ¹ / ₂ lb. / 7 kg. | #6 Sol. Cu. (0.162") | 954MCM ACSR (1.165") |
|----------|-----|--|----------------------|----------------------|

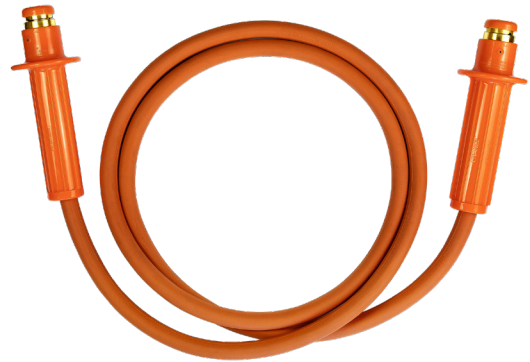


Insulated Jumper Sets for 15 kV, 25kV and 35 kV

Features & Applications

- Used for bypassing work areas when equipment is under repair
- Also used for upgrading lines and making temporary or emergency repairs
- Pre-assembled for popular distribution-system voltages, 10 sets offer a choice of cable sizes
- Continuous-current ratings for sets range from 200 to 400 amperes based on cable size selected
- All sets include cable listed below
- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient
- AWG size and voltage rating are embossed at 4' intervals on EPR (ethylene-propylene) insulated jacket
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- Extra-flexible conductors are alloy-coated copper-stranded rope per ASTM B-189 or B-33

All CHANCE® Insulated Jumpers meet ASTM F 2321 Standard Specification.



- Jumper clamps feature "floating-washer" design and high-impact polyethylene handles with wide handguard flange



- Small 15kV clamp has 5-5/8" handle below handguard
- Large 15 kV and 25kV clamps each has 7-1/2" handle below handguard
- 35kV clamp has 8-3/8" handle below handguard

- NOTE: Adequate rubber gloves must be worn when installing or removing jumper clamps

15 kV Jumper Cable

| Size, AWG | Continuous Current Rating, Amperes | Reference Cat. No. |
|-----------|------------------------------------|--------------------|
| #2 | 200 | S10043 |
| 1/0 | 260 | S10044 |
| 2/0 | 300 | S10045 |
| 4/0 | 400 | S10046 |

25 kV Jumper Cable

| | | |
|-----|-----|--------|
| 1/0 | 260 | S11272 |
| 2/0 | 300 | S11273 |

35 kV Jumper Cable

| | | |
|-----|-----|--------|
| 1/0 | 260 | S11274 |
|-----|-----|--------|

Ordering Information

Each set includes one 12 ft. cable assembled with two crimp connectors to two jumper clamps.

15 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

Small-Conductor Range

| Catalog No. | Cable | Weight | Main Line Range | |
|-------------|-------|---|----------------------|---------------------|
| | | | Min. | Max. |
| C6010163 | #2 | 8 lb. / 3.6 kg. | #6 Sol. Cu. (0.162") | 795MCM ACSR (1.14") |
| C6010162 | 1/0 | 9 ³ / ₄ lb. / 4.4 kg. | | |
| C6010164 | 2/0 | 11 ¹ / ₄ lb. / 5 kg. | | |

Large-Conductor Range - Uses longer handle 25kV clamps

| | | | | |
|----------|-----|---|----------------------|---------------------|
| C6010171 | #2 | 8 lb. / 3.6 kg. | #6 Sol. Cu. (0.162") | 795MCM ACSR (1.14") |
| C6010172 | 1/0 | 9 ³ / ₄ lb. / 4.4 kg. | | |
| C6010173 | 2/0 | 11 ¹ / ₄ lb. / 5 kg. | | |
| C6010174 | 4/0 | 15 ¹ / ₄ lb. / 7 kg. | | |

25 kV Sets

Style I, Type I, Class A

per ASTM F 2321 Standard Specification

| | | | | |
|----------|-----|--|----------------------|---------------------|
| C6010269 | 1/0 | 10 lb. / 4.5 kg. | #6 Sol. Cu. (0.162") | 795MCM ACSR (1.14") |
| C6010270 | 2/0 | 11 ¹ / ₂ lb. / 5.2 kg. | | |

35 kV Set

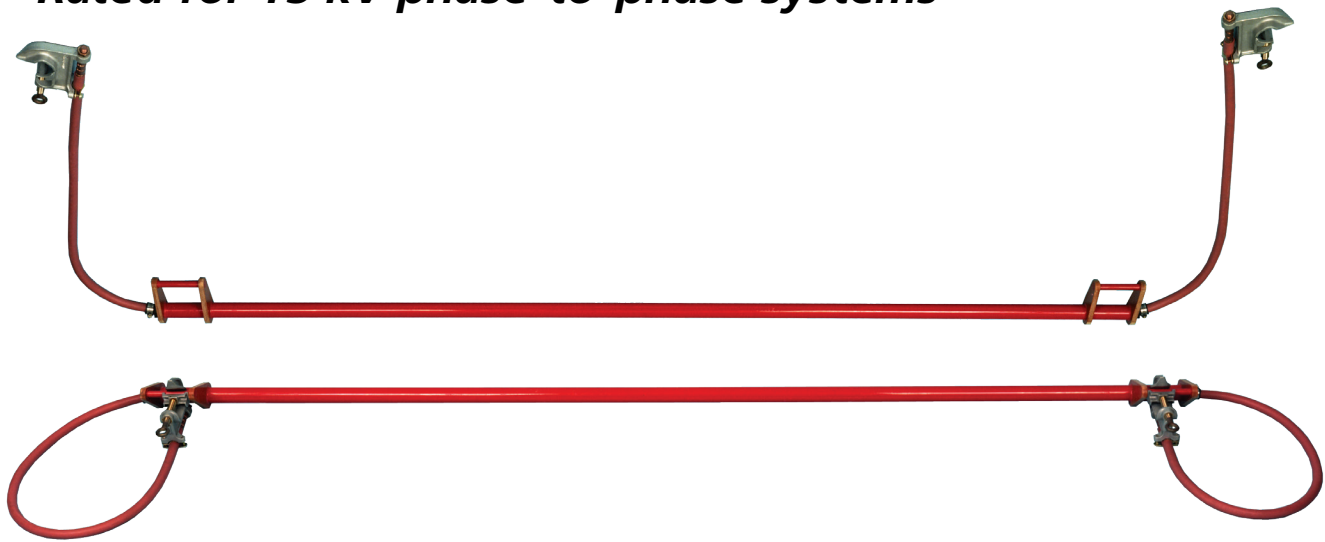
Style I, Type I, Class A

per ASTM F 2321 Standard Specification

| | | | | |
|----------|-----|--|----------------------|----------------------|
| C6010271 | 1/0 | 15 ¹ / ₂ lb. / 7 kg. | #6 Sol. Cu. (0.162") | 954MCM ACSR (1.165") |
|----------|-----|--|----------------------|----------------------|

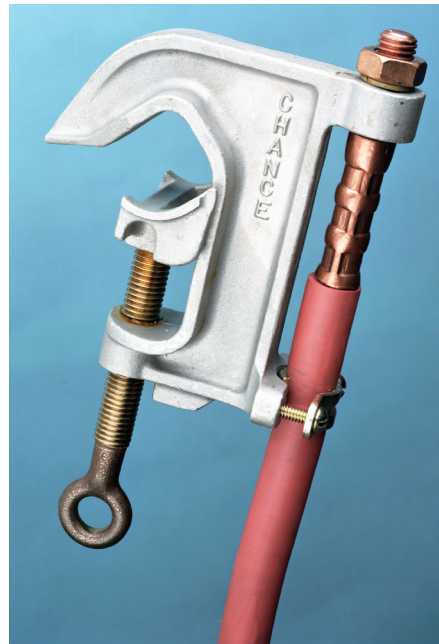
Insulated By-Pass Jumpers

- *Rated for 15 kV phase-to-phase systems*



Features & Applications

- Center support for easy application
- Available in four jumper-cable sizes
- Features mid-span orange 8'-long epoxy-resin, fiberglass-reinforced-plastic (FRP) tube
- Rigid 1-1/2"-O.D. tube serves as a support for easy handling of jumper set by rubber gloves or hot-line tools
- This makes the unit especially handy when jumpering switchgear, reclosers or cutting in double deadends
- Completely pre-assembled
- Two non-metallic hangers – one at each end of the FRP support tube
- These hangers provide for parking the by-pass clamps while moving the jumper set into or out of the work area since the 16'-long jumper cable (with EPR jacket) is secured where it exits the FRP tube, 4' of cable extend from both ends of the rigid support
- Threaded compression assemblies – each comprising a connector, nut and lockwasher, all of copper – are applied at the cable ends
- Two clamps (each a CHANCE C6001743) also come installed with cable strain-relief clamps to complete the by-pass jumper set



Ordering Information

Insulated Jumper Sets

Each: 16-ft. overall length (includes 8-ft. tube) with two C6001743 clamps applied on cable by copper connector assemblies

| Catalog Number | Cable Size, AWG | Continuous Current Rating | Weight (lb./kg.) |
|----------------|-----------------|---------------------------|------------------|
| C6010260 | #2 – 15kV | 200 amperes | 27/12.15 |
| C6010261 | 1/0 – 15kV | 260 amperes | 29/13.05 |
| C6010262 | 2/0 – 15kV | 300 amperes | 32/14.4 |
| C6010263 | 4/0 – 15kV | 400 amperes | 37/16.65 |

Clamp Specifications

- Aluminum body with smooth jaws
- Bronze eyescrew with fine threads

Recommended Torque 250 inch-pounds

Main Line Range:

Minimum #6 Solid Copper (0.162")
Maximum 1590 kcmil ACSR (1.5")

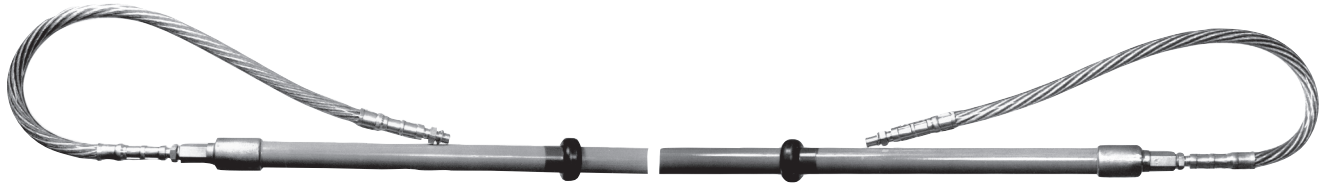
Terminal threads 5/8"-11 UNC

(plus cable strain-relief clamps)



34.5 kV By-Pass Jumpers

20 kV Phase-to-Ground

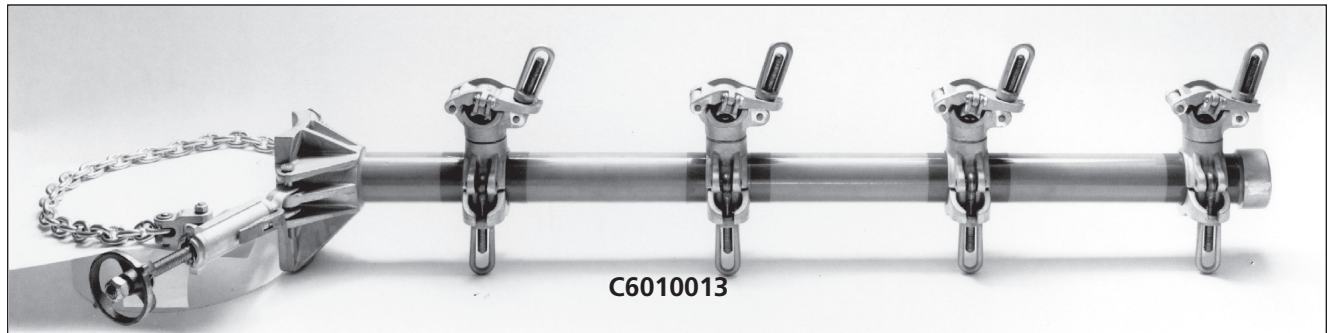


Features & Applications

- Solid aluminum rod is epoxi-sealed inside a polypropylene tube
- Tube is silicone-sealed inside a 1-1/2" CHANCE Hot Stick handle
- Brass couplings are threaded onto the end of the solid rod, pinned and 3' of 4/0, clear
- Jacketed grounding cable is threaded into the coupling.
- Current capacity is 400 amps

| Catalog No. | Description | Approx. Wt. |
|-------------|--|------------------|
| C6010036 | 8' Epoxiglas, 14' Over-all w/ Threaded Stud Terminals | 18 lb./ 8.1 kg. |
| C6010037 | 10' Epoxiglas, 16' Over-all w/ Threaded Stud Terminals | 21 lb./ 9.5 kg. |
| C6010038 | 12' Epoxiglas, 18' Over-all w/ Threaded Stud Terminals | 24 lb./ 10.8 kg. |

JUMPER CABLE SUPPORT



- Four swivel-action clamp assemblies with a cable diameter capacity of from 3/4" to 1-1/2" provide a non-slip grip for jumper cables
- Prevents sagging secondaries and cables touching the ground
- Each clamp is rated to carry 75 lbs.
- Epoxiglas® arm is 2-1/2" in diameter by 4' long and includes wheel tightener for pole mounting

| Catalog No. | Description | Weight |
|-------------|-----------------------------|-----------------|
| C6010013 | Cable Support, wheel binder | 25 lb./11.3 kg. |

INSULATED HANGER

- Serves as convenient parking stand for linemen installing Jumper Clamps or Grounding Clamps on lines up to 34.5 kV
- 1-1/4" x 15" Epoxiglas® pole provides the insulated section
- Bronze double stud fitting is 1/2" x 3-1/2" on each side
- If weather sheds are required, please order catalog number PSS16007006

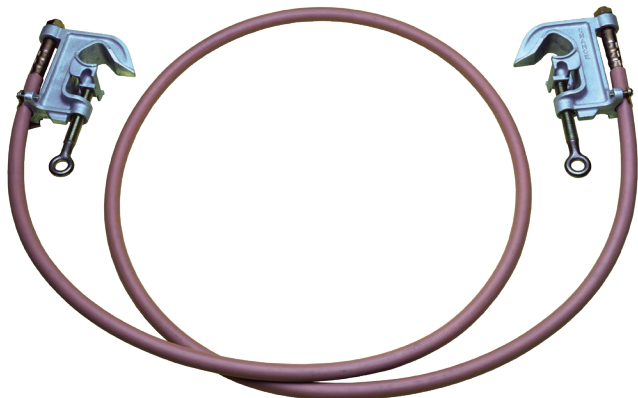
| Catalog No. | Conductor Range | | Weight |
|-------------|-----------------|-----------------|-------------------|
| | Max. | Min. | |
| S16007 | 636 MCM ACSR | #8 Solid Copper | 2 1/4 lb./1.0 kg. |



Insulated Jumper Sets for 15kV hotstick applications

Features & Applications

- Meet ASTM F 2321 Standard Specification
- Eight popular sets below serve most applications
- Other clamps and cable combinations available upon request



**Reference
15 kV Jumper Cable**

| Size, AWG | Continuous Current Rating, Amperes | Reference Cat. No. |
|-----------|------------------------------------|--------------------|
| #2 | 200 | S10043 |
| 1/0 | 260 | S10044 |
| 2/0 | 300 | S10045 |
| 4/0 | 400 | S10046 |

- Ampacity ratings are based on 90°C conductor temperature at 40°C ambient
- AWG size and voltage rating are embossed at 4' intervals on EPR (ethylene-propylene) insulated jacket
- Insulation and conductor screen meet and exceed ICEA-NEMA standard S-68-516
- Extra-flexible conductors are alloy-coated copper-stranded rope per ASTM B-189 or B-33

- Two C-type aluminum grounding clamps with smooth jaws and bronze eyescrews
 - Cat. No. C6001743 (see Catalog Section 3000)
 - Main Line Range: #6 solid copper (0.162") through 1590kcmil ACSR (1.50")
- 15kV EPR-insulated jumper cable
 - Choice of four sizes
 - Choice of 12- or 15-foot length
- Two threaded copper compression ferrules
 - Installed on cable selected
 - Assembled to clamps

Ordering Information

Each set includes cable in length listed assembled by two crimp connectors to two clamps.

#2 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

| Catalog No. | Cable Length | Weight |
|-------------|--------------|---|
| T6010281 | 12 feet | 8 ³ / ₄ lb. / 4 kg. |
| T6010282 | 15 feet | 10 lb. / 4.5 kg. |

1/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

| | | |
|----------|---------|--|
| T6010283 | 12 feet | 10 ² / ₃ lb. / 4.8 kg. |
| T6010284 | 15 feet | 12 ¹ / ₂ lb. / 5.6 kg. |

2/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

| | | |
|----------|---------|------------------|
| T6010285 | 12 feet | 12 lb. / 5.4 kg. |
| T6010286 | 15 feet | 16 lb. / 6.4 kg. |

4/0 Cable Sets Style II, Type II, Class A per ASTM F 2321 Standard Specification

| | | |
|----------|---------|------------------|
| T6010287 | 12 feet | 16 lb. / 7.3 kg. |
| T6010288 | 15 feet | 19 lb. / 8.7 kg. |



Load-Pickup Tool for 15kV systems



Features & Applications

- Rated for loads as high as 250 amperes
- Fits #6 Copper through 795 kcmil ACSR
- Can be used to pickup loads and carry 250 Amps at 15kV
- Rubber gloves should be worn while installing
- Head has a floating washer to minimize conductor damage as jaws are installed
- Contacts are spring loaded and can be closed by pulling an insulated lanyard, putting the operator away from the tool during pickup operations
- Positive contact operation
- Tool cannot be used as a load-break tool as the operator cannot open the contacts while the tool is on the conductor
- Fiberglass rod, attached to the end of the lanyard, is used to recock the contacts
- Because it must be inserted through head of tool, lineman must remove tool from conductor before recocking
- Orange-tinted translucent Lexan® housing permits easy visual inspection
- Nylon handguard is used to keep lineman's hand away from energized area
- By simply removing two screws in handguard, the tool can be disassembled for inspection and maintenance
- All current carrying parts are copper or copper alloy and contacts are silver plated
- Recommended 15kV jumper cables for this tool are #2 and 1/0
- Recommended that Load-Pickup Tool be inspected and cleaned after 25 operations or after 90 days
- Clean all plastic parts with a soft cloth, damp with ethyl alcohol only



Closing the Contacts



Recocking The Contacts

- Electrical Ratings: Nominal 15kV 3-phase or 8.3kV single phase circuits; 250 amps continuous current
- Main Line Range: #6 Copper (0.162") minimum through 795 kcmil ACSR (1.108") maximum

- Contacts are opened by passing the recocking rod through head on tool and pushing plunger to fully opened position
- Operation cannot be completed when tool is connected to conductor

For pre-assembled Load-Pickup Tool/Jumper Cable sets, see page 2310.
For Cable and Connector Assemblies see page 2305.

| Catalog Number | Description | Weight |
|----------------|------------------------------|-----------------|
| C4031631 | Load-Pickup Tool only | 6.4 lb./2.9 kg. |

Load-Pickup Tool Sets with Clear Jumper Clamp Pre-assembled for 15kV systems

Features & Applications

- Rated for loads as high as 250 amperes
- Include load-pickup device, jumper clamp, 15 kV cable
- Rated to pickup and carry 250-amp loads at 15kV
- Each completely assembled set consists of Load-Pickup Tool, Clear Jumper Clamp, 15 kV Jumper Cable and cable connectors
- Load-Pickup Tool and Clear Jumper Clamp fit conductors from #6 Copper (0.162") through 795 ACSR kcmil (1.108")
- Four standard sets include options for 10' or 12' lengths of either #2 or 1/0 Jumper Cable
- Other pre-assembled sets are available
- These sets combine other CHANCE-Jumper Clamps, other sizes and lengths of Jumper Cable and appropriate connectors (Catalog pages 2302 and 2306)
- Individual components also may be ordered for customer assembly of various combinations.

Operation & Maintenance

- Load-Pickup Tool cannot be used to break loads because operator cannot open contacts while Tool is installed on conductor
- To recock contacts, operator inserts fiberglass rod through head of Tool to push plunger to fully-opened position
- Rod is supplied attached to end of operating lanyard
- Pulling this insulated lanyard closes the spring-loaded contacts
- Positive contact operation
- Bearing-type floating washers in jaws of Tool and Jumper Clamp assure secure gripping but minimal scoring of conductors during installation
- **WARNING:** Adequate rubber gloves must be worn when using this equipment
- Clean and inspect Load-Pickup Tool after every 25 operations or at least once every 90 days
- Clean all plastic parts with a soft cloth dampened with only ethyl alcohol
- To disassemble Tool, simply remove two screws in handguard

Construction Features

Load-Pickup Tool:

- Orange-tinted translucent Lexan® housing permits easy visual inspection
- Current-carrying parts of Copper or Copper alloy
- Contact points are silver plated
- Handguard of high-impact Nylon keeps hand away from energized area

Jumper Clamp:

- Current-carrying parts of Copper alloy
- Handles of high-impact clear polycarbonate
- Wide handguard flange keeps hand away from energized area



Recocking the Contacts



Closing the Contacts



ALL UNITS

Electrical Ratings: Nominal 15kV 3-phase or 8.3kV single phase circuits.

Jumper Clamp: #6 Copper (0.162") minimum through 795 kcmil ACSR (1.108") maximum.

| Catalog No. | Cable Length | 15 kV Cable Size | Continuous Current | Weight (lb./kg.) |
|--------------|--------------|------------------|--------------------|------------------|
| PSC4031557CL | 10 ft. | #2 | 200 amps | 17.75/8.05 |
| PSC4031558CL | 12 ft. | #2 | 200 amps | 19.62/8.89 |
| PSC4031559CL | 10 ft. | 1/0 | 250 amps | 20.8/9.43 |
| PSC4031560CL | 12 ft. | 1/0 | 250 amps | 23.28/10.55 |



Load-Pickup Tool Sets

Pre-assembled for 15kV systems

Features & Applications

- Rated for loads as high as 250 amperes
- Include load-pickup device, jumper clamp, 15 kV cable
- Rated to pickup and carry 250-amp loads at 15kV
- Each completely assembled set consists of Load-Pickup Tool, Jumper Clamp, 15 kV Jumper Cable and cable connectors
- Load-Pickup Tool and Jumper Clamp fit conductors from #6 Copper (0.162") through 795 ACSR kcmil (1.108")
- Four standard sets include options for 10' or 12' lengths of either #2 or 1/0 Jumper Cable
- Other pre-assembled sets are available
- These sets combine other CHANCE-Jumper Clamps, other sizes and lengths of Jumper Cable and appropriate connectors (Catalog pages 2302 and 2306)
- Individual components also may be ordered for customer assembly of various combinations.

Operation & Maintenance

- Load-Pickup Tool cannot be used to break loads because operator cannot open contacts while Tool is installed on conductor
- To recock contacts, operator inserts fiberglass rod through head of Tool to push plunger to fully-opened position
- Rod is supplied attached to end of operating lanyard
- Pulling this insulated lanyard closes the spring-loaded contacts
- Positive contact operation
- Bearing-type floating washers in jaws of Tool and Jumper Clamp assure secure gripping but minimal scoring of conductors during installation
- **WARNING:** Adequate rubber gloves must be worn when using this equipment
- Clean and inspect Load-Pickup Tool after every 25 operations or at least once every 90 days
- Clean all plastic parts with a soft cloth dampened with only ethyl alcohol
- To disassemble Tool, simply remove two screws in handguard

Construction Features

Load-Pickup Tool:

- o Orange-tinted translucent Lexan® housing permits easy visual inspection
- o Current-carrying parts of Copper or Copper alloy
- o Contact points are silver plated
- o Handguard of high-impact Nylon keeps hands away from energized area

Jumper Clamp:

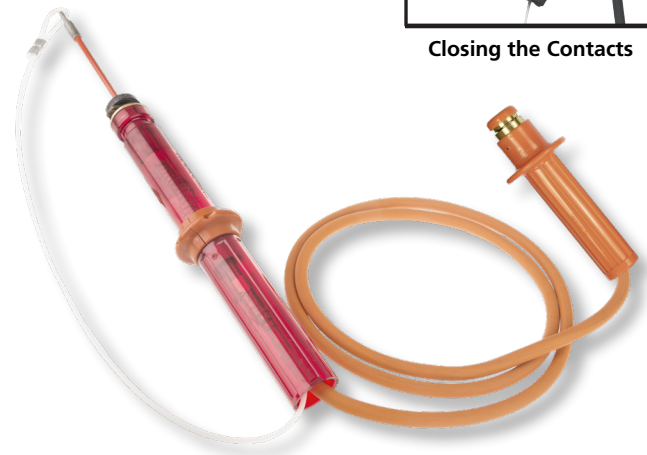
- o Current-carrying parts of Copper alloy
- o Handles of high-impact Polyethylene
- o Wide handguard flange keeps hands away from energized area



Recocking the Contacts



Closing the Contacts



| ALL UNITS | | | | |
|--|--------------|------------------|--------------------|------------------|
| Electrical Ratings: Nominal 15kV 3-phase or 8.3kV single phase circuits. | | | | |
| Jumper Clamp: #6 Copper (0.162") minimum through 795 kcmil ACSR (1.108") maximum. | | | | |
| Catalog No. | Cable Length | 15 kV Cable Size | Continuous Current | Weight (lb./kg.) |
| C4031557 | 10 ft. | #2 | 200 amps | 17.75/8.05 |
| C4031558 | 12 ft. | #2 | 200 amps | 19.62/8.89 |
| C4031559 | 10 ft. | 1/0 | 250 amps | 20.8/9.43 |
| C4031560 | 12 ft. | 1/0 | 250 amps | 23.28/10.55 |

Temporary Cutout Tools for 15kV and 27kV

Features & Applications

- To provide fuse protection during live-line maintenance, temporary cutout tool simply clamps onto primary conductor with a Grip-All clampstick
- Brass stud at lower end accepts clamp on temporary tap jumper
- Insulated bushing and hot parts are from CHANCE Type C-Polymer cutouts
- Upper contact with integral sleet shield and hooks for operation by loadbreak tool and lower trunnion of cast bronze
- Fusetube must be fitted with fuselink rated no larger than 100 amps
- Available in ratings for 15kV and 27kV systems
- Tools come with or without a pivot-lever closing device
- 250 in.-lb. torque for clamp eyescrew

Standard Type

Fuse Tube 100 Amps Continuous Current

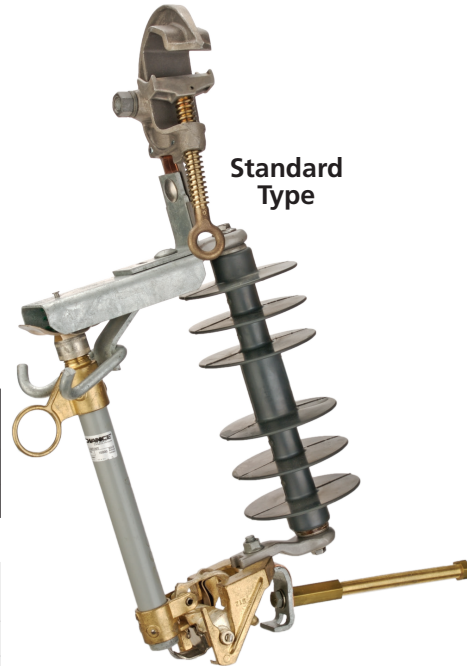
| Catalog Number | REPLACES Cat. No. | System Class | Interrupt Capacity | Weight (lb/kg.) | Fuseholder Replacement |
|----------------|-------------------|--------------|--------------------|--------------------------------------|------------------------|
| PSC6010341 | C6001895 | 15kV | 10,000 Amps | 7 ¹ / ₄ / 3.3 | T710112T |
| PSC6010342 | C6001896 | 27kV | 8,000 Amps | 10 ¹ / ₂ / 4.8 | T710211T |

Solid Blade 300 Amps Continuous Current

| Catalog Number | REPLACES Cat. No. | System Class | Momentary Capacity | Weight (lb/kg.) | Solid Blade Replacement |
|----------------|-------------------|--------------|--------------------|--------------------------------------|-------------------------|
| PSC6010343 | C6002862 | 15kV | 12,000 Amps | 8 ¹ / ₄ / 3.7 | T710133T |
| PSC6010344 | C6002863 | 27kV | 12,000 Amps | 11 ¹ / ₂ / 5.2 | T710233T |

All Models include Clamp C6002275 at top with these specifications:

| Main Line Range | | Tap Stud |
|-------------------------|----------------------------|---------------|
| Minimum | Maximum | |
| #6 Sol. Cu. (0.162") | 1033 kcmil ACSR (1.25") | 1/2" diameter |

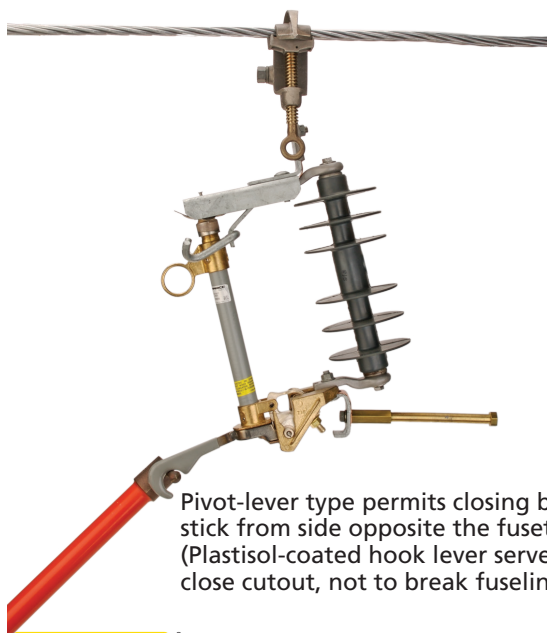


Standard Type



Pivot-Lever Type

| Catalog No. | REPLACES Cat. No. | System Class | Weight |
|-------------|-------------------|--------------|--|
| PSC6010345 | C6001944 | 15kV | 8 ³ / ₄ lb. / 3.97 kg. |
| PSC6010346 | C6001945 | 27kV | 12 lb. / 5.44 kg. |



Pivot-lever type permits closing by disconnect stick from side opposite the fusetube. (Plastisol-coated hook lever serves only to close cutout, not to break fuselink.)



Temporary Load Disconnect Tools

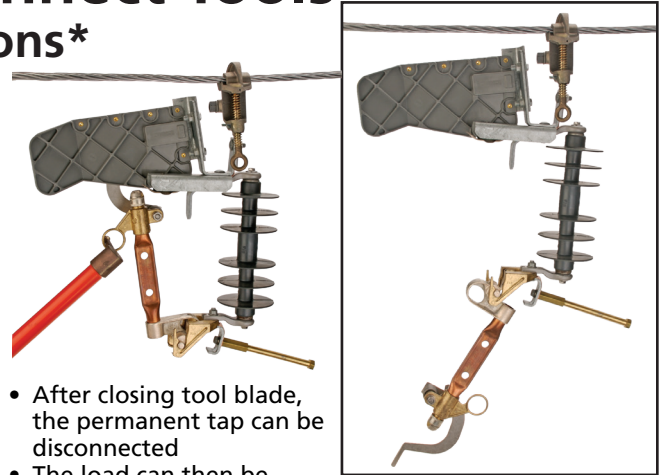
8.3/15kV & 15/27kV applications*

Features & Applications

- Available in two sizes
- Provides a temporary means of connecting and disconnecting equipment or circuits under load conditions
- Design does not have a fuse and does not provide protection for fault or overcurrent conditions
- Insulated bushing and hot parts are from CHANCE Type C-Polymer cutouts, including tubular-copper disconnect blade
- Arc-chute-type interrupter gives tool excellent loadbreak capability
- To interrupt load currents, device employs a stainless-steel auxiliary blade within Delrin® arc chute
- Tool simply clamps onto primary conductor with a Grip-All clampstick. Bronze stud at lower end accepts clamp on temporary tap jumper
- 250 in.-lb. torque for clamp eyescrew

Operation

- Self-contained loadbreak device operates by simple disconnect stick
- No special or portable tools are required to operate unit
- To break current, insert a disconnect stick into operating ring and rapidly open device
- When opening, spring-loaded auxiliary blade snaps out through the arc chute to elongate, cool and extinguish the confined arc
- Loadbreaking operation is independent of the disconnect stick speed
- To provide a clearly visible break, the disconnect blade hangs in approximately a vertical position
- Unfused or unswitched loads can be disconnected by first installing this tool and a temporary bypass jumper in parallel with permanent tap connection



- After closing tool blade, the permanent tap can be disconnected
- The load can then be dropped or reconnected by operating blade tool
- It should never be closed into a fault or opened during a fault

Installation & Removal

- To install the tool, first remove its main blade
- Next, secure both clamps of suitable temporary jumper onto tap stud of tool's lower hinge
- Use a Grip-All clampstick to install tool onto main line conductor
- Use clampstick to secure one of the jumper clamps onto line with load to be picked up
- Use disconnect stick to place blade in lower hinge of tool
- Use disconnect stick in operating ring to close blade according to safe work procedures
- Take care when removing disconnect stick to avoid opening blade
- The equipment or circuit is now energized through the tool
- Before removing tool, first make up a permanent connection so there are two energizing paths
- Use a disconnect stick in the operating ring to open the blade according to safe work procedures and to remove blade from lower hinge of the tool
- Use a clampstick to take jumper clamp from conductor and secure it on tool stud
- Then use the clampstick to remove the tool from the main line conductor



Temporary Load Disconnect Tools

Both models include protective carrying case and illustrated operating and maintenance instructions.

Specifications (both models)

Max. loadbreak current: 300 amps

Max. momentary rating: †12,000 asym amps

†This is a pass-through fault-current rating only. The tool should never be opened or closed when the current exceeds the maximum continuous load current of 300 amps.

Main line range (both models)

Minimum: #6 solid copper (0.162" dia.)

Maximum: 1033 kcmil ACSR (1.25" dia.)

Tap stud: 1/2" diameter

| Catalog No. | REPLACES Cat. No. | Description | Disconnect Blade | Arc-Chute Assy. |
|-------------|-------------------|--|------------------|-----------------|
| PSC6010347 | C6002386 | *8.3/15kV Temporary Load Disconnect Tool | T730133T | E7300009P |
| PSC6010348 | C6002387 | *15/27kV Temporary Load Disconnect Tool | T730233T | |

*For application on single-phase-to-neutral or three-phase solidly-grounded wye-connected circuits where recovery voltage does not exceed the max. design voltage of the device.



Tension Puller Switching Tool

Features & Applications

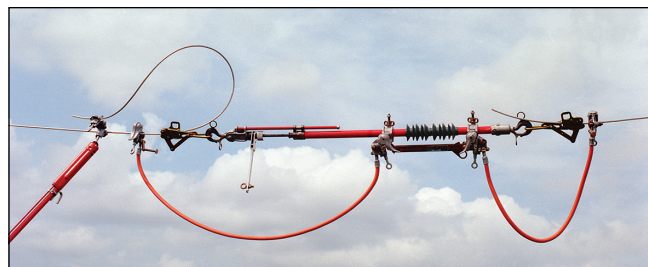
- Tested per OSHA & ASTM F711
- For line tension up to 4,000 lbs. with manual hookstick switch
- Maximum ratings: 35 kV Ø-Ø, 600 amps continuous, 150 kV BIL
- Permits a live overhead distribution line to be cut
- By bearing the mechanical load, it helps create a parallel circuit
- This averts service interruption while the cutting and related work are performed
- May be applied wherever disconnect switch is desired for temporary sectionalizing
- Tool is properly rated concerning line tension, continuous current, BIL and system voltage
- Applications that require cutting a conductor include:
 - o Deadend-structure construction
 - o Overhead switch installation on a structure
 - o In-line switch installation
- Combines two CHANCE products: Epoxiglas® insulated

- tension puller and LTD® line-tension disconnect switch
- For this special tool, weathershed skirts of a tough, lightweight polymer have been bonded to the tension puller's 1-1/2"-diameter Epoxiglas pole
- At both skirt ends, a locating pin aligns a compression clamp to secure switch hot parts to pole
- A bypass stud (1/2"-dia.) added at each end of switch accepts clamps up to 3" wide
- Rigid, H-frame copper switch blade opens to a standard 90°, or to 180° with stop pin removed
- Contact areas are silver-plated for high conductivity
- Galvanized-steel hooks are provided for use with a portable loadbreak device
- For easy opening and icebreaking, pull ring (1-1/4"-dia. eye) activates latch as a pry-lever
- Hooks on ends are fixed and do not swivel
- Safety latch on hooks has a spring-loaded gate able to rotate 135 degrees left or right from closed position
- Selector lever on ratchet wrench is extra large for easier operation by hot line tools



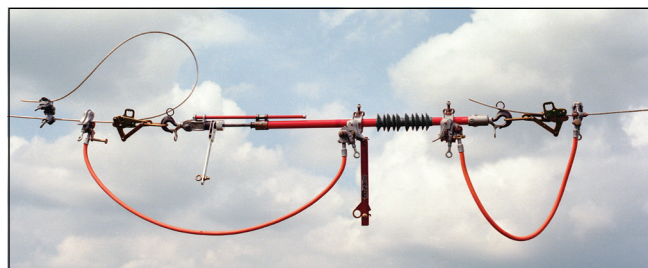
Installation & Operation

- Equipped with rings, tool may be handled and operated by hot-line tools or rubber-glove live-line techniques
- Illustrated instructions included with each unit give application considerations and procedures for installation, operation and maintenance
- Suspended from hot-line wire grips with the disconnect switch closed, tension puller works like a jack
- Operating the ratchet wrench brings the tool's two ends closer
- This reduces tension on the conductor between the tool's hooks
- Hot line jumpers sized to the application are installed on the conductor and the tool's bypass studs to create a parallel circuit
- Before cutting the conductor, it is securely restrained
- Once cut, its long tail is clamped back onto itself
- A properly rated portable loadbreak device may now be hung on the tool's disconnect hooks and used to open the switch
- Refer to ANSI C37.35 IEEE Guide for the Application, Installation, Operation and Maintenance of High



Voltage Air Disconnecting and Load Interruption Switches

- For proper installation, select from four sizes of hot-line wire grips shown on CHANCE catalog page 1258 and the full range of jumper equipment in this section
- To secure cut end of conductor, tie back clamp C4000600, shown on CHANCE catalog page 2264, fits conductors ranging from #4 to 397.4 kcmil ACSR



Operate disconnect switch with **only** a portable loadbreak tool.

Specifications

| | |
|-------------------------|----------------------------------|
| Capacity: | 4,000 lb. (1,800 kg.) |
| Working Range: | 58 to 70 in. (1,473 to 1,778 mm) |
| Maximum Take-up: | 12 in. (305 mm) |
| Insulation: | |
| Minimum | 24 in. (610 mm) |
| Maximum | 36 in. (914 mm) |
| Length: | 60 in. (1,524 mm) |

| Catalog No. | Description | Weight |
|-------------|-------------------------------|------------------|
| C4001907 | Tension Puller Switching Tool | 22 lb. / 9.9 kg. |



HUBBELL[®]
Power Systems, Inc.

• 210 N. Allen St. • Centralia, MO 65240 • (573) 682-5521

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