

NEW ZEALAND INSULATORS



TEMUKA

The background of the entire page is a close-up photograph of a woodturning process. A lathe is spinning a piece of wood, creating a series of concentric, blurred rings. A metal tool is visible, working on the wood, and a pile of wood shavings is in the foreground. The image is split diagonally by a white line, with the top right and bottom right sections being solid teal.

# 2023 CATALOGUE



This 2023 updated catalogue showcases part of the current range of products that New Zealand Insulators is offering ex-stock, in 2023.

Our range has been expanded and reconfigured to include additional products offered by Bussmann by Eaton, DTR, Fulton, Avon, Payer, GIG, Polesaver, Long Controls, Narada, CTC and Poinasa.

These agency products are held and distributed in New Zealand by NZI from our HQ and factory in Temuka, South Canterbury plus our Auckland distribution centre in Kumeu, Auckland.

In the following pages you will also find an extensive range of NZI porcelain products, all made in our Temuka factory, South Canterbury, New Zealand.

We have continued to expand NZI's range proposition beyond just porcelain insulators – although New Zealand manufactured Insulators remains a core product offering.

This catalogue encompasses the Low Voltage and Medium Voltage range of standard products.

Copies of this catalogue are freely available through NZI or via our website.

Our sales team can provide separate trade pricing for LV products or special MV pricing (on request).

This 2023 catalogue is also available as a PDF file both in its entirety and by brand, online at [www.nzinsulators.co.nz](http://www.nzinsulators.co.nz)

PDF drawings for many of the products can also be downloaded from the NZI website.

As our product range increases during 2023, we'll continue to use the "NZI – Network Updates" in the ElectroLink magazine, to update you all on developments.

Our focus is supporting customers and the electrical industry by sustainably manufacturing quality porcelain and electrical fittings complimented with reputable agencies, whilst providing outstanding service and innovation.

Thank you all for supporting New Zealand Insulators.

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# AVON SHACKLES & NZI Reel BUNDLES

|                                                                                                           |                                                                                                           |                                                                                                               |                                                                                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <br>7" Shackle           | <br>#11 Shackle          | <br>#8 Offset Shackle        |                                                                                                               |
| <br>U Shackle Small      | <br>U Shackle Large      | <br>U Shackle Extra Large    |                                                                                                               |
| <br>210 U-Shackle Bundle | <br>205 U-Shackle Bundle | <br>210 Shackle-Strap Bundle | <br>205 Shackle-Strap Bundle |

## SHACKLE STRAPS & U SHACKLES

| Part Number           | Description                            | Brand | Origin | Length (mm) | Width (mm) | Thick (mm) | Holes | HDG (mm)     | Unit | Weight | Box Qty | Drawing |
|-----------------------|----------------------------------------|-------|--------|-------------|------------|------------|-------|--------------|------|--------|---------|---------|
| <b>Shackle Straps</b> |                                        |       |        |             |            |            |       |              |      |        |         |         |
| 537004                | Avon AA20001 Shackle Strap 7"          | Avon  | NZ     | 180         | 32         | 3          | 14    | To 4680:2006 | Each | 140g   | 100     | AA20001 |
| 537012                | Avon AA20009 Shackle Strap #11         | Avon  | NZ     | 170         | 30         | 2          | 14    | To 4680:2006 | Each | 85g    | 200     | AA20009 |
| 537020                | Avon AA20011 Shackle Strap #8 Offset   | Avon  | NZ     | 180         | 32         | 3          | 18    | To 4680:2006 | Each | 130g   | 100     | AA20011 |
| <b>U Shackles</b>     |                                        |       |        |             |            |            |       |              |      |        |         |         |
| 537039                | Avon AA23001 210 U Shackle Small       | Avon  | NZ     | 85          | 32         | 3          | 14    | To 4680:2006 | Each | 160g   | 100     | AA23001 |
| 537047                | Avon AA23002 205 U Shackle Large       | Avon  | NZ     | 105         | 32         | 3          | 14    | To 4680:2006 | Each | 210g   | 50      | AA23002 |
| 537063                | Avon AA23003 320 U Shackle Extra Large | Avon  | NZ     | 132         | 40         | 5          | 14    | To 4680:2006 | Each | 500g   | 30      | AA23003 |

## PRE-ASSEMBLED REEL BUNDLES

| Part Number                             | Description                                             | Brands   | Origin | Status    | Unit   | Weight | Box Qty |
|-----------------------------------------|---------------------------------------------------------|----------|--------|-----------|--------|--------|---------|
| <b>Reel &amp; Shackle Strap Bundles</b> |                                                         |          |        |           |        |        |         |
| 102148                                  | NZI 210 Reel + Avon 7" Shackle Strap + 2 x M12 110 Bolt | NZI/Avon | NZ     | Assembled | Bundle | 750g   | 20      |
| 102180                                  | NZI 205 Reel + Avon 7" Shackle Strap + 2 x M12 110 Bolt | NZI/Avon | NZ     | Assembled | Bundle | 1.1kg  | 10      |
| <b>Reel &amp; U Shackle Bundles</b>     |                                                         |          |        |           |        |        |         |
| 102121                                  | NZI 210 Reel + Avon Small U Shackle + M12 110 Bolt      | NZI/Avon | NZ     | Assembled | Bundle | 550g   | 20      |
| 102156                                  | NZI 205 Reel + Avon E/Large U Shackle + M12 110 Bolt    | NZI/Avon | NZ     | Assembled | Bundle | 1.2kg  | 10      |







220



220 Top View



205



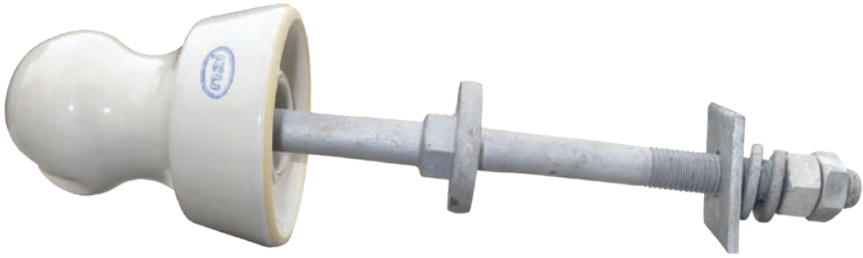
210



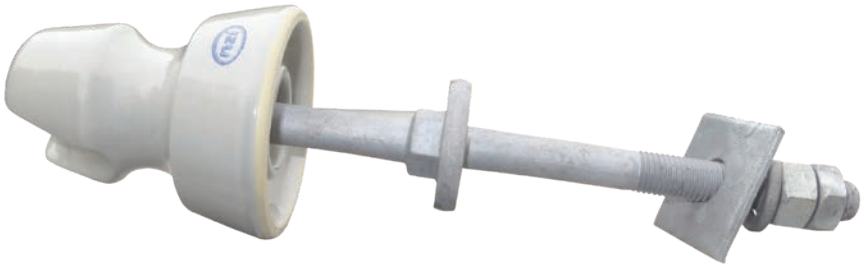
103 Spike

## LV PORCELAIN REELS & SPIKE

| Part Number  | Description   | Brand | Origin | Rated | Groove    | Load  | Fixing          | Glaze | Unit | Weight | Box Qty | Drawing   |
|--------------|---------------|-------|--------|-------|-----------|-------|-----------------|-------|------|--------|---------|-----------|
| <b>Reels</b> |               |       |        |       |           |       |                 |       |      |        |         |           |
| 109207       | NZI 210 Reel  | NZI   | NZ     | 650V  | 10mm      | 6kN   | 17.5mm Diameter | Grey  | Each | 220g   | 80      | S1331     |
| 109061       | NZI 220 Reel  | NZI   | NZ     | 650V  | 19mm      | 5.5kN | 17mm Diameter   | Grey  | Each | 295g   | 80      | S1332     |
| 109010       | NZI 205 Reel  | NZI   | NZ     | 3.3kV | 18mm      | 10kN  | 17.5mm Diameter | Grey  | Each | 540g   | 42      | S1330     |
| <b>Spike</b> |               |       |        |       |           |       |                 |       |      |        |         |           |
| 100501       | NZI 103 Spike | NZI   | NZ     | 650V  | 16mm Hole | 4kN   | Coach Screw     | Grey  | Each | 325g   | 50      | D267-0502 |



510 + Cordeau Spindle + Washer



511 + Cordeau Spindle + Washer



Preassembled



Full AX Fittings



16/Box

**PRE-ASSEMBLED LV INSULATOR BUNDLES**

| Part Number       | Description                                                          | Brands | Origin | Assembled    | Unit   | Weight | Box Qty |
|-------------------|----------------------------------------------------------------------|--------|--------|--------------|--------|--------|---------|
| <b>510 Bundle</b> |                                                                      |        |        |              |        |        |         |
| 102164            | NZI 510 Insulator + AX 5/8 Cordeau Spindle + AX Oiled Leather Washer | NZI/AX | NZ     | Preassembled | Bundle | 1.1kg  | 16      |
| <b>511 Bundle</b> |                                                                      |        |        |              |        |        |         |
| 102172            | NZI 511 Insulator + AX 5/8 Cordeau Spindle + AX Oiled Leather Washer | NZI/AX | NZ     | Preassembled | Bundle | 1.1kg  | 16      |



| LV PORCELAIN PIN-TYPE INSULATORS (TIE TOP) |                      |       |        |               |          |              |                   |              |      |        |             |           |
|--------------------------------------------|----------------------|-------|--------|---------------|----------|--------------|-------------------|--------------|------|--------|-------------|-----------|
| Part Number                                | Description          | Brand | Origin | Groove        | Top      | Line Voltage | Colour            | Thread       | Unit | Weight | Box/ Pallet | Drawing   |
| <b>LV Pin-Type Tie Top</b>                 |                      |       |        |               |          |              |                   |              |      |        |             |           |
| 102040                                     | NZI 510 (Round Top)  | NZI   | NZ     | 26mm          | Tie Top  | 0.4kV-3kV    | Grey              | 5/8" Cordeau | Each | 605g   | 30/1200     | S1003     |
| 102067                                     | NZI 511 (Square Top) | NZI   | NZ     | 32mm          | Tie Top  | 0.4kV-3kV    | Grey              | 5/8" Cordeau | Each | 600g   | 30/1200     | S1656     |
| Part Number                                | Description          | Brand | Origin | Length        | Strength | Diameter     | Head              | Thread       | Unit | Weight | Box/ Pallet | Drawing   |
| <b>Spindle for 510/511</b>                 |                      |       |        |               |          |              |                   |              |      |        |             |           |
| 540358                                     | 5/8 Cordeau Spindle  | AX    | China  | 118/145mm     | 3.3kN    | M16          | Steel             | 5/8" Cordeau | Each | 670g   | 30/1200     | D374-2009 |
| Part Number                                | Description          | Brand | Origin | Detail        |          | OD           | Internal Diameter |              | Unit | Weight | Pack Qty    |           |
| <b>Washer for 510/511</b>                  |                      |       |        |               |          |              |                   |              |      |        |             |           |
| 540234                                     | Leather Washer       | AX    | NZ     | Oiled Leather |          | 23mm         | 5/8" (15.9mm)     |              | Each | 1.2g   | 90          |           |

## NZI 1540 Pin-Type Tie Top &amp; Spindles



1540



R29



R31

## 11kV PORCELAIN PIN-TYPE INSULATORS (TIE TOP)

| Part Number                  | Description          | Brand | Origin | Creepage  | Top      | Groove   | Colour | Thread              | Unit | Weight | Box/<br>Pallet | Drawing   |
|------------------------------|----------------------|-------|--------|-----------|----------|----------|--------|---------------------|------|--------|----------------|-----------|
| <b>1540 Pin-Type Tie Top</b> |                      |       |        |           |          |          |        |                     |      |        |                |           |
| 104574                       | NZI 1540W            | NZI   | NZ     | 300mm     | Tie Top  | 32mm     | Grey   | BS Large Steel Head | Each | 2.0kg  | 6/144          | S1071-21  |
| Part Number                  | Description          | Brand | Origin | Length    | Strength | Diameter | Head   | Thread              | Unit | Weight | Box/<br>Pallet | Drawing   |
| <b>Spindles for 1540</b>     |                      |       |        |           |          |          |        |                     |      |        |                |           |
| 540463                       | AX R31 Steel Spindle | AX    | China  | 305/178mm | 10kN     | M22      | Steel  | BS Large Steel Head | Each | 2.9kg  | 6/288          | D374-2023 |
| 540706                       | AX R29 Steel Spindle | AX    | UK     | 230/152mm | 10kN     | M22      | Steel  | BS Large Steel Head | Each | 1.9kg  | 6/240          | D374-2110 |



1130W26



1130W32



1" NEMA Nylon



1" NEMA Lead



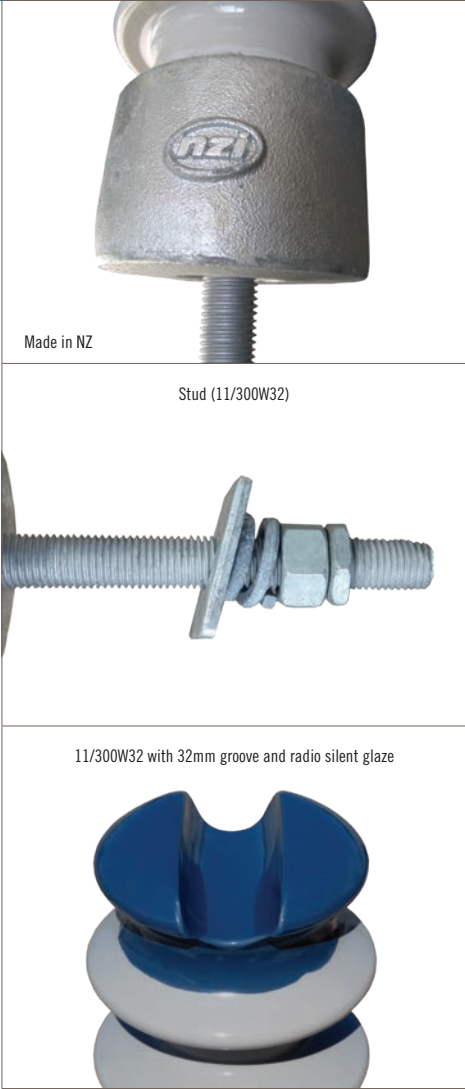
1130W26 Bundle



1130W32 Bundle

### 11kV PORCELAIN PIN-TYPE INSULATORS (TIE TOP)

| Part Number                | Description                         | Brand | Origin | Creepage  | Top      | Groove   | Colour | Thread           | Unit  | Weight | Box/ Pallet | Drawing   |
|----------------------------|-------------------------------------|-------|--------|-----------|----------|----------|--------|------------------|-------|--------|-------------|-----------|
| <b>11kV Pin Insulators</b> |                                     |       |        |           |          |          |        |                  |       |        |             |           |
| 103160                     | NZI 1130W (26mm Groove)             | NZI   | NZ     | 250mm     | Tie Top  | 26mm     | Grey   | 1 Inch SLHT      | Each  | 1.5kg  | 12/288      | S1022-24  |
| 104507                     | NZI 1130W (32mm Groove)             | NZI   | NZ     | 250mm     | Tie Top  | 32mm     | Grey   | 1 Inch SLHT      | Each  | 1.5kg  | 12/288      | S1022-24  |
| Part Number                | Description                         | Brand | Origin | Length    | Strength | Diameter | Head   | Thread           | Unit  | Weight | Box Qty     | Drawing   |
| <b>Spindles for 1130</b>   |                                     |       |        |           |          |          |        |                  |       |        |             |           |
| 536164                     | AX Nema 1" Nylon Spindle            | AX    | China  | 152/146mm | 6kN      | M20      | Nylon  | 1 Inch SLHT      | Each  | 1.0kg  | 12/480      | D374-2134 |
| 536326                     | AX Nema 1" Lead Spindle             | AX    | China  | 152/146mm | 6kN      | M20      | Lead   | 1 Inch SLHT      | Each  | 1.1kg  | 12/480      | D374-2118 |
| <b>1130 Bundles</b>        |                                     |       |        |           |          |          |        |                  |       |        |             |           |
| 103837                     | NZI 1130W26 + AX Nema Nylon Spindle |       |        |           |          |          |        | Assembled Bundle | 2.5kg | 6      |             | D750-0502 |
| 103934                     | NZI 1130W32 + AX Nema Nylon Spindle |       |        |           |          |          |        | Assembled Bundle | 2.5kg | 6      |             | D750-0502 |
| 103403                     | NZI 1130W26 + AX Nema Lead Spindle  |       |        |           |          |          |        | Assembled Bundle | 2.5kg | 6      |             | D750-0502 |
| 103438                     | NZI 1130W32 + AX Nema Lead Spindle  |       |        |           |          |          |        | Assembled Bundle | 2.5kg | 6      |             | D750-0502 |



Made in NZ

Stud (11/300W32)

11/300W32 with 32mm groove and radio silent glaze



11/300W32

11kV PORCELAIN LINE POST INSULATORS (TIE TOP)

| Part Number                   | Description               | Brand | Origin | Creepage | Top     | Groove | kN | Stud      | Glaze | Unit | Weight | Box/ Pallet | Drawing   |
|-------------------------------|---------------------------|-------|--------|----------|---------|--------|----|-----------|-------|------|--------|-------------|-----------|
| 11kV 300W32 Tie Top Line Post |                           |       |        |          |         |        |    |           |       |      |        |             |           |
| 460818                        | NZI 11kV 300W32 Line Post | NZI   | NZ     | 300mm    | Tie Top | 32mm   | 10 | 160mm M20 | Grey  | Each | 7.0kg  | 3/144       | D632-0551 |
| 464678                        | NZI 11kV 300W32 Line Post | NZI   | NZ     | 300mm    | Tie Top | 32mm   | 10 | 205mm M20 | Grey  | Each | 7.0kg  | 3/144       | D632-0560 |







11/400W32 400mm Creepage



11/420W32 Ultra Premium

## 11kV PORCELAIN LINE POST INSULATORS (TIE TOP)

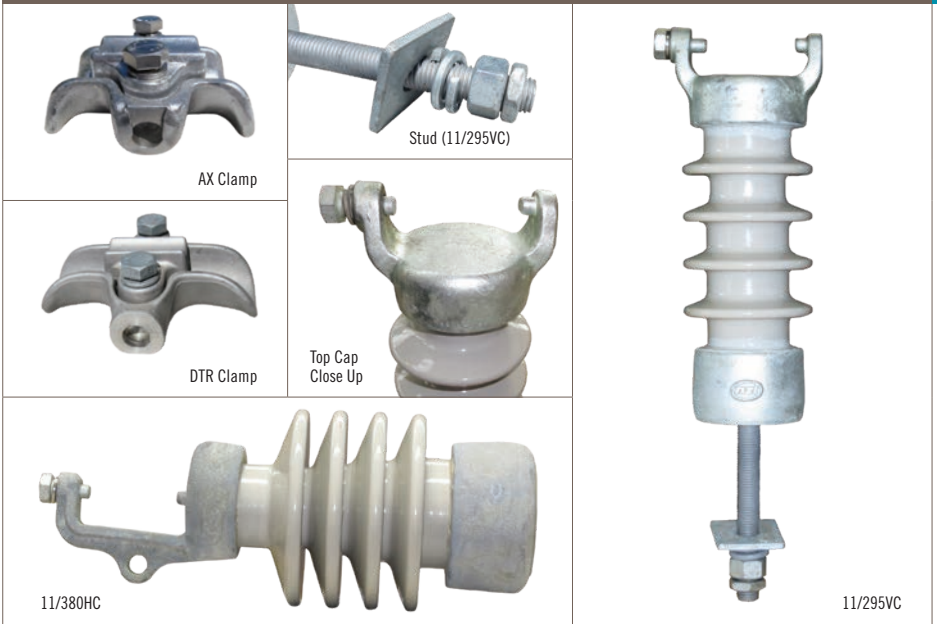
| Part Number                                        | Description               | Brand | Origin | Creepage | Top     | Groove | kN   | Stud      | Glaze | Unit | Weight | Box/ Drawing    |
|----------------------------------------------------|---------------------------|-------|--------|----------|---------|--------|------|-----------|-------|------|--------|-----------------|
| <b>11kV 400W32 Tie Top Line Post</b>               |                           |       |        |          |         |        |      |           |       |      |        |                 |
| 465577                                             | NZI 11kV 400W32 Line Post | NZI   | NZ     | 400mm    | Tie Top | 32mm   | 10   | 160mm M20 | Grey  | Each | 7.5kg  | 3/126 D632-0587 |
| 458006                                             | NZI 11kV 400W32 Line Post | NZI   | NZ     | 400mm    | Tie Top | 32mm   | 10   | 205mm M20 | Grey  | Each | 7.5kg  | 3/126 D632-0596 |
| <b>11kV 420W32 Ultra Premium Tie Top Line Post</b> |                           |       |        |          |         |        |      |           |       |      |        |                 |
| 464314                                             | NZI 11kV 420W32 Line Post | NZI   | NZ     | 420mm    | Tie Top | 32mm   | 17.5 | 160mm M20 | Grey  | Each | 8.4kg  | 1/40 D632-0564  |
| 464287                                             | NZI 11kV 420W32 Line Post | NZI   | NZ     | 420mm    | Tie Top | 32mm   | 17.5 | 190mm M20 | Grey  | Each | 8.4kg  | 1/40 D632-0565  |

## NZI 1132T Pin-Type Clamp Top & Spindle



### 11kV PORCELAIN PIN-TYPE INSULATOR (CLAMP TOP)

| Part Number                              | Description              | Brand | Origin | Creepage        | Top          | Clamp    | Glaze        | Thread              | Unit   | Weight  | Box/ Pallet | Drawing   |
|------------------------------------------|--------------------------|-------|--------|-----------------|--------------|----------|--------------|---------------------|--------|---------|-------------|-----------|
| <b>11kV Pin-Type Clamp Top</b>           |                          |       |        |                 |              |          |              |                     |        |         |             |           |
| 104175                                   | NZI 1132T Insulator      | NZI   | NZ     | 250mm           | Cap & Pintle | Separate | Grey         | BS Small Steel Head | Each   | 3.6kg   | 6/144       | D351-0502 |
| Part Number                              | Description              | Brand | Origin | Conductor Range | Length       | Width    | Construction | Unit                | Weight | Box Qty | Drawing     |           |
| <b>Clamp for 1132T (sold separately)</b> |                          |       |        |                 |              |          |              |                     |        |         |             |           |
| 465283                                   | AX 10-38mm Special Clamp | AX    | NZ     | 10-38mm         | 127mm        | 98mm     | Aluminium    | Each                | 450g   | 12      | D330-0503   |           |
| Part Number                              | Description              | Brand | Origin | Length          | Strength     | Diameter | Head         | Thread              | Unit   | Weight  | Box/ Pallet | Drawing   |
| <b>Spindle for 1132T</b>                 |                          |       |        |                 |              |          |              |                     |        |         |             |           |
| 540528                                   | AX R23 Spindle           | AX    | UK     | 170/130mm       | 10kN         | M18      | Steel        | BS Small Steel Head | Each   | 1.1kg   | 12/240      | D374-2027 |



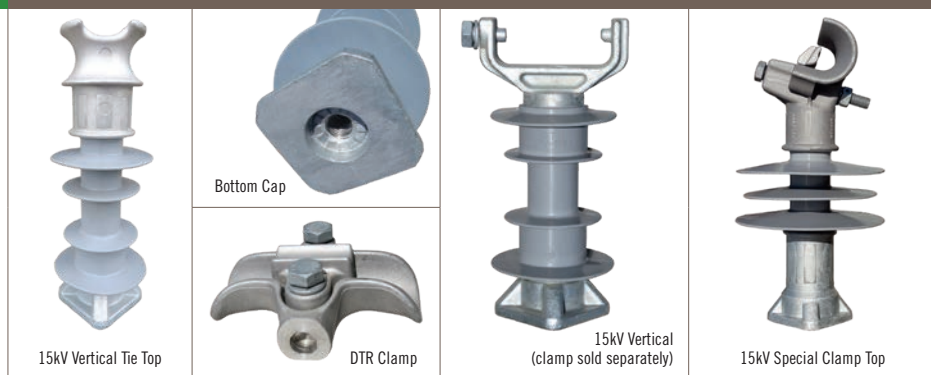
## 11kV PORCELAIN LINE POST INSULATORS (CLAMP TOP)

| Part Number                            | Description              | Brand | Origin | Creepage kN | Top | Clamp        | Glaze    | Stud     | Unit     | Weight | Box/ Pallet | Drawing        |
|----------------------------------------|--------------------------|-------|--------|-------------|-----|--------------|----------|----------|----------|--------|-------------|----------------|
| <b>11kV Vertical Clamp Line Post</b>   |                          |       |        |             |     |              |          |          |          |        |             |                |
| 464589                                 | NZI 11kV 295VC Line Post | NZI   | NZ     | 295mm       | 9.5 | Cap & Pintle | Separate | Grey M20 | Each     | 7.0kg  | 3/72        | D724-0526      |
| <b>11kV Horizontal Clamp Line Post</b> |                          |       |        |             |     |              |          |          |          |        |             |                |
| 462411                                 | NZI 11kV 380HC Line Post | NZI   | NZ     | 380mm       | 12  | Cap & Pintle | Separate | Grey     | Separate | Each   | 12.0kg      | 1/40 D725-0510 |

| Part Number                                                | Description                | Brand | Origin | Conductor Length Range | Width | Construction   | Unit | Weight | Box Qty | Drawing     |
|------------------------------------------------------------|----------------------------|-------|--------|------------------------|-------|----------------|------|--------|---------|-------------|
| <b>Clamp options for 11kV Line Posts (sold separately)</b> |                            |       |        |                        |       |                |      |        |         |             |
| 461792                                                     | AX 10-38mm Trunnion Clamp  | AX    | NZ     | 10-38mm                | 127mm | 98mm Aluminium | Each | 450g   | 12      | D330-0501   |
| 553727                                                     | DTR 13-27mm Trunnion Clamp | DTR   | Korea  | 13-27mm                | 135mm | 98mm Aluminium | Each | 650g   | 6       | DTR-ATC-106 |

| Part Number                                                        | Description             | Brand | Origin | Length | Diameter | Fixings     | Unit | Weight | Box Qty | Drawing   |
|--------------------------------------------------------------------|-------------------------|-------|--------|--------|----------|-------------|------|--------|---------|-----------|
| <b>Stud options for 11/380HC Horizontal Post (sold separately)</b> |                         |       |        |        |          |             |      |        |         |           |
| 465291                                                             | AX 45mm Line Post Stud  | AX    | NZ     | 45mm   | M20      | SW/FN       | Each | 400g   | 24      | D330-2013 |
| 465305                                                             | AX 160mm Line Post Stud | AX    | NZ     | 160mm  | M20      | FW/SW/FN/HN | Each | 710g   | 18      | D330-2022 |
| 465313                                                             | AX 205mm Line Post Stud | AX    | NZ     | 205mm  | M20      | FW/SW/FN/HN | Each | 800g   | 12      | D330-2059 |

## DTR 15kV LINE POSTS (Tie Top & Clamp Top)



### 15kV POLYMER LINE POST INSULATORS (TIE TOP & CLAMP TOP)

| Part Number                                             | Description                                        | Brand | Origin | Creepage kN     | Top            | Colour   | Clamp & Stud | Unit   | Weight      | Box/ Pallet | Drawing           |
|---------------------------------------------------------|----------------------------------------------------|-------|--------|-----------------|----------------|----------|--------------|--------|-------------|-------------|-------------------|
| 15kV Vertical Line Posts                                |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553239                                                  | DTR 15kV Vertical Tie Top Line Post                | DTR   | Korea  | 357mm           | 12.5 Tie Top   | Grey     | Separate     | Each   | 3.5kg       | 6/120       | DTR-LPCN-15SK-NZI |
| 553859                                                  | DTR 15kV Vertical Tie Top Line Post (HP)           | DTR   | Korea  | 476mm           | 12.5 Tie Top   | Grey     | Separate     | Each   | 4.0kg       | 6/120       | LPCN-15SK-HP-M20  |
| 553093                                                  | DTR 15kV Vertical Clamp Top Line Post              | DTR   | Korea  | 322mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 4.5kg       | 6/120       | DTR-LPV15SK-NZI   |
| 553867                                                  | DTR 15kV Vertical Clamp Top Line Post (HP)         | DTR   | Korea  | 476mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.0kg       | 6/120       | LPV-15SK-HP-1-M20 |
| 553875                                                  | DTR 15kV Vertical Special Clamp Top Line Post      | DTR   | Korea  | 357mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.0kg       | 6/120       | LPSC-15SK-M20     |
| 553883                                                  | DTR 15kV Vertical Special Clamp Top Line Post (HP) | DTR   | Korea  | 476mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.5kg       | 6/120       | LPSC-15SK-HP-M20  |
| Part Number                                             | Description                                        | Brand | Origin | Conductor Range | Length         | Width    | Construction | Unit   | Weight      | Box Qty     | Drawing           |
| Clamp options for DTR 15kV Line Posts (sold separately) |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553727                                                  | DTR 13-27mm Trunnion Clamp                         | DTR   | Korea  | 13-27mm         | 135mm          | 98mm     | Aluminium    | Each   | 650g        | 6           | DTR-ATC-106       |
| 461792                                                  | AX 10-38mm Trunnion Clamp                          | AX    | NZ     | 10-38mm         | 127mm          | 98mm     | Aluminium    | Each   | 450g        | 12          | D330-0501         |
| Part Number                                             | Description                                        | Brand | Origin | Length          | Diameter       | Fixings  | Unit         | Weight | Box/ Pallet | Drawing     |                   |
| Stud options for DTR 15kV Line Posts (sold separately)  |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553662                                                  | DTR 48mm Line Post Stud                            | DTR   | Korea  | 48mm            | M20            | FW/SW/FN | Each         | 300g   | 96          | STD48M20    |                   |
| 553581                                                  | DTR 160mm Line Post Stud                           | DTR   | Korea  | 160mm           | M20            | FW/SW/FN | Each         | 700g   | 72          | STD160M20   |                   |
| 553697                                                  | DTR 200mm Line Post Stud                           | DTR   | Korea  | 200mm           | M20            | FW/SW/FN | Each         | 850g   | 48          | STD200M20   |                   |
| Gain Bases for DTR 15kV Line Posts (sold separately)    |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553174                                                  | DTR Vertical Gain Base                             | DTR   | Korea  | 300mm           |                |          | Each         | 4.5kg  | 6/60        | DTR-GBV     |                   |



15kV Vertical Tie Top Line Post



M16 Stud Bolt Set



Tie Top



Bottom View

## 15kV POLYMER LINE POST INSULATOR (TIE TOP)

| Part Number | Description                         | Brand | Origin | Creepage | kN   | Top     | Colour | Unit | Weight | Box/ Pallet | Drawing          |
|-------------|-------------------------------------|-------|--------|----------|------|---------|--------|------|--------|-------------|------------------|
| 553778      | DTR 15kV Vertical Tie Top Line Post | DTR   | Korea  | 540mm    | 12.5 | Tie Top | Grey   | Each | 2.5kg  | 6/120       | DTR-LPCN-15SK-SP |
| includes    | M16 Stud Bolt Set                   | DTR   | Korea  |          |      |         |        | Each | 0.5kg  |             | STD160M16        |

## NZI 22kV PIN-TYPE Tie Top & Spindles



### 22kV PORCELAIN PIN INSULATOR (TIE TOP)

| Part Number                   | Description                     | Brand | Origin | Creepage  | Top      | Groove   | Colour | Thread    | Unit | Weight | Box/ Pallet | Drawing   |
|-------------------------------|---------------------------------|-------|--------|-----------|----------|----------|--------|-----------|------|--------|-------------|-----------|
| <b>22kV Pin-Type Tie Top</b>  |                                 |       |        |           |          |          |        |           |      |        |             |           |
| 106941                        | NZI 22/450                      | NZI   | NZ     | 450mm     | Tie Top  | 32mm     | Grey   | Pattern C | Each | 3.6kg  | 6/120       | S2466-1   |
| Part Number                   | Description                     | Brand | Origin | Length    | Strength | Diameter | Head   | Thread    | Unit | Weight | Box/ Pallet | Drawing   |
| <b>Spindles for ALP22/450</b> |                                 |       |        |           |          |          |        |           |      |        |             |           |
| 538213                        | AX M20 Pattern C Spindle (20mm) | AX    | China  | 200/185mm | 10kN     | M20      | Lead   | Pattern C | Each | 2.2kg  | 6/240       | D374-2084 |
| 538205                        | AX M24 Pattern C Spindle (24mm) | AX    | China  | 200/185mm | 11kN     | M24      | Lead   | Pattern C | Each | 2.4kg  | 6/240       | D374-2085 |

## DTR 25kV LINE POSTS (Tie Top & Clamp Top)



### 25kV POLYMER LINE POST INSULATORS (TIE TOP & CLAMP TOP)

| Part Number                                             | Description                                        | Brand | Origin | Creepage kN     | Top            | Colour   | Clamp & Stud | Unit   | Weight      | Box/ Pallet | Drawing           |
|---------------------------------------------------------|----------------------------------------------------|-------|--------|-----------------|----------------|----------|--------------|--------|-------------|-------------|-------------------|
| 25kV Vertical Line Posts                                |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553247                                                  | DTR 25kV Vertical Tie Top Line Post                | DTR   | Korea  | 551mm           | 12.5 Tie Top   | Grey     | Separate     | Each   | 4.0kg       | 6/120       | LPFN-25SK-M20     |
| 553891                                                  | DTR 25kV Vertical Tie Top Line Post (HP)           | DTR   | Korea  | 783mm           | 12.5 Tie Top   | Grey     | Separate     | Each   | 4.5kg       | 6/120       | LPFN-25SK-HP-M20  |
| 553115                                                  | DTR 25kV Vertical Clamp Top Line Post              | DTR   | Korea  | 516mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 4.5kg       | 6/120       | LPV-25SK-M20      |
| 553905                                                  | DTR 25kV Vertical Clamp Top Line Post (HP)         | DTR   | Korea  | 783mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.0kg       | 6/120       | LPV-25SK-HP-1-M20 |
| 553913                                                  | DTR 25kV Vertical Special Clamp Top Line Post      | DTR   | Korea  | 551mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.0kg       | 6/120       | LPSC-25SK-M20     |
| 553921                                                  | DTR 25kV Vertical Special Clamp Top Line Post (HP) | DTR   | Korea  | 783mm           | 12.5 Clamp Top | Grey     | Separate     | Each   | 5.5kg       | 6/120       | LPSC-25SK-HP-M20  |
| Part Number                                             | Description                                        | Brand | Origin | Conductor Range | Length         | Width    | Construction | Unit   | Weight      | Box Qty     | Drawing           |
| Clamp options for DTR 25kV Line Posts (sold separately) |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553727                                                  | DTR 13-27mm Trunnion Clamp                         | DTR   | Korea  | 13-27mm         | 135mm          | 98mm     | Aluminium    | Each   | 650g        | 6           | DTR-ATC-106       |
| 461792                                                  | AX 10-38mm Trunnion Clamp                          | AX    | NZ     | 10-38mm         | 127mm          | 98mm     | Aluminium    | Each   | 450g        | 12          | D330-0501         |
| Part Number                                             | Description                                        | Brand | Origin | Length          | Diameter       | Fixings  | Unit         | Weight | Box/ Pallet | Drawing     |                   |
| Stud options for DTR 25kV Line Posts (sold separately)  |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553662                                                  | DTR 48mm Line Post Stud                            | DTR   | Korea  | 48mm            | M20            | FW/SW/FN | Each         | 300g   | 96          | STD48M20    |                   |
| 553581                                                  | DTR 160mm Line Post Stud                           | DTR   | Korea  | 160mm           | M20            | FW/SW/FN | Each         | 700g   | 72          | STD160M20   |                   |
| 553697                                                  | DTR 200mm Line Post Stud                           | DTR   | Korea  | 200mm           | M20            | FW/SW/FN | Each         | 850g   | 48          | STD200M20   |                   |
| Gain Bases for DTR 25kV Line Posts (sold separately)    |                                                    |       |        |                 |                |          |              |        |             |             |                   |
| 553174                                                  | DTR Vertical Gain Base                             | DTR   | Korea  | 300mm           |                |          |              | Each   | 4.5kg       | 6/60        | DTR-GBV           |



## NZI 22kV LINE POSTS (Tie Top & Clamp Top)



22/490W32



22/630W32



22/490VC

### 22kV PORCELAIN LINE POST INSULATORS (TIE TOP & CLAMP TOP)

| Part Number                    | Description                             | Brand | Origin | Creepage kN | Top  | Groove  | Glaze | Stud | Unit      | Weight | Box/ Pallet | Drawing        |
|--------------------------------|-----------------------------------------|-------|--------|-------------|------|---------|-------|------|-----------|--------|-------------|----------------|
| <b>22kV Tie Top Line Posts</b> |                                         |       |        |             |      |         |       |      |           |        |             |                |
| 464619                         | NZI 22kV 490W32 Line Post               | NZI   | NZ     | 490mm       | 18   | Tie Top | 32mm  | Grey | 205mm M20 | Each   | 9.0kg       | 1/40 D632-0573 |
| 458090                         | NZI 22kV 490W40 Line Post               | NZI   | NZ     | 490mm       | 18   | Tie Top | 40mm  | Grey | 205mm M20 | Each   | 9.0kg       | 1/40 D632-0598 |
| 464368                         | NZI 22kV 630W32 Ultra Premium Line Post | NZI   | NZ     | 630mm       | 17.5 | Tie Top | 32mm  | Grey | 205mm M20 | Each   | 12.4kg      | 1/40 D632-0563 |

| Part Number                          | Description              | Brand | Origin | Creepage kN | Top | Clamp        | Glaze    | Stud | Unit      | Weight | Box/ Pallet | Drawing        |
|--------------------------------------|--------------------------|-------|--------|-------------|-----|--------------|----------|------|-----------|--------|-------------|----------------|
| <b>22kV Vertical Clamp Line Post</b> |                          |       |        |             |     |              |          |      |           |        |             |                |
| 465321                               | NZI 22kV 490VC Line Post | NZI   | NZ     | 490mm       | 12  | Cap & Pintle | Separate | Grey | 205mm M20 | Each   | 14.0kg      | 1/40 D724-0527 |

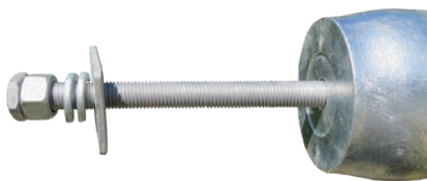
| Part Number                                         | Description                | Brand | Origin | Conductor Range | Length | Width | Construction | Unit | Weight | Box Qty | Drawing     |
|-----------------------------------------------------|----------------------------|-------|--------|-----------------|--------|-------|--------------|------|--------|---------|-------------|
| <b>Clamp options for 22/490VC (sold separately)</b> |                            |       |        |                 |        |       |              |      |        |         |             |
| 461792                                              | AX 10-38mm Trunnion Clamp  | AX    | NZ     | 10-38mm         | 127mm  | 98mm  | Aluminium    | Each | 450g   | 12      | D330-0501   |
| 553727                                              | DTR 13-27mm Trunnion Clamp | DTR   | Korea  | 13-27mm         | 135mm  | 98mm  | Aluminium    | Each | 650g   | 6       | DTR-ATC-106 |



### 33kV PORCELAIN PIN-TYPE INSULATORS (TIE TOP)

| Part Number                                  | Description          | Brand | Origin | Creepage  | Top      | Groove   | Colour | Thread              | Unit | Weight | Box/ Pallet | Drawing   |
|----------------------------------------------|----------------------|-------|--------|-----------|----------|----------|--------|---------------------|------|--------|-------------|-----------|
| <b>33kV Pin-Type Tie Top</b>                 |                      |       |        |           |          |          |        |                     |      |        |             |           |
| 112526                                       | NZI 3370             | NZI   | NZ     | 500mm     | Tie Top  | 32mm     | Grey   | BS Large Steel Head | Each | 5.2kg  | 3/96        | D327-0503 |
| 115029                                       | NZI 33/920           | NZI   | NZ     | 920mm     | Tie Top  | 32mm     | Grey   | BS Large Steel Head | Each | 16.2kg | 1/32        | D718-0503 |
| <b>44kV Pin-Type Tie Top</b>                 |                      |       |        |           |          |          |        |                     |      |        |             |           |
| 111376                                       | NZI 4490             | NZI   | NZ     | 665mm     | Tie Top  | 38mm     | Grey   | BS Large Steel Head | Each | 9.5kg  | 3/45        | D343-0504 |
| Part Number                                  | Description          | Brand | Origin | Length    | Strength | Diameter | Head   | Thread              | Unit | Weight | Box/ Pallet | Drawing   |
| <b>Spindle for all three 33kV Insulators</b> |                      |       |        |           |          |          |        |                     |      |        |             |           |
| 540463                                       | AX R31 Steel Spindle | AX    | China  | 305/178mm | 10kN     | M22      | Steel  | BS Large Steel Head | Each | 2.9kg  | 6/288       | D374-2023 |
| <b>Shorter Spindle option for 3370 only</b>  |                      |       |        |           |          |          |        |                     |      |        |             |           |
| 540706                                       | AX R29 Steel Spindle | AX    | UK     | 230/152mm | 10kN     | M22      | Steel  | BS Large Steel Head | Each | 1.9kg  | 6/240       | D374-2110 |

## NZI 33kV LINE POSTS Tie Top



Longer 205mm Stud now on all NZI 33kV Vertical Posts



1/Box



33/915W32



33/955W32 Ultra Premium



33/1200W32

### 33kV PORCELAIN LINE POST INSULATORS (TIE TOP)

| Part Number                                       | Description                | Brand | Origin | Creepage | Top     | Groove | kN   | Stud      | Glaze | Unit | Weight | Box/ Pallet | Drawing   |
|---------------------------------------------------|----------------------------|-------|--------|----------|---------|--------|------|-----------|-------|------|--------|-------------|-----------|
| <b>33kV Tie Top Line Posts</b>                    |                            |       |        |          |         |        |      |           |       |      |        |             |           |
| 464570                                            | NZI 33kV 915W32 Line Post  | NZI   | NZ     | 915mm    | Tie Top | 32mm   | 13.5 | 205mm M20 | Grey  | Each | 15.4kg | 1/40        | D632-0570 |
| 464562                                            | NZI 33kV 915W40 Line Post  | NZI   | NZ     | 915mm    | Tie Top | 40mm   | 13.5 | 205mm M20 | Grey  | Each | 15.4kg | 1/40        | D632-0571 |
| <b>33kV Ultra Premium Tie Top Line Post</b>       |                            |       |        |          |         |        |      |           |       |      |        |             |           |
| 464376                                            | NZI 33kV 955W32 Line Post  | NZI   | NZ     | 955mm    | Tie Top | 32mm   | 13   | 205mm M20 | Grey  | Each | 17.4kg | 1/40        | D632-0562 |
| <b>33kV Extra High Creepage Tie Top Line Post</b> |                            |       |        |          |         |        |      |           |       |      |        |             |           |
| 458201                                            | NZI 33kV 1200W32 Line Post | NZI   | NZ     | 1200mm   | Tie Top | 32mm   | 12   | 205mm M20 | Grey  | Each | 16.5kg | 1/40        | D633-0503 |
| 465224                                            | NZI 33kV 1200W40 Line Post | NZI   | NZ     | 1200mm   | Tie Top | 40mm   | 12   | 205mm M20 | Grey  | Each | 16.5kg | 1/40        | D632-0572 |




**33kV PORCELAIN PIN-TYPE INSULATORS (CLAMP TOP)**

| Part Number                             | Description              | Brand | Origin | Creepage Top    | Clamp        | Glaze    | Thread       | Unit                | Weight | Box/ Pallet | Drawing     |           |
|-----------------------------------------|--------------------------|-------|--------|-----------------|--------------|----------|--------------|---------------------|--------|-------------|-------------|-----------|
| 33kV Pin-Type Clamp Top                 |                          |       |        |                 |              |          |              |                     |        |             |             |           |
| 112550                                  | NZI 3372                 | NZI   | NZ     | 510mm           | Cap & Pintle | Separate | Grey         | BS Large Steel Head | Each   | 8.2kg       | 2/32        | D347-0504 |
| 44kV Pin-Type Clamp Top                 |                          |       |        |                 |              |          |              |                     |        |             |             |           |
| 111414                                  | NZI 4492                 | NZI   | NZ     | 635mm           | Cap & Pintle | Separate | Grey         | BS Large Steel Head | Each   | 14.1kg      | 1/32        | D341-0506 |
| Part Number                             | Description              | Brand | Origin | Conductor Range | Length       | Width    | Construction | Unit                | Weight | Box Qty     | Drawing     |           |
| Clamp for 3372 & 4492 (sold separately) |                          |       |        |                 |              |          |              |                     |        |             |             |           |
| 465283                                  | AX 10-38mm Special Clamp | AX    | NZ     | 10-38mm         | 127mm        | 98mm     | Aluminium    | Each                | 450g   | 12          | D330-0503   |           |
| Part Number                             | Description              | Brand | Origin | Length          | Strength     | Diameter | Head         | Thread              | Unit   | Weight      | Box/ Pallet | Drawing   |
| Spindle for both Insulators             |                          |       |        |                 |              |          |              |                     |        |             |             |           |
| 540463                                  | AX R31 Steel Spindle     | AX    | China  | 305/178mm       | 10kN         | M22      | Steel        | BS Large Steel Head | Each   | 2.9kg       | 6/288       | D374-2023 |
| Shorter Spindle option for 3372 only    |                          |       |        |                 |              |          |              |                     |        |             |             |           |
| 540706                                  | AX R29 Steel Spindle     | AX    | UK     | 230/152mm       | 10kN         | M22      | Steel        | BS Large Steel Head | Each   | 1.9kg       | 6/240       | D374-2110 |

## NZI 33kV LINE POSTS Clamp Top



### 33kV PORCELAIN LINE POST INSULATORS (CLAMP TOP)

| Part Number                                         | Description                | Brand | Origin | Creepage        | kN       | Top          | Clamp        | Glaze  | Stud      | Unit      | Weight      | Box/<br>Pallet | Drawing   |
|-----------------------------------------------------|----------------------------|-------|--------|-----------------|----------|--------------|--------------|--------|-----------|-----------|-------------|----------------|-----------|
| 33kV Vertical Clamp Line Post                       |                            |       |        |                 |          |              |              |        |           |           |             |                |           |
| 464597                                              | NZI 33kV 940VC Line Post   | NZI   | NZ     | 940mm           | 10       | Cap & Pintle | Separate     | Grey   | 205mm M20 | Each      | 15.5kg      | 1/32           | D724-0524 |
| 465836                                              | NZI 33kV 1075VC Line Post  | NZI   | NZ     | 1075mm          | 10       | Cap & Pintle | Separate     | Grey   | 205mm M20 | Each      | 16.5kg      | 1/32           | D724-0530 |
| 458326                                              | NZI 33kV 1200VC Line Post  | NZI   | NZ     | 1200mm          | 12       | Cap & Pintle | Separate     | Grey   | 205mm M20 | Each      | 21kg        | 1/32           | D724-0531 |
| Part Number                                         | Description                | Brand | Origin | Creepage        | kN       | Top          | Clamp        | Glaze  | Stud      | Unit      | Weight      | Box/<br>Pallet | Drawing   |
| 33kV Horizontal Clamp Line Post                     |                            |       |        |                 |          |              |              |        |           |           |             |                |           |
| 465208                                              | NZI 33kV 995HC Line Post   | NZI   | NZ     | 995mm           | 12.5     | Cap & Pintle | Separate     | Grey   | Separate  | Each      | 21.0kg      | 1/32           | D725-0514 |
| Part Number                                         | Description                | Brand | Origin | Conductor Range | Length   | Width        | Construction | Unit   | Weight    | Box Qty   | Drawing     |                |           |
| Clamp options for 33kV Line Posts (sold separately) |                            |       |        |                 |          |              |              |        |           |           |             |                |           |
| 461792                                              | AX 10-38mm Trunnion Clamp  | AX    | NZ     | 10-38mm         | 127mm    | 98mm         | Aluminium    | Each   | 450g      | 12        | D330-0501   |                |           |
| 553727                                              | DTR 13-27mm Trunnion Clamp | DTR   | Korea  | 13-27mm         | 135mm    | 98mm         | Aluminium    | Each   | 650g      | 6         | DTR-ATC-106 |                |           |
| Part Number                                         | Description                | Brand | Origin | Length          | Diameter | Fixings      | Unit         | Weight | Box Qty   | Drawing   |             |                |           |
| Stud options for 33/995HC (sold separately)         |                            |       |        |                 |          |              |              |        |           |           |             |                |           |
| 465291                                              | AX 45mm Line Post Stud     | AX    | NZ     | 45mm            | M20      | SW/FN        | Each         | 400g   | 24        | D330-2013 |             |                |           |
| 465305                                              | AX 160mm Line Post Stud    | AX    | NZ     | 160mm           | M20      | FW/SW/FN/HN  | Each         | 710g   | 18        | D330-2022 |             |                |           |
| 465313                                              | AX 205mm Line Post Stud    | AX    | NZ     | 205mm           | M20      | FW/SW/FN/HN  | Each         | 800g   | 12        | D330-2059 |             |                |           |

## DTR 35kV LINE POSTS (Tie Top & Clamp Top)



DTR 35kV Clamp Top  
(clamp sold separately)



DTR 35kV Tie Top



35kV Special Clamp Top



DTR Clamp

### 35kV POLYMER LINE POST INSULATORS (TIE TOP & CLAMP TOP)

| Part Number                                             | Description                                        | Brand Origin Creepage kN |        |                 |          | Top       | Colour Clamp & Stud |          | Unit        | Weight    | Box/ Drawing Pallet |                   |
|---------------------------------------------------------|----------------------------------------------------|--------------------------|--------|-----------------|----------|-----------|---------------------|----------|-------------|-----------|---------------------|-------------------|
| 35kV Vertical Line Posts                                |                                                    |                          |        |                 |          |           |                     |          |             |           |                     |                   |
| 553255                                                  | DTR 35kV Vertical Tie Top Line Post                | DTR                      | Korea  | 648mm           | 12.5     | Tie Top   | Grey                | Separate | Each        | 4.5kg     | 6/120               | LPFN-35SK-M20     |
| 553948                                                  | DTR 35kV Vertical Tie Top Line Post (HP)           | DTR                      | Korea  | 1090mm          | 12.5     | Tie Top   | Grey                | Separate | Each        | 5.0kg     | 6/120               | LPFN-35SK-HP-M20  |
| 553131                                                  | DTR 35kV Vertical Clamp Top Line Post              | DTR                      | Korea  | 613mm           | 12.5     | Clamp Top | Grey                | Separate | Each        | 5.0kg     | 6/120               | DTR-LPV-35SK-NZI  |
| 553956                                                  | DTR 35kV Vertical Clamp Top Line Post (HP)         | DTR                      | Korea  | 1090mm          | 12.5     | Clamp Top | Grey                | Separate | Each        | 5.5kg     | 6/120               | LPV-35SK-HP-1-M20 |
| 553964                                                  | DTR 35kV Vertical Special Clamp Top Line Post      | DTR                      | Korea  | 648mm           | 12.5     | Clamp Top | Grey                | Separate | Each        | 5.5kg     | 6/120               | LPSC-35SK-M20     |
| 553972                                                  | DTR 35kV Vertical Special Clamp Top Line Post (HP) | DTR                      | Korea  | 1090mm          | 12.5     | Clamp Top | Grey                | Separate | Each        | 6.0kg     | 6/120               | LPSC-35SK-HP-M20  |
| Part Number                                             | Description                                        | Brand                    | Origin | Conductor Range | Length   | Width     | Construction        | Unit     | Weight      | Box Qty   | Drawing             |                   |
| Clamp options for DTR 35kV Line Posts (sold separately) |                                                    |                          |        |                 |          |           |                     |          |             |           |                     |                   |
| 553727                                                  | DTR 13-27mm Trunnion Clamp                         | DTR                      | Korea  | 13-27mm         | 135mm    | 98mm      | Aluminium           | Each     | 650g        | 6         | DTR-ATC-106         |                   |
| 461792                                                  | AX 10-38mm Trunnion Clamp                          | AX                       | NZ     | 10-38mm         | 127mm    | 98mm      | Aluminium           | Each     | 450g        | 12        | D330-0501           |                   |
| Part Number                                             | Description                                        | Brand                    | Origin | Length          | Diameter | Fixings   | Unit                | Weight   | Box/ Pallet | Drawing   |                     |                   |
| Stud options for DTR 35kV Line Posts (sold separately)  |                                                    |                          |        |                 |          |           |                     |          |             |           |                     |                   |
| 553662                                                  | DTR 48mm Line Post Stud                            | DTR                      | Korea  | 48mm            | M20      | FW/SW/FN  | Each                | 300g     | 96          | STD48M20  |                     |                   |
| 553581                                                  | DTR 160mm Line Post Stud                           | DTR                      | Korea  | 160mm           | M20      | FW/SW/FN  | Each                | 700g     | 72          | STD160M20 |                     |                   |
| 553697                                                  | DTR 200mm Line Post Stud                           | DTR                      | Korea  | 200mm           | M20      | FW/SW/FN  | Each                | 850g     | 48          | STD200M20 |                     |                   |
| Gain Bases for DTR 35kV Line Posts (sold separately)    |                                                    |                          |        |                 |          |           |                     |          |             |           |                     |                   |
| 553174                                                  | DTR Vertical Gain Base                             | DTR                      | Korea  | 300mm           |          |           |                     | Each     | 4.5kg       | 6/60      | DTR-GBV             |                   |

## DTR 46kV LINE POSTS (Tie Top & Clamp Top)



46kV Vertical Line Post

Special Clamp



Graphite Cast Iron

### 46kV POLYMER LINE POST INSULATORS (TIE TOP & CLAMP TOP)

| Part Number                                             | Description                                        | Brand |        |                 | Origin   | Creepage  | kN           | Top    | Colour      | Clamp & Stud | Unit        | Weight | Box/ Drawing Pallet |
|---------------------------------------------------------|----------------------------------------------------|-------|--------|-----------------|----------|-----------|--------------|--------|-------------|--------------|-------------|--------|---------------------|
| 46kV Vertical Line Posts                                |                                                    |       |        |                 |          |           |              |        |             |              |             |        |                     |
| 553980                                                  | DTR 46kV Vertical Tie Top Line Post                | DTR   | Korea  | 1195mm          | 12.5     | Tie Top   |              | Grey   | Separate    | Each         | 6.5kg       | 1/60   | LPFN-46SK-M20       |
| 553999                                                  | DTR 46kV Vertical Tie Top Line Post (HP)           | DTR   | Korea  | 1703mm          | 12.5     | Tie Top   |              | Grey   | Separate    | Each         | 6.5kg       | 1/60   | LPFN-46SK-HP-M20    |
| 554006                                                  | DTR 46kV Vertical Clamp Top Line Post              | DTR   | Korea  | 1195mm          | 12.5     | Clamp Top |              | Grey   | Separate    | Each         | 7.0kg       | 1/60   | LPV-46SK-M20        |
| 554014                                                  | DTR 46kV Vertical Clamp Top Line Post (HP)         | DTR   | Korea  | 1703mm          | 12.5     | Clamp Top |              | Grey   | Separate    | Each         | 7.0kg       | 1/60   | LPV-46SK-HP-M20     |
| 554022                                                  | DTR 46kV Vertical Special Clamp Top Line Post      | DTR   | Korea  | 1195mm          | 12.5     | Clamp Top |              | Grey   | Separate    | Each         | 7.0kg       | 1/60   | LPSC-46SK-M20       |
| 554030                                                  | DTR 46kV Vertical Special Clamp Top Line Post (HP) | DTR   | Korea  | 1703mm          | 12.5     | Clamp Top |              | Grey   | Separate    | Each         | 7.5kg       | 1/60   | LPSC-46SK-HP-M20    |
| Part Number                                             | Description                                        | Brand | Origin | Conductor Range | Length   | Width     | Construction | Unit   | Weight      | Box Qty      | Drawing     |        |                     |
| Clamp options for DTR 46kV Line Posts (sold separately) |                                                    |       |        |                 |          |           |              |        |             |              |             |        |                     |
| 553727                                                  | DTR 13-27mm Trunnion Clamp                         | DTR   | Korea  | 13-27mm         | 135mm    | 98mm      | Aluminium    | Each   | 650g        | 6            | DTR-ATC-106 |        |                     |
| 461792                                                  | AX 10-38mm Trunnion Clamp                          | AX    | NZ     | 10-38mm         | 127mm    | 98mm      | Aluminium    | Each   | 450g        | 12           | D330-0501   |        |                     |
| Part Number                                             | Description                                        | Brand | Origin | Length          | Diameter | Fixings   | Unit         | Weight | Box/ Pallet | Drawing      |             |        |                     |
| Stud options for DTR 46kV Line Posts (sold separately)  |                                                    |       |        |                 |          |           |              |        |             |              |             |        |                     |
| 553662                                                  | DTR 48mm Line Post Stud                            | DTR   | Korea  | 48mm            | M20      | FW/SW/FN  | Each         | 300g   | 96          | STD48M20     |             |        |                     |
| 553581                                                  | DTR 160mm Line Post Stud                           | DTR   | Korea  | 160mm           | M20      | FW/SW/FN  | Each         | 700g   | 72          | STD160M20    |             |        |                     |
| 553697                                                  | DTR 200mm Line Post Stud                           | DTR   | Korea  | 200mm           | M20      | FW/SW/FN  | Each         | 850g   | 48          | STD200M20    |             |        |                     |
| Gain Bases for DTR 46kV Line Posts (sold separately)    |                                                    |       |        |                 |          |           |              |        |             |              |             |        |                     |
| 553174                                                  | DTR Vertical Gain Base                             | DTR   | Korea  | 300mm           |          |           |              | Each   | 4.5kg       | 6/60         | DTR-GBV     |        |                     |





## 69kV POLYMER LINE POST INSULATORS (TIE TOP & CLAMP TOP)

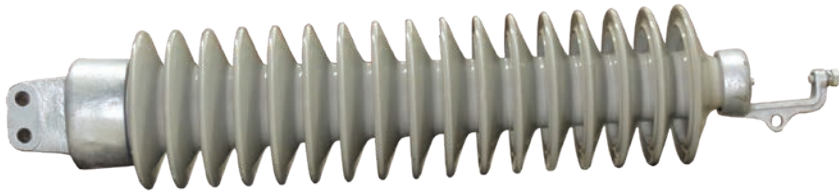
| Part Number                                             | Description                                        | Brand | Origin | Creepage        | kN       | Top       | Colour       | Clamp & Stud | Unit        | Weight    | Box/ Pallet | Drawing           |
|---------------------------------------------------------|----------------------------------------------------|-------|--------|-----------------|----------|-----------|--------------|--------------|-------------|-----------|-------------|-------------------|
| 69kV Vertical Line Posts                                |                                                    |       |        |                 |          |           |              |              |             |           |             |                   |
| 553166                                                  | DTR 69kV Vertical Tie Top Line Post                | DTR   | Korea  | 1387mm          | 11.0     | Tie Top   | Grey         | Separate     | Each        | 7.0kg     | 1/60        | DTR-LPFN-69SK-NZI |
| 554049                                                  | DTR 69kV Vertical Tie Top Line Post (HP)           | DTR   | Korea  | 2330mm          | 12.5     | Tie Top   | Grey         | Separate     | Each        | 7.5kg     | 1/60        | LPFN-69SK-HP-M20  |
| 553212                                                  | DTR 69kV Vertical Clamp Top Line Post              | DTR   | Korea  | 1387mm          | 11.0     | Clamp Top | Grey         | Separate     | Each        | 8.0kg     | 1/60        | DTR-LPV69SK-NZI   |
| 554057                                                  | DTR 69kV Vertical Clamp Top Line Post (HP)         | DTR   | Korea  | 2330mm          | 12.5     | Clamp Top | Grey         | Separate     | Each        | 8.0kg     | 1/60        | LPV-69SK-HP-1-M20 |
| 554065                                                  | DTR 69kV Vertical Special Clamp Top Line Post      | DTR   | Korea  | 1387mm          | 12.5     | Clamp Top | Grey         | Separate     | Each        | 8.0kg     | 1/60        | LPSC-69SK-M20     |
| 554073                                                  | DTR 69kV Vertical Special Clamp Top Line Post (HP) | DTR   | Korea  | 2330mm          | 12.5     | Clamp Top | Grey         | Separate     | Each        | 8.5kg     | 1/60        | LPSC-69SK-HP-M20  |
| Part Number                                             | Description                                        | Brand | Origin | Conductor Range | Length   | Width     | Construction | Unit         | Weight      | Box Qty   | Drawing     |                   |
| Clamp options for DTR 69kV Line Posts (sold separately) |                                                    |       |        |                 |          |           |              |              |             |           |             |                   |
| 553727                                                  | DTR 13-27mm Trunnion Clamp                         | DTR   | Korea  | 13-27mm         | 135mm    | 98mm      | Aluminium    | Each         | 650g        | 6         | DTR-ATC-106 |                   |
| 461792                                                  | AX 10-38mm Trunnion Clamp                          | AX    | NZ     | 10-38mm         | 127mm    | 98mm      | Aluminium    | Each         | 450g        | 12        | D330-0501   |                   |
| Part Number                                             | Description                                        | Brand | Origin | Length          | Diameter | Fixings   | Unit         | Weight       | Box/ Pallet | Drawing   |             |                   |
| Stud options for DTR 69kV Line Posts (sold separately)  |                                                    |       |        |                 |          |           |              |              |             |           |             |                   |
| 553662                                                  | DTR 48mm Line Post Stud                            | DTR   | Korea  | 48mm            | M20      | FW/SW/FN  | Each         | 300g         | 96          | STD48M20  |             |                   |
| 553581                                                  | DTR 160mm Line Post Stud                           | DTR   | Korea  | 160mm           | M20      | FW/SW/FN  | Each         | 700g         | 72          | STD160M20 |             |                   |
| 553697                                                  | DTR 200mm Line Post Stud                           | DTR   | Korea  | 200mm           | M20      | FW/SW/FN  | Each         | 850g         | 48          | STD200M20 |             |                   |
| Gain Bases for DTR 69kV Line Posts (sold separately)    |                                                    |       |        |                 |          |           |              |              |             |           |             |                   |
| 553174                                                  | DTR Vertical Gain Base                             | DTR   | Korea  | 300mm           |          |           |              | Each         | 4.5kg       | 6/60      | DTR-GBV     |                   |

## NZI 66kV & 110kV LINE POSTS Clamp Top



Base Cap for both Vertical and Horizontal

Vertical Top Cap



110kV 2850HC Horizontal Line Post (clamp supplied separately)

### 110kV PORCELAIN LINE POST INSULATORS (CLAMP TOP)

| Part Number                                         | Description                | Brand | Origin | Creepage        | Strength | Top          | Glaze        | Fixing & Clamp | Unit   | Weight  | Box Qty   | Drawing   |
|-----------------------------------------------------|----------------------------|-------|--------|-----------------|----------|--------------|--------------|----------------|--------|---------|-----------|-----------|
| 66kV Vertical Clamp Top Post                        |                            |       |        |                 |          |              |              |                |        |         |           |           |
| 460419                                              | NZI 66kV 1830VC Line Post  | NZI   | NZ     | 1830mm          | 10kN     | Cap & Pintle | Grey         | Separate       | Each   | 37kg    | 1         | D724-0518 |
| 66kV Horizontal Clamp Top Post                      |                            |       |        |                 |          |              |              |                |        |         |           |           |
| 460451                                              | NZI 66kV 1830HC Line Post  | NZI   | NZ     | 1830mm          | 10kN     | Cap & Pintle | Grey         | Separate       | Each   | 37kg    | 1         | D725-0523 |
| 110kV Vertical Clamp Top Post                       |                            |       |        |                 |          |              |              |                |        |         |           |           |
| 460222                                              | NZI 110kV 2850VC Line Post | NZI   | NZ     | 2850mm          | 10kN     | Cap & Pintle | Grey         | Separate       | Each   | 60kg    | 1         | D724-0519 |
| 110kV Horizontal Clamp Top Post                     |                            |       |        |                 |          |              |              |                |        |         |           |           |
| 460265                                              | NZI 110kV 2850HC Line Post | NZI   | NZ     | 2850mm          | 10kN     | Cap & Pintle | Grey         | Separate       | Each   | 60kg    | 1         | D725-0524 |
| Part Number                                         | Description                | Brand | Origin | Conductor Range | Length   | Width        | Construction | Unit           | Weight | Box Qty | Drawing   |           |
| Clamp for 66kV & 110kV Line Posts (sold separately) |                            |       |        |                 |          |              |              |                |        |         |           |           |
| 461792                                              | AX 10-38mm Trunnion Clamp  | AX    | NZ     | 10-38mm         | 127mm    | 98mm         | Aluminium    | Each           | 450g   | 12      | D330-0501 |           |



T-Insert 12kV



12kV



22kV



36kV

T-Insert



External Cap



### 12-36kV PORCELAIN STANDOFF INSULATORS

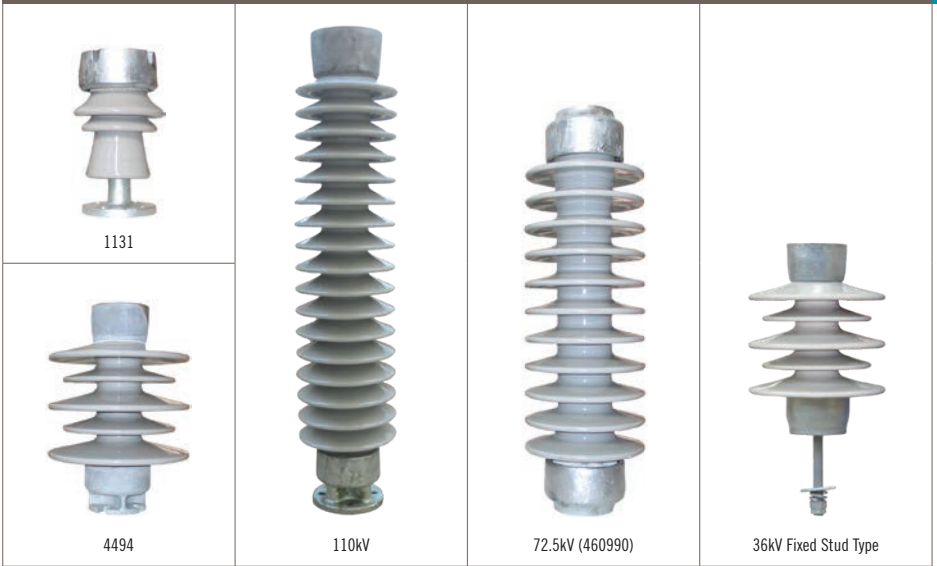
| Part Number                   | Description       | Brand | Origin | Creepage | Length | kN  | End Fittings | Glaze | Unit | Weight | Box Qty | Drawing   |
|-------------------------------|-------------------|-------|--------|----------|--------|-----|--------------|-------|------|--------|---------|-----------|
| <b>T-Insert Standoff</b>      |                   |       |        |          |        |     |              |       |      |        |         |           |
| 599263                        | NZI 12kV T-Insert | NZI   | NZ     | 480mm    | 235mm  | 3.5 | T Insert     | Grey  | Each | 6.0kg  | 6       | D412-0504 |
| <b>External Cap Standoffs</b> |                   |       |        |          |        |     |              |       |      |        |         |           |
| 598291                        | NZI 12kV Standoff | NZI   | NZ     | 445mm    | 235mm  | 4   | 76CRS Caps   | Grey  | Each | 5.9kg  | 4       | D412-0529 |
| 598305                        | NZI 22kV Standoff | NZI   | NZ     | 590mm    | 300mm  | 3   | 76CRS Caps   | Grey  | Each | 6.8kg  | 3       | D412-0531 |
| 598313                        | NZI 36kV Standoff | NZI   | NZ     | 880mm    | 406mm  | 2   | 76CRS Caps   | Grey  | Each | 9.0kg  | 3       | D412-0527 |



TR208 25kV Station Post

## 15-220kV POLYMER STATION POST INSULATORS

| Part Number               | Description                     | Brand | Origin | Rated | Creepage | Length | kN   | Sheds | Colour | Weight | Box Qty | Drawing          |
|---------------------------|---------------------------------|-------|--------|-------|----------|--------|------|-------|--------|--------|---------|------------------|
| <b>7.5kV Station Post</b> |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 554383                    | DTR TR202<br>7.5kV Station Post | DTR   | Korea  | 7.5kV | 300mm    | 190mm  | 8.9  | 3     | Grey   | 3.2kg  | 6       | SPB008-TR202-M3  |
| <b>15kV Station Post</b>  |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553263                    | DTR TR205<br>15kV Station Post  | DTR   | Korea  | 15kV  | 529mm    | 254mm  | 12.5 | 5     | Grey   | 3.2kg  | 6       | SPB015-TR205-M3  |
| <b>25kV Station Post</b>  |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553271                    | DTR TR208<br>25kV Station Post  | DTR   | Korea  | 25kV  | 824mm    | 357mm  | 12.5 | 7     | Grey   | 4.1kg  | 6       | SPB025-TR208-M3  |
| <b>35kV Station Post</b>  |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553298                    | DTR TR210<br>35kV Station Post  | DTR   | Korea  | 35kV  | 1117mm   | 457mm  | 12.5 | 9     | Grey   | 4.5kg  | 6       | SPB035-TR210-M3  |
| <b>46kV Station Post</b>  |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553301                    | DTR TR214<br>46kV Station Post  | DTR   | Korea  | 46kV  | 1436mm   | 559mm  | 12.5 | 11    | Grey   | 5.5kg  | 6       | SPB046-TR214-M3  |
| <b>69kV Station Post</b>  |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553328                    | DTR TR216<br>69kV Station Post  | DTR   | Korea  | 69kV  | 1884mm   | 762mm  | 12   | 15    | Grey   | 7.7kg  | 6       | SPB069-TR216-M3  |
| <b>150kV Station Post</b> |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553352                    | DTR TR291<br>150kV Station Post | DTR   | Korea  | 150kV | 4128mm   | 1704mm | 8    | 24    | Grey   | 20.4kg | 1       | DTR-TR291SK-HP-M |
| <b>220kV Station Post</b> |                                 |       |        |       |          |        |      |       |        |        |         |                  |
| 553360                    | DTR TR312<br>220kV Station Post | DTR   | Korea  | 220kV | 5854mm   | 2336mm | 5.5  | 34    | Grey   | 30.2kg | 1       | DTR-TR312SK-M    |



## 11-110kV PORCELAIN STATION POST INSULATORS

| Part Number                 | Description                              | Brand | Origin | Creepage | Length | kN  | Caps   | Construction | Glaze | Weight | Box/ Pallet | Drawing   |
|-----------------------------|------------------------------------------|-------|--------|----------|--------|-----|--------|--------------|-------|--------|-------------|-----------|
| <b>11kV Station Post</b>    |                                          |       |        |          |        |     |        |              |       |        |             |           |
| 104744                      | NZI 1131 11kV Station Post               | NZI   | NZ     | 265mm    | 228mm  | 6   | 76PCD  | 1 Piece      | Grey  | 4.4kg  | 6/120       | D712-0501 |
| <b>36kV Station Posts</b>   |                                          |       |        |          |        |     |        |              |       |        |             |           |
| 460001                      | NZI 4494 36kV Station Post               | NZI   | NZ     | 860mm    | 381mm  | 12  | 76PCD  | 1 Piece      | Grey  | 20kg   | 1/32        | D687-0547 |
| 460028                      | NZI 4494 Inverted 36kV Station Post      | NZI   | NZ     | 860mm    | 381mm  | 12  | 76PCD  | 1 Piece      | Grey  | 20kg   | 1/32        | D687-0593 |
| 462489                      | NZI 36kV Station Post                    | NZI   | NZ     | 950mm    | 475mm  | 5   | 76PCD  | 1 Piece      | Grey  | 16kg   | 1/40        | D687-0531 |
| 465550                      | NZI 36kV Station Post Fixed Stud Type    | NZI   | NZ     | 860mm    | 530mm  | 12  | 76PCD  | 1 Piece      | Grey  | 16.5kg | 1/20        | D688-0502 |
| <b>44kV Station Post</b>    |                                          |       |        |          |        |     |        |              |       |        |             |           |
| 113514                      | NZI 4497 HD 44kV Station Post            | NZI   | NZ     | 813mm    | 381mm  | 11  | 76PCD  | 1 Piece      | Grey  | 16kg   | 1/27        | D400-0502 |
| <b>72.5kV Station Posts</b> |                                          |       |        |          |        |     |        |              |       |        |             |           |
| 460990                      | NZI 72.5kV Station Post                  | NZI   | NZ     | 1600mm   | 762mm  | 8   | 76PCD  | 1 Piece      | Grey  | 39kg   | 1/20        | D687-0588 |
| 460737                      | NZI 72.5kV Station Post (Pedestal Mount) | NZI   | NZ     | 1880mm   | 770mm  | 7   | 127PCD | 1 Piece      | Grey  | 40kg   | 1/20        | D687-0590 |
| <b>110kV Station Posts</b>  |                                          |       |        |          |        |     |        |              |       |        |             |           |
| 460168                      | NZI 110kV Station Post (Pedestal Mount)  | NZI   | NZ     | 2780mm   | 1104mm | 4.5 | 127PCD | 1 Piece      | Grey  | 50kg   | 1/20        | D687-0570 |



5/8" Cordeau



R23



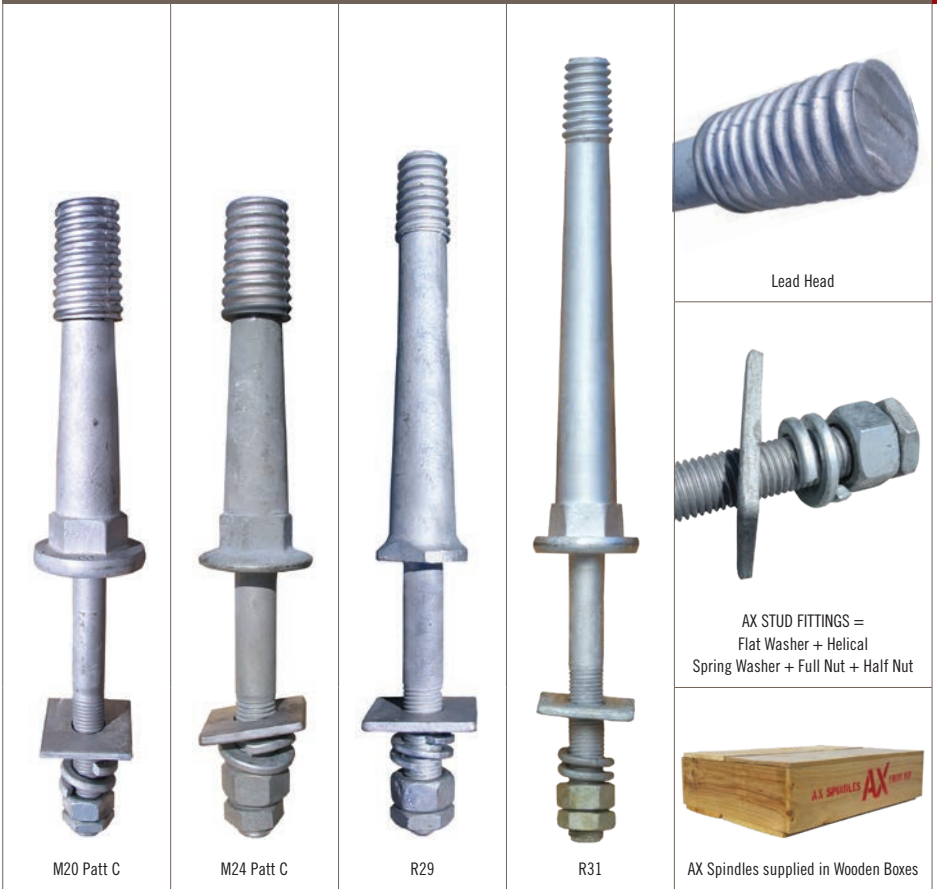
NEMA Nylon



NEMA Lead

## GALVANISED STEEL SPINDLES FOR PIN-TYPE INSULATORS

| Part Number                           | Description               | Brand | Origin | Length    | Diameter | kN  | Head  | Thread              | Unit | Weight | Box/<br>Pallet | Drawing   |
|---------------------------------------|---------------------------|-------|--------|-----------|----------|-----|-------|---------------------|------|--------|----------------|-----------|
| <b>Spindle for 510, 511 &amp; 821</b> |                           |       |        |           |          |     |       |                     |      |        |                |           |
| 540358                                | AX 5/8 Cordeau Steel Head | AX    | China  | 118/147mm | M16      | 3.3 | Steel | 5/8" Cordeau        | Each | 670g   | 30/1200        | D374-2009 |
| <b>Spindles for 1130W</b>             |                           |       |        |           |          |     |       |                     |      |        |                |           |
| 536164                                | AX Nema 1" Nylon Head     | AX    | China  | 152/146mm | M20      | 6   | Nylon | 1 Inch SLHT         | Each | 1.0kg  | 12/480         | D374-2134 |
| 536326                                | AX Nema 1" Lead Head      | AX    | China  | 152/146mm | M20      | 6   | Lead  | 1 Inch SLHT         | Each | 1.1kg  | 12/480         | D374-2118 |
| 541532                                | AX Extended Lead Head     | AX    | China  | 185/135mm | M20      | 6   | Lead  | 1 Inch SLHT         | Each | 1.3kg  | 12/480         | D374-2120 |
| <b>Spindle for 1132T</b>              |                           |       |        |           |          |     |       |                     |      |        |                |           |
| 540528                                | AX R23 Steel Head         | AX    | UK     | 170/130mm | M18      | 10  | Steel | BS Small Steel Head | Each | 1.1kg  | 12/240         | D374-2027 |



## GALVANISED STEEL SPINDLES FOR PIN-TYPE INSULATORS

| Part Number                                                   | Description                | Brand | Origin | Length    | Diameter | kN | Head  | Thread              | Unit | Weight | Box/ Pallet | Drawing   |
|---------------------------------------------------------------|----------------------------|-------|--------|-----------|----------|----|-------|---------------------|------|--------|-------------|-----------|
| <b>Spindles for ALP22/450</b>                                 |                            |       |        |           |          |    |       |                     |      |        |             |           |
| 538213                                                        | AX M20 Pattern C Lead Head | AX    | China  | 200/185mm | M20      | 10 | Lead  | Pattern C           | Each | 2.2kg  | 6/240       | D374-2084 |
| 538205                                                        | AX M24 Pattern C Lead Head | AX    | China  | 200/185mm | M24      | 11 | Lead  | Pattern C           | Each | 2.4kg  | 6/240       | D374-2085 |
| <b>Spindle for 1540W, 3370, 33/920, 4490, 3372 &amp; 4492</b> |                            |       |        |           |          |    |       |                     |      |        |             |           |
| 540463                                                        | AX R31 Steel Head          | AX    | China  | 305/178mm | M22      | 10 | Steel | BS Large Steel Head | Each | 2.9kg  | 6/288       | D374-2023 |
| <b>Shorter Spindle option for 1540W, 3370 &amp; 3372 only</b> |                            |       |        |           |          |    |       |                     |      |        |             |           |
| 540706*                                                       | AX R29 Steel Head          | AX    | UK     | 230/152mm | M22      | 10 | Steel | BS Large Steel Head | Each | 1.9kg  | 6/240       | D374-2110 |

\* Limited stock available.



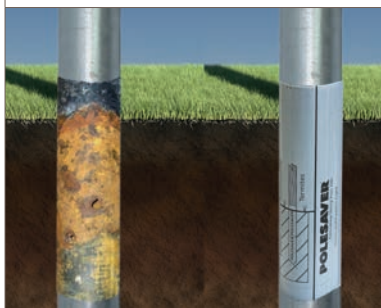
# POLESAVER SLEEVES and FIRE PROTECTION FABRIC



Polesaver



Wooden Poles



Steel Poles



Fire Protection Fabric

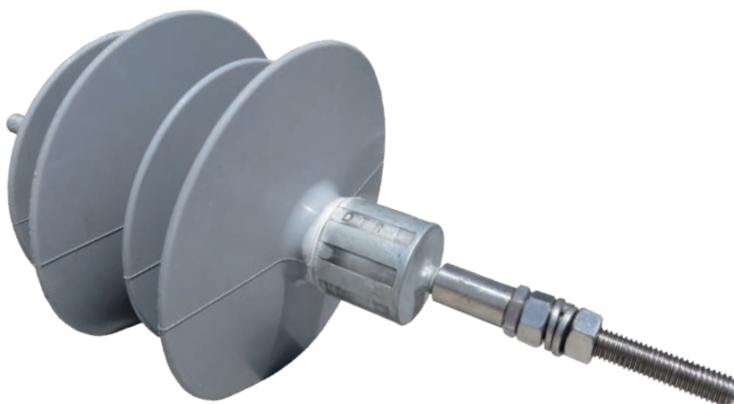
## POLESAVER SLEEVES AND FIRE PROTECTION FABRIC

| Part Number                   | Description                             | Product Code | To Fit Pole Diameter (mm) | To Fit Pole Diameter (in) | Pack Size     |
|-------------------------------|-----------------------------------------|--------------|---------------------------|---------------------------|---------------|
| <b>Polesaver Sleeves</b>      |                                         |              |                           |                           |               |
| 570001                        | 150mm Ø Polesaver Sleeve                | U15          | 150                       | 6                         | 50            |
| 570028                        | 200mm Ø Polesaver Sleeve                | U20          | 200                       | 8                         | 50            |
| 570036                        | 250mm Ø Polesaver Sleeve                | U25          | 250                       | 10                        | 50            |
| 570044                        | 300mm Ø Polesaver Sleeve                | U30          | 300                       | 12                        | 50            |
| 570052                        | 350mm Ø Polesaver Sleeve                | U35          | 350                       | 14                        | 40            |
| 570060                        | 400mm Ø Polesaver Sleeve                | U40          | 400                       | 16                        | 25            |
| 570079                        | 450mm Ø Polesaver Sleeve                | U45          | 450                       | 18                        | 25            |
| 570087                        | 500mm Ø Polesaver Sleeve                | U50          | 500                       | 20                        | 25            |
| 570095                        | 550mm Ø Polesaver Sleeve                | U55          | 550                       | 22                        | 25            |
| 570109                        | 600mm Ø Polesaver Sleeve                | U60          | 600                       | 24                        | 25            |
| <b>Fire Protection Fabric</b> |                                         |              |                           |                           |               |
| Part Number                   | Description                             | Product Code |                           |                           | Pack Quantity |
| 570133                        | Fire protection fabric 1.0 m x 25m roll | FP1          |                           |                           | 1             |





Avon Crucifix Bracket



DTR Crucifix Standoff

**GALVANISED STEEL CRUCIFIX BRACKET & POLYMER STANDOFF**

| Part Number                         | Description                     | Brand | Origin | Length | Width | Thick | Holes | Unit | Weight | Pack Qty | Drawing |
|-------------------------------------|---------------------------------|-------|--------|--------|-------|-------|-------|------|--------|----------|---------|
| Crucifix Bracket (HDG to 4680:2006) |                                 |       |        |        |       |       |       |      |        |          |         |
| 537055                              | Avon 11kV Crucifix Bracket only | Avon  | NZ     | 920mm  | 340mm | 6mm   | 14mm  | Each | 4.8kg  | 5        | AA18206 |

| Part Number                                    | Description                | Brand | Origin | Rated | Creepage | Length  | Stud | Colour | Unit | Weight | Box/Pallet | Drawing       |
|------------------------------------------------|----------------------------|-------|--------|-------|----------|---------|------|--------|------|--------|------------|---------------|
| Polymer Standoff for 11kV Crucifix (IEC 61109) |                            |       |        |       |          |         |      |        |      |        |            |               |
| 553069                                         | DTR 15kV Crucifix Standoff | DTR   | Korea  | 15kV  | 550mm    | 328mm   | M12  | Grey   | Each | 1.8kg  | 6/300      | ISA3-0550-GSS |
| 554618                                         | DTR 33kV Crucifix Standoff | DTR   | Korea  | 33kV  | 1165mm   | 486.5mm | M12  | Grey   | Each | 3.5kg  | 3/168      | ISA3-1165-GSS |



Screw Anchors

Crossarm Braces



Eye Bolts



## GALVANISED STEEL LINE HARDWARE

| Part Number                | Description                           | Brand | Origin | Length | Shaft | Helix Dia | Eye ID | Unit | Weight | Pack Qty | Drawing |
|----------------------------|---------------------------------------|-------|--------|--------|-------|-----------|--------|------|--------|----------|---------|
| <b>1.8mm Screw Anchors</b> |                                       |       |        |        |       |           |        |      |        |          |         |
| 536512                     | Avon 1.8/20/175 Screw Anchor          | Avon  | NZ     | 1.8m   | M20   | 175mm     | 60mm   | Each | 6.0kg  | 1        | AA05003 |
| 536520                     | Avon 1.8/24-2/175 Double Helix Anchor | Avon  | NZ     | 1.8m   | M20   | 175mm     | 60mm   | Each | 9.0kg  | 1        | AA05007 |
| 536539                     | Avon 1.8/24/210 Screw Anchor          | Avon  | NZ     | 1.8m   | M24   | 210mm     | 60mm   | Each | 8.9kg  | 1        | AA05004 |
| 536547                     | Avon 1.8/32/250 Screw Anchor          | Avon  | NZ     | 1.8m   | M32   | 250mm     | 60mm   | Each | 17.0kg | 1        | AA05006 |

| Part Number          | Description                      | Brand | Origin | Length | Width | Thick  | Eye ID | Unit | Weight | Bag Qty | Drawing |
|----------------------|----------------------------------|-------|--------|--------|-------|--------|--------|------|--------|---------|---------|
| <b>M16 Eye Bolts</b> |                                  |       |        |        |       |        |        |      |        |         |         |
| 537144               | Avon 20x200mm Eye Bolt + M16 Nut | Avon  | NZ     | 200mm  | 50mm  | 14.7mm | 20mm   | Each | 490g   | 10      | AA02002 |
| 537152               | Avon 32x200mm Eye Bolt + M16 Nut | Avon  | NZ     | 200mm  | 62mm  | 14.7mm | 32mm   | Each | 500g   | 10      | AA02011 |
| 537160               | Avon 20x250mm Eye Bolt + M16 Nut | Avon  | NZ     | 250mm  | 50mm  | 14.7mm | 20mm   | Each | 620g   | 10      | AA02004 |

| Part Number                | Description                  | Brand | Origin | Length | Width | Thick | Holes | Unit | Weight | Bag Qty | Drawing |
|----------------------------|------------------------------|-------|--------|--------|-------|-------|-------|------|--------|---------|---------|
| <b>5mm Crossarm Braces</b> |                              |       |        |        |       |       |       |      |        |         |         |
| 536555                     | Avon 610x30mm Crossarm Brace | Avon  | NZ     | 610mm  | 30mm  | 5mm   | 14mm  | Each | 720g   | 20      | AA13009 |
| 537179                     | Avon 660x30mm Crossarm Brace | Avon  | NZ     | 660mm  | 30mm  | 5mm   | 14mm  | Each | 780g   | 20      | AA13010 |
| 536563                     | Avon 700x30mm Crossarm Brace | Avon  | NZ     | 700mm  | 30mm  | 5mm   | 14mm  | Each | 830g   | 20      | AA13011 |
| 537187                     | Avon 763x30mm Crossarm Brace | Avon  | NZ     | 763mm  | 30mm  | 5mm   | 14mm  | Each | 900g   | 20      | AA13013 |
| 536571                     | Avon 800x30mm Crossarm Brace | Avon  | NZ     | 800mm  | 30mm  | 5mm   | 14mm  | Each | 940g   | 20      | AA13015 |
| 536598                     | Avon 900x30mm Crossarm Brace | Avon  | NZ     | 900mm  | 30mm  | 5mm   | 14mm  | Each | 1.1kg  | 20      | AA13017 |



Black (for copper)



White (for aluminium)

### CABLE OXIDE REMOVAL BRUSHES

| Part Number                                               | Description                           | Brand  | Origin    | Colour | Length | Diameter | Unit | Weight | Box Qty |
|-----------------------------------------------------------|---------------------------------------|--------|-----------|--------|--------|----------|------|--------|---------|
| <b>For Cleaning Copper Conductor prior to crimping</b>    |                                       |        |           |        |        |          |      |        |         |
| 523054                                                    | Fulton ORB-1 Oxide Film Removal Brush | Fulton | Australia | Black  | 130mm  | 50mm     | Each | 140g   | 15      |
| <b>For Cleaning Aluminium Conductor prior to crimping</b> |                                       |        |           |        |        |          |      |        |         |
| 523062                                                    | Fulton ORB-2 Oxide Film Removal Brush | Fulton | Australia | White  | 130mm  | 50mm     | Each | 140g   | 15      |



AAR 0620



AAR 0660



AAR 1050



AAR 1400

### PAYER ALUMINIUM ARMOUR RODS (RH LAY)

| Part Number                  | Description          | Brand | Origin | Conductor           | Colour | Diameter Range  | Wires     | Unit | Box Qty |
|------------------------------|----------------------|-------|--------|---------------------|--------|-----------------|-----------|------|---------|
| <b>Aluminium Armour Rods</b> |                      |       |        |                     |        |                 |           |      |         |
| 560006                       | AAR 0620 Armour Rods | Payer | Canada | Squirrel/Namu/Boron | Orange | 6.2 - 6.59mm    | 7x3.71mm  | Each | 40      |
| 560014                       | AAR 0660 Armour Rods | Payer | Canada | Flounder            | Brown  | 6.6 - 6.94mm    | 7x3.71mm  | Each | 40      |
| 560286                       | AAR 0695 Armour Rods | Payer | Canada | Gopher/Poko         | Yellow | 6.95 - 7.34mm   | 8x3.71mm  | Each | 40      |
| 560294                       | AAR 0880 Armour Rods | Payer | Canada | Ferret/Kutu         | Red    | 8.8 - 9.29mm    | 9x4.24mm  | Each | 25      |
| 560022                       | AAR 1050 Armour Rods | Payer | Canada | Mink/Rango          | Black  | 10.5 - 11.09mm  | 10x4.24mm | Each | 20      |
| 560308                       | AAR 1245 Armour Rods | Payer | Canada | Wasp                | Green  | 12.45 - 13.24mm | 11x4.24mm | Each | 20      |
| 560030                       | AAR 1400 Armour Rods | Payer | Canada | Dog/Weke/Iodine     | Blue   | 14.0 - 14.89mm  | 11x4.24mm | Each | 15      |
| 560316                       | AAR 1790 Armour Rods | Payer | Canada | Wolf                | Red    | 17.9 - 18.8mm   | 12x5.18mm | Each | 10      |



Genuine Payer of Canada

**PAYER ALUMINIUM LINE GUARDS & LINE SPLICES (RH LAY)**

| Part Number                   | Description          | Brand | Origin | Conductor     | Colour | Diameter Range  | 3.07mm Wires | Unit | Box Qty |
|-------------------------------|----------------------|-------|--------|---------------|--------|-----------------|--------------|------|---------|
| <b>Aluminium Line Guards</b>  |                      |       |        |               |        |                 |              |      |         |
| 560626                        | ALG 0620 Line Guard  | Payer | Canada | Squirrel/Namu | Orange | 6.2 - 6.59mm    | 8            | Each | 50      |
| 560634                        | ALG 0695 Line Guard  | Payer | Canada | Gopher/Poko   | Yellow | 6.95 - 7.34mm   | 9            | Each | 50      |
| 560642                        | ALG 0735 Line Guard  | Payer | Canada | Chlorine      | Blue   | 7.35 - 7.84mm   | 9            | Each | 50      |
| 560650                        | ALG 0880 Line Guard  | Payer | Canada | Ferret/Kutu   | Red    | 8.8 - 9.29mm    | 10           | Each | 40      |
| 560669                        | ALG 1050 Line Guard  | Payer | Canada | Mink/Rango    | Black  | 10.5 - 11.09mm  | 13           | Each | 30      |
| 560677                        | ALG 1180 Line Guard  | Payer | Canada | Raccoon       | White  | 11.8 - 12.44mm  | 13           | Each | 30      |
| 560685                        | ALG 1245 Line Guard  | Payer | Canada | Wasp          | Green  | 12.45 - 13.24mm | 13           | Each | 30      |
| 560693                        | ALG 1400 Line Guard  | Payer | Canada | Dog/Weke      | Blue   | 14.0 - 14.89    | 15           | Each | 25      |
| 560707                        | ALG 1880 Line Guard  | Payer | Canada | Jaguar        | White  | 18.8 - 20.14mm  | 17           | Each | 15      |
| 560715                        | ALG 2015 Line Guard  | Payer | Canada | Cockroach     | Red    | 20.15 - 21.34mm | 18           | Each | 15      |
| <b>Aluminium Line Splices</b> |                      |       |        |               |        |                 |              |      |         |
| 560499                        | ALS 0625 Line Splice | Payer | Canada | Squirrel/Namu | Orange | 6.25 - 6.54mm   | 2x4          | Each | 50      |
| 560502                        | ALS 0655 Line Splice | Payer | Canada | Flounder      | Brown  | 6.55 - 6.89mm   | 2x4          | Each | 50      |
| 560510                        | ALS 0690 Line Splice | Payer | Canada | Gopher/Poko   | Yellow | 6.9 - 7.14mm    | 3x3          | Each | 40      |
| 560529                        | ALS 1015 Line Splice | Payer | Canada | Hake          | Black  | 10.15 - 10.49mm | 2x4+1x5      | Each | 40      |

## PAYER ALUMINIUM Deadends



ADE 0625



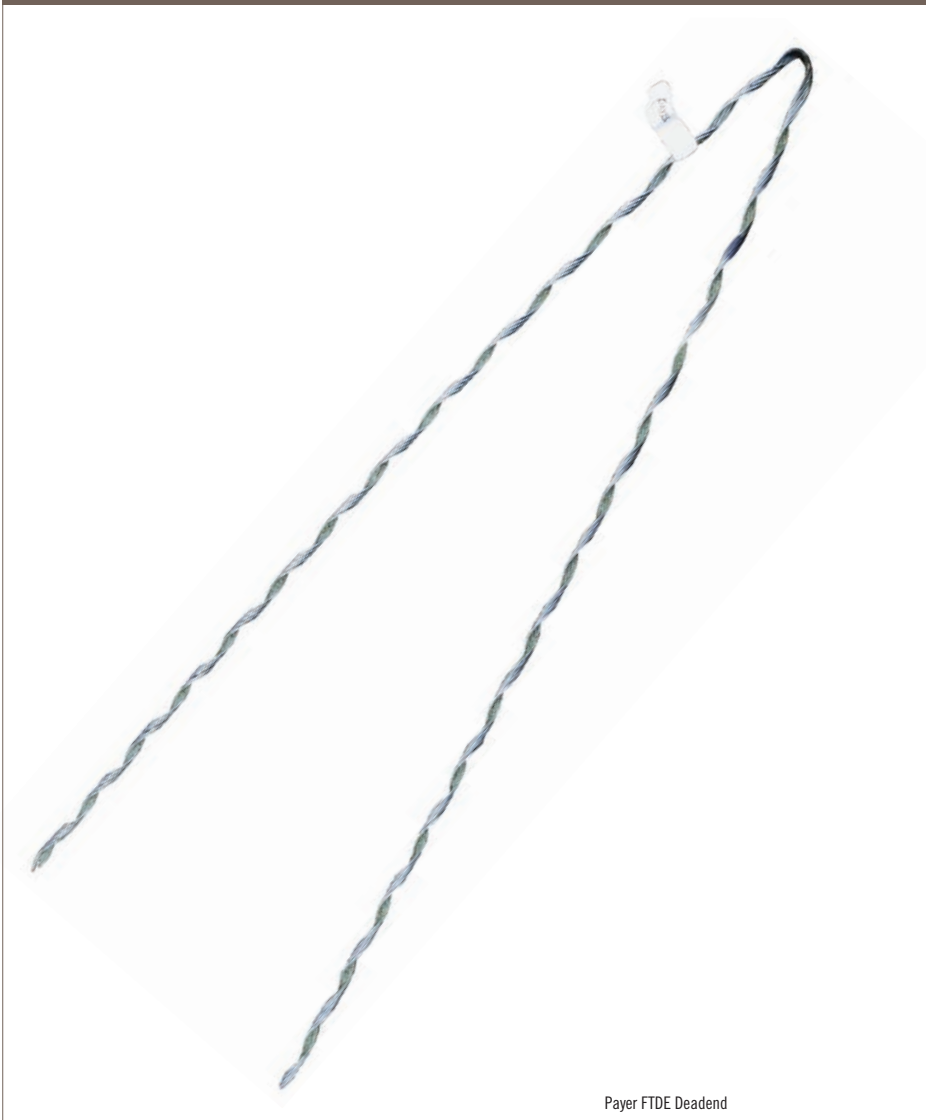
ADE 1080



ADE 1385

## PAYER ALUMINIUM DEADENDS (RH LAY)

| Part Number        | Description            | Brand | Origin | Conductor       | Colour | Diameter Range  | Unit | Box Qty |
|--------------------|------------------------|-------|--------|-----------------|--------|-----------------|------|---------|
| Aluminium Deadends |                        |       |        |                 |        |                 |      |         |
| 560057             | Payer ADE 0625 Deadend | Payer | Canada | Squirrel/Namu   | Orange | 6.25 - 6.54mm   | Each | 40      |
| 560049             | Payer ADE 0690 Deadend | Payer | Canada | Gopher/Poko     | Yellow | 6.9 - 7.14mm    | Each | 40      |
| 560324             | Payer ADE 0895 Deadend | Payer | Canada | Ferret/Kutu     | Red    | 8.95 - 9.34mm   | Each | 50      |
| 560332             | Payer ADE 0970 Deadend | Payer | Canada | Rabbit          | Brown  | 9.7 - 10.14mm   | Each | 40      |
| 560073             | Payer ADE 1080 Deadend | Payer | Canada | Mink/Rango      | Black  | 10.8 - 11.3mm   | Each | 30      |
| 560340             | Payer ADE 1130 Deadend | Payer | Canada | Grasshopper     | Blue   | 11.3 - 11.74mm  | Each | 30      |
| 560359             | Payer ADE 1225 Deadend | Payer | Canada | Raccoon         | White  | 12.25 - 12.79mm | Each | 25      |
| 560367             | Payer ADE 1280 Deadend | Payer | Canada | Wasp/Beetle     | Green  | 12.8 - 13.5mm   | Each | 25      |
| 560065             | Payer ADE 1385 Deadend | Payer | Canada | Dog/Weke/Iodine | Blue   | 13.85 - 14.44mm | Each | 20      |
| 560375             | Payer ADE 1570 Deadend | Payer | Canada | Cricket         | Orange | 15.7 - 16.39mm  | Each | 15      |
| 560383             | Payer ADE 1640 Deadend | Payer | Canada | Dingo/Weta      | Brown  | 16.4 - 17.04mm  | Each | 10      |
| 560103             | Payer ADE 1855 Deadend | Payer | Canada | Jaguar/Mata     | White  | 18.55 - 19.29mm | Each | 10      |
| 560391             | Payer ADE 2100 Deadend | Payer | Canada | Cockroach       | Red    | 21.0 - 21.41mm  | Each | 10      |
| 560405             | Payer ADE 2255 Deadend | Payer | Canada | Butterfly       | Green  | 22.55 - 24.33mm | Each | 10      |



**PAYER FULL TENSION GALV STEEL DEADENDS (RH LAY)**

| Part Number                             | Description        | Brand | Origin | Conductor | Colour | Diameter | Unit | Box Qty |
|-----------------------------------------|--------------------|-------|--------|-----------|--------|----------|------|---------|
| <b>Single Piece Galv Steel Deadends</b> |                    |       |        |           |        |          |      |         |
| 560081                                  | Payer FTDE Deadend | Payer | Canada | Flounder  | Grey   | 6.71mm   | Each | 50      |
| 560618                                  | Payer FTDE Deadend | Payer | Canada | Mink      | Red    | 10.98mm  | Each | 20      |





LTDNE 0585



LTDNE 0735



LTDNE 0955

**PAYER GALV STEEL LIMITED TENSION NEOPRENE DEADENDS (RH LAY)**

| Part Number              | Description        | Brand | Origin | Conductor        | Colour | Diameter Range  | Unit | Box Qty |
|--------------------------|--------------------|-------|--------|------------------|--------|-----------------|------|---------|
| <b>Neoprene Deadends</b> |                    |       |        |                  |        |                 |      |         |
| 560197                   | LTNDE 0585 Deadend | Payer | Canada | Flounder         | Green  | 5.85 - 7.34mm   | Each | 50      |
| 560111                   | LTNDE 0735 Deadend | Payer | Canada | Namu             | Red    | 7.35 - 9.55mm   | Each | 50      |
| 560200                   | LTNDE 0955 Deadend | Payer | Canada | Ferret           | Blue   | 9.55 - 11.35mm  | Each | 50      |
| 560138                   | LTNDE 1210 Deadend | Payer | Canada | Rango            | Red    | 12.1 - 14.17mm  | Each | 25      |
| 560146                   | LTNDE 1485 Deadend | Payer | Canada | Beetle/Wasp/Weke | Black  | 14.85 - 16.63mm | Each | 20      |
| 560413                   | LTNDE 1880 Deadend | Payer | Canada | Weta             | Yellow | 18.8 - 20.19mm  | Each | 20      |
| 560421                   | LTNDE 2200 Deadend | Payer | Canada | Butterfly        | Blue   | 22.0 - 23.32mm  | Each | 15      |
| 560429                   | LTNDE 2500 Deadend | Payer | Canada | Goat/Centipede   | Orange | 25.0 - 26.67mm  | Each | 10      |

SGG 0595



SGG 1185



SGL 0930



**PAYER GALV STEEL GUY GRIPS & GUY LOCKS (RH LAY)**

| Part No.         | Description       | Brand | Origin | Galv Steel        | Colour | Diameter Range  | Unit | Box Qty |
|------------------|-------------------|-------|--------|-------------------|--------|-----------------|------|---------|
| <b>Guy Grips</b> |                   |       |        |                   |        |                 |      |         |
| 560219           | SGG 0485 Guy Grip | Payer | Canada | 7/16              | Black  | 4.85 - 5.04mm   | Each | 50      |
| 560154           | SGG 0595 Guy Grip | Payer | Canada | 7/14 SWG          | Yellow | 5.95 - 6.19mm   | Each | 50      |
| 560227           | SGG 0765 Guy Grip | Payer | Canada | 7/12              | White  | 7.65 - 7.99mm   | Each | 50      |
| 560162           | SGG 0895 Guy Grip | Payer | Canada | 7/3.00            | Red    | 8.95 - 9.29mm   | Each | 40      |
| 560235           | SGG 0930 Guy Grip | Payer | Canada | 7/3.15 & 1/19/1.9 | Red    | 9.3 - 9.69mm    | Each | 40      |
| 560170           | SGG 0970 Guy Grip | Payer | Canada | 7/10 SWG          | Green  | 9.7 - 10.04mm   | Each | 40      |
| 560251           | SGG 1185 Guy Grip | Payer | Canada | 7/4.00            | Brown  | 11.85 - 12.19mm | Each | 25      |
| 560456           | SGG 1305 Guy Grip | Payer | Canada | 19/12 SWG         | White  | 13.05 - 13.49mm | Each | 15      |
| <b>Guy Locks</b> |                   |       |        |                   |        |                 |      |         |
| 560464           | SGL 0595 Guy Lock | Payer | Canada | 7/14 SWG          | Yellow | 5.95 - 6.19mm   | Each | 150     |
| 560278           | SGL 0765 Guy Lock | Payer | Canada | 7/12 & 7.5mm      | White  | 7.65 - 7.99mm   | Each | 50      |
| 560472           | SGL 0895 Guy Lock | Payer | Canada | 7/3.00            | Red    | 8.95 - 9.29mm   | Each | 40      |
| 560189           | SGL 0930 Guy Lock | Payer | Canada | 7/3.15            | Red    | 9.3 - 9.69mm    | Each | 20      |
| 560480           | SGL 1185 Guy Lock | Payer | Canada | 7/4.00            | Brown  | 11.85 - 12.19mm | Each | 20      |



GY3 Top View

GY3 Side View



GY2 Guy Strain



GY3 Guy Strain



GY4 Guy Strain



GY2 Guy Strain Bundle Assembly Close up



GY2 Guy Strain Bundle Assembly

### PORCELAIN GUY STRAINS & FENCE STRAINER

| Part Number                       | Description                        | Brand | Origin | Length | Wet Flashover | Failing Load | Glaze | Unit | Weight | Box/ Pallet | Drawing |
|-----------------------------------|------------------------------------|-------|--------|--------|---------------|--------------|-------|------|--------|-------------|---------|
| <b>Guy Strains</b>                |                                    |       |        |        |               |              |       |      |        |             |         |
| 108197                            | NZI GY2 15kV Guy Strain            | NZI   | NZ     | 146mm  | 15kV          | 71kN         | Grey  | Each | 1.2kg  | 18/720      | S2289   |
| 108162                            | NZI GY3 20kV Guy Strain            | NZI   | NZ     | 216mm  | 30kV          | 222kN        | Grey  | Each | 3.8kg  | 4/192       | S2290   |
| 108170                            | NZI GY4 30kV Guy Strain            | NZI   | NZ     | 280mm  | 30kV          | 222kN        | Grey  | Each | 5.7kg  | 2/96        | S2291   |
| <b>Guy Strain Bundle Assembly</b> |                                    |       |        |        |               |              |       |      |        |             |         |
| 108669                            | NZI GY2 Guy Strain Bundle Assembly | NZI   | NZ     | 18m    |               |              |       | Each | 7.5kg  | 40/40       |         |

70kN Galv Steel Clevis



70kN Aluminium Clevis



HDG Thimble



Clevis Close Up



Aluminium Side Profile



Steel Side Profile



Polymer Strain Aluminium Bundle

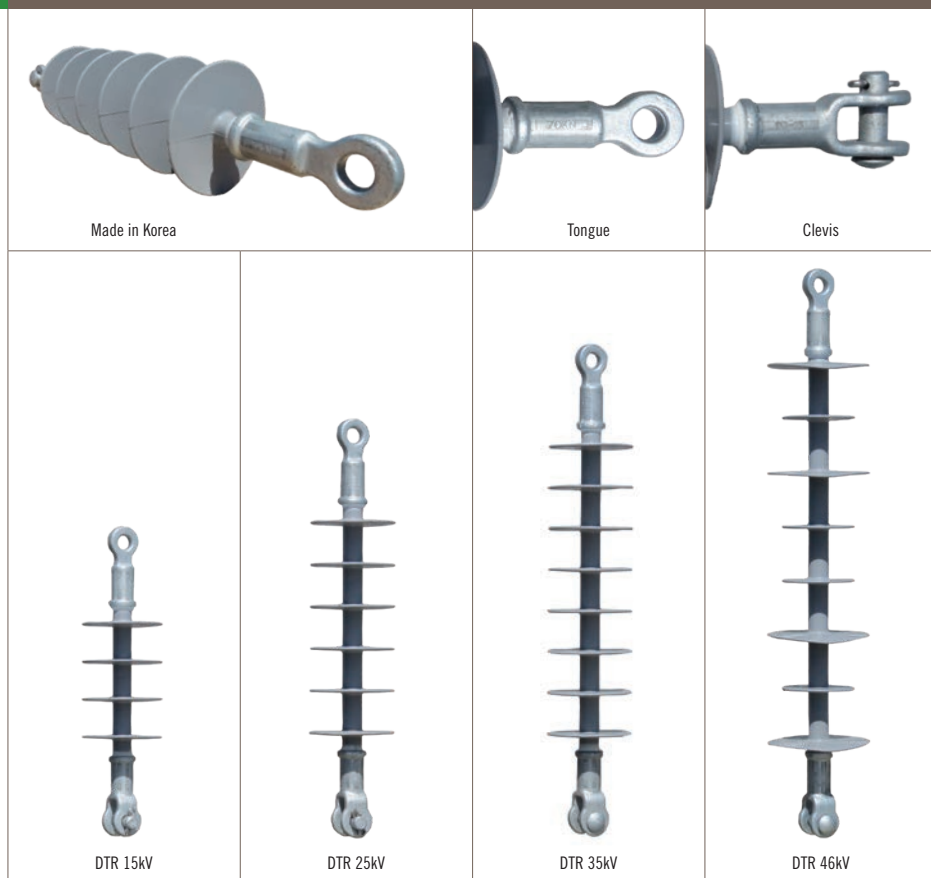


Polymer Strain Galv Steel Bundle

## CLEVIS THIMBLES & POLYMER STRAIN BUNDLES

| Part Number                                | Description                                                              | Brand | Origin | Strength | Length | Int Width | Loop | Unit | Weight | Box Qty | Drawing   |
|--------------------------------------------|--------------------------------------------------------------------------|-------|--------|----------|--------|-----------|------|------|--------|---------|-----------|
| <b>Clevis Thimbles</b>                     |                                                                          |       |        |          |        |           |      |      |        |         |           |
| 536342                                     | AX Aluminium Clevis Thimble                                              | AX    | China  | 70kN     | 132mm  | 30mm      | 57mm | Each | 470g   | 30      | D374-2140 |
| 536393                                     | AX Galv Steel Clevis Thimble                                             | AX    | China  | 70kN     | 146mm  | 25mm      | 57mm | Each | 650g   | 30      | D374-2142 |
| <b>HDG Thimble</b>                         |                                                                          |       |        |          |        |           |      |      |        |         |           |
| 536407                                     | AX 16mm Galv Thimble                                                     | AX    | NZ     |          | 90mm   | 16mm      | 60mm | Each | 145g   | 10      |           |
| 536601                                     | AX 19mm Galv Thimble                                                     | AX    | NZ     |          | 105mm  | 16mm      | 70mm | Each | 145g   | 10      |           |
| <b>Preassembled Polymer Strain Bundles</b> |                                                                          |       |        |          |        |           |      |      |        |         |           |
| 553336                                     | DTR 15kV Polymer Strain + AX Aluminium Clevis + Avon 32/200M16 Eye Bolt  |       |        |          |        |           |      |      | 2.1kg  | 10      |           |
| 553344                                     | DTR 15kV Polymer Strain + AX Galv Steel Clevis + Avon 32/200M16 Eye Bolt |       |        |          |        |           |      |      | 2.3kg  | 10      |           |

## DTR Polymer STRAINS – 15/25/35/46kV



## POLYMER STRAIN INSULATORS

| Part Number                        | Description                  | Brand | Origin | Rated kN | End Fittings       | Creepage | Sheds | Length | Colour | Weight | Box/ Pallet | Drawing       |
|------------------------------------|------------------------------|-------|--------|----------|--------------------|----------|-------|--------|--------|--------|-------------|---------------|
| <b>Polymer Strains (IEC 61109)</b> |                              |       |        |          |                    |          |       |        |        |        |             |               |
| 553018                             | DTR 15kV Polymer Strain      | DTR   | Korea  | 15kV     | 70 Tongue & Clevis | 459      | 4     | 347    | Grey   | 0.8kg  | 10/900      | ISA7-0459-AGH |
| 553751                             | DTR 15kV Polymer Strain      | DTR   | Korea  | 15kV     | 70 Eye & Eye       | 459      | 4     | 347    | Grey   | 0.8kg  | 10/800      | ISA7-0459-AGG |
| 553026                             | DTR 25kV Polymer Strain      | DTR   | Korea  | 25kV     | 70 Tongue & Clevis | 693      | 6     | 442    | Grey   | 1.3kg  | 10/600      | ISB7-0693-AGH |
| 553034                             | DTR 35kV Polymer Strain      | DTR   | Korea  | 35kV     | 70 Tongue & Clevis | 927      | 8     | 536    | Grey   | 1.4kg  | 10/600      | ISC7-0927-AGH |
| 553603                             | DTR 46kV Polymer Strain      | DTR   | Korea  | 46kV     | 70 Tongue & Clevis | 1070     | 8     | 644    | Grey   | 1.8kg  | 8/224       | ISC9-1070-CAB |
| 554693                             | DTR 35kV Polymer Strain (HP) | DTR   | Korea  | 35kV     | Tongue & Clevis    | 1362     | 8     | 594    | Grey   | 1.95kg | 3/84        | ISB8-1362-BGH |



### 69kV POLYMER STRAIN INSULATORS

| Part Number                             | Description              | Brand | Origin | Rated kN | End Fittings       | Creepage (mm) | Sheds | Length (mm) | Colour | Weight | Box/ Pallet | Drawing       |
|-----------------------------------------|--------------------------|-------|--------|----------|--------------------|---------------|-------|-------------|--------|--------|-------------|---------------|
| <b>69kV Polymer Strains (IEC 61109)</b> |                          |       |        |          |                    |               |       |             |        |        |             |               |
| 553700                                  | DTR 69kV Polymer Strain  | DTR   | Korea  | 69kV     | 70 Tongue & Clevis | 2205          | 13    | 864         | Grey   | 2.9kg  | 1/144       | ISD7-2205-BAB |
| 553379                                  | DTR 69kV L011745 Strain  | DTR   | Korea  | 69kV     | 120 Ball & Socket  | 2070          | 19    | 800         | Grey   | 4.4kg  | 1           | SCGL019-A6800 |
| 553395                                  | DTR 69kV L011746Y Strain | DTR   | Korea  | 69kV     | 120 Y Clevis & Eye | 2070          | 19    | 821         | Grey   | 4.9kg  | 1           | SCGL019-A2800 |
| 553387                                  | DTR 69kV L011746 Strain  | DTR   | Korea  | 69kV     | 120 Ball & Socket  | 2449          | 17    | 859         | Grey   | 5.4kg  | 1           | SCVL017-A6800 |
| 553409                                  | DTR 69kV L066096 Strain  | DTR   | Korea  | 69kV     | 160 Eye & Eye      | 1658          | 15    | 855         | Grey   | 4.6kg  | 1           | SEHL015-B1100 |

**DTR HV SUSPENSION Strains**

Ball &amp; Socket Suspension Insulator



Y Clevis Suspension Insulator



Eye Eye Strain Insulator

**POLYMERIC SUSPENSION INSULATORS FOR TRANSMISSION**

| Part Number                     | Description   | Brand | Origin | Rated | Creep (mm) | Strength (kN) | Length (mm) | Sheds | Reference | Colour | Weight | Drawing       |
|---------------------------------|---------------|-------|--------|-------|------------|---------------|-------------|-------|-----------|--------|--------|---------------|
| <b>110kV Suspension Strains</b> |               |       |        |       |            |               |             |       |           |        |        |               |
| 553417                          | Ball & Socket | DTR   | Korea  | 115kV | 3754       | 120           | 1232        | 35    | L011760   | Grey   | 7.1kg  | SCGL035-A6801 |
| 553425                          | Y Clevis      | DTR   | Korea  | 115kV | 3754       | 120           | 1253        | 35    | L011760Y  | Grey   | 7.6kg  | SCGL035-A2801 |
| 553433                          | Ball & Socket | DTR   | Korea  | 115kV | 3893       | 120           | 1214        | 27    | L011761   | Grey   | 8.8kg  | SCGL027-A6801 |
| 553441                          | Ball & Socket | DTR   | Korea  | 115kV | 3754       | 210           | 1241        | 35    | L011770   | Grey   | 8.0kg  | SFGL035-B6801 |
| 553468                          | Y Clevis      | DTR   | Korea  | 115kV | 3754       | 210           | 1262        | 35    | L011770Y  | Grey   | 8.5kg  | SFVL035-B2801 |
| 553476                          | Ball & Socket | DTR   | Korea  | 115kV | 3893       | 210           | 1226        | 27    | L011771   | Grey   | 9.0kg  | SFVL027-B6801 |
| <b>220kV Suspension Strains</b> |               |       |        |       |            |               |             |       |           |        |        |               |
| 553484                          | Ball & Socket | DTR   | Korea  | 230kV | 7121       | 120           | 2096        | 67    | L011762   | Grey   | 11.9kg | SCGL067-A6811 |
| 553492                          | Ball & Socket | DTR   | Korea  | 230kV | 7606       | 120           | 2137        | 53    | L011763   | Grey   | 13.0kg | SCVL053-A6811 |
| 553506                          | Ball & Socket | DTR   | Korea  | 230kV | 7121       | 210           | 2105        | 67    | L011772   | Grey   | 12.4kg | SFGL067-B6811 |
| 553514                          | Ball & Socket | DTR   | Korea  | 230kV | 7607       | 210           | 2149        | 53    | L011773   | Grey   | 14.5kg | SCGL053-B6811 |
| <b>400kV Suspension Strains</b> |               |       |        |       |            |               |             |       |           |        |        |               |
| 553522                          | Ball & Socket | DTR   | Korea  | 500kV | 12804      | 120           | 3554        | 121   | L011764   | Grey   | 18.5kg | SCGL121-A6813 |
| 553530                          | Ball & Socket | DTR   | Korea  | 500kV | 13301      | 120           | 3557        | 93    | L011765   | Grey   | 21.7kg | SCVL093-A6813 |
| 553549                          | Ball & Socket | DTR   | Korea  | 500kV | 12804      | 210           | 3563        | 121   | L011774   | Grey   | 19.5kg | SFGL121-B6813 |
| 553557                          | Ball & Socket | DTR   | Korea  | 500kV | 13301      | 210           | 3569        | 93    | L011775   | Grey   | 22.7kg | SFVL093-B6813 |



GIG Standard Profile – Tongue &amp; Clevis



Bottom View

Clevis



Wooden Packaging

**11kV TOUGHENED GLASS DISCS FOR DISTRIBUTION (IEC 383-1)**

| Part Number                   | Description             | Brand | Origin  | Strength | Coupling        | Diameter | Creepage | Colour | Unit | Weight | Box/ Pallet | Drawing   |
|-------------------------------|-------------------------|-------|---------|----------|-----------------|----------|----------|--------|------|--------|-------------|-----------|
| <b>Standard Profile Discs</b> |                         |       |         |          |                 |          |          |        |      |        |             |           |
| 119350                        | GIG 11kV T&C Glass Disc | GIG   | Ukraine | 70kN     | Tongue & Clevis | 255mm    | 320mm    | Clear  | Each | 3.6kg  | 3/96        | U70C      |
| 119407                        | GIG 11kV B&S Glass Disc | GIG   | Ukraine | 70kN     | Ball & Socket   | 255mm    | 320mm    | Clear  | Each | 3.6kg  | 6/144       | U70BS(BL) |
| <b>Fog Profile Disc</b>       |                         |       |         |          |                 |          |          |        |      |        |             |           |
| 119415                        | GIG 11kV B&S Fog Disc   | GIG   | Ukraine | 70kN     | Ball & Socket   | 280mm    | 450mm    | Clear  | Each | 5.3kg  | 3/96        | LXHY5-70  |



GIG TRANSMISSION Glass Discs

## HV TOUGHENED GLASS DISCS FOR TRANSMISSION (IEC 60305)

| Part Number      | Description       | Brand | Origin  | Failing | Puncture | Coupling      | Diameter | Creepage | Spacing | Unit Weight | Box/ Pallet | Drawing |
|------------------|-------------------|-------|---------|---------|----------|---------------|----------|----------|---------|-------------|-------------|---------|
| <b>GIG 120kN</b> |                   |       |         |         |          |               |          |          |         |             |             |         |
| 118001           | U120B Glass Disc  | GIG   | Ukraine | 120kN   | 130kV    | Ball & Socket | 255mm    | 320mm    | 146mm   | Each 3.9kg  | 5/120       | N-620R  |
| <b>GIG 160kN</b> |                   |       |         |         |          |               |          |          |         |             |             |         |
| 118028           | U160BS Glass Disc | GIG   | Ukraine | 160kN   | 130kV    | Ball & Socket | 280mm    | 385mm    | 146mm   | Each 6.1kg  | 6/126       | N-101B  |
| <b>GIG 300kN</b> |                   |       |         |         |          |               |          |          |         |             |             |         |
| 118036           | U300B Glass Disc  | GIG   | Russia  | 300kN   | 130kV    | Ball & Socket | 320mm    | 390mm    | 195mm   | Each 10.0kg | 4/36        | N-696   |



DTR 12kV Class 1 (CA12/10.HD)



Made in Korea



32mm Top



Nema Bracket



Base Fitting

## 12kV POLYMER SURGE ARRESTERS (IEC 60099-4)

| Part Number          | Description           | Brand | Origin | Rated Current | MCOV   | Top Fitting | Bracket | Colour | Box/ Pallet | Drawing       |
|----------------------|-----------------------|-------|--------|---------------|--------|-------------|---------|--------|-------------|---------------|
| 12kV Surge Arresters |                       |       |        |               |        |             |         |        |             |               |
| 553042               | DTR 12kV 10kA Class 1 | DTR   | Korea  | 12kV 10kA     | 10.2kV | 32mm        | Nema    | Grey   | 3/168       | CA12/10.HD    |
| 553077               | DTR 12kV 10kA Class 1 | DTR   | Korea  | 12kV 10kA     | 10.2kV | 100mm       | Nema    | Grey   | 3/168       | CA12/10.HD100 |
| 553204               | DTR 12kV 10kA Class 2 | DTR   | Korea  | 12kV 10kA     | 9.6kV  | 32mm        | Nema    | Grey   | 3/168       | CA12/10.2D    |



DTR 15kV (CA15/10.2D)

**15kV POLYMER SURGE ARRESTER (IEC 60099-4)**

| Part Number         | Description           | Brand | Origin | Rated Current | MCOV | Top Fitting | Bracket | Colour | Box/ Pallet | Drawing             |
|---------------------|-----------------------|-------|--------|---------------|------|-------------|---------|--------|-------------|---------------------|
| 15kV Surge Arrester |                       |       |        |               |      |             |         |        |             |                     |
| 553646              | DTR 15kV 10kA Class 2 | DTR   | Korea  | 15kV          | 10kA | 12.0kV      | 32mm    | Nema   | Grey        | 3/168 1CA015102-003 |

DTR 18kV Alt Sheds (CA18/10.1D)



Nema Bracket



DTR 18kV (CA18/10.2D)

## 18kV POLYMER SURGE ARRESTERS (IEC 60099-4)

| Part Number                 | Description                       | Brand | Origin | Rated Current | MCOV   | Top Fitting | Bracket | Colour | Box/ Pallet | Drawing            |
|-----------------------------|-----------------------------------|-------|--------|---------------|--------|-------------|---------|--------|-------------|--------------------|
| <b>18kV Surge Arresters</b> |                                   |       |        |               |        |             |         |        |             |                    |
| 553050                      | DTR 18kV 10kA Class 1 (Alt Sheds) | DTR   | Korea  | 18kV 10kA     | 15.3kV | 32mm        | Nema    | Grey   | 3/168       | CA18/10.1D (Rev A) |
| 553565                      | DTR 18kV 10kA Class 2             | DTR   | Korea  | 18kV 10kA     | 15.3kV | 32mm        | Nema    | Grey   | 3/168       | CA18/10.2D         |

DTR 33kV (CA33/10.2D)



Nema Bracket



DTR 33kV Alt Sheds (CA33/10.1D)

**33kV POLYMER SURGE ARRESTERS (IEC 60099-4)**

| Part Number                 | Description           | Brand | Origin | Rated Current | MC0V | Top Fitting | Bracket Colour | Box/ Pallet | Drawing         |
|-----------------------------|-----------------------|-------|--------|---------------|------|-------------|----------------|-------------|-----------------|
| <b>33kV Surge Arresters</b> |                       |       |        |               |      |             |                |             |                 |
| 554227                      | DTR 33kV 10kA Class 1 | DTR   | Korea  | 33kV          | 10kA | 28.05kV     | 32mm Nema      | Grey        | 1/60 CA33/10.1D |
| 554235                      | DTR 33kV 10kA Class 2 | DTR   | Korea  | 33kV          | 10kA | 26.4kV      | 32mm Nema      | Grey        | 1/60 CA33/10.2D |



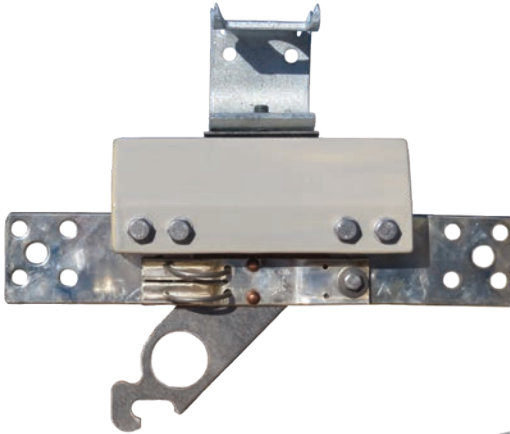
LVI Bottom View



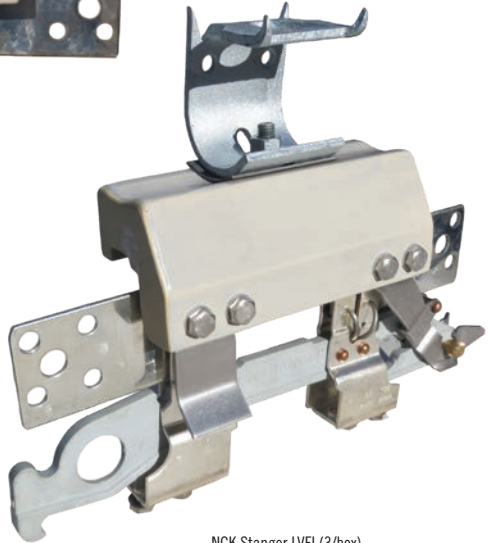
LVI Top View



LVFI Lower End View



NGK Stanger LVI (3/box)



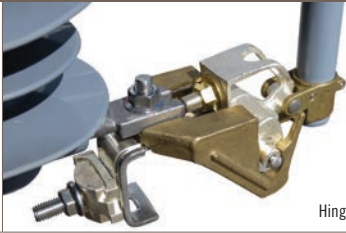
NGK Stanger LVFI (3/box)

## SOLID LINK LVI & FUSED LINK LVFI ISOLATORS

| Part Number                   | Description                      | Brand | Origin    | Rated Current | Contacts | Standard              | Weight | Box/ Pallet | Drawing |
|-------------------------------|----------------------------------|-------|-----------|---------------|----------|-----------------------|--------|-------------|---------|
| <b>Single Solid Link LVI</b>  |                                  |       |           |               |          |                       |        |             |         |
| 258377                        | NGK-S Low Voltage Isolator       | NGK-S | Australia | 480V          | 630A     | Silver M12 AS175-1975 | 2.5kg  | 3           | NZ4284  |
| <b>Single Fused Link LVFI</b> |                                  |       |           |               |          |                       |        |             |         |
| 258385                        | NGK-S Low Voltage Fused Isolator | NGK-S | Australia | 480V          | 630A     | Silver M12 AS175-1975 | 3.3kg  | 3           | NZ4286  |



Stainless Steel



Hinge



DTR Polymer 150BIL EDO with Stainless Steel Fittings



DTR EDO Coupling Insulator

Coupling Insulator Top View

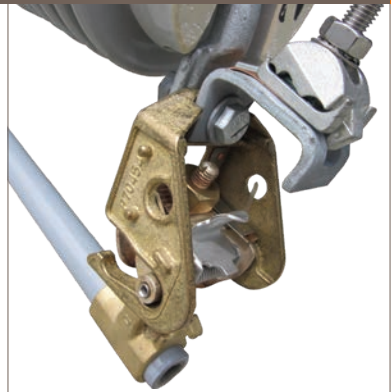


| POLYMER EDO DROPOUTS   |                        |       |        |       |       |         |          |         |        |             |                        |
|------------------------|------------------------|-------|--------|-------|-------|---------|----------|---------|--------|-------------|------------------------|
| Part Number            | Description            | Brand | Origin | Rated | BIL   | Current | Creepage | Length  | Colour | Weight      | Box/ Drawing<br>Pallet |
| 554448                 | DTR 15kV Polymer EDO   | DTR   | Korea  | 15kV  | 125kV | 100A    | 370mm    | 292.5mm | Grey   | 4.6kg       | 1/100 CSNL15-BP1-100D  |
| 554375                 | DTR 27kV Polymer EDO   | DTR   | Korea  | 27kV  | 150kV | 100A    | 580mm    | 383.5mm | Grey   | 5.6kg       | 1/86 CSNL27-BP1-100D   |
| 554413                 | DTR 36kV Polymer EDO   | DTR   | Korea  | 36kV  | 175kV | 100A    | 1080mm   | 513.5mm | Grey   | 6.4kg       | 1/44 CSNL36-BP1-100D   |
| EDO Coupling Insulator |                        |       |        |       |       |         |          |         |        |             |                        |
| Part Number            | Description            | Brand | Origin | Rated | kN    | Leakage | Length   | Colour  | Weight | Box/ Pallet | Drawing                |
| 553098                 | EDO Coupling Insulator | DTR   | Korea  | 15kV  | 9.8   | 450mm   | 265mm    | Grey    | 1.2kg  | 20/600      | CI265-120AL            |





12-24kV 150BIL EDO (100A)



Hinge



Contact Mechanism

## 100A PORCELAIN EDO C-TYPE DROPOUT SWITCHES

| Part Number                      | Description                      | Brand Origin    | BIL   | Current | Creepage | Breaking  | Colour | Standard      | Weight | Box/ Drawing | Pallet          |
|----------------------------------|----------------------------------|-----------------|-------|---------|----------|-----------|--------|---------------|--------|--------------|-----------------|
| <b>150BIL EDO with Fuse Tube</b> |                                  |                 |       |         |          |           |        |               |        |              |                 |
| 539023                           | NGK-S 12/24kV Porcelain EDO      | NGK-S Australia | 150kV | 100A    | 475mm    | 8kA@ 12kV | Grey   | AS/NZS 1033.1 | 12.8kg | 1/42         | 72298/15        |
| <b>170BIL EDO with Fuse Tube</b> |                                  |                 |       |         |          |           |        |               |        |              |                 |
| 539031                           | NGK-S 24/36kV Porcelain EDO      | NGK-S Australia | 170kV | 100A    | 600mm    | 6kA@ 24kV | Grey   | AS/NZS 1033.1 | 13.3kg | 1/28         | 72299/ 27NORQEB |
| <b>EDO Optional Accessories</b>  |                                  |                 |       |         |          |           |        |               |        |              |                 |
|                                  | NGK-S EDO Earthing Stirrup       | NGK-S Australia |       |         |          |           |        |               |        |              | 70450/6         |
|                                  | NGK-S EDO Fire Prevention Device | NGK-S Australia |       |         |          |           |        |               |        |              | 72835           |
|                                  | NGK-S EDO Birdproof Cover        | NGK-S Australia |       |         |          |           |        |               |        |              | 72905           |



# NGK STANGER Polymer EDO Dropouts



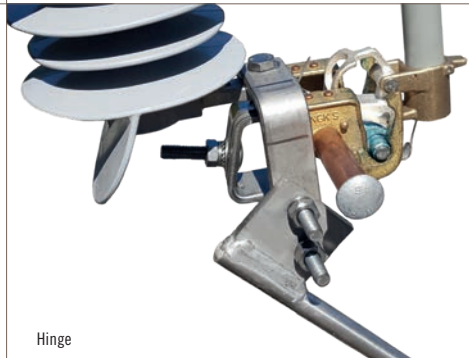
170BIL EDO with  
Earthing Stirrup



170BIL EDO



Earthing Stirrup



Hinge

## 100A POLYMER EDO C-TYPE DROPOUT SWITCHES

| Part Number | Description               | Brand | Origin    | BIL   | Current | Creepage | Breaking   | Colour | Weight | Box/ Pallet | Drawing  |
|-------------|---------------------------|-------|-----------|-------|---------|----------|------------|--------|--------|-------------|----------|
| 539384      | NGK-S 12/24kV Polymer EDO | NGK-S | Australia | 150kV | 100A    | 820mm    | 8kA @ 12kV | Grey   | 4.7kg  | 1/42        | 72298/17 |
| 539341      | NGK-S 24/36kV Polymer EDO | NGK-S | Australia | 170kV | 100A    | 1045mm   | 6kA @ 24kV | Grey   | 4.9kg  | 1/22        | 72299/26 |



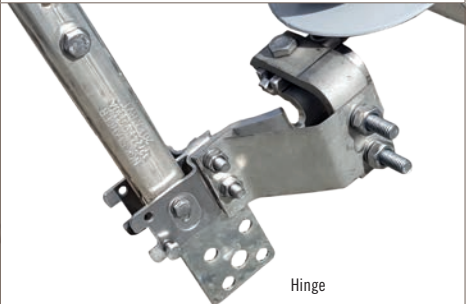
150BIL HVI with  
Earthing Stirrup



150BIL HVI



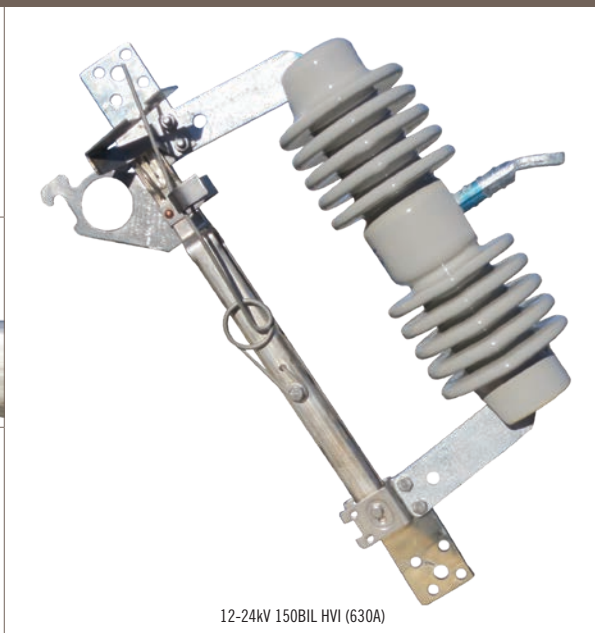
Contact  
Mechanism



Hinge

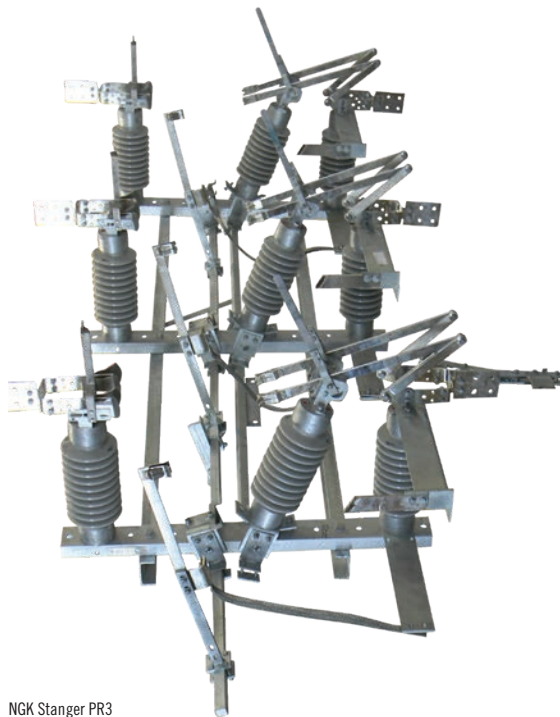
## 630A POLYMER HVI C-TYPE SOLID LINKS

| Part Number       | Description                            | Brand | Origin    | BIL   | Current | Creepage | Breaking        | Colour | Standard | Weight | Box/<br>Pallet | Drawing    |
|-------------------|----------------------------------------|-------|-----------|-------|---------|----------|-----------------|--------|----------|--------|----------------|------------|
| <b>150BIL HVI</b> |                                        |       |           |       |         |          |                 |        |          |        |                |            |
| 539503            | NGK-S<br>12/24kV 150BIL<br>Polymer HVI | NGK-S | Australia | 150kV | 630A    | 820mm    | 20kA @<br>1 sec | Grey   | AS1306   | 6.8kg  | 1/24           | 70414/AUG1 |
| 539376            | NGK-S<br>12/24kV<br>Single Pole HVI    | NGK-S | Australia | 150kV | 630A    | 820mm    | 20kA @<br>1 sec | Grey   | AS1306   | 6.8kg  | 1/24           | 70414/EE   |
| <b>170BIL HVI</b> |                                        |       |           |       |         |          |                 |        |          |        |                |            |
| 539368            | NGK-S<br>24/36kV<br>Single Pole HVI    | NGK-S | Australia | 170kV | 630A    | 1045mm   | 20kA @<br>1 sec | Grey   | AS1306   | 7.2kg  | 1/24           | 70423/2EE  |



## 630A PORCELAIN HVI C-TYPE SOLID LINKS

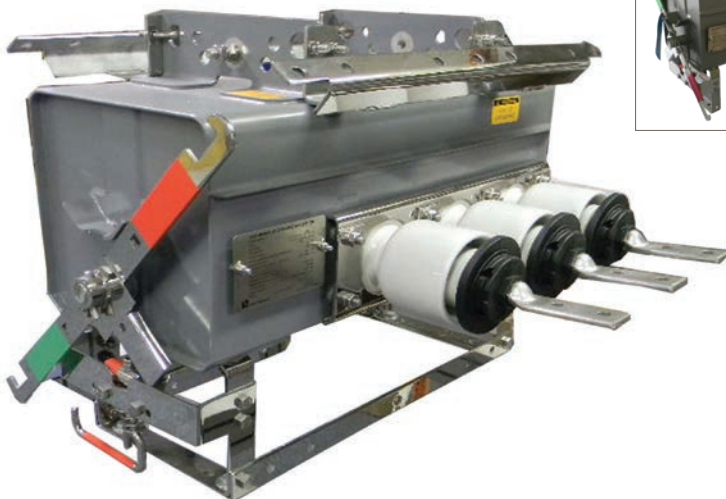
| Part Number                                      | Description                                   | Brand Origin    | BIL        | Current | Creepage S/T Current | Colour | Standard    | Weight | Box/ Pallet | Drawing   |
|--------------------------------------------------|-----------------------------------------------|-----------------|------------|---------|----------------------|--------|-------------|--------|-------------|-----------|
| <b>125BIL HVI</b>                                |                                               |                 |            |         |                      |        |             |        |             |           |
| 253634                                           | NGK-S 12kV Single Pole HVI                    | NGK-S Australia | 125kV 630A | 300mm   | 20kA at 1sec         | Grey   | AS/NZS 1025 | 9.0kg  | 1/28        | 70416WBB  |
| 253014                                           | NGK-S 12/24kV Single Pole HVI                 | NGK-S Australia | 125kV 630A | 300mm   | 20kA at 1sec         | Grey   | AS/NZS 1025 | 9.0kg  | 1/28        | 70416/NSW |
| <b>150BIL HVI</b>                                |                                               |                 |            |         |                      |        |             |        |             |           |
| 539058                                           | NGK-S 12/24kV Single Pole HVI                 | NGK-S Australia | 150kV 630A | 475mm   | 20kA at 1sec         | Grey   | AS/NZS 1306 | 10.5kg | 1/28        | 70414/NSW |
| <b>170BIL HVI</b>                                |                                               |                 |            |         |                      |        |             |        |             |           |
| 539228                                           | NGK-S 24/36kV Single Pole HVI                 | NGK-S Australia | 170kV 630A | 600mm   | 20kA at 1sec         | Grey   | AS/NZS 1306 | 12.0kg | 1/28        | 70423/1   |
| 539007                                           | NGK-S 24/36kV Single Pole HVI                 | NGK-S Australia | 170kV 630A | 600mm   | 20kA at 1sec         | Grey   | AS/NZS 1306 | 12.0kg | 1/28        | 70423/1EE |
| 539236                                           | NGK-S 24/36kV Single Pole HVI + Earth Stirrup | NGK-S Australia | 170kV 630A | 600mm   | 20kA at 1sec         | Grey   | AS/NZS 1306 | 13.5kg | 1/28        | 70423/2CE |
| <b>Universal Mounting Brackets for NGK-S HVI</b> |                                               |                 |            |         |                      |        |             |        |             |           |
| 253006                                           | NGK-S HVI Mounting Bracket (Z)                | NGK-S Australia |            |         |                      |        |             |        |             | 69196     |
| 253472                                           | NGK-S HVI Mounting Bracket (Y)                | NGK-S Australia |            |         |                      |        |             |        |             | 69194     |



NGK Stanger PR3

## MANUAL PR3 AIR BREAK SWITCHES

| Part Number                                    | Description                           | Brand | Origin    | Rating | Current | BIL   | Rate S/T Current | Standard             | Drawing |
|------------------------------------------------|---------------------------------------|-------|-----------|--------|---------|-------|------------------|----------------------|---------|
| <b>Manual Flicker Style Air Break Switches</b> |                                       |       |           |        |         |       |                  |                      |         |
| 539139                                         | NGK-S 12kV PR3 Vert/Hor ABS           | NGK-S | Australia | 12kV   | 630A    | 150kV | 20kA at 1sec     | AS/NZS ISO 9001:2008 | 69118   |
| 539147                                         | NGK-S 24kV PR3 Vert/Hor ABS           | NGK-S | Australia | 24kV   | 630A    | 150kV | 16kA at 1sec     | AS/NZS ISO 9001:2008 | 69119   |
| 539155                                         | NGK-S 36kV PR3 Vert/Hor ABS           | NGK-S | Australia | 36kV   | 630A    | 200kV | 20kA at 1sec     | AS/NZS ISO 9001:2008 | 69120   |
| <b>Optional Accessories for NGK-S ABS</b>      |                                       |       |           |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Earth Switch (24&36kV only) | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Dropout Fuse Mount          | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Crossarm                    | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Operating Handle            | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Mounting Bracket Kit        | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS Double Break Interrupter    | NGK-S | Australia |        |         |       |                  |                      |         |
|                                                | NGK-S ABS ARCBREK 5 Interrupter       | NGK-S | Australia |        |         |       |                  |                      |         |



Compact 12kV SF6 (NGK Stanger 91776)



Compact 24kV SF6

**MANUAL SF6 LOAD BREAK GAS SWITCHES**

| Part Number                                     | Description                                 | Brand | Origin    | Rating | Current | Making Current | Standard                | Weight | Drawing |
|-------------------------------------------------|---------------------------------------------|-------|-----------|--------|---------|----------------|-------------------------|--------|---------|
| <b>Manual SF6 Gas Switches</b>                  |                                             |       |           |        |         |                |                         |        |         |
| 539082                                          | NGK-S 12kV SF6 Compact Gas Switch           | NGK-S | Australia | 12kV   | 630A    | 41.6kA         | AS/NZS<br>ISO 9001:2008 | 75kg   | 91776   |
| 539090                                          | NGK-S 24kV SF6 Compact Gas Switch           | NGK-S | Australia | 24kV   | 630A    | 41.6kA         | AS/NZS<br>ISO 9001:2008 | 95kg   | 90030   |
| 539104                                          | NGK-S 36kV SF6 Gas Switch                   | NGK-S | Australia | 36kV   | 630A    | 33kA           | AS/NZS<br>ISO 9001:2008 | 180kg  | 90036   |
| <b>Optional Accessories for all SF6</b>         |                                             |       |           |        |         |                |                         |        |         |
|                                                 | NGK-S SF6 Safety Locking Kit                | NGK-S | Australia |        |         |                |                         |        | 91777   |
| <b>Optional Accessories for 12&amp;24kV SF6</b> |                                             |       |           |        |         |                |                         |        |         |
|                                                 | NGK-S SF6 12/24 Crossarm                    | NGK-S | Australia |        |         |                |                         |        | 91743   |
|                                                 | NGK-S SF6 12/24 Surge Diverter Mounting Kit | NGK-S | Australia |        |         |                |                         |        | 91806   |
|                                                 | NGK-S SF6 12/24 Mid Pole Actuator Kit       | NGK-S | Australia |        |         |                |                         |        | 95110   |
| <b>Optional Accessories for 36kV SF6</b>        |                                             |       |           |        |         |                |                         |        |         |
|                                                 | NGK-S SF6 36 Crossarm                       | NGK-S | Australia |        |         |                |                         |        | 90481   |
|                                                 | NGK-S SF6 36 Pole Top Mounting Kit          | NGK-S | Australia |        |         |                |                         |        | 90498   |
|                                                 | NGK-S SF6 36 Surge Diverter Mounting Kit    | NGK-S | Australia |        |         |                |                         |        | 95001   |



## FULTON 13mm EARTH RODS & ACCESSORIES

| Part Number                            | Description                          | Brand  | Origin    | Diameter | Length | Detail                            | Unit | Weight | Pack Qty | Drawing |
|----------------------------------------|--------------------------------------|--------|-----------|----------|--------|-----------------------------------|------|--------|----------|---------|
| <b>13mm Copper Plated Earth Rods</b>   |                                      |        |           |          |        |                                   |      |        |          |         |
| 524433                                 | Fulton CPR-13-1800                   | Fulton | Australia | 13mm     | 1800mm | 250micron                         | Each | 1.8kg  | 10       | 8-S0338 |
| <b>Accessories for 13mm Earth Rods</b> |                                      |        |           |          |        |                                   |      |        |          |         |
| 524441                                 | Fulton BC13LP Brass Coupler          | Fulton | Australia | Fit 13mm | 72mm   | —                                 | Each | 70g    | 10       | 8-S0299 |
| 524557                                 | Fulton TP13P Earth Rod Tapered Point | Fulton | Australia | Fit 13mm | 36mm   | —                                 | Each | 70g    | 10       | 8-S0371 |
| 523119                                 | Fulton TPS13 Star Point              | Fulton | Australia | Fit 13mm | 72mm   | —                                 | Each | 100g   | 20       | 658-A4  |
| 523755                                 | Fulton 13D-1 Brass Clip              | Fulton | Australia | Fit 13mm | —      | —                                 | Each | 20g    | 20       | 8-S0046 |
| 523178                                 | Fulton ERDP-1 Driving Pin            | Fulton | Australia | —        | 32mm   | —                                 | Each | 10g    | 25       | 1161-A4 |
| 523461                                 | Fulton DHT13 Driving Head Tool       | Fulton | Australia | Fit 13mm | 102mm  | —                                 | Each | 300g   | 5        | 659-A4  |
| 523488                                 | Fulton K900DM13 Kango Driving Moil   | Fulton | Australia | Fit 13mm | 227mm  | —                                 | Each | 570g   | 1        | 1311-A4 |
| <b>Clamps for 13mm Earth Rods</b>      |                                      |        |           |          |        |                                   |      |        |          |         |
| 523070                                 | Fulton REB12/15 Clamp                | Fulton | Australia | —        | 40mm   | Cable Range 10-70mm <sup>2</sup>  | Each | 100g   | 20       | 8-S0034 |
| 523844                                 | Fulton REX16-120 Clamp               | Fulton | Australia | —        | 64mm   | Cable Range 16-120mm <sup>2</sup> | Each | 260g   | 10       | 945-A4  |
| 523089                                 | Fulton REC35-120 Clamp               | Fulton | Australia | —        | 67mm   | Cable Range 35-120mm <sup>2</sup> | Each | 150g   | 10       | 611-A4  |

## FULTON 15 & 19mm Earth Rods & Accessories



### FULTON 15mm/19mm EARTH RODS & ACCESSORIES

| Part Number                            | Description                           | Brand  | Origin    | Diameter | Length | Detail                            | Unit | Weight | Pack Qty | Drawing |
|----------------------------------------|---------------------------------------|--------|-----------|----------|--------|-----------------------------------|------|--------|----------|---------|
| <b>15mm Copper Plated Earth Rod</b>    |                                       |        |           |          |        |                                   |      |        |          |         |
| 524468                                 | Fulton CPR-15-1800 Earth Rod          | Fulton | Australia | 15mm     | 1800mm | 250micron                         | Each | 2.3kg  | 5        | 8-S0340 |
| 524476                                 | Fulton CPR-15-2400 Earth Rod          | Fulton | Australia | 15mm     | 2400mm | 250micron                         | Each | 3.0kg  | 5        | 8-S0341 |
| <b>Accessories for 15mm Earth Rods</b> |                                       |        |           |          |        |                                   |      |        |          |         |
| 524484                                 | Fulton BCP15P Brass Coupler           | Fulton | Australia | Fit 15mm | 70mm   | —                                 | Each | 70g    | 20       | 8-S0300 |
| 524565                                 | Fulton TP15P Earth Rod Tapered Point  | Fulton | Australia | Fit 13mm | 37mm   | —                                 | Each | 80g    | 10       | 8-S0010 |
| 523577                                 | Fulton TPS15 Star Point               | Fulton | Australia | Fit 15mm | 72mm   | —                                 | Each | 95g    | 10       | 617-A4  |
| 524158                                 | Fulton DHT15 Driving Head Tool        | Fulton | Australia | Fit 15mm | 102mm  | —                                 | Each | 300g   | 1        | 1239-A4 |
| 524360                                 | Fulton K900DM15 Driving Moil          | Fulton | Australia | Fit 15mm | 222mm  | —                                 | Each | 570g   | 1        | 1309-A4 |
| <b>Clamps for 15mm Earth Rods</b>      |                                       |        |           |          |        |                                   |      |        |          |         |
| 523070                                 | Fulton REB12/15 Clamp                 | Fulton | Australia |          | 40mm   | Cable Range 10-70mm <sup>2</sup>  | Each | 100g   | 20       | 8-S0034 |
| 523844                                 | Fulton REX16-120 Clamp                | Fulton | Australia |          | 40mm   | Cable Range 16-120mm <sup>2</sup> | Each | 260g   | 10       | 945-A4  |
| 524352                                 | Fulton RET25-120/3 Clamp for 3 Cables | Fulton | Australia |          | 74mm   | Cable Range 25-120mm <sup>2</sup> | Each | 700g   | 10       | 1290-A4 |
| 523089                                 | Fulton REC35-120 Clamp                | Fulton | Australia |          | 67mm   | Cable Range 35-120mm <sup>2</sup> | Each | 150g   | 10       | 611-A4  |
| <b>19mm Copper Plated Earth Rod</b>    |                                       |        |           |          |        |                                   |      |        |          |         |
| 524492                                 | Fulton CPR-19-1800 Earth Rod          | Fulton | Australia | 19mm     | 1800mm | 250micron                         | Each | 3.3kg  | 5        | 8-S0342 |
| 524506                                 | Fulton CPR-19-2400 Earth Rod          | Fulton | Australia | 19mm     | 2400mm | 250micron                         | Each | 4.4kg  | 5        | 8-S0355 |
| <b>Accessories for 19mm Earth Rods</b> |                                       |        |           |          |        |                                   |      |        |          |         |
| 524514                                 | Fulton BC19P Brass Coupler            | Fulton | Australia | Fit 19mm | 95mm   | —                                 | Each | 155g   | 20       | 8-S0301 |
| 523151                                 | Fulton TP19 Earth Rod Point           | Fulton | Australia | Fit 19mm | 60mm   | —                                 | Each | 95g    | 10       | 1304-A4 |
| 523143                                 | Fulton DHT19 Driving Head Tool        | Fulton | Australia | Fit 19mm | 102mm  | —                                 | Each | 300g   | 1        | 1305-A4 |
| 524379                                 | Fulton K900DM19 Driving Moil          | Fulton | Australia | Fit 19mm | 222mm  | —                                 | Each | 570g   | 1        | 1306-A4 |
| <b>Clamps for 19mm Earth Rods</b>      |                                       |        |           |          |        |                                   |      |        |          |         |
| 523615                                 | Fulton EC2 Earth Clamp                | Fulton | Australia |          | 110mm  | Cable Range 16-25mm <sup>2</sup>  | Each | 485g   | 10       | 1308-A4 |
| 523844                                 | Fulton REX16-120 Clamp                | Fulton | Australia |          | 40mm   | Cable Range 16-120mm <sup>2</sup> | Each | 260g   | 10       | 945-A4  |
| 524352                                 | Fulton RET25-120/3 Clamp for 3 Cables | Fulton | Australia |          | 74mm   | Cable Range 25-120mm <sup>2</sup> | Each | 700g   | 10       | 1290-A4 |





## AVON HDG & STAINLESS STEEL EARTH RODS

| Part Number                                 | Description                                  | Brand | Origin | Length | Diameter | Construction  | Unit | Weight | Pack Qty | Drawing |
|---------------------------------------------|----------------------------------------------|-------|--------|--------|----------|---------------|------|--------|----------|---------|
| <b>16mm HDG Steel Earth Rods</b>            |                                              |       |        |        |          |               |      |        |          |         |
| 537071                                      | Avon 16mm Pointed Earth Rod (no tab)         | Avon  | NZ     | 2.0m   | 16mm     | HDG Steel     | Each | 3.3kg  | 10       | AA24005 |
| 537098                                      | Avon 16mm Pointed Earth Rod (with HD12A Tab) | Avon  | NZ     | 2.0m   | 16mm     | HDG Steel     | Each | 3.3kg  | 10       | AA24009 |
| <b>Coupler for Avon HDG Earth Rods</b>      |                                              |       |        |        |          |               |      |        |          |         |
| 537101                                      | Avon 16mm HDG Earth Rod Coupler              | Avon  | NZ     | 110mm  | 16mm     | HDG Steel     | Each | 200g   | 10       | AA24024 |
| <b>12mm Stainless Steel Earth Rod</b>       |                                              |       |        |        |          |               |      |        |          |         |
| 537128                                      | Avon 12mm Tapered Earth Rod (no tab)         | Avon  | NZ     | 1.5m   | 12mm     | 316 Stainless | Each | 1.4kg  | 10       | AA24021 |
| <b>Coupler for Avon Stainless Earth Rod</b> |                                              |       |        |        |          |               |      |        |          |         |
| 537136                                      | Avon 12mm Stainless Earth Rod Coupler        | Avon  | NZ     | 85mm   | 12mm     | 316 Stainless | Each | 50g    | 10       | AA24015 |





Good Earth



Fulton Earthing Rod Pit

FULTON EARTH ROD PIT & EARTHING COMPOUND

| Part Number              | Description            | Brand  | Origin    | Footprint     | Depth | Detail                   | Unit | Weight | Pack Qty | Drawing |
|--------------------------|------------------------|--------|-----------|---------------|-------|--------------------------|------|--------|----------|---------|
| Earth Rod Inspection Pit |                        |        |           |               |       |                          |      |        |          |         |
| 523763                   | Fulton PT205 Pit + Lid | Fulton | Australia | 256x256       | 212mm | Black Poly + Grey HD Lid | Each | 1.8kg  | 1        | 927-A4  |
| Earthing Compound        |                        |        |           |               |       |                          |      |        |          |         |
| 523704                   | Fulton 15kg Good Earth | Fulton | Australia | Covers 0.03m³ | —     | Bentonite/ Gypsum mix    | Bag  | 15kg   | 1        |         |





SL-4/12



TODL-7/19



SCI-6/19 One Bolt



CTC-1



CTC-2



SC2-6/19 Two Bolt

**TAPS, LUGS, SERVICE & CTC BOLTED CONNECTORS**

| Part Number                            | Description                    | Brand  | Origin    | Construction      | Conductor      | Conductor    | Unit Weight | Box Qty |
|----------------------------------------|--------------------------------|--------|-----------|-------------------|----------------|--------------|-------------|---------|
| <b>Aluminium Service Taps</b>          |                                |        |           |                   |                |              |             |         |
| 524344                                 | Fulton SL-4/12 Service Tap     | Fulton | Australia | Aluminium         | 7/3.00-7/4.75  | 9.0-14.3mm   | Each 100g   | 10      |
| 524166                                 | Fulton SL-7/19 Service Tap     | Fulton | Australia | Aluminium         | 7/4.5-19/3.75  | 13.5-18.8mm  | Each 200g   | 10      |
| <b>Aluminium Lugs</b>                  |                                |        |           |                   |                |              |             |         |
| 524174                                 | Fulton TODL-7/19 Lug           | Fulton | Australia | Aluminium         | 7/2.5-19/3.75  | 7.0-19.0mm   | Each 375g   | 10      |
| 524182                                 | Fulton TODL-7/19ET 'Bling' Lug | Fulton | Australia | Bright ETP Ali    | 7/2.5-19/3.75  | 7.0-19.0mm   | Each 375g   | 10      |
| <b>SC Aluminium Service Connectors</b> |                                |        |           |                   |                |              |             |         |
| 524190                                 | Fulton SC1-6/19 One-Bolt       | Fulton | Australia | Ali + Copper Loop | 7/2.25-19/3.75 | 6.75-18.75mm | Each 200g   | 10      |
| 524204                                 | Fulton SC2-6/19 Two-Bolt       | Fulton | Australia | Ali + Copper Loop | 7/2.25-19/3.75 | 6.75-18.75mm | Each 400g   | 10      |
| <b>CTC Consumer Tee Connectors</b>     |                                |        |           |                   |                |              |             |         |
| 524212                                 | Fulton CTC-1 Single Leg        | Fulton | Australia | Aluminium         | 7/2.25-19/3.75 | 6.75-18.75mm | Each 175g   | 10      |
| 524220                                 | Fulton CTC-1 Double Leg        | Fulton | Australia | Aluminium         | 7/2.25-19/3.75 | 6.75-18.75mm | Each 260g   | 10      |



TO-7/19



TOD-4/12 Double



TOD-7/19 Triple



CV4P



CV6P



CV9P

## TEE-OFF &amp; RISING MAIN CONNECTORS

| Part Number                           | Description                           | Brand  | Origin    | Construction | Stainless | Conductor              | Length | Unit | Weight | Box Qty |
|---------------------------------------|---------------------------------------|--------|-----------|--------------|-----------|------------------------|--------|------|--------|---------|
| <b>Tee-Off Connectors</b>             |                                       |        |           |              |           |                        |        |      |        |         |
| 524018                                | Fulton TO-4/12 Single Bolted Tee-Off  | Fulton | Australia | Aluminium    | 304       | 4-12mm <sup>2</sup>    | 51     | Each | 200g   | 50      |
| 523453                                | Fulton TO-7/19 Single Bolted Tee-Off  | Fulton | Australia | Aluminium    | 304       | 7-19mm <sup>2</sup>    | 70     | Each | 237g   | 50      |
| 523003                                | Fulton TOD-4/12 Double Bolted Tee-Off | Fulton | Australia | Aluminium    | 304       | 4-12mm <sup>2</sup>    | 70     | Each | 210g   | 50      |
| 523011                                | Fulton TOD-7/19 Double Bolted Tee-Off | Fulton | Australia | Aluminium    | 304       | 7-19mm <sup>2</sup>    | 95     | Each | 475g   | 30      |
| 523720                                | Fulton TOD-7/19 Triple Bolted Tee-Off | Fulton | Australia | Aluminium    | 304       | 7-19mm <sup>2</sup>    | 143    | Each | 800g   | 10      |
| <b>3-Piece Rising Main Connectors</b> |                                       |        |           |              |           |                        |        |      |        |         |
| 524026                                | Fulton CV3P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 50-95mm <sup>2</sup>   | 58     | Each |        | 15      |
| 524034                                | Fulton CV4P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 120-240mm <sup>2</sup> | 58     | Each |        | 15      |
| 524042                                | Fulton CV5P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 120-300mm <sup>2</sup> | 58     | Each |        | 15      |
| 524050                                | Fulton CV6P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 120-240mm <sup>2</sup> | 70     | Each | 950g   | 15      |
| 523747                                | Fulton CV8P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 300-800mm <sup>2</sup> | 77     | Each |        | 15      |
| 524069                                | Fulton CV9P Rising Main               | Fulton | Australia | Gunmetal ETP | 316       | 240-500mm <sup>2</sup> | 86     | Each | 1.4kg  | 15      |



B22T



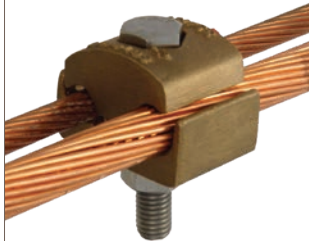
B24T



B28T



CT03/11



SCT025



DCT025

**SPLIT BOLT CONNECTORS & PARALLEL GROOVE CLAMPS**

| Part Number            | Description                             | Brand  | Origin    | Construction          | Conductor          | Conductor | Conductor        | Unit | Weight | Box Qty |
|------------------------|-----------------------------------------|--------|-----------|-----------------------|--------------------|-----------|------------------|------|--------|---------|
| Split Bolt Connectors  |                                         |        |           |                       |                    |           |                  |      |        |         |
| 524239                 | Fulton B22T Split Bolt Clamp            | Fulton | Australia | ETP Brass             | 16mm <sup>2</sup>  | 5.1mm     | 7/064            | Each |        | 50      |
| 524247                 | Fulton B24T Split Bolt Clamp            | Fulton | Australia | ETP Brass             | 35mm <sup>2</sup>  | 8.3mm     | 7/104            | Each |        | 25      |
| 524255                 | Fulton B25T Split Bolt Clamp            | Fulton | Australia | ETP Brass             | 70mm <sup>2</sup>  | 10.7mm    | 19/083           | Each |        | 25      |
| 524263                 | Fulton B26T Split Bolt Clamp            | Fulton | Australia | ETP Brass             | 95mm <sup>2</sup>  | 12.6mm    | 19/101           | Each |        | 10      |
| 524271                 | Fulton B28T Split Bolt Clamp            | Fulton | Australia | ETP Brass             | 185mm <sup>2</sup> | 17.64mm   | 37/130           | Each |        | 4       |
| Part Number            | Description                             | Brand  | Origin    | Joining               |                    | Length    | Construction     | Unit | Weight | Box Qty |
| Parallel Groove Clamps |                                         |        |           |                       |                    |           |                  |      |        |         |
| 524298                 | Fulton CT03/11 M8 Single Bolt PG Clamp  | Fulton | Australia | 10-70mm <sup>2</sup>  |                    | 25mm      | CU + 304 Fixings | Each | 120g   | 10      |
| 524301                 | Fulton DCT03/11 M8 Double Bolt PG Clamp | Fulton | Australia | 10-70mm <sup>2</sup>  |                    | 51mm      | CU + 304 Fixings | Each | 240g   | 10      |
| 524328                 | Fulton SCT025 M12 Single Bolt PG Clamp  | Fulton | Australia | 35-150mm <sup>2</sup> |                    | 34mm      | CU + 304 Fixings | Each | 400g   | 5       |
| 524336                 | Fulton DCT025 M12 Double Bolt PG Clamp  | Fulton | Australia | 35-150mm <sup>2</sup> |                    | 71mm      | CU + 304 Fixings | Each | 790g   | 5       |

FULTON WEDGE Clamp



Top View



Back View



Bottom View



One Size Fits All ECW-1 (25-95mm<sup>2</sup>)

| Cable Size         | Rod Diameter (mm) |        | Cable Size (mm <sup>2</sup> ) |    |    |    |    |     |
|--------------------|-------------------|--------|-------------------------------|----|----|----|----|-----|
|                    | Ø12-13            | Ø14-16 | 25                            | 35 | 50 | 70 | 95 | 120 |
| 25mm <sup>2</sup>  | •                 | •      |                               |    |    | •  | •  | •   |
| 35mm <sup>2</sup>  | •                 | •      |                               | •  | •  | •  | •  | •   |
| 50mm <sup>2</sup>  | •                 | •      |                               | •  | •  | •  | •  | •   |
| 70mm <sup>2</sup>  | •                 | •      | •                             | •  | •  | •  | •  | •   |
| 95mm <sup>2</sup>  | •                 |        | •                             | •  | •  | •  | •  | •   |
| 120mm <sup>2</sup> |                   |        | •                             | •  | •  | •  | •  |     |

FULTON WEDGE CLAMP

| Part Number                   | Description  | Brand  | Origin    | Conductor Range        | Length | Construction | Bolts         | Unit | Weight | Pack Qty | Drawing |
|-------------------------------|--------------|--------|-----------|------------------------|--------|--------------|---------------|------|--------|----------|---------|
| One-Size-Fits-All Wedge Clamp |              |        |           |                        |        |              |               |      |        |          |         |
| 524107                        | Fulton ECW-1 | Fulton | Australia | 25-95mm <sup>2</sup> * | 56mm   | Gunmetal     | 304 Stainless | Each | 450g   | 25       | 8-S0182 |

\* 25-95mm<sup>2</sup> cable to 13mm Ø earth rod ONLY as per above table.





Lineguard 160A



Mini Wedge

## LINEGUARD DISCONNECTS & MINI WEDGE FUSEHOLDER

| Part Number                            | Description                                     | Brand | Origin | Amps | Colour | Detail                        | Complies With | Unit | Weight | Box Qty |
|----------------------------------------|-------------------------------------------------|-------|--------|------|--------|-------------------------------|---------------|------|--------|---------|
| <b>Lineguard Disconnects</b>           |                                                 |       |        |      |        |                               |               |      |        |         |
| 468436                                 | NZI 160A Single Phase NH00 Disconnect           | NZI   | NZ     | 160A | Black  | Polyamide & Nickel-Plated NFM | IEC 60947     | Each | 505g   | 15      |
| <b>Porcelain Mini Wedge Fuseholder</b> |                                                 |       |        |      |        |                               |               |      |        |         |
| 468789*                                | NZI Mini Wedge Offset Tag Carrier/Base Complete | NZI   | NZ     | 200A | Grey   | Porcelain & ETPNFM            | AS/NZS 3947   | Each | 3.0kg  | 5       |

\* Limited stock available.

## NGK STANGER FSD Disconnects



3 x FSD 401



FSD 401



FSD 401 Bracket

FSD400



FSD401

### FSD THREE & SINGLE PHASE DIN FUSE DISCONNECTS (AS/NZS 3947-1)

| Part Number                 | Description                        | Brand | Origin    | Rated Amps | Fits | Terminations | Weight                      | Box Qty | Drawing   |
|-----------------------------|------------------------------------|-------|-----------|------------|------|--------------|-----------------------------|---------|-----------|
| <b>FSD 160A Disconnects</b> |                                    |       |           |            |      |              |                             |         |           |
| 539252                      | NGK-S FSD160 Single Phase          | NGK-S | Australia | 415V       | 160A | NH00         | IPC/IPC 6-95mm <sup>2</sup> | 1.0kg   | 1 71932   |
| 539260                      | NGK-S Bracket for 3 x FSD160       | NGK-S | Australia | 415V       |      |              |                             | 1.7kg   | 1 72485/2 |
| <b>FSD 250A Disconnects</b> |                                    |       |           |            |      |              |                             |         |           |
| 539279                      | NGK-S FSD250 Three Phase + Bracket | NGK-S | Australia | 415V       | 250A | NH1&2        | IPC/IPC 6-95mm <sup>2</sup> | 6.0kg   | 1 72477/1 |
| <b>FSD 400A Disconnects</b> |                                    |       |           |            |      |              |                             |         |           |
| 468908                      | NGK-S FSD400 Three Phase + Bracket | NGK-S | Australia | 415V       | 400A | NH1&2        | 4.76mm T/Palms              | 6.0kg   | 1 71969/5 |
| 468916                      | NGK-S FSD401 Single Phase          | NGK-S | Australia | 415V       | 400A | NH1,2&3      | 4.76mm T/Palms              | 2.0kg   | 1 73401/5 |
| 469106                      | NGK-S Bracket for 3 x FSD401       | NGK-S | Australia | 415V       |      |              |                             | 1.7kg   | 1 72923   |
| <b>FSD 630A Disconnect</b>  |                                    |       |           |            |      |              |                             |         |           |
| 468819                      | NGK-S FSD631 Single Phase          | NGK-S | Australia | 415V       | 630A | NH2&3        | 6.35mm T/Palms              | 2.0kg   | 1 73631/5 |



60A Rewireable



Rewireable Cutout

### REWIREABLE PORCELAIN POLE MOUNTED CUTOUTS

| Part Number                   | Description                   | Brand | Origin | Amps | Wired? | Glaze | Construction       | Unit | Weight | Box Qty |
|-------------------------------|-------------------------------|-------|--------|------|--------|-------|--------------------|------|--------|---------|
| <b>60A Rewireable Cutouts</b> |                               |       |        |      |        |       |                    |      |        |         |
| 144444*                       | NZI 60A RW Plug Only          | NZI   | NZ     | 60A  |        | Grey  | Porcelain & ETPNFM | Each | 380g   | 30      |
| 144509*                       | NZI 60A Universal Cutout Base | NZI   | NZ     | 60A  |        | Grey  | Porcelain & ETPNFM | Each | 1.1kg  | 15      |

\* Limited stock available.





60A



Top View



60A HRC

HRC PORCELAIN POLE MOUNTED CUTOUTS

| Part Number     | Description                      | Brand | Origin | Amps | Fuse Included? | Glaze | Construction       | Unit | Weight | Box Qty |
|-----------------|----------------------------------|-------|--------|------|----------------|-------|--------------------|------|--------|---------|
| 60A HRC Cutouts |                                  |       |        |      |                |       |                    |      |        |         |
| 144401*         | NZI 60A HRC Plug + Base          | NZI   | NZ     | 60A  | —              | Grey  | Porcelain & ETPNFM | Each | 1.7kg  | 15      |
| 144460*         | NZI 60A HRC Plug + Base + 60KR85 | NZI   | NZ     | 60A  | 60KR85         | Grey  | Porcelain & ETPNFM | Each | 1.8kg  | 15      |
| 144525*         | NZI 60A HRC Plug Only            | NZI   | NZ     | 60A  | —              | Grey  | Porcelain & ETPNFM | Each | 595g   | 30      |
| 144630*         | NZI 60A HRC Plug + 60KR85        | NZI   | NZ     | 60A  | 60KR85         | Grey  | Porcelain & ETPNFM | Each | 645g   | 30      |
| 144509*         | NZI 60A Universal Cutout Base    | NZI   | NZ     | 60A  | —              | Grey  | Porcelain & ETPNFM | Each | 1.1kg  | 15      |

\* Limited stock available.





Economy G06



Safeclip SC32H-D



Safeloc 32NNSF



Safeloc 32NNSBS

**32A FUSEHOLDERS FOR STAGGERED TAG FUSELINKS**

| Part Number                                   | Description                             | Brand    | Origin | Rating | Voltage | Configuration           | Colour | Unit | Weight | Box Qty |
|-----------------------------------------------|-----------------------------------------|----------|--------|--------|---------|-------------------------|--------|------|--------|---------|
| <b>Economy G06 Fuseholders (AS/NZS 60269)</b> |                                         |          |        |        |         |                         |        |      |        |         |
| 540161                                        | 32A G06 EE/EE Fuseholder                | None     | China  | 32A    | 550V    | End Entry End Entry     | Black  | Each | 85g    | 5       |
| 540757                                        | 32A G06 BE/BE Fuseholder                | None     | China  | 32A    | 550V    | Back Entry Back Entry   | Black  | Each | 85g    | 5       |
| <b>Safeclip NSD Fuseholder (IEC 60269)</b>    |                                         |          |        |        |         |                         |        |      |        |         |
| 545031                                        | Bussmann GE SC32H-D Front Wired         | Bussmann | UK     | 32A    | 550V    | Front Wired Front Wired | Black  | Each | 95g    | 10      |
| <b>Safeloc NSD Fuseholders (IEC 60269)</b>    |                                         |          |        |        |         |                         |        |      |        |         |
| 545007                                        | Bussmann 32NNSF Front Wired             | Bussmann | India  | 32A    | 550V    | Front Wired Front Wired | Black  | Each | 85g    | 10      |
| 545015                                        | Bussmann 32NNSR Back Wired              | Bussmann | India  | 32A    | 550V    | Back Wired Back Wired   | Black  | Each | 85g    | 10      |
| 540803                                        | Bussmann 32NNSBS Back Stud              | Bussmann | India  | 32A    | 550V    | Back Stud Back Stud     | Black  | Each | 115g   | 10      |
| 545023                                        | Bussmann 32NNSFBS Front Wired Back Stud | Bussmann | India  | 32A    | 550V    | Front Wired Back Stud   | Black  | Each | 100g   | 10      |

# BUSSMANN G06/H07/NITD Industrial Fuses



G06



H07



NITD

## G06, H07 & NITD HRC FUSELINKS (CLASS gG)

| Part Number                    | Description   | Brand    | Origin | Amps | Volts | Break | Tags           | Unit | Box Qty |
|--------------------------------|---------------|----------|--------|------|-------|-------|----------------|------|---------|
| <b>G06 Staggered Fuselinks</b> |               |          |        |      |       |       |                |      |         |
| 644609                         | 2G06 (NSD2)   | Bussmann | India  | 2A   | 550V  | 80kA  | Staggered      | Each | 20      |
| 644617                         | 4G06 (NSD4)   | Bussmann | India  | 4A   | 550V  | 80kA  | Staggered      | Each | 20      |
| 644625                         | 6G06 (NSD6)   | Bussmann | India  | 6A   | 550V  | 80kA  | Staggered      | Each | 20      |
| 644633                         | 10G06 (NSD10) | Bussmann | India  | 10A  | 550V  | 80kA  | Staggered      | Each | 20      |
| 644641                         | 16G06 (NSD16) | Bussmann | India  | 16A  | 550V  | 80kA  | Staggered      | Each | 20      |
| 644668                         | 20G06 (NSD20) | Bussmann | India  | 20A  | 550V  | 80kA  | Staggered      | Each | 20      |
| 646881                         | 25G06 (NSD25) | Bussmann | India  | 25A  | 550V  | 80kA  | Staggered      | Each | 20      |
| 646903                         | 32G06 (NSD32) | Bussmann | India  | 32A  | 550V  | 80kA  | Staggered      | Each | 20      |
| <b>H07 Offset Fuselinks</b>    |               |          |        |      |       |       |                |      |         |
| 645303                         | 2H07 (AA02)   | Bussmann | India  | 2A   | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645311                         | 4H07 (AA04)   | Bussmann | India  | 4A   | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645338                         | 6H07 (AA06)   | Bussmann | India  | 6A   | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645346                         | 10H07 (AA010) | Bussmann | India  | 10A  | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645354                         | 16H07 (AA016) | Bussmann | India  | 16A  | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645362                         | 20H07 (AA020) | Bussmann | India  | 20A  | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645370                         | 25H07 (AA025) | Bussmann | India  | 25A  | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| 645389                         | 32H07 (AA032) | Bussmann | India  | 32A  | 550V  | 80kA  | Offset Bolted  | Each | 20      |
| <b>NITD Offset Fuselinks</b>   |               |          |        |      |       |       |                |      |         |
| 641332                         | NITD2         | Bussmann | India  | 2A   | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641340                         | NITD4         | Bussmann | India  | 4A   | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641359                         | NITD6         | Bussmann | India  | 6A   | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641367                         | NITD10        | Bussmann | India  | 10A  | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641375                         | NITD16        | Bussmann | India  | 16A  | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641383                         | NITD20        | Bussmann | India  | 20A  | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641391                         | NITD25        | Bussmann | India  | 25A  | 550V  | 80kA  | Offset Slotted | Each | 20      |
| 641405                         | NITD32        | Bussmann | India  | 32A  | 550V  | 80kA  | Offset Slotted | Each | 20      |



Red Spot Fuseholders now through NZI



Camaster CM63F



Red Spot RS63H

## 63A FUSEHOLDERS FOR OFFSET TAG FUSELINKS

| Part Number                                            | Description                                  | Brand    | Origin | Rating  | Voltage | Configuration           | Colour | Unit | Weight | Box Qty |
|--------------------------------------------------------|----------------------------------------------|----------|--------|---------|---------|-------------------------|--------|------|--------|---------|
| <b>Camaster 63A Cam Action Fuseholders (IEC 60269)</b> |                                              |          |        |         |         |                         |        |      |        |         |
| 692034                                                 | Bussmann Camaster CM63F Front Wired          | Bussmann | India  | 63A     | 690V    | Front Wired Front Wired | Black  | Each | 200g   | 5       |
| 692816                                                 | Bussmann Camaster CM63FW Front Wired White   | Bussmann | India  | 63A     | 690V    | Front Wired Front Wired | White  | Each | 200g   | 5       |
| 692123                                                 | Bussmann 63/100BS Back Stud for Camaster 63A | Bussmann | India  | 63/100A | 690V    | Back Stud Accessory     | Black  | Each | 60g    | 5       |
| <b>Red Spot 63A Fuseholders (IEC 60269)</b>            |                                              |          |        |         |         |                         |        |      |        |         |
| 692824                                                 | Bussmann Red Spot RS63H Front Wired          | Bussmann | UK     | 63A     | 690V    | Front Wired Front Wired | Black  | Each | 310g   | 10      |
| 692859                                                 | Bussmann Red Spot RS63HWH Front Wired White  | Bussmann | UK     | 63A     | 690V    | Front Wired Front Wired | White  | Each | 310g   | 10      |
| 692832                                                 | Bussmann Red Spot RS63P Back Stud            | Bussmann | UK     | 63A     | 690V    | Back Stud Back Stud     | Black  | Each | 450g   | 10      |
| 692867                                                 | Bussmann Red Spot RS63PWH Back Stud White    | Bussmann | UK     | 63A     | 690V    | Back Stud Back Stud     | White  | Each | 450g   | 10      |
| 692840                                                 | Bussmann Red Spot RS63PH Front Wired BS      | Bussmann | UK     | 63A     | 690V    | Front Wired Back Stud   | Black  | Each | 380g   | 10      |



BS/BE



NZI 63A K07 Fuseholders, made in Temuka



Side View



BE/BE

63A FUSEHOLDERS FOR OFFSET TAG FUSELINKS

| Part Number                                    | Description                  | Brand | Origin | Amps | Rating | Configuration         | Unit | Colour | Weight | Box Qty |
|------------------------------------------------|------------------------------|-------|--------|------|--------|-----------------------|------|--------|--------|---------|
| 63A K07 HG Phenolic Fuseholders (AS/NZS 60269) |                              |       |        |      |        |                       |      |        |        |         |
| 676004                                         | NZI K07 63A EE/EE Fuseholder | NZI   | NZ     | 63A  | 500V   | End Entry End Entry   | Each | Black  | 260g   | 6       |
| 676012                                         | NZI K07 63A BE/BE Fuseholder | NZI   | NZ     | 63A  | 500V   | Back Entry Back Entry | Each | Black  | 270g   | 6       |
| 676020*                                        | NZI K07 63A BE/EE Fuseholder | NZI   | NZ     | 63A  | 500V   | Back Entry End Entry  | Each | Black  | 265g   | 6       |
| 678023*                                        | NZI K07 63A BS/BE Fuseholder | NZI   | NZ     | 63A  | 500V   | Back Stud Back Entry  | Each | Black  | 320g   | 6       |
| 678031*                                        | NZI K07 63A BS/EE Fuseholder | NZI   | NZ     | 63A  | 500V   | Back Stud End Entry   | Each | Black  | 320g   | 6       |
| 678058                                         | NZI K07 63A BB/EE Fuseholder | NZI   | NZ     | 63A  | 500V   | Back Busbar End Entry | Each | Black  | 290g   | 6       |

\* Limited stock available.





K07



L09



L14

**K07, L09 & L14 HRC FUSELINKS (CLASS gG)**

| Part Number                 | Description      | Brand    | Origin | Amps | Volts | Break | Tags   | Unit | Box Qty |
|-----------------------------|------------------|----------|--------|------|-------|-------|--------|------|---------|
| <b>K07 Offset Fuselinks</b> |                  |          |        |      |       |       |        |      |         |
| 645664                      | 40K07 (BA040)    | Bussmann | India  | 40A  | 550V  | 80kA  | Offset | Each | 20      |
| 645680                      | 50K07 (BA050)    | Bussmann | India  | 50A  | 550V  | 80kA  | Offset | Each | 20      |
| 645702                      | 63K07 (BA063)    | Bussmann | India  | 63A  | 550V  | 80kA  | Offset | Each | 20      |
| 692336                      | 80K07R (OSD80)   | Bussmann | India  | 80A  | 550V  | 80kA  | Offset | Each | 20      |
| 692344                      | 100K07R (OSD100) | Bussmann | India  | 100A | 550V  | 80kA  | Offset | Each | 20      |
| <b>L09 Offset Fuselinks</b> |                  |          |        |      |       |       |        |      |         |
| 646458                      | 80L09 (CD80)     | Bussmann | India  | 80A  | 550V  | 80kA  | Offset | Each | 10      |
| 646466                      | 100L09 (CD100)   | Bussmann | India  | 100A | 550V  | 80kA  | Offset | Each | 10      |
| <b>L14 Offset Fuselinks</b> |                  |          |        |      |       |       |        |      |         |
| 646512                      | 32L14 (CE032)    | Bussmann | India  | 32A  | 550V  | 80kA  | Offset | Each | 10      |
| 646520                      | 40L14 (CE040)    | Bussmann | India  | 40A  | 550V  | 80kA  | Offset | Each | 10      |
| 646539                      | 50L14 (CE050)    | Bussmann | India  | 50A  | 550V  | 80kA  | Offset | Each | 10      |
| 646547                      | 63L14 (CE063)    | Bussmann | India  | 63A  | 550V  | 80kA  | Offset | Each | 10      |
| 646555                      | 80L14 (CE080)    | Bussmann | India  | 80A  | 550V  | 80kA  | Offset | Each | 10      |
| 646563                      | 100L14 (CE0100)  | Bussmann | India  | 100A | 550V  | 80kA  | Offset | Each | 10      |



M14



M09



N09



P09

## M14, M09, N09 &amp; P09 HRC FUSELINKS (CLASS gG)

| Part Number                  | Description     | Brand    | Origin | Amps | Volts | Break | Tags    | Unit | Box Qty |
|------------------------------|-----------------|----------|--------|------|-------|-------|---------|------|---------|
| <b>M14 Offset Fuselinks</b>  |                 |          |        |      |       |       |         |      |         |
| 646636                       | 125M14 (DE0125) | Bussmann | India  | 125A | 415V  | 80kA  | Offset  | Each | 5       |
| 646652                       | 160M14 (DE0160) | Bussmann | India  | 160A | 415V  | 80kA  | Offset  | Each | 5       |
| 646660                       | 200M14 (DE0200) | Bussmann | India  | 200A | 415V  | 80kA  | Offset  | Each | 5       |
| <b>M09 Central Fuselinks</b> |                 |          |        |      |       |       |         |      |         |
| 646571                       | 125M09 (DD125)  | Bussmann | India  | 125A | 415V  | 80kA  | Central | Each | 5       |
| 646601                       | 160M09 (DD160)  | Bussmann | India  | 160A | 415V  | 80kA  | Central | Each | 5       |
| 646628                       | 200M09 (DD200)  | Bussmann | India  | 200A | 415V  | 80kA  | Central | Each | 5       |
| <b>N09 Central Fuselinks</b> |                 |          |        |      |       |       |         |      |         |
| 646709                       | 250N09 (ED250)  | Bussmann | India  | 250A | 415V  | 80kA  | Central | Each | 1       |
| 646717                       | 315N09 (ED315)  | Bussmann | India  | 315A | 415V  | 80kA  | Central | Each | 1       |
| <b>P09 Central Fuselinks</b> |                 |          |        |      |       |       |         |      |         |
| 646679                       | 355P09 (ED355)  | Bussmann | India  | 355A | 415V  | 80kA  | Central | Each | 1       |
| 646687                       | 400P09 (ED400)  | Bussmann | India  | 400A | 415V  | 80kA  | Central | Each | 1       |



N11



P11



R11

## N11, P11 & R11 HRC FUSELINKS (CLASS gG)

| Part Number                  | Description     | Brand    | Origin | Amps | Volts | Break | Tags           | Unit | Box Qty |
|------------------------------|-----------------|----------|--------|------|-------|-------|----------------|------|---------|
| <b>N11 Central Fuselinks</b> |                 |          |        |      |       |       |                |      |         |
| 646768                       | 250N11 (EFS250) | Bussmann | India  | 250A | 415V  | 80kA  | Central        | Each | 1       |
| 646776                       | 315N11 (EFS315) | Bussmann | India  | 315A | 415V  | 80kA  | 4-Hole Central | Each | 1       |
| <b>P11 Central Fuselinks</b> |                 |          |        |      |       |       |                |      |         |
| 647942                       | 355P11 (EF355)  | Bussmann | India  | 355A | 415V  | 80kA  | 4-Hole Central | Each | 1       |
| 646644                       | 400P11 (EF400)  | Bussmann | India  | 400A | 415V  | 80kA  | 4-Hole Central | Each | 1       |
| <b>R11 Central Fuselinks</b> |                 |          |        |      |       |       |                |      |         |
| 646946                       | 450R11 (FF450)  | Bussmann | India  | 450A | 690V  | 80kA  | 4-Hole Central | Each | 1       |
| 646954                       | 500R11 (FF500)  | Bussmann | India  | 500A | 690V  | 80kA  | 4-Hole Central | Each | 1       |
| 646962                       | 560R11 (FF560)  | Bussmann | India  | 560A | 690V  | 80kA  | 4-Hole Central | Each | 1       |
| 646970                       | 630R11 (FF630)  | Bussmann | India  | 630A | 690V  | 80kA  | 4-Hole Central | Each | 1       |





Camaster 100A



Red Spot RS100H



Red Spot RS100H Opened Out



Red Spot RS200H

## 100+A FUSEHOLDERS FOR OFFSET &amp; CENTRAL TAG FUSELINKS

| Part Number                                             | Description                                   | Brand    | Origin | Rating  | Voltage | Configuration           | Colour | Unit | Weight | Box Qty |
|---------------------------------------------------------|-----------------------------------------------|----------|--------|---------|---------|-------------------------|--------|------|--------|---------|
| <b>Camaster 100A Cam Action Fuseholders (IEC 60269)</b> |                                               |          |        |         |         |                         |        |      |        |         |
| 692042                                                  | Bussmann Camaster CM100F Front Wired          | Bussmann | India  | 100A    | 690V    | Front Wired Front Wired | Black  | Each | 210g   | 5       |
| 692123                                                  | Bussmann 63/100BS Back Stud for Camaster 63A  | Bussmann | India  | 63/100A | 690V    | Back Stud Accessory     | Black  | Each | 60g    | 5       |
| <b>Red Spot 100A Fuseholders (IEC 60269)</b>            |                                               |          |        |         |         |                         |        |      |        |         |
| 692905                                                  | Bussmann Red Spot RS100H Front Wired 100A     | Bussmann | UK     | 100A    | 690V    | Front Wired Front Wired | Black  | Each | 850g   | 5       |
| 692875                                                  | Bussmann Red Spot RS100BW Back Wired 100A     | Bussmann | UK     | 100A    | 690V    | Back Wired Back Wired   | Black  | Each | 795g   | 5       |
| 692913                                                  | Bussmann Red Spot RS100P Back Stud 100A       | Bussmann | UK     | 100A    | 690V    | Back Stud Back Stud     | Black  | Each | 970g   | 5       |
| 692921                                                  | Bussmann Red Spot RS100PH Front Wired BS 100A | Bussmann | UK     | 100A    | 690V    | Front Wired Back Stud   | Black  | Each | 915g   | 5       |
| <b>Red Spot 200A Fuseholders (IEC 60269)</b>            |                                               |          |        |         |         |                         |        |      |        |         |
| 692948                                                  | Bussmann Red Spot RS200H Front Wired 200A     | Bussmann | UK     | 200A    | 690V    | Front Wired Front Wired | Black  | Each | 2.1kg  | 1       |
| <b>Red Spot 400A Fuseholders (IEC 60269)</b>            |                                               |          |        |         |         |                         |        |      |        |         |
| 692956                                                  | Bussmann Red Spot RS400H Front Wired 400A     | Bussmann | UK     | 400A    | 690V    | Front Wired Front Wired | Black  | Each |        | 1       |



G06 Motor Circuit



H07 Motor Circuit



K07 Motor Circuit



P11 Motor Circuit

## MOTOR RATED HRC FUSELINKS (CLASS gG)

| Part Number                      | Description                 | Brand    | Origin | Amps    | Volts | Break | Tags      | Unit | Box Qty |
|----------------------------------|-----------------------------|----------|--------|---------|-------|-------|-----------|------|---------|
| <b>G06 Motor Circuit Fuses</b>   |                             |          |        |         |       |       |           |      |         |
| 649201                           | 20M25 G06 MC (NSD20M25)     | Bussmann | India  | 20M25   | 550V  | 80kA  | Staggered | Each | 20      |
| 649228                           | 20M32 G06 MC (NSD20M32)     | Bussmann | India  | 20M32   | 550V  | 80kA  | Staggered | Each | 20      |
| 649236                           | 32M40 G06 MC (NSD32M40)     | Bussmann | India  | 32M40   | 550V  | 80kA  | Staggered | Each | 20      |
| <b>H07 Motor Circuit Fuses</b>   |                             |          |        |         |       |       |           |      |         |
| 649368                           | 32M40 H07 MC (AA032M40)     | Bussmann | India  | 32M40   | 550V  | 80kA  | Offset    | Each | 20      |
| 649384                           | 32M50 H07 MC (AA032M50)     | Bussmann | India  | 32M50   | 550V  | 80kA  | Offset    | Each | 20      |
| 649392                           | 32M63 H07 MC (AA032M63)     | Bussmann | India  | 32M63   | 550V  | 80kA  | Offset    | Each | 20      |
| <b>K07 Motor Circuit Fuses</b>   |                             |          |        |         |       |       |           |      |         |
| 649457                           | 63M80 K07 MC (BA063M80)     | Bussmann | India  | 63M80   | 550V  | 80kA  | Offset    | Each | 20      |
| 649465                           | 63M100 K07 MC (BA063M100)   | Bussmann | India  | 63M100  | 550V  | 80kA  | Offset    | Each | 20      |
| <b>Other Motor Circuit Fuses</b> |                             |          |        |         |       |       |           |      |         |
| 649651                           | 100M125 L09 MC (CD100M125)  | Bussmann | India  | 100M125 | 415V  | 80kA  | Central   | Each | 10      |
| 649597                           | 100M125 L14 MC (CEO100M125) | Bussmann | India  | 100M125 | 415V  | 80kA  | Offset    | Each | 10      |
| 649678                           | 100M160 L09 MC (CD100M160)  | Bussmann | India  | 100M160 | 415V  | 80kA  | Central   | Each | 10      |
| 649619                           | 100M160 L14 MC (CEO100M160) | Bussmann | India  | 100M160 | 415V  | 80kA  | Offset    | Each | 10      |
| 649627                           | 100M200 L14 MC (CEO100M200) | Bussmann | India  | 100M200 | 415V  | 80kA  | Offset    | Each | 10      |
| 649694                           | 200M250 M09 MC (DD200M250)  | Bussmann | India  | 200M250 | 415V  | 80kA  | Central   | Each | 5       |
| 649643                           | 200M250 M14 MC (TFP200M250) | Bussmann | India  | 200M250 | 660V  | 80kA  | Offset    | Each | 5       |
| 649724                           | 315M400 N09 MC (ED315M400)  | Bussmann | India  | 315M400 | 415V  | 80kA  | Central   | Each | 1       |
| 646695                           | 400M500 P09 MC (ED400M500)  | Bussmann | India  | 400M500 | 415V  | 80kA  | Central   | Each | 1       |
| 647950                           | 400M500 P11 MC (EF400M500)  | Bussmann | India  | 400M500 | 550V  | 80kA  | Central   | Each | 1       |



HSB22FW



Use BS fuselinks 22mm or 30mm diameter x 57mm long



Back Entry or End Entry

### HSB22 HOUSE SERVICE FUSEHOLDERS

| Part Number | Description                                          | Brand    | Origin | Amps | Volts | Material                    | Weight | Unit | Box Qty |
|-------------|------------------------------------------------------|----------|--------|------|-------|-----------------------------|--------|------|---------|
| 693251      | HSB22BW Bussmann Back Entry House Service Fuseholder | Bussmann | China  | 100A | 500V  | Thermoplastic/<br>Polyamide | 300g   | Each | 10      |
| 693243      | HSB22FW Bussmann End Entry House Service Fuseholder  | Bussmann | China  | 100A | 500V  | Thermoplastic/<br>Polyamide | 300g   | Each | 10      |



60KR85

**KR85 HOUSE SERVICE HRC FUSELINKS (CLASS gG TO BS1361)**

| Part Number                     | Description    | Brand    | Origin | Amps | Volts | Break | Configuration   | Unit | Box Qty |
|---------------------------------|----------------|----------|--------|------|-------|-------|-----------------|------|---------|
| <b>KR85 House Service Fuses</b> |                |          |        |      |       |       |                 |      |         |
| 647802                          | 5A (5KR85)     | Bussmann | India  | 5A   | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647810                          | 10A (10KR85)   | Bussmann | India  | 10A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647829                          | 15A (15KR85)   | Bussmann | India  | 15A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647837                          | 20A (20KR85)   | Bussmann | India  | 20A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647845                          | 25A (25KR85)   | Bussmann | India  | 25A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647853                          | 30A (30KR85)   | Bussmann | India  | 30A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647861                          | 40A (40KR85)   | Bussmann | India  | 40A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647888                          | 45A (45KR85)   | Bussmann | India  | 45A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647896                          | 50A (50KR85)   | Bussmann | India  | 50A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647918                          | 60A (60KR85)   | Bussmann | India  | 60A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647926                          | 80A (80KR85)   | Bussmann | India  | 80A  | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |
| 647934                          | 100A (100KR85) | Bussmann | India  | 100A | 415V  | 33kA  | 22x57mm Ferrule | Each | 20      |



NH00 3P3P Front



NH1 3P3P Open



NH00 3P3P Back

BUSSMANN DIN FUSE DISCONNECTS

| Part Number                     | Description          | Brand          | Origin | CB Code    | Amps | Poles | Phase | Standard    | Unit | Box Qty |
|---------------------------------|----------------------|----------------|--------|------------|------|-------|-------|-------------|------|---------|
| Horizontal 3 Pole (Three Phase) |                      |                |        |            |      |       |       |             |      |         |
| 697079                          | NH00 160A Switch     | Eaton-Bussmann | Poland | EBH0003TM8 | 160A | 3     | Three | IEC 60947-1 | Each | 1       |
| 697087                          | NH1 250A Switch      | Eaton-Bussmann | Poland | EBH103TM1  | 250A | 3     | Three | IEC 60947-1 | Each | 1       |
| 697095                          | NH2 400A Switch      | Eaton-Bussmann | Poland | EBH203TM1  | 400A | 3     | Three | IEC 60947-1 | Each | 1       |
| 697109                          | NH3 630A Switch      | Eaton-Bussmann | Poland | EBH303TM2  | 630A | 3     | Three | IEC 60947-1 | Each | 1       |
| Accessories                     |                      |                |        |            |      |       |       |             |      |         |
| 697117                          | 160A Terminal Shroud | Eaton-Bussman  | Poland | EBHA3      |      |       |       |             | Each | 1       |



Solid Link Blade



NH000

## DIN SOLID LINK & NH000 HRC FUSES (CLASS gG)

| Part Number                | Description                | Brand    | Origin | Amps | Volts | Break | Configuration | Unit | Box Qty |
|----------------------------|----------------------------|----------|--------|------|-------|-------|---------------|------|---------|
| <b>Solid Link Blades</b>   |                            |          |        |      |       |       |               |      |         |
| 688983                     | 160A Solid Link 00 (SDL00) | Bussmann | India  | 160A | 500V  | 120kA | Solid Link    | Each | 3       |
| 657115                     | 250A Solid Link 1 (SDL1)   | Bussmann | India  | 250A | 500V  | 120kA | Solid Link    | Each | 3       |
| 689300                     | 400A Solid Link 2 (SDL2)   | Bussmann | India  | 400A | 500V  | 120kA | Solid Link    | Each | 3       |
| 657131                     | 630A Solid Link 3 (SDL3)   | Bussmann | India  | 630A | 500V  | 120kA | Solid Link    | Each | 3       |
| <b>NH000 DIN Fuselinks</b> |                            |          |        |      |       |       |               |      |         |
| 667218                     | 6A NH000 (6NHG000B)        | Bussmann | India  | 6A   | 500V  | 120kA | DIN Blade     | Each | 3       |
| 688584                     | 10A NH000 (10NHG000B)      | Bussmann | India  | 10A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 690317                     | 16A NH000 (16NHG000B)      | Bussmann | India  | 16A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689130                     | 20A NH000 (20NHG000B)      | Bussmann | India  | 20A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689149                     | 32A NH000 (32NHG000B)      | Bussmann | India  | 32A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689238                     | 40A NH000 (40NHG000B)      | Bussmann | India  | 40A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689165                     | 50A NH000 (50NHG000B)      | Bussmann | India  | 50A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689173                     | 63A NH000 (63NHG000B)      | Bussmann | India  | 63A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689181                     | 80A NH000 (80NHG000B)      | Bussmann | India  | 80A  | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689203                     | 100A NH000 (100NHG000B)    | Bussmann | India  | 100A | 500V  | 120kA | DIN Blade     | Each | 3       |



NH00



NH0

DIN NH00 & NH0 HRC FUSES (CLASS gG)

| Part Number        | Description           | Brand    | Origin | Amps | Volts | Break | Configuration | Unit | Box Qty |
|--------------------|-----------------------|----------|--------|------|-------|-------|---------------|------|---------|
| NH00 DIN Fuselinks |                       |          |        |      |       |       |               |      |         |
| 689211             | 125A NH00 (125NHG00B) | Bussmann | India  | 125A | 500V  | 120kA | DIN Blade     | Each | 3       |
| 689491             | 160A NH00 (160NHG00B) | Bussmann | India  | 160A | 500V  | 120kA | DIN Blade     | Each | 3       |
| NH0 DIN Fuselinks  |                       |          |        |      |       |       |               |      |         |
| 665290             | 10A NH0 (10NHG0B)     | Bussmann | India  | 10A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689378             | 16A NH0 (16NHG0B)     | Bussmann | India  | 16A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689831             | 20A NH0 (20NHG0B)     | Bussmann | India  | 20A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 688576             | 25A NH0 (25NHG0B)     | Bussmann | India  | 25A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 693162             | 32A NH0 (32NHG0B)     | Bussmann | India  | 32A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689963             | 40A NH0 (40NHG0B)     | Bussmann | India  | 40A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689858             | 50A NH0 (50NHG0B)     | Bussmann | India  | 50A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689319             | 63A NH0 (63NHG0B)     | Bussmann | India  | 63A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689327             | 80A NH0 (80NHG0B)     | Bussmann | India  | 80A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689335             | 100A NH0 (100NHG0B)   | Bussmann | India  | 100A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689343             | 125A NH0 (125NHG0B)   | Bussmann | India  | 125A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689351             | 160A NH0 (160NHG0B)   | Bussmann | India  | 160A | 500V  | 120kA | Blade Type    | Each | 3       |



NH1



Top



Side

## DIN NH1 HRC FUSES (CLASS gG)

| Part Number       | Description          | Brand    | Origin | Amps | Volts | Break | Configuration | Unit | Box Qty |
|-------------------|----------------------|----------|--------|------|-------|-------|---------------|------|---------|
| NH1 DIN Fuselinks |                      |          |        |      |       |       |               |      |         |
| 689866            | 16A NH1 (16NHG01B)   | Bussmann | India  | 16A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689688            | 20A NH1 (20NHG01B)   | Bussmann | India  | 20A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689432            | 25A NH1 (25NHG01B)   | Bussmann | India  | 25A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 692530            | 32A NH1 (32NHG01B)   | Bussmann | India  | 32A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 686700            | 40A NH1 (40NHG01B)   | Bussmann | India  | 40A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689416            | 50A NH1 (50NHG01B)   | Bussmann | India  | 50A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689424            | 63A NH1 (63NHG01B)   | Bussmann | India  | 63A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689084            | 80A NH1 (80NHG01B)   | Bussmann | India  | 80A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689440            | 100A NH1 (100NHG01B) | Bussmann | India  | 100A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689459            | 125A NH1 (125NHG01B) | Bussmann | India  | 125A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689467            | 160A NH1 (160NHG01B) | Bussmann | India  | 160A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689475            | 200A NH1 (200NHG1B)  | Bussmann | India  | 200A | 500V  | 120kA | Blade Type    | Each | 3       |
| 661066            | 224A NH1 (224NHG1B)  | Bussmann | India  | 224A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689939            | 250A NH1 (250NHG1B)  | Bussmann | India  | 250A | 500V  | 120kA | Blade Type    | Each | 3       |





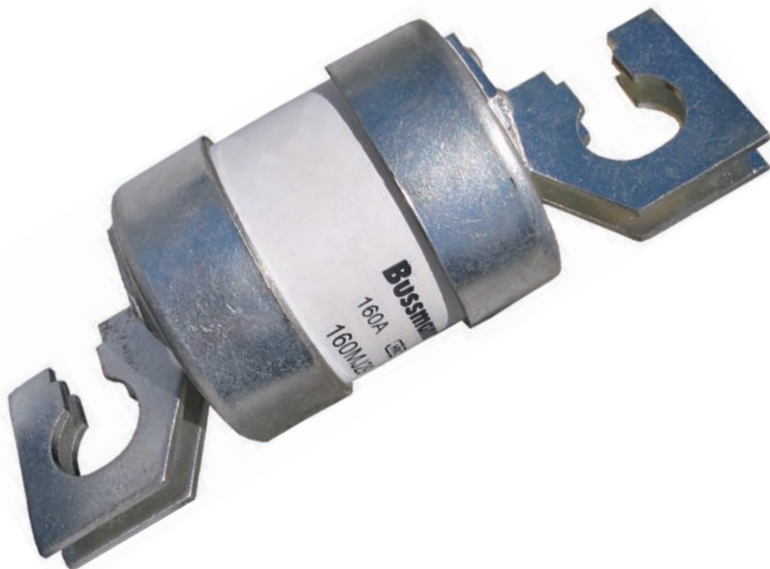
NH2



NH3

DIN NH2 & NH3 HRC FUSES (CLASS gG)

| Part Number       | Description          | Brand    | Origin | Amps | Volts | Break | Configuration | Unit | Box Qty |
|-------------------|----------------------|----------|--------|------|-------|-------|---------------|------|---------|
| NH2 DIN Fuselinks |                      |          |        |      |       |       |               |      |         |
| 686735            | 50A NH2 (50NHG02B)   | Bussmann | India  | 50A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689548            | 63A NH2 (63NHG02B)   | Bussmann | India  | 63A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689998            | 80A NH2 (80NHG02B)   | Bussmann | India  | 80A  | 500V  | 120kA | Blade Type    | Each | 3       |
| 689882            | 100A NH2 (100NHG02B) | Bussmann | India  | 100A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689564            | 125A NH2 (125NHG02B) | Bussmann | India  | 125A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689572            | 160A NH2 (160NHG02B) | Bussmann | India  | 160A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689580            | 200A NH2 (200NHG02B) | Bussmann | India  | 200A | 500V  | 120kA | Blade Type    | Each | 3       |
| 685860            | 224A NH2 (224NHG02B) | Bussmann | India  | 224A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689890            | 250A NH2 (250NHG02B) | Bussmann | India  | 250A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689610            | 315A NH2 (315NHG2B)  | Bussmann | India  | 315A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689629            | 355A NH2 (355NHG2B)  | Bussmann | India  | 355A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689637            | 400A NH2 (400NHG2B)  | Bussmann | India  | 400A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689653            | 500A NH2 (500NHG2B)  | Bussmann | India  | 500A | 440V  | 120kA | Blade Type    | Each | 3       |
| NH3 DIN Fuselinks |                      |          |        |      |       |       |               |      |         |
| 693189            | 250A NH3 (250NHG03B) | Bussmann | India  | 250A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689645            | 315A NH3 (315NHG03B) | Bussmann | India  | 315A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689556            | 355A NH3 (355NHG03B) | Bussmann | India  | 355A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689599            | 400A NH3 (400NHG03B) | Bussmann | India  | 400A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689696            | 500A NH3 (500NHG3B)  | Bussmann | India  | 500A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689718            | 630A NH3 (630NHG3B)  | Bussmann | India  | 630A | 500V  | 120kA | Blade Type    | Each | 3       |
| 689904            | 800A NH3 (800NHG3B)  | Bussmann | India  | 800A | 440V  | 120kA | Blade Type    | Each | 3       |



160MJ29

#### 76mm J-TYPE FUSELINKS

| Part Number                  | Description           | Brand    | Origin | Amps | Volts | Fixing Centre | Standard    | Unit | Box Qty |
|------------------------------|-----------------------|----------|--------|------|-------|---------------|-------------|------|---------|
| <b>76mm J-Type Fuselinks</b> |                       |          |        |      |       |               |             |      |         |
| 647233                       | 63A 76mm (63MJ29-6)   | Bussmann | India  | 63A  | 415V  | 76mm          | IEC 60269-1 | Each | 5       |
| 647268                       | 100A 76mm (100MJ29-6) | Bussmann | India  | 100A | 415V  | 76mm          | IEC 60269-1 | Each | 5       |
| 647276                       | 125A 76mm (125MJ29-6) | Bussmann | India  | 125A | 415V  | 76mm          | IEC 60269-1 | Each | 5       |
| 647284                       | 160A 76mm (160MJ29-6) | Bussmann | India  | 160A | 415V  | 76mm          | IEC 60269-1 | Each | 5       |
| 647292                       | 200A 76mm (200MJ29-6) | Bussmann | India  | 200A | 415V  | 76mm          | IEC 60269-1 | Each | 5       |
| 647306                       | 250A 76mm (250MJ29-6) | Bussmann | India  | 250A | 415V  | 76mm          | IEC 60269-1 | Each | 5       |



200MJ30-7

| 82mm J-TYPE FUSELINKS |                       |          |        |      |       |               |             |      |         |
|-----------------------|-----------------------|----------|--------|------|-------|---------------|-------------|------|---------|
| Part Number           | Description           | Brand    | Origin | Amps | Volts | Fixing Centre | Standard    | Unit | Box Qty |
| 82mm J-Type Fuselinks |                       |          |        |      |       |               |             |      |         |
| 647373                | 32A 82mm (32MJ30-8)   | Bussmann | India  | 32A  | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647381                | 40A 82mm (40MJ30-8)   | Bussmann | India  | 40A  | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647403                | 63A 82mm (63MJ30-8)   | Bussmann | India  | 63A  | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647411                | 80A 82mm (80MJ30-7)   | Bussmann | India  | 80A  | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647438                | 100A 82mm (100MJ30-7) | Bussmann | India  | 100A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647446                | 125A 82mm (125MJ30-7) | Bussmann | India  | 125A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647454                | 160A 82mm (160MJ30-7) | Bussmann | India  | 160A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647462                | 200A 82mm (200MJ30-7) | Bussmann | India  | 200A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647470                | 250A 82mm (250MJ30-7) | Bussmann | India  | 250A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647489                | 315A 82mm (315MJ30-7) | Bussmann | India  | 315A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647659                | 355A 82mm (355PJ30-7) | Bussmann | India  | 355A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |
| 647667                | 400A 82mm (400PJ30-7) | Bussmann | India  | 400A | 415V  | 82mm          | IEC 60269-1 | Each | 5       |



315MJ31-7

92mm J-TYPE FUSELINKS

| Part Number           | Description           | Brand    | Origin | Amps | Volts | Fixing Centre | Standard    | Unit | Box Qty |
|-----------------------|-----------------------|----------|--------|------|-------|---------------|-------------|------|---------|
| 92mm J-Type Fuselinks |                       |          |        |      |       |               |             |      |         |
| 658650                | 32A 92mm (32MJ31-8)   | Bussmann | India  | 32A  | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647535                | 40A 92mm (40MJ31-8)   | Bussmann | India  | 40A  | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647543                | 63A 92mm (63MJ31-8)   | Bussmann | India  | 63A  | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647551                | 80A 92mm (80MJ31-7)   | Bussmann | India  | 80A  | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647578                | 100A 92mm (100MJ31-7) | Bussmann | India  | 100A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647586                | 125A 92mm (125MJ31-7) | Bussmann | India  | 125A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647594                | 160A 92mm (160MJ31-7) | Bussmann | India  | 160A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647608                | 200A 92mm (200MJ31-7) | Bussmann | India  | 200A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647616                | 250A 92mm (250MJ31-7) | Bussmann | India  | 250A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647624                | 315A 92mm (315MJ31-7) | Bussmann | India  | 315A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647675                | 355A 92mm (355PJ31-7) | Bussmann | India  | 355A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647683                | 400A 92mm (400PJ31-7) | Bussmann | India  | 400A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 658782                | 450A 92mm (450RJ31-7) | Bussmann | India  | 450A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647756                | 500A 92mm (500RJ31-7) | Bussmann | India  | 500A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 658804                | 560A 92mm (560SJ31-6) | Bussmann | India  | 560A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |
| 647772                | 630A 92mm (630SJ31-6) | Bussmann | India  | 630A | 415V  | 92mm          | IEC 60269-1 | Each | 5       |

## BUSSMANN 10x38 Cylindrical Fuses



C10G16 and C10G32 10x38

### CYLINDRICAL 10x38 FUSELINKS (CLASS gG)

| Part Number                                         | Description             | Brand    | Origin | Amps | Volts | Break | Configuration    | Unit | Box Qty |
|-----------------------------------------------------|-------------------------|----------|--------|------|-------|-------|------------------|------|---------|
| <b>10x38 HRC Fuselinks</b>                          |                         |          |        |      |       |       |                  |      |         |
| 654574                                              | 1A 10x38 Fuse (C10G1)   | Bussmann | Spain  | 1A   | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654299                                              | 2A 10x38 Fuse (C10G2)   | Bussmann | Spain  | 2A   | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654388                                              | 4A 10x38 Fuse (C10G4)   | Bussmann | Spain  | 4A   | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654302                                              | 6A 10x38 Fuse (C10G6)   | Bussmann | Spain  | 6A   | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654310                                              | 10A 10x38 Fuse (C10G10) | Bussmann | Spain  | 10A  | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654329                                              | 16A 10x38 Fuse (C10G16) | Bussmann | Spain  | 16A  | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654337                                              | 20A 10x38 Fuse (C10G20) | Bussmann | Spain  | 20A  | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654353                                              | 25A 10x38 Fuse (C10G25) | Bussmann | Spain  | 25A  | 500V  | 120kA | 10x38mm Cylinder | Each | 10      |
| 654345                                              | 32A 10x38 Fuse (C10G32) | Bussmann | Spain  | 32A  | 400V  | 120kA | 10x38mm Cylinder | Each | 10      |
| <b>Fuseholder for 10x38 Fuses (IEC 60269/60947)</b> |                         |          |        |      |       |       |                  |      |         |
| 666858                                              | CHM1DU Fuseholder       | Bussmann | China  | 32A  | 690V  | 120kA | 10x38mm Cylinder | Each | 12      |



6LCT



20LCT



35LET



100LET



200LMT

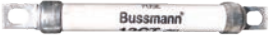


450LMT

## BS88 'T' TYPE HIGH-SPEED 240V SEMI-CONDUCTOR HRC FUSELINKS

| Part Number                      | Description | Brand    | Origin | Amps | Volts AC | Volts DC | Fixing Centre | A2T    | Unit | Box Qty |
|----------------------------------|-------------|----------|--------|------|----------|----------|---------------|--------|------|---------|
| <b>240V LCT High Speed Fuses</b> |             |          |        |      |          |          |               |        |      |         |
| 684848                           | 6LCT        | Bussmann | India  | 6A   | 240V     | 150V     | 38mm          | 9      | Each | 20      |
| 684856                           | 10LCT       | Bussmann | India  | 10A  | 240V     | 150V     | 38mm          | 22     | Each | 20      |
| 684880                           | 12LCT       | Bussmann | India  | 12A  | 240V     | 150V     | 38mm          | 32     | Each | 20      |
| 684864                           | 16LCT       | Bussmann | India  | 16A  | 240V     | 150V     | 38mm          | 100    | Each | 20      |
| 684872                           | 20LCT       | Bussmann | India  | 20A  | 240V     | 150V     | 38mm          | 160    | Each | 20      |
| <b>240V LET High Speed Fuses</b> |             |          |        |      |          |          |               |        |      |         |
| 685003                           | 25LET       | Bussmann | India  | 25A  | 240V     | 150V     | 42mm          | 250    | Each | 10      |
| 685011                           | 32LET       | Bussmann | India  | 32A  | 240V     | 150V     | 42mm          | 450    | Each | 10      |
| 685038                           | 35LET       | Bussmann | India  | 35A  | 240V     | 150V     | 42mm          | 600    | Each | 10      |
| 684937                           | 50LET       | Bussmann | India  | 50A  | 240V     | 150V     | 42mm          | 1400   | Each | 10      |
| 685046                           | 63LET       | Bussmann | India  | 63A  | 240V     | 150V     | 42mm          | 2200   | Each | 10      |
| 685054                           | 80LET       | Bussmann | India  | 80A  | 240V     | 150V     | 42mm          | 3800   | Each | 10      |
| 685062                           | 100LET      | Bussmann | India  | 100A | 240V     | 150V     | 42mm          | 7500   | Each | 10      |
| 685070                           | 125LET      | Bussmann | India  | 125A | 240V     | 150V     | 42mm          | 7500   | Each | 10      |
| 685089                           | 160LET      | Bussmann | India  | 160A | 240V     | 150V     | 42mm          | 16000  | Each | 10      |
| 685097                           | 180LET      | Bussmann | India  | 180A | 240V     | 150V     | 42mm          | 29000  | Each | 10      |
| <b>240V LMT High Speed Fuses</b> |             |          |        |      |          |          |               |        |      |         |
| 685275                           | 160LMT      | Bussmann | India  | 160A | 240V     | 150V     | 59mm          | 16000  | Each | 1       |
| 685283                           | 200LMT      | Bussmann | India  | 200A | 240V     | 150V     | 59mm          | 20000  | Each | 1       |
| 685291                           | 250LMT      | Bussmann | India  | 250A | 240V     | 150V     | 59mm          | 40000  | Each | 1       |
| 685305                           | 315LMT      | Bussmann | India  | 315A | 240V     | 150V     | 59mm          | 75000  | Each | 1       |
| 685313                           | 355LMT      | Bussmann | India  | 355A | 240V     | 150V     | 59mm          | 100000 | Each | 1       |
| 685321                           | 400LMT      | Bussmann | India  | 400A | 240V     | 150V     | 59mm          | 160000 | Each | 1       |
| 685348                           | 450LMT      | Bussmann | India  | 450A | 240V     | 150V     | 59mm          | 220000 | Each | 1       |

## BUSSMANN CT/FE/FEE/FM High Speed Fuses

|                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|   |  |  |
| 12CT                                                                              | 40FE                                                                              | 120FEE                                                                            |
|  |  |  |
| 200FEE                                                                            | 225FM                                                                             | 280FM                                                                             |

### BS88 'T' TYPE HIGH-SPEED 690V SEMI-CONDUCTOR HRC FUSELINKS

| Part Number                      | Description | Brand    | Origin | Amps | Volts AC | Volts DC | Fixing Centre | A2T   | Unit | Box Qty |
|----------------------------------|-------------|----------|--------|------|----------|----------|---------------|-------|------|---------|
| <b>690V CT High Speed Fuses</b>  |             |          |        |      |          |          |               |       |      |         |
| 690686                           | 6CT         | Bussmann | India  | 6A   | 690V     | 500V     | 64mm          | 12    | Each | 20      |
| 690694                           | 10CT        | Bussmann | India  | 10A  | 690V     | 500V     | 64mm          | 48    | Each | 20      |
| 690708                           | 12CT        | Bussmann | India  | 12A  | 690V     | 500V     | 64mm          | 65    | Each | 20      |
| 690716                           | 16CT        | Bussmann | India  | 16A  | 690V     | 500V     | 64mm          | 110   | Each | 20      |
| 690724                           | 20CT        | Bussmann | India  | 20A  | 690V     | 500V     | 64mm          | 220   | Each | 20      |
| <b>690V FE High Speed Fuses</b>  |             |          |        |      |          |          |               |       |      |         |
| 690791                           | 35FE        | Bussmann | India  | 35A  | 690V     | 500V     | 64mm          | 200   | Each | 20      |
| 690805                           | 40FE        | Bussmann | India  | 40A  | 690V     | 500V     | 64mm          | 200   | Each | 20      |
| 690813                           | 45FE        | Bussmann | India  | 45A  | 690V     | 500V     | 64mm          | 200   | Each | 20      |
| 690821                           | 50FE        | Bussmann | India  | 50A  | 690V     | 500V     | 64mm          | 200   | Each | 20      |
| 690848                           | 63FE        | Bussmann | India  | 63A  | 690V     | 500V     | 64mm          | 200   | Each | 20      |
| <b>690V FEE High Speed Fuses</b> |             |          |        |      |          |          |               |       |      |         |
| 690899                           | 100FEE      | Bussmann | India  | 100A | 690V     | 500V     | 70mm          | 2400  | Each | 5       |
| 690902                           | 120FEE      | Bussmann | India  | 120A | 690V     | 500V     | 70mm          | 3100  | Each | 5       |
| 684503                           | 140FEE      | Bussmann | India  | 140A | 690V     | 500V     | 70mm          | 3800  | Each | 5       |
| 690910                           | 160FEE      | Bussmann | India  | 160A | 690V     | 500V     | 70mm          | 5700  | Each | 5       |
| 691003                           | 200FEE      | Bussmann | India  | 200A | 690V     | 500V     | 70mm          | 11400 | Each | 5       |
| <b>690V FM High Speed Fuses</b>  |             |          |        |      |          |          |               |       |      |         |
| 690937                           | 180FM       | Bussmann | India  | 180A | 690V     | 500V     | 85mm          | 13500 | Each | 1       |
| 690945                           | 200FM       | Bussmann | India  | 200A | 690V     | 500V     | 85mm          | 18500 | Each | 1       |
| 691801                           | 225FM       | Bussmann | India  | 225A | 690V     | 500V     | 85mm          | 26500 | Each | 1       |
| 690953                           | 250FM       | Bussmann | India  | 250A | 690V     | 500V     | 85mm          | 37500 | Each | 1       |
| 690961                           | 280FM       | Bussmann | India  | 280A | 690V     | 500V     | 85mm          | 55000 | Each | 1       |
| 690988                           | 315FM       | Bussmann | India  | 315A | 690V     | 500V     | 85mm          | 77000 | Each | 1       |



2NZ01



4NZ01



25NZ02



35NZ02

## NEOZED DO HRC FUSELINKS (CLASS gG) TO AS/NZS 60269

| Part Number             | Description | Brand    | Origin | Amps | Volts | Length | Width | Unit | Box Qty |
|-------------------------|-------------|----------|--------|------|-------|--------|-------|------|---------|
| Neozed D01 Bottle Fuses |             |          |        |      |       |        |       |      |         |
| 687855                  | 2NZ01       | Bussmann | India  | 2A   | 440V  | 36mm   | 11mm  | Each | 10      |
| 687863                  | 4NZ01       | Bussmann | India  | 4A   | 440V  | 36mm   | 11mm  | Each | 10      |
| 687820                  | 6NZ01       | Bussmann | India  | 6A   | 440V  | 36mm   | 11mm  | Each | 10      |
| 687839                  | 10NZ01      | Bussmann | India  | 10A  | 440V  | 36mm   | 11mm  | Each | 10      |
| 687847                  | 16NZ01      | Bussmann | India  | 16A  | 440V  | 36mm   | 11mm  | Each | 10      |
| Neozed D02 Bottle Fuses |             |          |        |      |       |        |       |      |         |
| 687901                  | 20NZ02      | Bussmann | India  | 20A  | 440V  | 36mm   | 15mm  | Each | 10      |
| 687928                  | 25NZ02      | Bussmann | India  | 25A  | 440V  | 36mm   | 15mm  | Each | 10      |
| 687936                  | 35NZ02      | Bussmann | India  | 35A  | 440V  | 36mm   | 15mm  | Each | 10      |
| 687944                  | 50NZ02      | Bussmann | India  | 50A  | 440V  | 36mm   | 15mm  | Each | 10      |
| 687952                  | 63NZ02      | Bussmann | India  | 63A  | 440V  | 36mm   | 15mm  | Each | 10      |



## BUSSMANN Diazed D16/D27 Bottle Fuses



6D16



25D16



4D27



25D27

### DIAZED ND HRC FUSELINKS (CLASS gG) TO AS/NZS 60269

| Part Number             | Description | Brand    | Origin | Amps | Volts | Length | Width  | Nib Diameter | Unit | Box Qty |
|-------------------------|-------------|----------|--------|------|-------|--------|--------|--------------|------|---------|
| Diazed D16 Bottle Fuses |             |          |        |      |       |        |        |              |      |         |
| 690597                  | 2D16        | Bussmann | India  | 2A   | 500V  | 50mm   | 13.2mm | 6mm          | Each | 5       |
| 690600                  | 4D16        | Bussmann | India  | 4A   | 500V  | 50mm   | 13.2mm | 6mm          | Each | 5       |
| 690619                  | 6D16        | Bussmann | India  | 6A   | 500V  | 50mm   | 13.2mm | 6mm          | Each | 5       |
| 690627                  | 10D16       | Bussmann | India  | 10A  | 500V  | 50mm   | 13.2mm | 8mm          | Each | 5       |
| 690635                  | 16D16       | Bussmann | India  | 16A  | 500V  | 50mm   | 13.2mm | 10mm         | Each | 5       |
| 690643                  | 20D16       | Bussmann | India  | 20A  | 500V  | 50mm   | 13.2mm | 12mm         | Each | 5       |
| 690651                  | 25D16       | Bussmann | India  | 25A  | 500V  | 50mm   | 13.2mm | 14mm         | Each | 5       |
| Diazed D27 Bottle Fuses |             |          |        |      |       |        |        |              |      |         |
| 688657                  | 2D27        | Bussmann | India  | 2A   | 500V  | 50mm   | 21.5mm | 6mm          | Each | 5       |
| 688665                  | 4D27        | Bussmann | India  | 4A   | 500V  | 50mm   | 21.5mm | 6mm          | Each | 5       |
| 688673                  | 6D27        | Bussmann | India  | 6A   | 500V  | 50mm   | 21.5mm | 6mm          | Each | 5       |
| 688681                  | 10D27       | Bussmann | India  | 10A  | 500V  | 50mm   | 21.5mm | 8mm          | Each | 5       |
| 688703                  | 16D27       | Bussmann | India  | 16A  | 500V  | 50mm   | 21.5mm | 10mm         | Each | 5       |
| 688711                  | 20D27       | Bussmann | India  | 20A  | 500V  | 50mm   | 21.5mm | 12mm         | Each | 5       |
| 688738                  | 25D27       | Bussmann | India  | 25A  | 500V  | 50mm   | 21.5mm | 14mm         | Each | 5       |



12kV MV Air

## WEATHER-SEALED MV HRC FUSELINKS FOR USE IN AIR

| Part Number                      | Description             | Brand    | Origin | Amps  | Volts | Break Capacity | Dimensions | Configuration | Unit | Box Qty |
|----------------------------------|-------------------------|----------|--------|-------|-------|----------------|------------|---------------|------|---------|
| MV 12kV Fuselinks for use in Air |                         |          |        |       |       |                |            |               |      |         |
| 671142                           | 6.3A Air (12BDGHA6.3)   | Bussmann | India  | 6.3A  | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 670154                           | 10A Air (12BDGHA10)     | Bussmann | India  | 10A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 671150                           | 16A Air (12BDGHA16)     | Bussmann | India  | 16A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 671169                           | 20A Air (12BDGHA20)     | Bussmann | India  | 20A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 671371                           | 25A Air (12BDGHA25)     | Bussmann | India  | 25A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 670375                           | 31.5A Air (12BDGHA31.5) | Bussmann | India  | 31.5A | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 667080                           | 40A Air (12BDGHA40)     | Bussmann | India  | 40A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 671185                           | 50A Air (12BDGHA50)     | Bussmann | India  | 50A   | 12kV  | 40kA           | 359Lx51Dmm | Ferrule       | Each | 3       |
| 671398                           | 56A Air (12BFGHA56)     | Bussmann | India  | 56A   | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |
| 671401                           | 63A Air (12BFGHA63)     | Bussmann | India  | 63A   | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |
| 671193                           | 80A Air (12BFGHA80)     | Bussmann | India  | 80A   | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |
| 670685                           | 90A Air (12BFGHA90)     | Bussmann | India  | 90A   | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |
| 671207                           | 100A Air (12BFGHA100)   | Bussmann | India  | 100A  | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |
| 671215                           | 125A Air (12AKGHA125)   | Bussmann | India  | 125A  | 12kV  | 40kA           | 359Lx76Dmm | Ferrule       | Each | 3       |

Fuses on this page comply to BS 2692-1 Standard



12kV MV Oil

## MV HRC FUSELINKS FOR USE IN OIL SWITCHGEAR

| Part Number                      | Description             | Brand    | Origin | Amps  | Volts | Break Capacity | Dimensions   | Configuration | Unit | Box Qty |
|----------------------------------|-------------------------|----------|--------|-------|-------|----------------|--------------|---------------|------|---------|
| MV 12kV Fuselinks for use in Oil |                         |          |        |       |       |                |              |               |      |         |
| 670251                           | 6.3A Oil (120EFMA6.3)   | Bussmann | India  | 6.3A  | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670243                           | 10A Oil (120EFMA10)     | Bussmann | India  | 10A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670278                           | 16A Oil (120EFMA16)     | Bussmann | India  | 16A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670286                           | 20A Oil (120EFMA20)     | Bussmann | India  | 20A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670065                           | 25A Oil (120EFMA25)     | Bussmann | India  | 25A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670073                           | 31.5A Oil (120EFMA31.5) | Bussmann | India  | 31.5A | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670081                           | 40A Oil (120EFMA40)     | Bussmann | India  | 40A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670006                           | 50A Oil (120EFMA50)     | Bussmann | India  | 50A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670014                           | 63A Oil (120EFMA63)     | Bussmann | India  | 63A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670111                           | 71A Oil (120HFMA71)     | Bussmann | India  | 71A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670138                           | 80A Oil (120HFMA80)     | Bussmann | India  | 80A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 671118                           | 90A Oil (120HFMA90)     | Bussmann | India  | 90A   | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 670537                           | 100A Oil (120HFMA100)   | Bussmann | India  | 100A  | 12kV  | 40kA           | 254Lx63.5Dmm | Ferrule       | Each | 3       |
| 671126                           | 125A Oil (120LGMA125)   | Bussmann | India  | 125A  | 12kV  | 40kA           | 359Lx63.5Dmm | Ferrule       | Each | 3       |
| 671134                           | 160A Oil (120LGMA160)   | Bussmann | India  | 160A  | 12kV  | 40kA           | 359Lx63.5Dmm | Ferrule       | Each | 3       |

Fuses on this page comply to IEC 60282-1 &amp; BS 2692-1 Standards



12kV MV Back Up

**WEATHER-SEALED MV HRC BACK UP FUSELINKS**

| Part Number                        | Description                 | Brand    | Origin | Amps  | Volts | Break Capacity | Dimensions | Configuration | Unit | Box Qty |
|------------------------------------|-----------------------------|----------|--------|-------|-------|----------------|------------|---------------|------|---------|
| <b>MV 12kV Fuselinks – Back Up</b> |                             |          |        |       |       |                |            |               |      |         |
| 671223                             | 6.3A Back Up (12TDLEJ6.3)   | Bussmann | India  | 6.3A  | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671231                             | 10A Back Up (12TDLEJ10)     | Bussmann | India  | 10A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671258                             | 16A Back Up (12TDLEJ16)     | Bussmann | India  | 16A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671266                             | 20A Back Up (12TDLEJ20)     | Bussmann | India  | 20A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671274                             | 25A Back Up (12TDLEJ25)     | Bussmann | India  | 25A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671282                             | 31.5A Back Up (12TDLEJ31.5) | Bussmann | India  | 31.5A | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671290                             | 40A Back Up (12TDLEJ40)     | Bussmann | India  | 40A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671304                             | 50A Back Up (12TDLEJ50)     | Bussmann | India  | 50A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671312                             | 63A Back Up (12TDLEJ63)     | Bussmann | India  | 63A   | 12kV  | 63kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671320                             | 80A Back Up (12THLEJ80)     | Bussmann | India  | 80A   | 12kV  | 63kA           | 292Lx67Dmm | Ferrule       | Each | 3       |
| 671339                             | 100A Back Up (12THLEJ100)   | Bussmann | India  | 100A  | 12kV  | 63kA           | 292Lx67Dmm | Ferrule       | Each | 3       |
| 671347                             | 125A Back Up (12TKLEJ125)   | Bussmann | India  | 125A  | 12kV  | 63kA           | 292Lx76Dmm | Ferrule       | Each | 3       |
| 671355                             | 160A Back Up (12TXLEJ160)   | Bussmann | India  | 160A  | 12kV  | 63kA           | 292Lx88Dmm | Ferrule       | Each | 3       |
| 671363                             | 200A Back Up (12TXLEJ200)   | Bussmann | India  | 200A  | 12kV  | 63kA           | 292Lx88Dmm | Ferrule       | Each | 3       |

Fuses on this page comply to IEC 60282-4 & DIN 43265 Standards



12kV MV Full Range

## MV HRC FULL RANGE FUSELINKS

| Part Number                    | Description                    | Brand    | Origin | Amps  | Volts | Break Capacity | Dimensions | Configuration | Unit | Box Qty |
|--------------------------------|--------------------------------|----------|--------|-------|-------|----------------|------------|---------------|------|---------|
| MV 12kV Fuselinks – Full Range |                                |          |        |       |       |                |            |               |      |         |
| 670545                         | 6.3A Full Range (12FDLSJ6.3)   | Bussmann | UK     | 6.3A  | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 670553                         | 10A Full Range (12FDLSJ10)     | Bussmann | UK     | 10A   | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 670642                         | 16A Full Range (12FDLSJ16)     | Bussmann | UK     | 16A   | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 670502                         | 20A Full Range (12FDLSJ20)     | Bussmann | UK     | 20A   | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 671010                         | 25A Full Range (12FDLSJ25)     | Bussmann | UK     | 25A   | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 670499                         | 31.5A Full Range (12FDLSJ31.5) | Bussmann | UK     | 31.5A | 12kV  | 50kA           | 292Lx51Dmm | Ferrule       | Each | 3       |
| 670030                         | 40A Full Range (12FFLSJ40)     | Bussmann | UK     | 40A   | 12kV  | 50kA           | 292Lx76Dmm | Ferrule       | Each | 3       |
| 670510                         | 50A Full Range (12FFLSJ50)     | Bussmann | UK     | 50A   | 12kV  | 50kA           | 292Lx76Dmm | Ferrule       | Each | 3       |
| 670049                         | 63A Full Range (12FFLSJ63)     | Bussmann | UK     | 63A   | 12kV  | 50kA           | 292Lx76Dmm | Ferrule       | Each | 3       |
| 670057                         | 80A Full Range (12FXLSJ80)     | Bussmann | UK     | 80A   | 12kV  | 50kA           | 292Lx88Dmm | Ferrule       | Each | 3       |
| 670529                         | 100A Full Range (12FXLSJ100)   | Bussmann | UK     | 100A  | 12kV  | 50kA           | 292Lx88Dmm | Ferrule       | Each | 3       |

Fuses on this page comply to IEC 60282-4 &amp; DIN 43265 Standards



NZI Fused Streetlight Panel



NZI Fused Streetlight Panel – Side View



NZI Double Fused Streetlight Panel



NZI 60A 2 Way Domestic Panel



NZI 60A 2 Way Domestic Panel – Back View

## NZI LOW VOLTAGE PANELS

| Part Number               | Description                            | Brand | Origin | Assembled    | Dimensions | Unit | Box Qty |
|---------------------------|----------------------------------------|-------|--------|--------------|------------|------|---------|
| <b>Low Voltage Panels</b> |                                        |       |        |              |            |      |         |
| 301167*                   | NZI Fused 60A 2W + P Panel             | NZI   | NZ     | Preassembled | 120x187mm  | Each | 1       |
| 301175*                   | NZI Fused 60A 3PH Panel                | NZI   | NZ     | Preassembled | 110x187mm  | Each | 1       |
| 301191*                   | NZI Fused 60A 6 Fuse Panel             | NZI   | NZ     | Preassembled | 270x335mm  | Each | 1       |
| 301574*                   | NZI 60A 4 Way Domestic Panel           | NZI   | NZ     | Preassembled | 138x196mm  | Each | 1       |
| 301582*                   | NZI Fused 60A 4 Fuse Domestic Panel    | NZI   | NZ     | Preassembled | 220x335mm  | Each | 1       |
| 301906*                   | NZI Fused 100A 3 Phase Panel           | NZI   | NZ     | Preassembled | 145x205mm  | Each | 1       |
| 301914*                   | NZI Fused 100A 3 Phase with Stud Panel | NZI   | NZ     | Preassembled | 155x187mm  | Each | 1       |
| 301922*                   | NZI Fused Industrial 60/200A Panel     | NZI   | NZ     | Preassembled | 220x335mm  | Each | 1       |
| 302007*                   | NZI Transformer LT Panel               | NZI   | NZ     | Preassembled | 350x540mm  | Each | 1       |
| 302015*                   | NZI Fused Streetlight Panel            | NZI   | NZ     | Preassembled | 267x50mm   | Each | 1       |
| 302619*                   | NZI Double Fused Streetlight Panel     | NZI   | NZ     | Preassembled | 267x50mm   | Each | 1       |
| 302805*                   | NZI Single Fused Streetlight Panel     | NZI   | NZ     | Preassembled | 650x50mm   | Each | 1       |

\* Limited stock available.

We can make to order any configuration to meet customers' requirements.



| TYPE T EXPULSION FUSE |             |              |      |       |      |         |
|-----------------------|-------------|--------------|------|-------|------|---------|
| Part Number           | Description | Brand        | Amps | Volts | Unit | Bag Qty |
| 673358                | 15TBR1      | Bussmann/NZI | 1A   | 15kV  | 1    | 1       |
| 673366                | 15TBR2      | Bussmann/NZI | 2A   | 15kV  | 1    | 1       |
| 673374                | 15TBR3      | Bussmann/NZI | 3A   | 15kV  | 1    | 1       |
| 673382                | 15TBR5      | Bussmann/NZI | 5A   | 15kV  | 1    | 1       |
| 673390                | 15TBR6      | Bussmann/NZI | 6A   | 15kV  | 1    | 1       |
| 673498                | 15TBR8      | Bussmann/NZI | 8A   | 15kV  | 1    | 1       |
| 673501                | 15TBR10     | Bussmann/NZI | 10A  | 15kV  | 1    | 1       |
| 673528                | 15TBR12     | Bussmann/NZI | 12A  | 15kV  | 1    | 1       |
| 673536                | 15TBR15     | Bussmann/NZI | 15A  | 15kV  | 1    | 1       |
| 673544                | 15TBR20     | Bussmann/NZI | 20A  | 15kV  | 1    | 1       |
| 673552                | 15TBR25     | Bussmann/NZI | 25A  | 15kV  | 1    | 1       |
| 673560                | 15TBR30     | Bussmann/NZI | 30A  | 15kV  | 1    | 1       |
| 673579                | 15TBR40     | Bussmann/NZI | 40A  | 15kV  | 1    | 1       |
| 673587                | 15TBR50     | Bussmann/NZI | 50A  | 15kV  | 1    | 1       |
| 673595                | 15TBR60     | Bussmann/NZI | 60A  | 15kV  | 1    | 1       |
| 673609                | 15TBR65     | Bussmann/NZI | 65A  | 15kV  | 1    | 1       |
| 673617                | 15TBR75     | Bussmann/NZI | 75A  | 15kV  | 1    | 1       |
| 673625                | 15TBR80     | Bussmann/NZI | 80A  | 15kV  | 1    | 1       |
| 673633                | 15TBR100    | Bussmann/NZI | 100A | 15kV  | 1    | 1       |







Type K Expulsion Fuselink



Clear Amperage Labelling



Removable Button Head and Crimped Wiring

## TYPE K EXPULSION FUSE

| Part Number | Description | Brand        | Amps  | Volts | Unit | Bag Qty |
|-------------|-------------|--------------|-------|-------|------|---------|
| 674036      | 15KBR1      | Bussmann/NZI | 1 A   | 15kV  | 1    | 1       |
| 674044      | 15KBR2      | Bussmann/NZI | 2 A   | 15kV  | 1    | 1       |
| 674052      | 15KBR3      | Bussmann/NZI | 3 A   | 15kV  | 1    | 1       |
| 674060      | 15KBR5      | Bussmann/NZI | 5 A   | 15kV  | 1    | 1       |
| 674079      | 15KBR6      | Bussmann/NZI | 6 A   | 15kV  | 1    | 1       |
| 674087      | 15KBR8      | Bussmann/NZI | 8 A   | 15kV  | 1    | 1       |
| 674095      | 15KBR10     | Bussmann/NZI | 10 A  | 15kV  | 1    | 1       |
| 674109      | 15KBR12     | Bussmann/NZI | 12 A  | 15kV  | 1    | 1       |
| 674117      | 15KBR15     | Bussmann/NZI | 15 A  | 15kV  | 1    | 1       |
| 674125      | 15KBR20     | Bussmann/NZI | 20 A  | 15kV  | 1    | 1       |
| 674133      | 15KBR25     | Bussmann/NZI | 25 A  | 15kV  | 1    | 1       |
| 674141      | 15KBR30     | Bussmann/NZI | 30 A  | 15kV  | 1    | 1       |
| 674168      | 15KBR40     | Bussmann/NZI | 40 A  | 15kV  | 1    | 1       |
| 674176      | 15KBR50     | Bussmann/NZI | 50 A  | 15kV  | 1    | 1       |
| 674184      | 15KBR60     | Bussmann/NZI | 60 A  | 15kV  | 1    | 1       |
| 674192      | 15KBR65     | Bussmann/NZI | 65 A  | 15kV  | 1    | 1       |
| 674206      | 15KBR75     | Bussmann/NZI | 75 A  | 15kV  | 1    | 1       |
| 674214      | 15KBR80     | Bussmann/NZI | 80 A  | 15kV  | 1    | 1       |
| 674222      | 15KBR100    | Bussmann/NZI | 100 A | 15kV  | 1    | 1       |





## SERVICE KITS AND SPARE PARTS FOR LONG AND CRAWFORD SWITCHGEAR

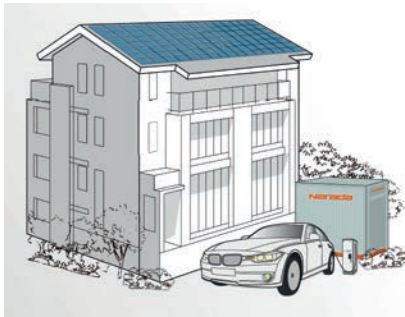
Service Kits and Spare Parts for Long and Crawford Switchgear including but not limited to:

- Covers
- Studs
- Gaskets
- Labels
- Dash Pots
- Fixed Contacts
- Pins
- Braids
- Cable Boxes
- End Cap kits
- Handles
- Sight Glasses
- Bushings/Mouldings
- Power Fuse/Test Fuse
- Speciality Tools

Contact our office to discuss your specific part/kit requirements for the various models of switchgear.



**WEB [nzinsulators.co.nz](http://nzinsulators.co.nz) • HQ & FACTORY Thomas Street, PO Box 5, Temuka**



## CONTAINERISED BATTERY ENERGY STORAGE SYSTEM (BESS)

- **Modular Scalable Design**  
EnergCube is designed with three modular container sizes (10ft - 250kWh, 20ft - 500kWh, 40ft - 1000kWh) for easy scalability for "On or Off" grid applications.
- **Plug n Play**  
Highly integrated battery system enables easy transport and installation.
- **Customisation**  
Flexible system configuration to suit most applications.
- **One-Stop Turnkey Solution**  
EnergCube has integrated all components including hardware and software to provide a one-stop turnkey solution.
- **Lead Carbon and Lithium Battery Options**

Contact our office to discuss your specific system requirements and we can design a solution to meet your customised energy requirements.

**Motor Circuit Protection Chart**  
AS 2005,BS88 and IEC 60269  
AS NZS 60269

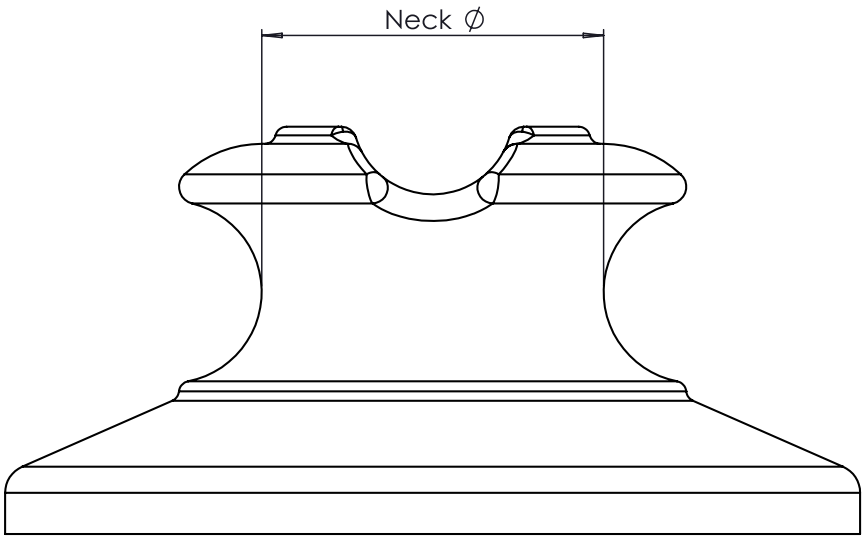
| Power<br>(KW) | Horse<br>Power<br>(HP) | Current<br>F.L.C.<br>(AMPS) | Direct On Line |               | Assisted<br>Start<br>Fuse |
|---------------|------------------------|-----------------------------|----------------|---------------|---------------------------|
|               |                        |                             | Normal<br>Fuse | Motor<br>Fuse |                           |
| 0.75          | 1.0                    | 1.9                         | 6              | —             | 4                         |
| 1.1           | 1.5                    | 2.5                         | 10             | —             | 6                         |
| 1.5           | 2.0                    | 3.5                         | 16             | —             | 10                        |
| 2.2           | 3.0                    | 5.0                         | 20             | —             | 10                        |
| 3.0           | 4.0                    | 6.5                         | 20             | —             | 16                        |
| 4.0           | 5.5                    | 8.0                         | 25             | 20M25 G06     | 16                        |
| 5.5           | 7.5                    | 11                          | 32             | 20M32 G06     | 20                        |
| 7.5           | 10                     | 14                          | 40             | 32M40 G06     | 20                        |
| 11            | 15                     | 21                          | 50             | 32M50 H07     | 25                        |
| 15            | 20                     | 28                          | 63             | 32M63 H07     | 40                        |
| 18.5          | 25                     | 35                          | 80             | 63M80 K07     | 40                        |
| 22            | 30                     | 40                          | 80             | 63M100 K07    | 50                        |
| 30            | 40                     | 55                          | 100            | 63M100 K07    | 63                        |
| 37            | 50                     | 66                          | 125            | 100M125 L09   | 80                        |
| 45            | 60                     | 80                          | 160            | 100M160 L09   | 100                       |
| 55            | 75                     | 102                         | 200            | —             | 125                       |
| 75            | 100                    | 135                         | 250            | 200M250 M09   | 160                       |
| 90            | 120                    | 165                         | 250            | 200M250 M14   | 200                       |
| 110           | 150                    | 200                         | 350            | 315M400 N09   | 200                       |
| 132           | 180                    | 230                         | 355            | —             | 250                       |
| 150           | 200                    | 260                         | 400            | —             | 315                       |
| 160           | 220                    | 280                         | 400            | —             | 315                       |
| 185           | 250                    | 325                         | 450            | 400M500 P09   | 355                       |
| 200           | 270                    | 350                         | 500            | 400M500 P11   | 400                       |
| 220           | 300                    | 385                         | 560            | —             | 450                       |
| 250           | 340                    | 450                         | 560            | —             | 450                       |
| 315           | 430                    | 545                         | 670            | —             | 560                       |

D.O.L. based on 7 x motor F.L.C. for 10 seconds  
Assisted start based on 3.5 x motor F.L.C. for 20 seconds



Certified to BS88 Parts 1 + 2 + 6 (G06 only), IEC 60269-1, Rated Breaking Capacity 80kA

| NZI  | Bussmann | BS88 Ref | Rating (amps) | Fixing Centres | Compatible With |       |      |
|------|----------|----------|---------------|----------------|-----------------|-------|------|
| G06  | NSD      |          | 2-20          | Staggered      | NS              | SN2   | FE01 |
| G06  |          |          | 25-32         | Staggered      | NS              | SN2   | NS   |
| NITD | NITD     | A1       | 2-32          | 44.5mm         | NIT             | SA2   | NIT  |
| H07  | AAO      | A2       | 2-32          | 73.5mm         | TIA             | SB2   | TIA  |
| K07  | BAO      | A3       | 40-63         | 73mm           | TIS             | SB4   | TIS  |
| K07R | OSD      |          | 80-100        | 73mm           |                 |       |      |
| K09  | AD/BD    |          | 2-63          | 111mm          | TBC             | SF4   | TBC  |
| L09  | CD       | B1       | 80-100        | 111mm          | TC              | SF5   | TC   |
| M09  | DD       | B2       | 125-200       | 111mm          | TF              | SF6   | TF   |
| N09  | ED       | B3       | 250-315       | 111mm          | TKF             | SF7   | TKF  |
| L14  | CEO      |          | 32-100        | 94mm           | TCP             | SD5   | TCP  |
| M14  | DEO      |          | 125-200       | 94mm           | TFP             | SD6   | TFP  |
| N11  | EFS      |          | 250           | 133mm          | TKM             | SG7   | TKM  |
| N11  | EFS      |          | 315           | 133-184mm      | TKM             | SG7   | TKM  |
| P09  | ED       | B4       | 350-400       | 111mm          | TMF             | SF8   | TMF  |
| P11  | EF       | C1       | 350-400       | 133-184mm      | TM              | SH8   | TM   |
| P12  |          |          | 350-400       | 165-228mm      | TMT             | TMT8  | TMT  |
| R11  | FF       |          | 450-630       | 133-184mm      | TTM             | SH9   | TTM  |
| R12  | FG       |          | 450-630       | 165-228mm      | TT              | TT9   | TT   |
| S11  | GF       | C3       | 700-800       | 133-184mm      | TLM             | SH10  |      |
| S12  | GG       |          | 700-800       | 165-228mm      | TLT             | TLT10 | TLT  |
| U44  |          |          | 1000-1250     | 149mm          | TXU             | SJ11  | TXU  |



**ANSI NECK DESIGNATION AND DIMENSIONS**

| Designation Letter | Diameter (mm) (approximate) |
|--------------------|-----------------------------|
| A                  | 44 ±3                       |
| C                  | 57 ±3                       |
| F                  | 73 ±3                       |
| J                  | 89 ±3                       |
| K                  | 102 ±3                      |
| N                  | 152 ±3                      |



**Telarc.**  
The Mark of Success

*This is to certify that*

## NZ Insulators Ltd

Thomas St Temuka New Zealand

*having been assessed by Telarc Limited and having been found to operate a quality management system conforming to*

**ISO 9001:2015**

*is hereby designated*

**Telarc Registered**  
*for the following goods and services*

**No. 2779**

The design and manufacture of electrical porcelain insulators, bushing and other ceramic products and the supply of non ceramic insulators and associated components to the electrical industry from the Temuka factory, Thomas Street, Temuka.

Certificate Issued: 15 February 2021

Current Registration: 15 February 2021

Chairperson

David Bone

Original Registration: 9 October 2000

Expiry Date: 24 March 2024

Chief Executive

Philip Cryer



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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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