

NEW ZEALAND INSULATORS



TEMUKA



Proudly Supporting
the New Zealand
Electrical Industry

2024 CATALOGUE

CENTENARY EDITION

Introduction

This 2024 updated catalogue showcases part of the current range of products that New Zealand Insulators is offering ex-stock, in 2024.

You will notice that this year's catalogue includes a change in the format which makes the catalogue a bit more user friendly and easy to navigate. We have retained the key attributes/format of the A5 size and wire binding (always popular with our customers).

The 2024 catalogue cover obviously links to our 100-year celebrations as a New Zealand manufacturer, this is an accolade not many businesses in NZ get to celebrate and is a very important part of New Zealand Electrical Industry, so well worth celebrating, in 2024.

Our new 2024 Catalogue presents our ever-popular NZI products all manufactured in Temuka, South Canterbury, New Zealand. Plus, an overview of the NZI Agency ranges from Eaton, Busmann, DTR, Poinsa, Polesaver, CTC, Avon, Fulton Industries, Payer, NGK-Stanger, Long & Crawford (Long Controls) and Narada.

Also included are many useful reference pages, fuse compatibility charts, ANSI insulator designations and dimensions and a copy of our current Telarc ISO 9001:2015 Registration.

New Zealand Insulators remains focused on the NZI brand and a determination to retain our capability as a local NZ manufacturer, we thank you for giving NZI the opportunity to expand our role as a supplier.

Copies of this 2024 catalogue are freely available through NZI or via our website. It is also available as a PDF file online at www.nzinsulators.co.nz. PDF drawings for many of the products can also be downloaded from the NZI website.

Our focus is to continue building on our 100-year history of supporting customers, the NZ 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.



Chris van der Werff

General Manager

New Zealand Insulators Limited

Mobile +64 27 7066 205

Email chris@nzinsulators.co.nz



1.0 11-15kV Insulators	NZI	1.1
	DTR	1.2
	CTC	1.3
2.0 22-25kV Insulators	NZI	2.1
	DTR	2.2
3.0 33-35kV Insulators	NZI	3.1
	DTR	3.2
	CTC	3.3
4.0 46-500kV Insulators	NZI	4.1
	DTR	4.2
5.0 11-220kV Standoff & Station Post Insulators	NZI	5.1
	DTR	5.2
	CTC	5.3
6.0 12-33kV Surge Arrestors	DTR	6.1
7.0 Overhead Line Hardware & Low Voltage Insulators	NZI	7.1
	AX	7.2
	Avon Industries	7.3
	CTC	7.4
8.0 Earth Rods, Hardware & Wedge Clamps	Fulton Industries	8.1
	Avon Industries	8.2
9.0 Fuses & Holders – Low & High Voltage HRC Fuse Compatibility Chart Fusible Solutions Chart	NZI	9.1
	Bussmann By Eaton	9.2
	NGK Stanger	9.3
	SYS Economy	9.4
10.0 Preformed Products	Payer	10.1
11.0 Pole Protection	Polesaver	11.1
12.0 HV Switch, Disconnects & Service	NGK Stanger	12.1
	DTR	12.2
	Long Controls	12.3
13.0 Rail Insulators, Switches, Products & Accessories	NZI	13.1
	CTC	13.2
	NGK Stanger	13.3
14.0 Energy Storage Solutions	Narada	14.1

This 2024 catalogue represents over one hundred years of manufacturing excellence. It is underpinned by New Zealand Insulators' 100-year history of proudly supporting the New Zealand electrical industry.

New Zealand Insulators came into being on the 20th February 1924, when the National Electric and Engineering company (NEECO) purchased Dominion Porcelain and Tile Co and renamed it New Zealand Insulators.

In 1868 Joseph Whitehead established a brick works in Temuka, employing William Hoare who in 1894 on the land at the South end of the present factory site started his own brickworks. His son William was employed by the various owners of what had been his father's company and then continued with NZI for all his working life – William was the first of many employees who have spent their entire working lives with NZI.

Clay quarrying started in Kakahu in 1903 and continues today from our NZI owned and operated site providing raw materials and a source of main ingredients for today's NZI Insulators.

Over the years NZI has experienced floods, fires, world wars, the highs and lows of global and domestic

business and unfortunately, 2007 saw the closure of the Ashburton low voltage plant. Staff levels have fluctuated across our 100 years; 3 in 1931, 129 in 1958, 400 in 1986, down to about 18 in 2005. Today we are proud to say that we have returned to more than 80 full-time staff.

NZI is of course also well known for Temuka Pottery and we continued to have production and manufacture of pottery ebbing and flowing from 1924 to a boom period in the 1970s-1980s. In 2014 NZI relinquished pottery manufacture to focus on our main business of insulator manufacture. Being the last manufacturer of porcelain insulators in this part of the world the challenge was accepted to modernise, invigorate and create a business capable of growing for another 100 years.

We are in a position to do this, due to the many staff, families, customers and suppliers who have helped NZI become what it is today, together with the leadership, support and direction from the current New Zealand owners/directors.



Thank you to all those staff and managers who have gone before us creating an opportunity for NZI to excel under the direction of these NZI General Managers:

YEARS	GENERAL MANAGER	YEARS OF SERVICE	COMPANY OWNERSHIP
1924-27	RH Taylor	3	1924-1967 – National Electric & Engineering (NEECO)
1927-30	Jock Ritchie	3	
1930-39	Arthur Toplis	9	
1939	DJ Walker	1	
1940	Mr Miller	1	
1940-42	RH Taylor	2	
1942-66	Tom Lovatt	24	
1966-77	Ron Guthrie	11	1967-1987 – Cable Price Downer
1977-89	Ross Murray	12	1987-1993 – Brierley Investments
1989	Bruce Matheson	1	
1990-94	John Barr	4	1993-1995 – Skellerup Group
1994-2010	Robin Heron	16	1995-1998 – Maine Investments
			1998-2002 – Viking Pacific
			2002-2007 – Tiri Group (JB Were Equity Fund)
			2007-Present – Tiri Group (Tom Sturgess)
2010-13	Greg Howell	3	
2013 - Present	Chris van der Werff	11	

Our focus is to continue building on our 100-year history of supporting customers and the NZ electrical industry by sustainably manufacturing quality porcelain and electrical fittings, complemented with reputable agencies, whilst providing outstanding service and innovation.

As we celebrate our 100-year anniversary and reflect on our varied and interesting history, we thank you for your ongoing support.

For more detailed information on NZI history scan the QR code or visit www.nzinsulators.co.nz/history





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

Original Registration: 9 October 2000

Current Registration: 15 February 2021

Expiry Date: 24 March 2024

Chairperson

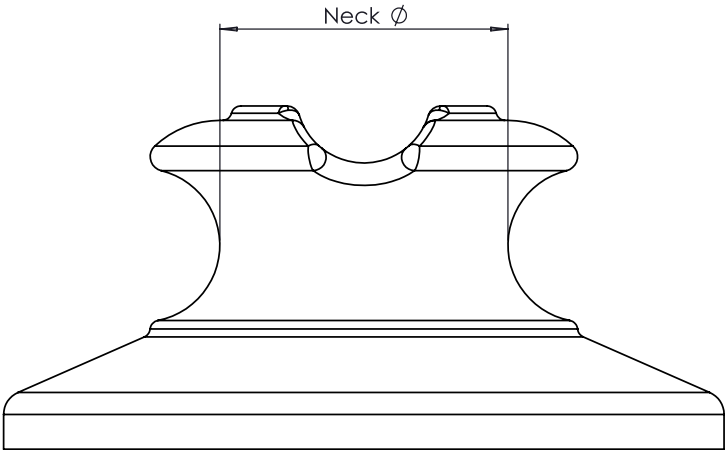
Chief Executive

David Bone

Phillip Cryer



Registered by Telarc Limited 626 Great South Road, Ellerslie, Auckland 1051, Private Bag 28901, Remuera, Auckland 1541. Telephone: 64 9 525 0100 Facsimile: 64 9 525 1900 and subject to the Telarc Limited Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, Telarc Limited accepts responsibility only for proven negligence. To verify that this certificate is current please refer to the JAS-ANZ register at www.jas-anz.org/register This certificate and its associated schedules remain the property of Telarc Limited and must be returned if registration is withdrawn.



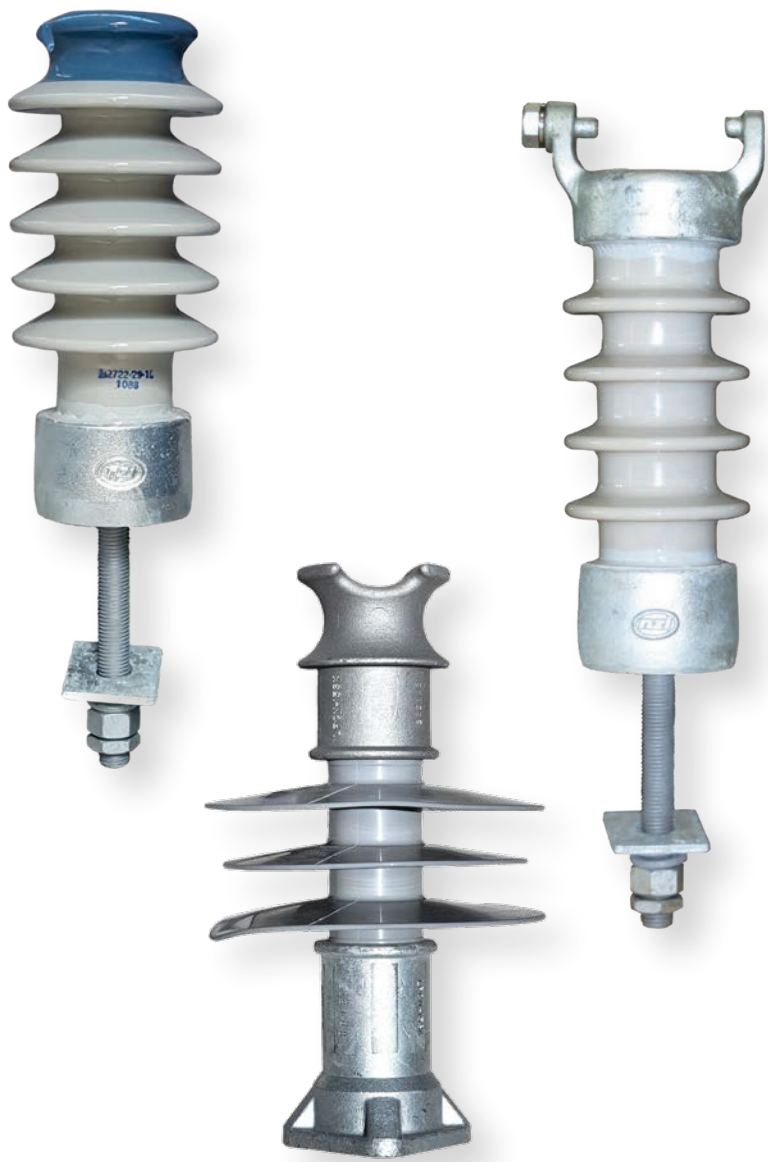
ANSI Neck Designation and Dimensions	
Designation Letter	Diameter (mm) (approximate)
A	44 ±3
C	57 ±3
F	73 ±3
J	89 ±3
K	102 ±3
N	152 ±3

1.0

11-15kV Insulators

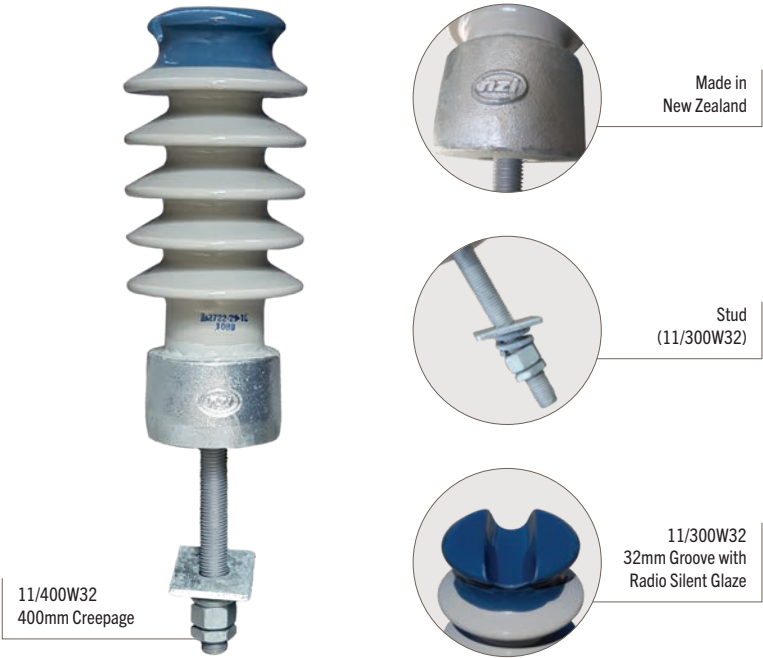


NZI	1.1
DTR	1.2
CTC	1.3



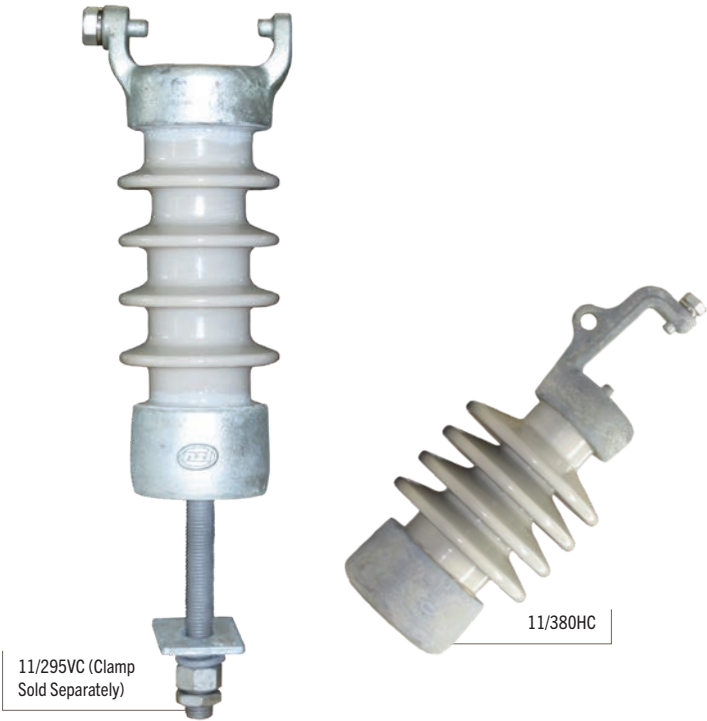
NZI 11kV Porcelain Line Post Insulators – Tie Top

1.1



11kV Porcelain Line Post Insulators – Tie Top								
Brand: NZI Origin: NZ Glaze: Grey Unit: Each								
Part Number	Description	Creepage	Groove	kN	Stud	Weight	Box/Pallet	Drawing
11/300W32								
460818	11kV 300W32	300mm	32mm	10	160mm M20	7.0kg	3/144	D632-0551
464678	11kV 300W32	300mm	32mm	10	205mm M20	7.0kg	3/144	D632-0560
11/400W32								
465577	11kV 400W32	400mm	32mm	10	160mm M20	7.5kg	3/126	D632-0587
458619	11kV 400W32	400mm	32mm	10	160mm M20	7.5kg	BULK	D632-0587
458006	11kV 400W32	400mm	32mm	10	205mm M20	7.5kg	3/126	D632-0596
11/420W32 Ultra Premium								
464314	11kV 420W32	420mm	32mm	17.5	160mm M20	8.4kg	1/40	D632-0564
464287	11kV 420W32	420mm	32mm	17.5	190mm M20	8.4kg	1/40	D632-0565





11kV Porcelain Line Post Insulators – Clamp Top									
Brand: NZI Origin: NZ Glaze: Grey Unit: Each									
Part Number	Description	Creepage	kN	Top	Clamp	Stud	Weight	Box/Pallet	Drawing
11/295VC Vertical									
464589	11kV 295VC	295mm	9.5	Cap & Pintle	Separate	160mm M20	7.0kg	3/72	D724-0526
11/380HC Horizontal									
462411	11kV 380HC	380mm	12	Cap & Pintle	Separate	Separate	12.0kg	1/40	D725-0510

NZI 11kV Porcelain Line Post Insulators – Clamp Top

1.1



Clamp and Stud Options for 11kV Porcelain Line Post Insulators – Clamp Top

Clamp Options for 11/295VC and 11/380HC (Sold Separately)

Construction: Aluminium | Unit: Each

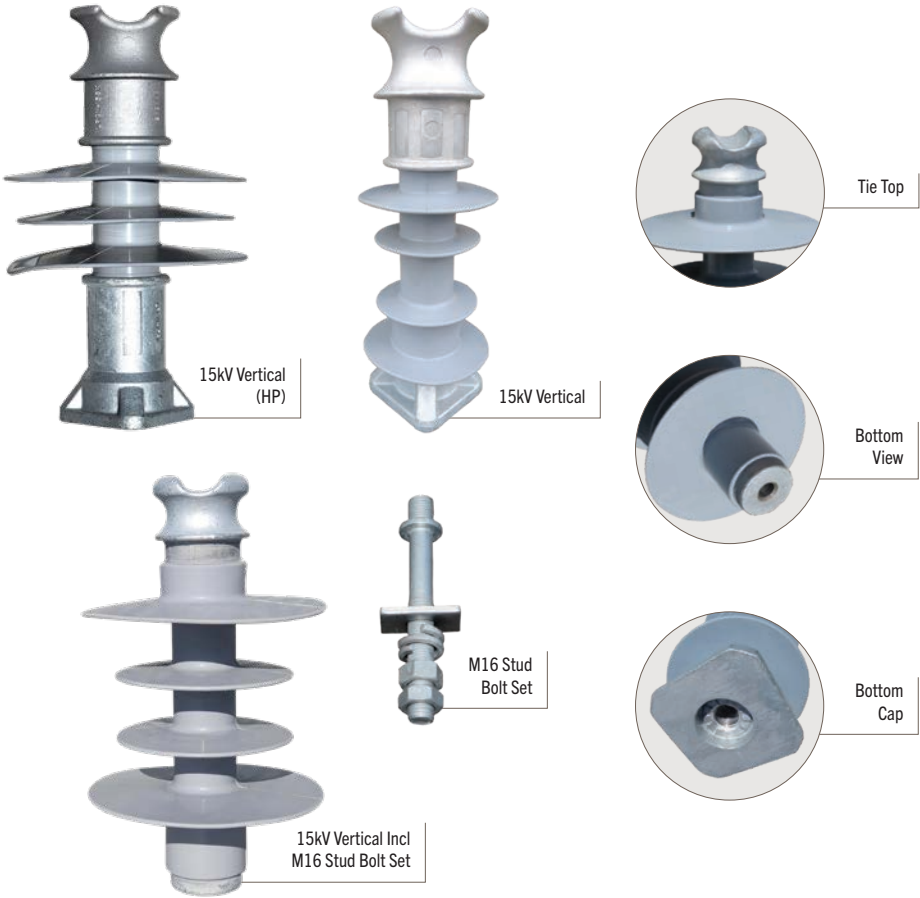
Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for 11/380HC (Sold Separately)

Brand: AX | Origin: NZ | Unit: Each

Part Number	Description	Length	Diameter	Fixings	Weight	Box Qty	Drawing
465291	AX 45mm Line Post Stud	45mm	M20	SW/FN	400g	24	D330-2013
465305	AX 160mm Line Post Stud	160mm	M20	FW/SW/FN/HN	710g	18	D330-2022
465313	AX 205mm Line Post Stud	205mm	M20	FW/SW/FN/HN	800g	12	D330-2059



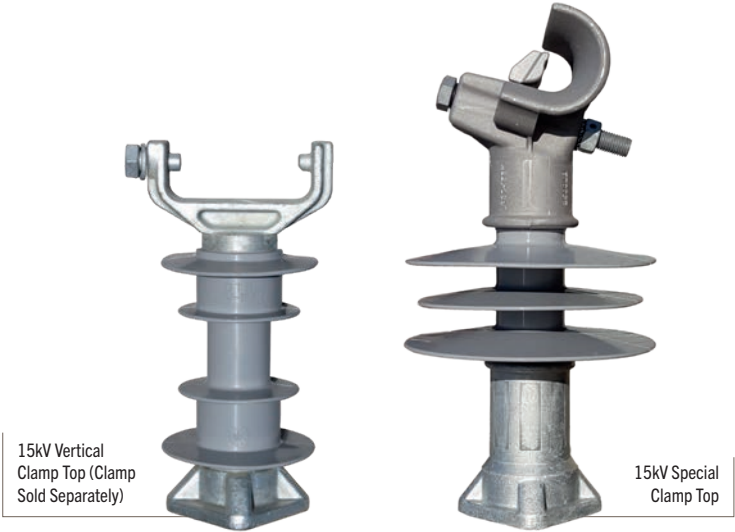


15kV Polymer Line Post Insulators – Tie Top

Brand: DTR | Origin: Korea | Colour: Grey | Unit: Each

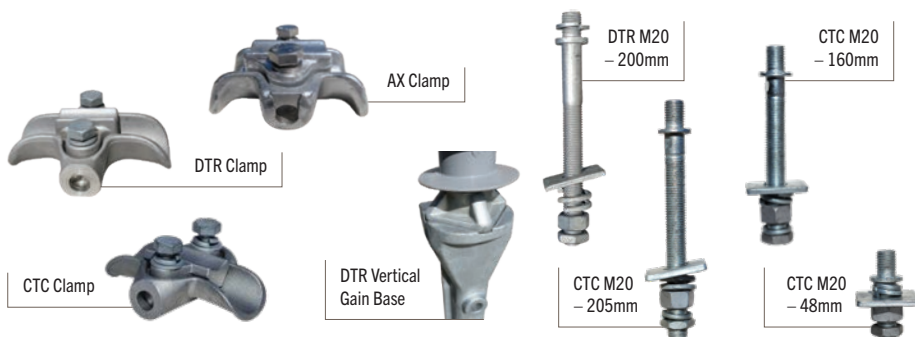
Part Number	Description	Creepage	kN	Stud	Weight	Box/Pallet	Drawing
553239	15kV Vertical	357mm	12.5	Separate	3.5kg	6/120	DTR-LPCN-15SK-NZI
553859	15kV Vertical (HP)	476mm	12.5	Separate	4.0kg	6/120	LPCN-15SK-HP-M20
553778	15kV Vertical Includes: M16 Stud Bolt Set	540mm	12.5	Included	2.5kg 0.5kg	6/120	DTR-LPCN-15SK-SP STD160M16

1.2



15kV Polymer Line Post Insulators – Clamp Top								
Brand: DTR Origin: Korea Colour: Grey Unit: Each								
Part Number	Description	Creepage	kN	Clamp	Stud	Weight	Box/Pallet	Drawing
553093	15kV Vertical	322mm	12.5	Separate	Separate	4.5kg	6/120	DTR-LPV15SK-NZI
553867	15kV Vertical (HP)	476mm	12.5	Separate	Separate	5.0kg	6/120	LPV-15SK-HP-1-M20
553875	15kV Vertical Special	357mm	12.5	Included	Separate	5.0kg	6/120	LPSC-15SK-M20
553883	15kV Vertical Special (HP)	476mm	12.5	Included	Separate	5.5kg	6/120	LPSC-15SK-HP-M20

DTR 15kV Polymer Line Post Insulators



Clamp, Stud and Base Options for 15kV Polymer Line Post Insulators – Tie Top & Clamp Top

Clamp Options for DTR 15kV Line Post Insulators (Sold Separately)

Construction: Aluminium | Unit: Each

Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for DTR 15kV Line Post Insulators (Sold Separately)

Unit: Each

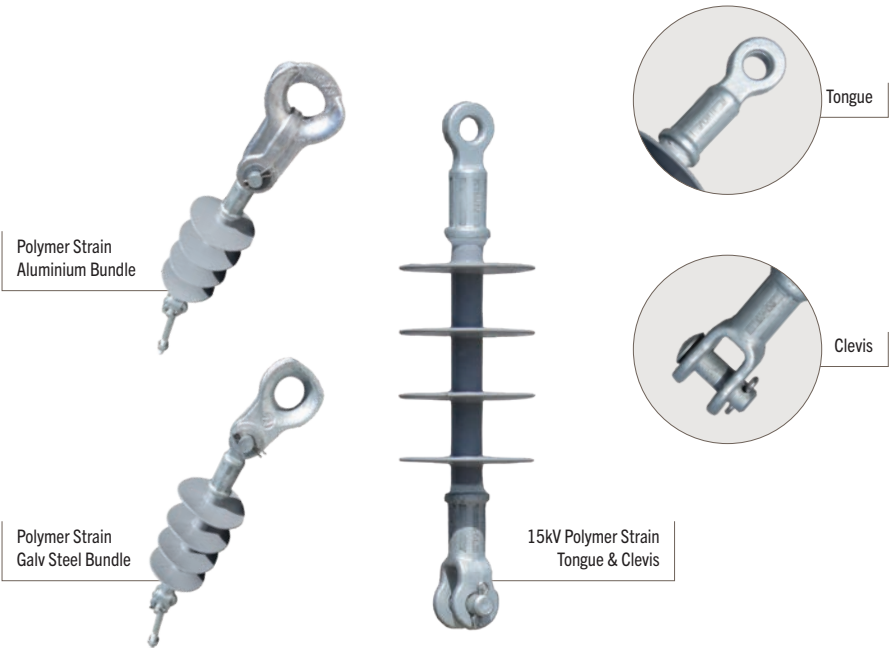
Part Number	Description	Brand	Origin	Length	Diameter	Weight	Box/Pallet	Drawing
553662	DTR 48mm Line Post Stud	DTR	Korea	48mm	M20	300g	96	STD48M20
553581	DTR 160mm Line Post Stud	DTR	Korea	160mm	M20	700g	72	STD160M20
553697	DTR 200mm Line Post Stud	DTR	Korea	200mm	M20	850g	48	STD200M20
556270	CTC 48mm Line Post Stud	CTC	China	48mm	M20	450g	96	CTC48M20
556084	CTC 160mm Line Post Stud	CTC	China	160mm	M20	670g	72	CTC160M20
556106	CTC 205mm Line Post Stud	CTC	China	205mm	M20	750g	48	CTC200M20

Gain Base for DTR 15kV Line Post Insulators (Sold Separately)

Brand: DTR | Origin: Korea | Unit: Each

Part Number	Description	Length	Weight	Box/Pallet	Drawing
553174	Vertical Gain Base	300mm	4.5kg	6/60	DTR-GBV

1.2



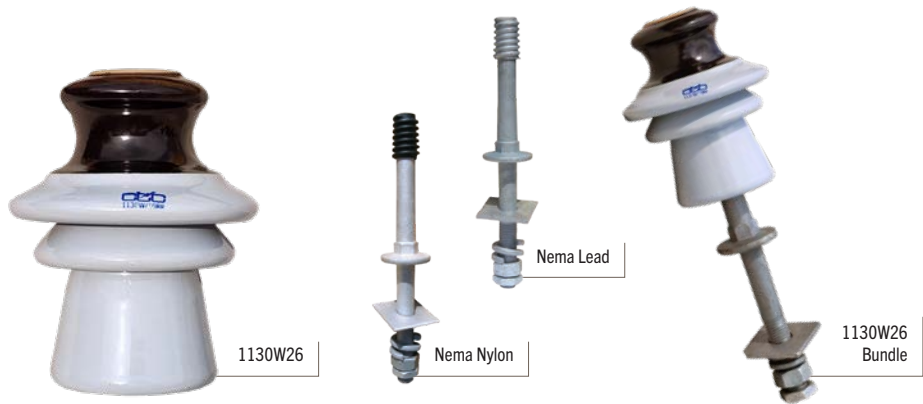
15kV Polymer Strain Insulators (IEC 61109)

Brand: DTR | Origin: Korea | Colour: Grey

Part Number	Description	End Fittings	Rated	kN	Creepage	Sheds	Length	Weight	Box/Pallet	Drawing
553018	15kV Polymer Strain	Tongue & Clevis	15kV	70	459	4	347	0.8kg	10/900	ISA7-0459-AGH
553751	15kV Polymer Strain	Eye & Eye	15kV	70	459	4	347	0.8kg	10/800	ISA7-0459-AGG

Preassembled Polymer Strain Bundles

Part Number	Description	Status	Weight	Box Qty
553336	DTR 15kV Polymer Strain + AX Aluminium Clevis + AVON 32/200M16 Eye Bolt	Assembled	2.1kg	10
553344	DTR 15kV Polymer Strain + AX Galv Steel Clevis + AVON 32/200M16 Eye Bolt	Assembled	2.3kg	10



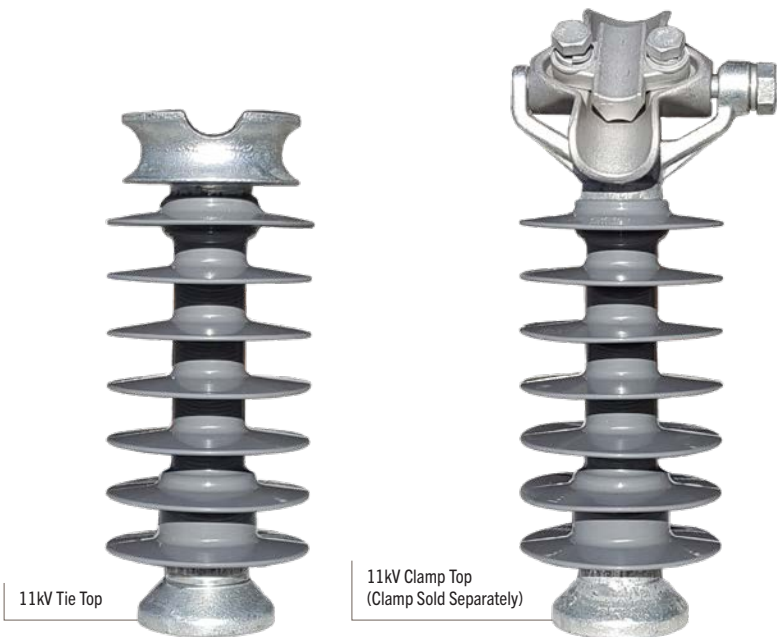
11kV Porcelain Pin-Type Insulator – Tie Top							
Brand: CTC Origin: China Colour: Grey Unit: Each							
Part Number	Description	Creepage	Groove	Thread	Weight	Box/Pallet	Drawing
101346	11kV 1130W26	250mm	26mm	1 Inch SLHT	1.5kg	12/288	S1022-24

Spindle Options for 1130 (Sold Separately)									
Brand: AX Origin: China Head: Steel Unit: Each									
Part Number	Description	Length	kN	Diameter	Head	Thread	Weight	Box Qty	Drawing
536164	AX Nema 1" Nylon Spindle	152/146mm	6	M20	Nylon	1 Inch SLHT	1.0kg	12/480	D374-2134
536326	AX Nema 1" Lead Spindle	152/146mm	6	M20	Lead	1 Inch SLHT	1.1kg	12/480	D374-2118

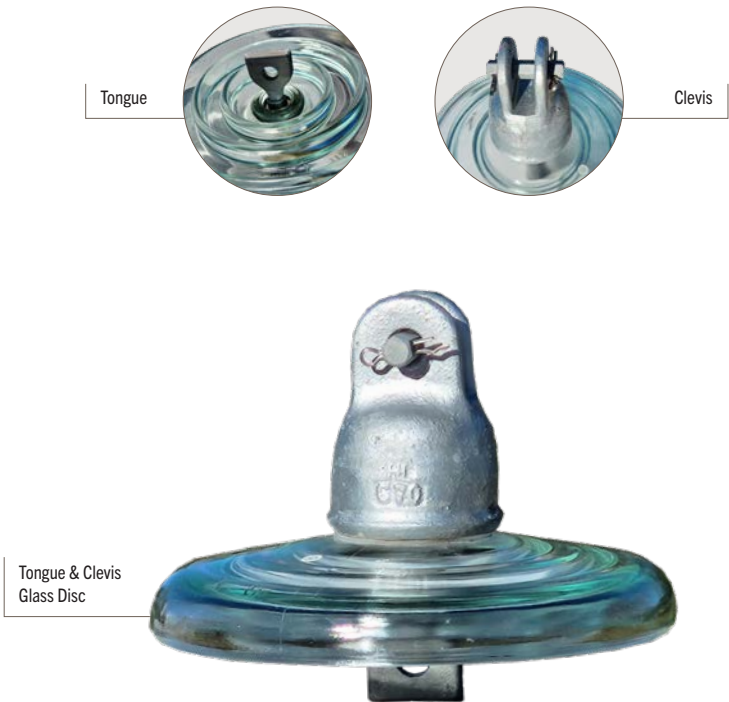
Preassembled 1130 Bundles						
Brand: NZI/AX Unit: Bundle						
Part Number	Description	Status	Weight	Box Qty	Drawing	
103837	CTC 1130W26 + AX Nema Nylon Spindle	Assembled	2.5kg	6	D750-0502	
103403	CTC 1130W26 + AX Nema Lead Spindle	Assembled	2.5kg	6	D750-0502	

CTC 11kV Polymer Line Post Insulators – Tie Top & Clamp Top

1.3



11kV Polymer Line Post Insulators – Tie Top & Clamp Top									
Brand: CTC Origin: China Colour: Grey Unit: Each									
Part Number	Description	Weight	Creepage	Wet Flashover	Length	kN	Stud	Box	Drawing
527734	11kV Tie Top	2.2kg	550mm	38kV	277mm	11	Separate	6	222304-1
527742	11KV Clamp Top	2.2kg	550mm	38kV	295mm	11	Separate	6	222306-1



11kV Toughened Glass Discs For Distribution (IEC 383-1)								
Brand: CTC Origin: China Colour: Clear Unit: Each								
Part Number	Description	kN	Coupling	Diameter	Creepage	Weight	Box	Drawing
556262	11kV T&C Glass Disc	70	Tongue & Clevis	255mm	320mm	3.6kg	6	U70C/146

2.0

22-25kV Insulators



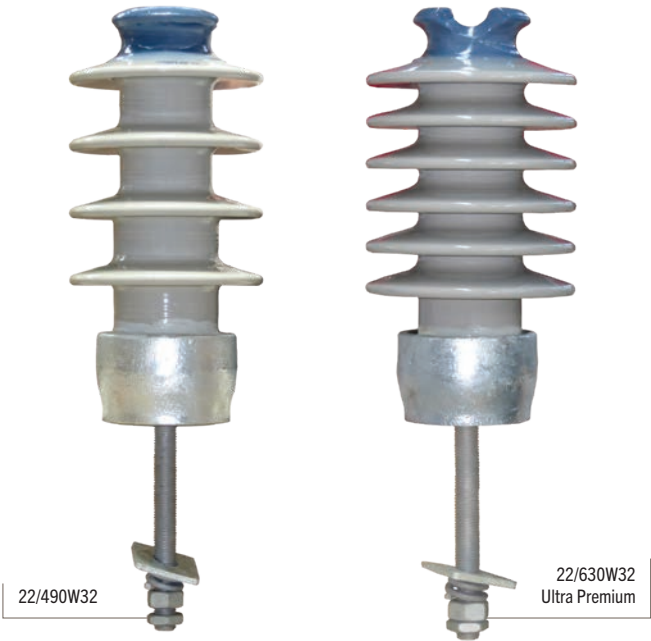


NZI	2.1
DTR	2.2



NZI 22kV Porcelain Line Post Insulators – Tie Top

2.1



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





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

Clamp Options for 22/490VC (Sold Separately)									
Construction: Aluminium Unit: Each									
Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

NZI 22kV Porcelain Pin-Type Insulator – Tie Top

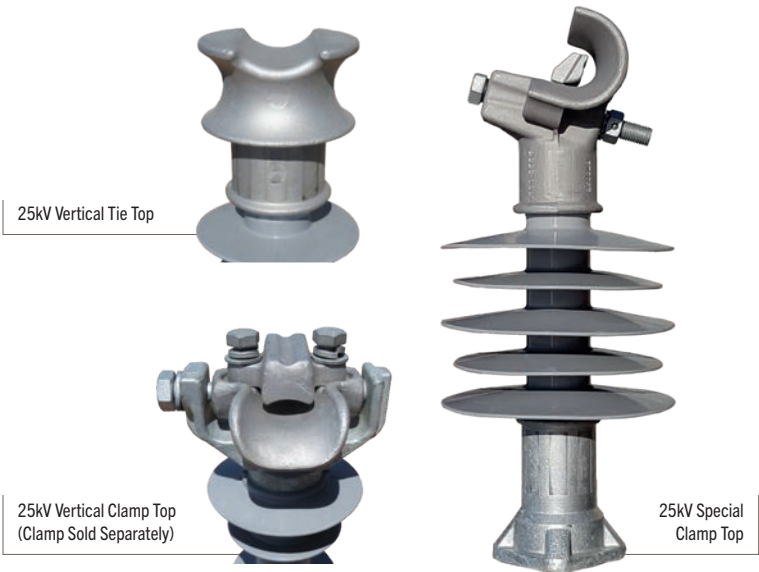
2.1



22kV Porcelain Pin-Type Insulator – Tie Top									
ALP22/450									
Brand: NZI Origin: NZ Colour: Grey Unit: Each									
Part Number	Description	Creepage	Top	Groove	Thread	Weight	Box/Pallet	Drawing	
106941	22kV ALP22/450	450mm	Tie Top	32mm	Pattern C	3.6kg	6/120	S2466-1	

Spindle Options for ALP22/450 (Sold Separately)									
Brand: AX Origin: China Unit: Each									
Part Number	Description	Length	kN	Diameter	Head	Thread	Weight	Box/Pallet	Drawing
538213	AX M20 Spindle (20mm)	200/185mm	10	M20	Lead	Pattern C	2.2kg	6/240	D374-2084
538205	AX M24 Spindle (24mm)	200/185mm	11	M24	Lead	Pattern C	2.4kg	6/240	D374-2085





25kV Polymer Line Post Insulators – Tie Top & Clamp Top

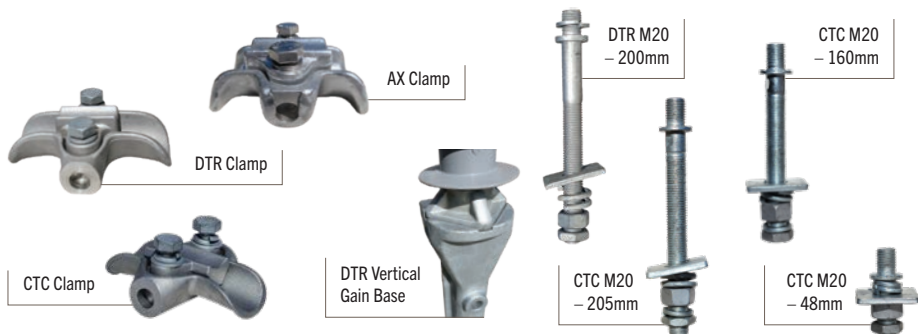
Brand: DTR | Origin: Korea | Colour: Grey | Unit: Each

Part Number	Description	Creepage	kN	Clamp	Stud	Weight	Box/Pallet	Drawing
Tie Top								
553247	25kV Vertical	551mm	12.5	Separate	Separate	4.0kg	6/120	LPFN-25SK-M20
553891	25kV Vertical (HP)	783mm	12.5	Separate	Separate	4.5kg	6/120	LPFN-25SK-HP-M20

Clamp Top								
553115	25kV Vertical	516mm	12.5	Separate	Separate	4.5kg	6/120	LPV-25SK-M20
553905	25kV Vertical (HP)	783mm	12.5	Separate	Separate	5.0kg	6/120	LPV-25SK-HP-1-M20
553913	25kV Vertical Special	551mm	12.5	Included	Separate	5.0kg	6/120	LPSC-25SK-M20
553921	25kV Vertical Special (HP)	783mm	12.5	Included	Separate	5.5kg	6/120	LPSC-25SK-HP-M20

DTR 25kV Polymer Line Post Insulators

2.2



Clamp, Stud and Base Options for 25kV Polymer Line Post Insulators – Tie Top & Clamp Top

Clamp Options for DTR 25kV Line Post Insulators (Sold Separately)

Construction: Aluminium | Unit: Each

Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for DTR 25kV Line Post Insulators (Sold Separately)

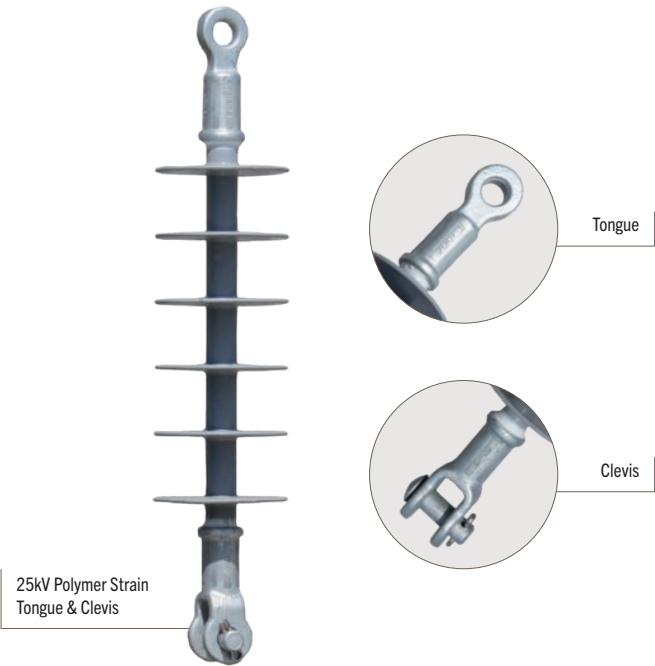
Unit: Each

Part Number	Description	Brand	Origin	Length	Diameter	Weight	Box/Pallet	Drawing
553662	DTR 48mm Line Post Stud	DTR	Korea	48mm	M20	300g	96	STD48M20
553581	DTR 160mm Line Post Stud	DTR	Korea	160mm	M20	700g	72	STD160M20
553697	DTR 200mm Line Post Stud	DTR	Korea	200mm	M20	850g	48	STD200M20
556270	CTC 48mm Line Post Stud	CTC	China	48mm	M20	450g	96	CTC48M20
556084	CTC 160mm Line Post Stud	CTC	China	160mm	M20	670g	72	CTC160M20
556106	CTC 205mm Line Post Stud	CTC	China	205mm	M20	750g	48	CTC200M20

Gain Base for DTR 25kV Line Post Insulators (Sold Separately)

Brand: DTR | Origin: Korea | Unit: Each

Part Number	Description	Length	Weight	Box/Pallet	Drawing
553174	Vertical Gain Base	300mm	4.5kg	6/60	DTR-GBV



25kV Polymer Strain Insulator (IEC 61109)									
Brand: DTR Origin: Korea End Fittings: Tongue & Clevis Colour: Grey Unit: Each									
Part Number	Description	Rated	kN	Creepage	Sheds	Length	Weight	Box/Pallet	Drawing
553026	25kV Polymer Strain	25kV	70	693	6	442	1.3kg	10/600	ISB7-0693-AGH

3.0

33-35kV Insulators





NZI	3.1
DTR	3.2
CTC	3.3

NZI 33kV Porcelain Line Post Insulators – Tie Top

3.1



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



33/915W32



33/955W32
Ultra Premium



33/1200W32
Extra High Creepage

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





33/940VC (Clamp
Sold Separately)



33/1075VC (Clamp
Sold Separately)



33/1200VC (Clamp
Sold Separately)

33kV Porcelain Line Post Insulators – Clamp Top									
Brand: NZI Origin: NZ Glaze: Grey Unit: Each									
Part Number	Description	Creepage	kN	Top	Clamp	Stud	Weight	Box/Pallet	Drawing
Vertical									
464597	33kV 940VC	940mm	10	Cap & Pintle	Separate	205mm M20	15.5kg	1/32	D724-0524
465836	33kV 1075VC	1075mm	10	Cap & Pintle	Separate	205mm M20	16.5kg	1/32	D724-0530
458326	33kV 1200VC	1200mm	12	Cap & Pintle	Separate	205mm M20	21kg	1/32	D724-0531
Horizontal									
465208	33kV 995HC	995mm	12.5	Cap & Pintle	Separate	Separate	21.0kg	1/32	D725-0514

NZI 33kV Porcelain Line Post Insulators – Clamp Top

3.1



Clamp and Stud Options for 33kV Porcelain Line Post Insulators – Clamp Top									
Clamp Options for 33/940VC, 33/1075VC, 33/1200VC and 33/995HC (Sold Separately)									
Construction: Aluminium Unit: Each									
Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for 33/995HC (Sold Separately)							
Brand: AX Origin: NZ Unit: Each							
Part Number	Description	Length	Diameter	Fixings	Weight	Box Qty	Drawing
465291	AX 45mm Line Post Stud	45mm	M20	SW/FN	400g	24	D330-2013
465305	AX 160mm Line Post Stud	160mm	M20	FW/SW/FN/HN	710g	18	D330-2022
465313	AX 205mm Line Post Stud	205mm	M20	FW/SW/FN/HN	800g	12	D330-2059



33kV Porcelain Pin-Type Insulators – Tie Top

3370

Brand: NZI | Origin: NZ | Colour: Grey | Unit: Each

Part Number	Description	Creepage	Groove	Thread	Weight	Box/Pallet	Drawing
112526	33kV 3370	500mm	32mm	BS Large Steel Head	5.2kg	3/96	D327-0503

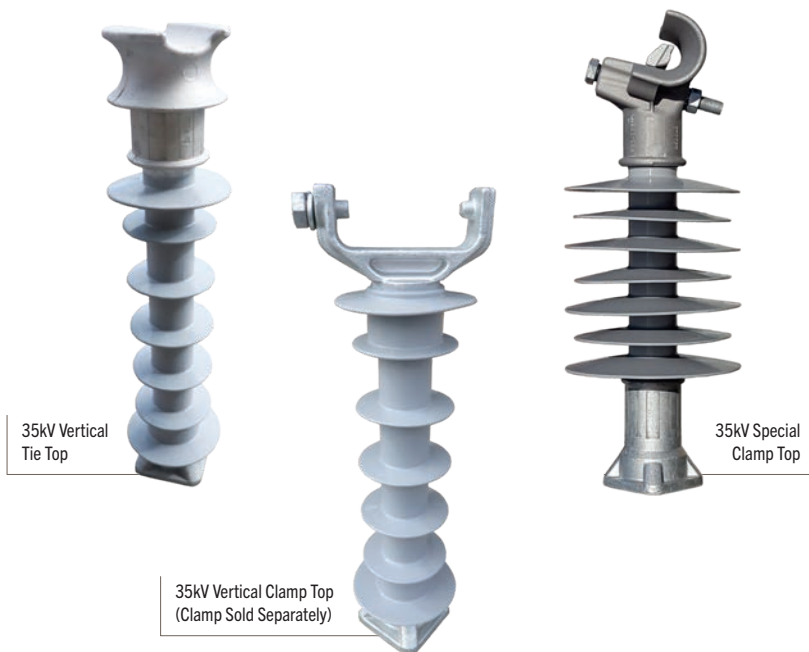
Spindle Options for 3370 (Sold Separately)

Brand: AX | Head: Steel | Thread: BS Large Steel Head | Unit: Each

Part Number	Description	Origin	Length	kN	Diameter	Weight	Box/Pallet	Drawing
540463	AX R31 Steel Spindle	China	305/178mm	10	M22	2.9kg	6/288	D374-2023

DTR 35kV Polymer Line Post Insulators

3.2



35kV Polymer Line Post Insulators – Tie Top & Clamp Top

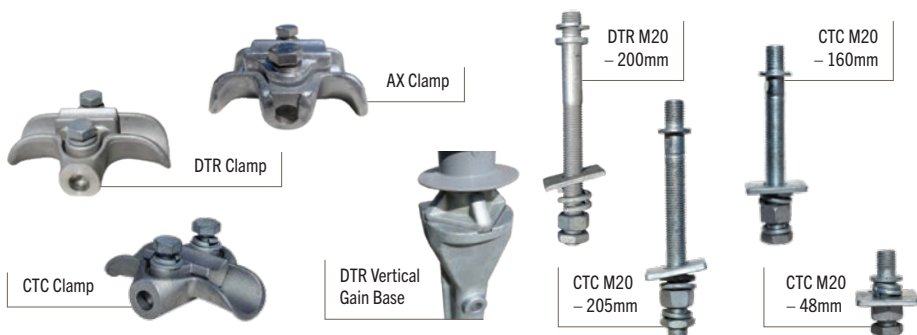
Brand: DTR | Origin: Korea | Colour: Grey | Unit: Each

Part Number	Description	Creepage	kN	Clamp	Stud	Weight	Box/Pallet	Drawing
Tie Top								
553255	35kV Vertical	648mm	12.5	Separate	Separate	4.5kg	6/120	LPFN-35SK-M20
553948	35kV Vertical	1090mm	12.5	Separate	Separate	5.0kg	6/120	LPFN-35SK-HP-M20

Clamp Top

553131	35kV Vertical	613mm	12.5	Separate	Separate	5.0kg	6/120	DTR-LPV-35SK-NZI
553956	35kV Vertical (HP)	1090mm	12.5	Separate	Separate	5.5kg	6/120	LPV-35SK-HP-1-M20
553964	35kV Vertical Special	648mm	12.5	Included	Separate	5.5kg	6/120	LPSC-35SK-M20
553972	35kV Vertical Special (HP)	1090mm	12.5	Included	Separate	6.0kg	6/120	LPSC-35SK-HP-M20

DTR 35kV Polymer Line Post Insulators



Clamp, Stud and Base Options for 35kV Polymer Line Post Insulators – Tie Top & Clamp Top

Clamp Options for DTR 35kV Line Post Insulators (Sold Separately)

Construction: Aluminium | Unit: Each

Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for DTR 35kV Line Post Insulators (Sold Separately)

Unit: Each

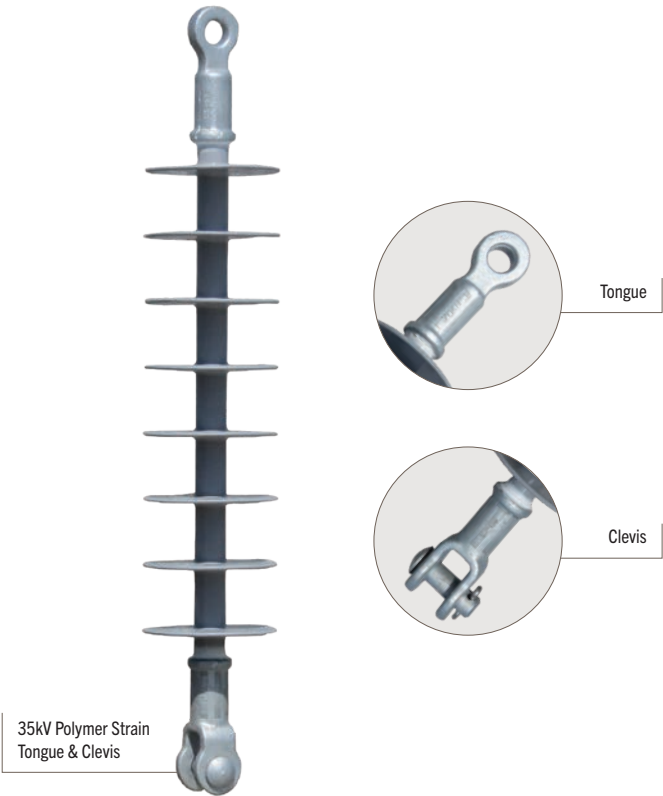
Part Number	Description	Brand	Origin	Length	Diameter	Weight	Box/Pallet	Drawing
553662	DTR 48mm Line Post Stud	DTR	Korea	48mm	M20	300g	96	STD48M20
553581	DTR 160mm Line Post Stud	DTR	Korea	160mm	M20	700g	72	STD160M20
553697	DTR 200mm Line Post Stud	DTR	Korea	200mm	M20	850g	48	STD200M20
556270	CTC 48mm Line Post Stud	CTC	China	48mm	M20	450g	96	CTC48M20
556084	CTC 160mm Line Post Stud	CTC	China	160mm	M20	670g	72	CTC160M20
556106	CTC 205mm Line Post Stud	CTC	China	205mm	M20	750g	48	CTC200M20

Gain Base for DTR 35kV Line Post Insulators (Sold Separately)

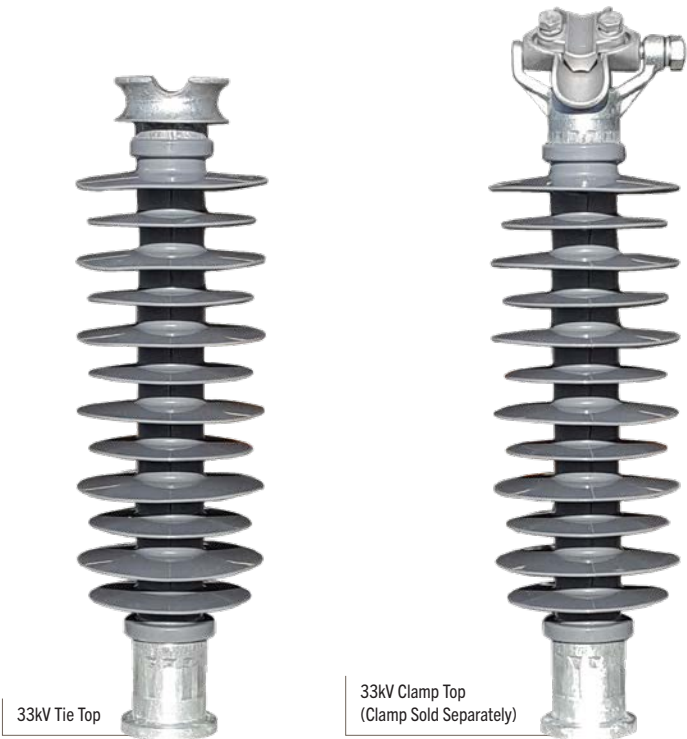
Brand: DTR | Origin: Korea | Unit: Each

Part Number	Description	Length	Weight	Box/Pallet	Drawing
553174	Vertical Gain Base	300mm	4.5kg	6/60	DTR-GBV

3.2



35kV Polymer Strain Insulators (IEC 61109)									
Brand: DTR Origin: Korea End Fittings: Tongue & Clevis Colour: Grey Unit: Each									
Part Number	Description	Rated	kN	Creepage	Sheds	Length	Weight	Box/Pallet	Drawing
553034	35kV Polymer Strain	35kV	70	927	8	536	1.4kg	10/600	ISC7-0927-AGH
554693	35kV Polymer Strain (HP)	35kV	70	1362	8	594	2.0kg	3/84	ISB8-1362-BGH



33kV Tie Top

33kV Clamp Top
(Clamp Sold Separately)

33kV Polymer Line Post Insulators – Tie Top & Clamp Top

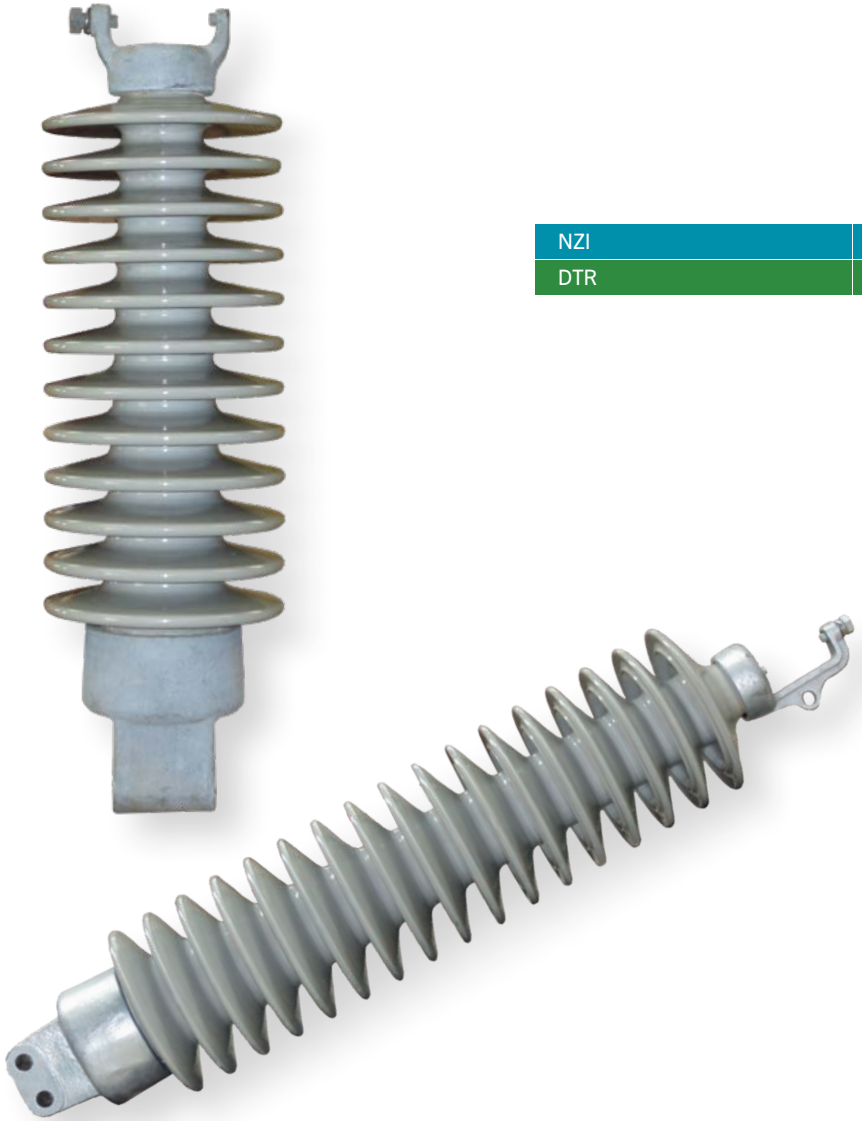
Brand: CTC | Origin: China | Colour: Grey | Unit: Each

Part Number	Description	Weight	Creepage	Wet Flashover	Length	kN	Stud	Box	Drawing
527750	33kV Tie Top	6.3kg	1440mm	140kV	590mm	12.5	M20x205mm	6	222305-1
527769	33kV Clamp Top	6.1kg	1440mm	140kV	560mm	12.5	M20x205mm	6	222307-1

4.0

46-500kV Insulators

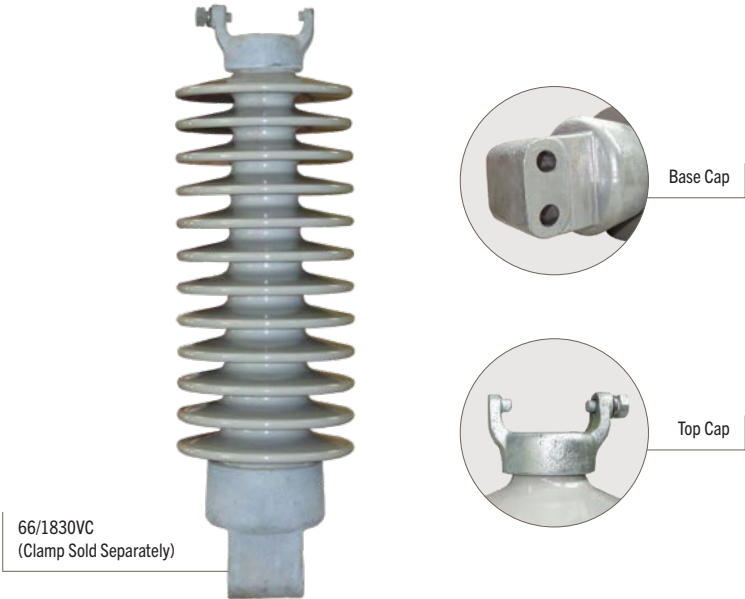




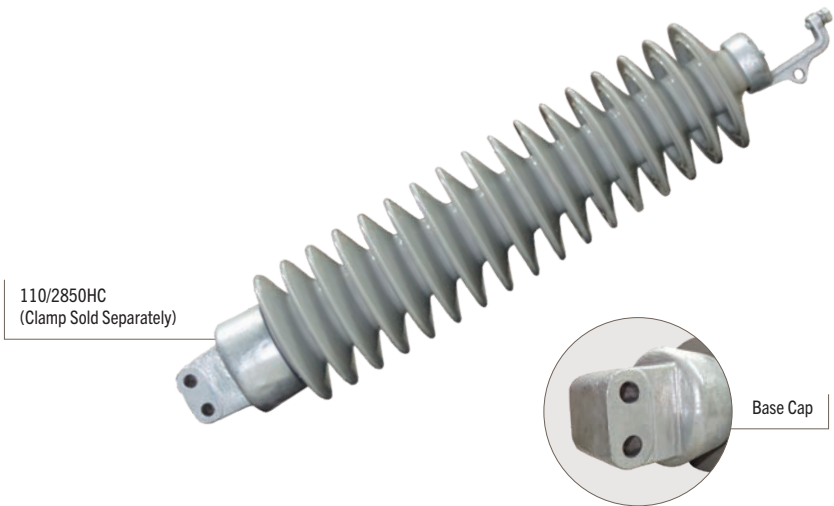
NZI	4.1
DTR	4.2

NZI 66kV Porcelain Line Post Insulators – Clamp Top

4.1



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



110kV Porcelain Line Post Insulators – Clamp Top

Brand: NZI | Origin: NZ | Glaze: Grey | Unit: Each

Part Number	Description	Creepage	kN	Top	Fixing & Clamp	Weight	Box Qty	Drawing
110/2850VC Vertical								
460222	110kV 2850VC	2850mm	10	Cap & Pintle	Separate	60kg	1	D724-0519
110/2850HC Horizontal								
460265	110kV 2850HC	2850mm	10	Cap & Pintle	Separate	60kg	1	D725-0524

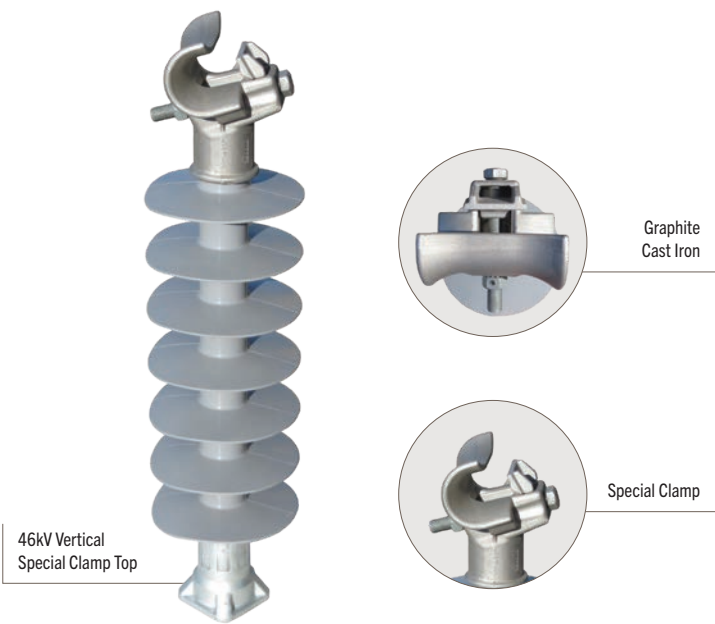
Clamp for 110/2850VC and 110/2850HC (sold separately)

Brand: AX | Origin: NZ | Construction: Aluminium | Unit: Each

Part Number	Description	Conductor Range	Length	Width	Weight	Box Qty	Drawing
461792	AX 10-38mm Trunnion Clamp	10-38mm	127mm	98mm	450g	12	D330-0501

DTR 46kV Polymer Line Post Insulators

4.2

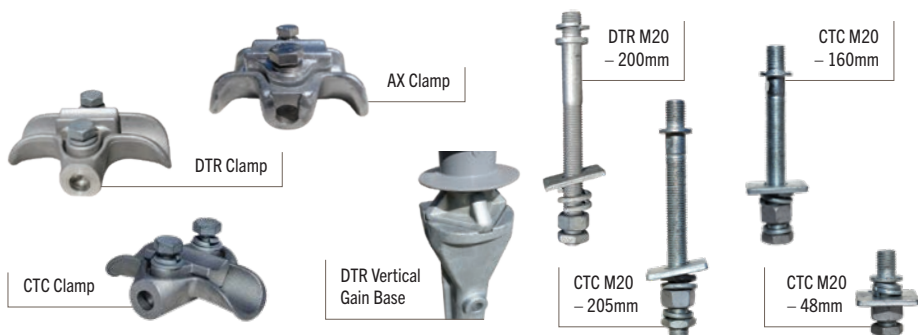


46kV Polymer Line Post Insulators – Tie Top & Clamp Top								
Brand: DTR Origin: Korea Colour: Grey Unit: Each								
Part Number	Description	Creepage	kN	Clamp	Stud	Weight	Box/Pallet	Drawing
Tie Top								
553980	46kV Vertical	1195mm	12.5	Separate	Separate	6.5kg	1/60	LPFN-46SK-M20
553999	46kV Vertical (HP)	1703mm	12.5	Separate	Separate	6.5kg	1/60	LPFN-46SK-HP-M20
Clamp Top								
554006	46kV Vertical	1195mm	12.5	Separate	Separate	7.0kg	1/60	LPV-46SK-M20
554014	46kV Vertical (HP)	1703mm	12.5	Separate	Separate	7.0kg	1/60	LPV-46SK-HP-M20
554022	46kV Vertical Special	1195mm	12.5	Included	Separate	7.0kg	1/60	LPSC-46SK-M20
554030	46kV Vertical Special (HP)	1703mm	12.5	Included	Separate	7.5kg	1/60	LPSC-46SK-HP-M20



69kV Polymer Line Post Insulators – Tie Top & Clamp Top								
Brand: DTR Origin: Korea Colour: Grey Unit: Each								
Part Number	Description	Creepage	kN	Clamp	Stud	Weight	Box/Pallet	Drawing
Tie Top								
553166	69kV Vertical	1387mm	11.0	Separate	Separate	7.0kg	1/60	DTR-LPFN-69SK-NZI
554049	69kV Vertical (HP)	2330mm	12.5	Separate	Separate	7.5kg	1/60	LPFN-69SK-HP-M20
Clamp Top								
553212	69kV Vertical	1387mm	11.0	Separate	Separate	8.0kg	1/60	DTR-LPV69SK-NZI
554057	69kV Vertical (HP)	2330mm	12.5	Separate	Separate	8.0kg	1/60	LPV-69SK-HP-1-M20
554065	69kV Vertical Special	1387mm	12.5	Included	Separate	8.0kg	1/60	LPSC-69SK-M20
554073	69kV Vertical Special (HP)	2330mm	12.5	Included	Separate	8.5kg	1/60	LPSC-69SK-HP-M20

DTR 46-69kV Polymer Line Post Insulators



4.2

Clamp, Stud and Base Options for 46- 69kV Polymer Line Post Insulators – Tie Top & Clamp Top

Clamp Options for DTR 46-69kV Line Post Insulators (Sold Separately)

Construction: Aluminium | Unit: Each

Part Number	Description	Brand	Origin	Conductor Range	Length	Width	Weight	Box Qty	Drawing
553727	DTR 13-27mm Trunnion Clamp	DTR	Korea	13-27mm	135mm	98mm	650g	6	DTR-ATC-106
461792	AX 10-38mm Trunnion Clamp	AX	NZ	10-38mm	127mm	98mm	450g	12	D330-0501
527777	CTC 10-38mm Trunnion Clamp	CTC	China	14-29mm	125mm	98mm	450g	12	CTC-TC-100

Stud Options for DTR 46-69kV Line Post Insulators (Sold Separately)

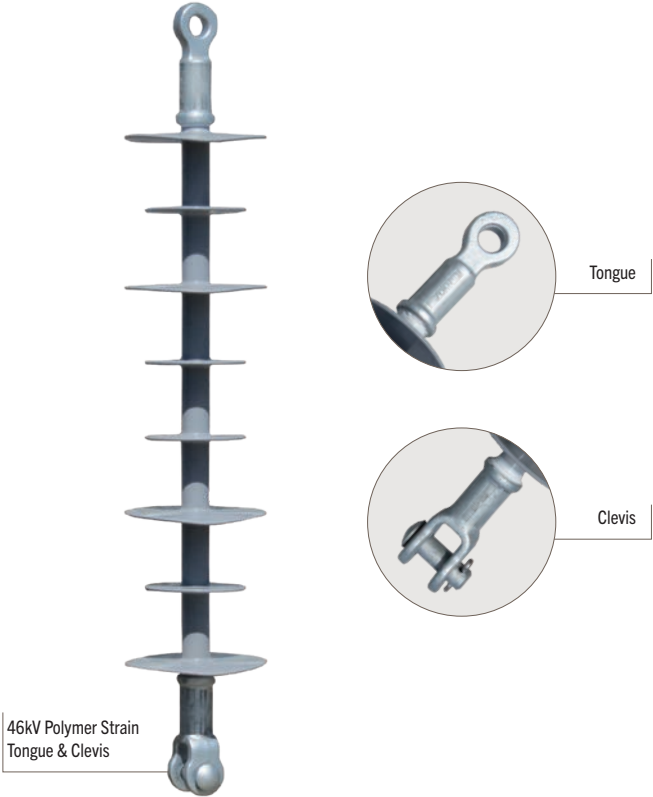
Unit: Each

Part Number	Description	Brand	Origin	Length	Diameter	Weight	Box/Pallet	Drawing
553662	DTR 48mm Line Post Stud	DTR	Korea	48mm	M20	300g	96	STD48M20
553581	DTR 160mm Line Post Stud	DTR	Korea	160mm	M20	700g	72	STD160M20
553697	DTR 200mm Line Post Stud	DTR	Korea	200mm	M20	850g	48	STD200M20
556270	CTC 48mm Line Post Stud	CTC	China	48mm	M20	450g	96	CTC48M20
556084	CTC 160mm Line Post Stud	CTC	China	160mm	M20	670g	72	CTC160M20
556106	CTC 205mm Line Post Stud	CTC	China	205mm	M20	750g	48	CTC200M20

Gain Base for DTR 46-69kV Line Post Insulators (Sold Separately)

Brand: DTR | Origin: Korea | Unit: Each

Part Number	Description	Length	Weight	Box/Pallet	Drawing
553174	Vertical Gain Base	300mm	4.5kg	6/60	DTR-GBV



46-69kV Polymer Strain Insulators (IEC 61109)										
Brand: DTR Origin: Korea Colour: Grey Unit: Each										
Part Number	Description	Rated kN	End Fittings	Creepage	Sheds	Length	Weight	Box/Pallet	Drawing	
46kV										
553603	46kV Polymer Strain	46kV	70	Tongue & Clevis	1070mm	8	644mm	1.8kg	8/224	ISC9-1070-CAB
69kV										
553700	69kV Polymer Strain	69kV	70	Tongue & Clevis	2205mm	13	864mm	2.9kg	1/144	ISD7-2205-BAB
553379	69kV L011745	69kV	120	Ball & Socket	2070mm	19	800mm	4.4kg	1/144	SCGL019-A6800
553395	69kV L011746Y	69kV	120	Y Clevis & Eye	2070mm	19	821mm	4.9kg	1/144	SCGL019-A2800
553387	69kV L011746	69kV	120	Ball & Socket	2449mm	17	859mm	5.4kg	1/144	SCVL017-A6800
553409	69kV L066096	69kV	160	Eye & Eye	1658mm	15	855mm	4.6kg	1/144	SEHL015-B1100

4.2



115kV Polymeric Suspension Insulators for Transmission									
Brand: DTR Origin: Korea Colour: Grey									
Part Number	Description	Rated	Creepage	kN	Length	Sheds	Reference	Weight	Drawing
115kV Suspension Strains									
553417	Ball & Socket	115kV	3754mm	120	1232mm	35	L011760	7.1kg	SCGL035-A6801
553425	Y Clevis	115kV	3754mm	120	1253mm	35	L011760Y	7.6kg	SCGL035-A2801
553433	Ball & Socket	115kV	3893mm	120	1214mm	27	L011761	8.8kg	SCGL027-A6801
553441	Ball & Socket	115kV	3754mm	210	1241mm	35	L011770	8.0kg	SFGL035-B6801
553468	Y Clevis	115kV	3754mm	210	1262mm	35	L011770Y	8.5kg	SFVL035-B2801
553476	Ball & Socket	115kV	3893mm	210	1226mm	27	L011771	9.0kg	SFVL027-B6801



230-500kV Polymeric Suspension Insulators for Transmission									
Brand: DTR Origin: Korea Colour: Grey									
Part Number	Description	Rated	Creepage	kN	Length	Sheds	Reference	Weight	Drawing
230kV Suspension Strains									
553484	Ball & Socket	230kV	7121mm	120	2096mm	67	L011762	11.9kg	SCGL067-A6811
553492	Ball & Socket	230kV	7606mm	120	2137mm	53	L011763	13.0kg	SCVL053-A6811
553506	Ball & Socket	230kV	7121mm	210	2105mm	67	L011772	12.4kg	SFGL067-B6811
553514	Ball & Socket	230kV	7607mm	210	2149mm	53	L011773	14.5kg	SCGL053-B6811
500kV Suspension Strains									
553522	Ball & Socket	500kV	12804mm	120	3554mm	121	L011764	18.5kg	SCGL121-A6813
553530	Ball & Socket	500kV	13301mm	120	3557mm	93	L011765	21.7kg	SCVL093-A6813
553549	Ball & Socket	500kV	12804mm	210	3563mm	121	L011774	19.5kg	SFGL121-B6813
553557	Ball & Socket	500kV	13301mm	210	3569mm	93	L011775	22.7kg	SFVL093-B6813

5.0

11-220kV Standoff & Station Post Insulators



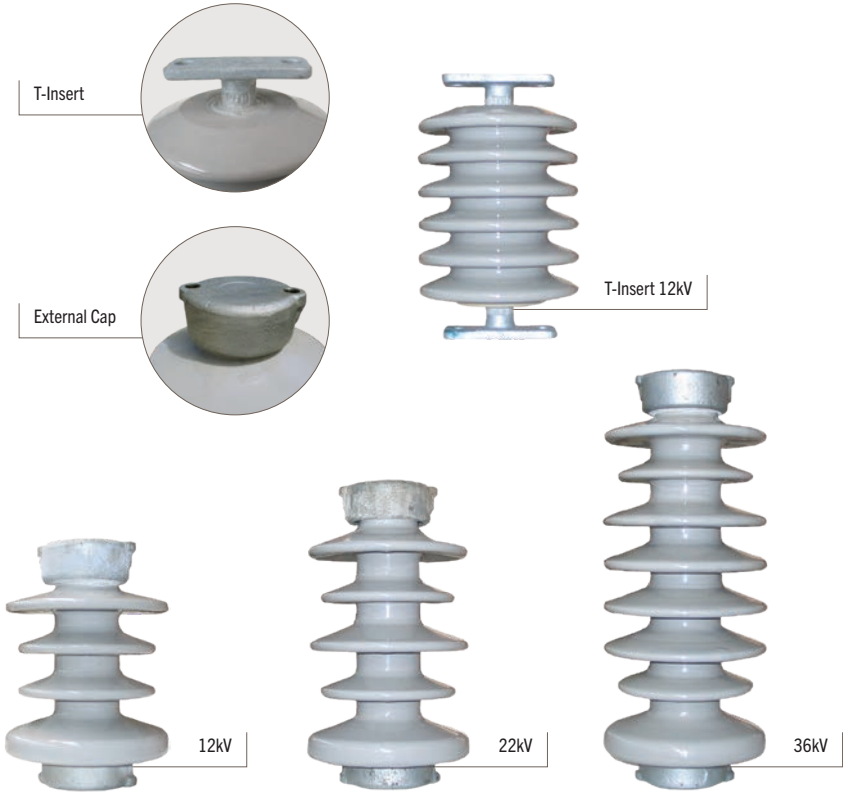


NZI	5.1
DTR	5.2
CTC	5.3



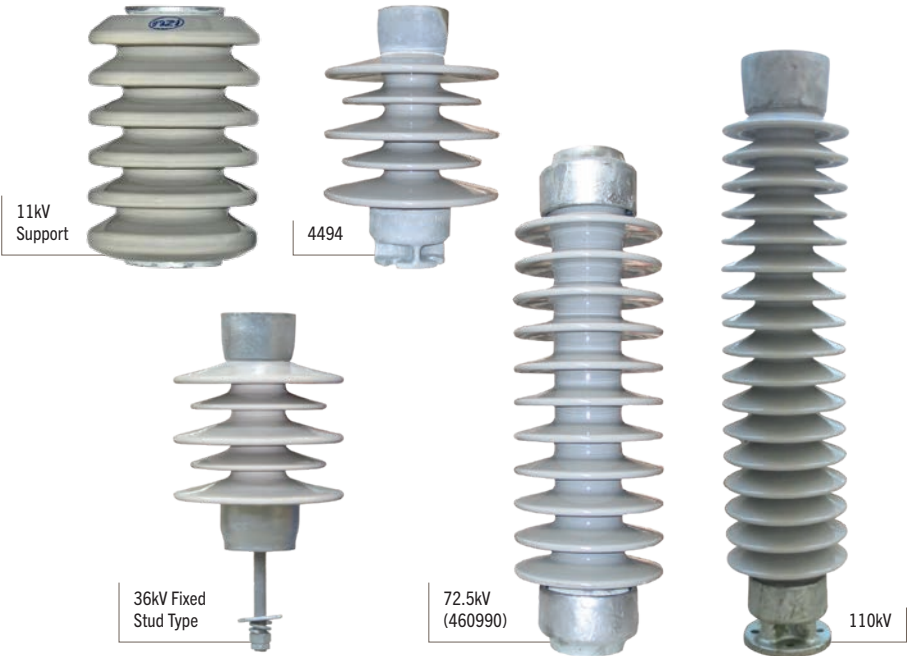
NZI 12-36kV Porcelain Standoff Insulators

5.1



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





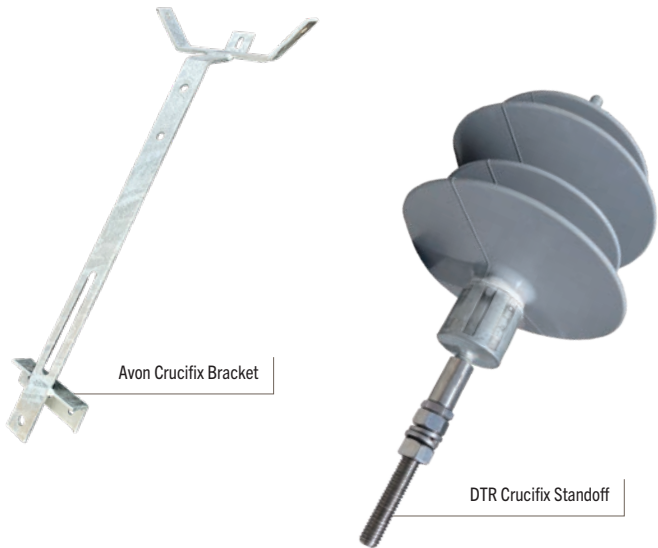
11-110kV Porcelain Station Post Insulators								
Brand: NZI Origin: NZ Construction: 1 Piece Glaze: Grey								
Part Number	Description	Creepage	Length	kN	Caps	Weight	Box/Pallet	Drawing
586609	11kV Support Insulator (M12 Insert)	305mm	157mm	5		2.5kg	6/120	D525-0505
460001	36kV 4494 Station Post	860mm	381mm	12	76PCD	20kg	1/32	D687-0547
460028	36kV 4494 Inverted Station Post	860mm	381mm	12	76PCD	20kg	1/32	D687-0593
462489	36kV Station Post	950mm	475mm	5	76PCD	16kg	1/40	D687-0531
465550	36kV Station Post (Fixed Stud Type)	860mm	530mm	12	76PCD	16.5kg	1/20	D688-0502
113514	44kV 4497 HD Station Post	813mm	381mm	11	76PCD	16kg	1/27	D400-0502
460990	72.5kV Station Post	1600mm	762mm	8	76PCD	39kg	1/20	D687-0588
460737	72.5kV Station Post (Pedestal Mount)	1880mm	770mm	7	127PCD	40kg	1/20	D687-0590
460168	110kV Station Post (Pedestal Mount)	2780mm	1104mm	4.5	127PCD	50kg	1/20	D687-0570



7.5-220kV Polymer Station Post Insulators

Brand: DTR | Origin: Korea | Glaze: Grey

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



5.2

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

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

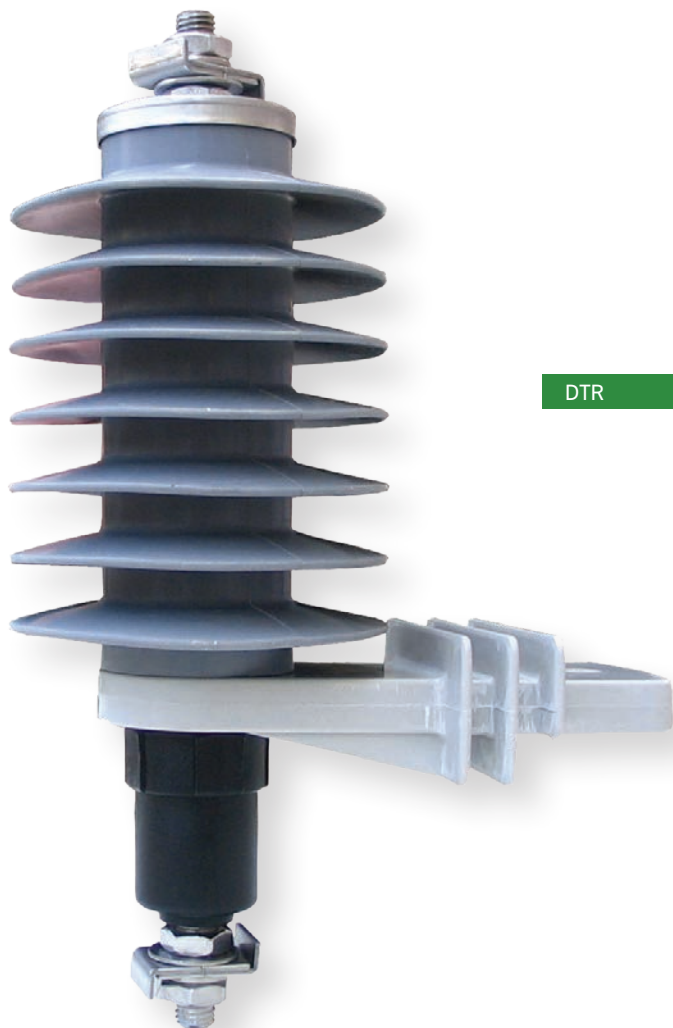


11-33kV Polymer T-Insert Insulators								
Brand: CTC Origin: China Colour: Grey Unit: Each								
Part Number	Description	Rated	Creepage	Wet Flashover	Length	kN	Box Qty	Drawing
556173	11kV T-Insert	12kV	490mm	50kV	235mm	3.5	10	DZ-231101-1
556238	22kV T-Insert	22kV	670mm	75kV	300mm	3	10	DZ-231103-1
556181	33kV T-Insert	33kV	1060mm	100kV	410mm	2	10	DZ-231102-1

6.0

12-33kV Surge Arrestors



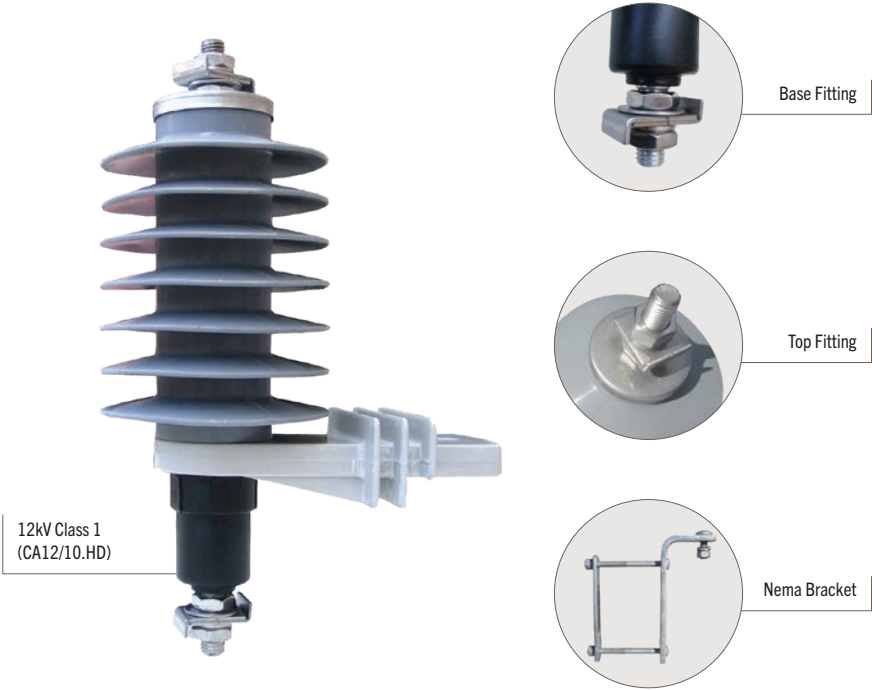


DTR

6.1

DTR 12-33kV Polymer Surge Arresters – Class 1

6.1



12-33kV Polymer Surge Arresters – Class 1 (IEC 60099-4)

Brand: DTR | Origin: Korea | Bracket: Nema | Colour: Grey

Part Number	Description	Rated	Current	MCOV	Top Fitting	Box/Pallet	Drawing
553042	12kV 10kA Class 1	12kV	10kA	10.2kV	32mm	3/168	CA12/10.HD
553077	12kV 10kA Class 1	12kV	10kA	10.2kV	100mm	3/168	CA12/10.HD100
553050	18kV 10kA Class 1 (Alt Sheds)	18kV	10kA	15.3kV	32mm	3/168	CA18/10.1D (Rev A)
554227	33kV 10kA Class 1	33kV	10kA	28.05kV	32mm	1/60	CA33/10.1D



12kV Class 1
(CA12/10.HD)



Base Fitting



Top Fitting



Nema Bracket

6.1

12-33kV Polymer Surge Arresters – Class 2 (IEC 60099-4)

Brand: DTR | Origin: Korea | Bracket: Nema | Colour: Grey

Part Number	Description	Rated	Current	MCOV	Top Fitting	Box/Pallet	Drawing
553204	12kV 10kA Class 2	12kV	10kA	9.6kV	32mm	3/168	CA12/10.2D
553646	15kV 10kA Class 2	15kV	10kA	12.0kV	32mm	3/168	CA15/10.2D
553565	18kV 10kA Class 2	18kV	10kA	15.3kV	32mm	3/168	CA18/10.2D
554235	33kV 10kA Class 2	33kV	10kA	26.4kV	32mm	1/60	CA33/10.2D

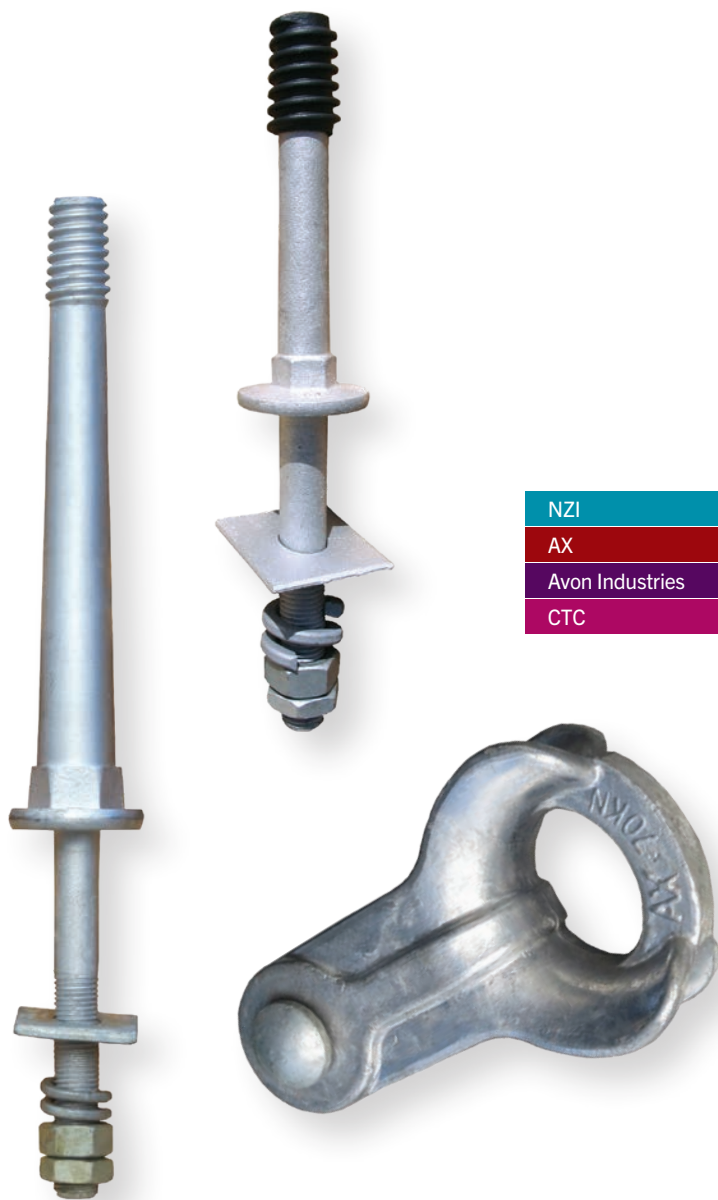
7.0

Overhead Line Hardware & Low Voltage Insulators

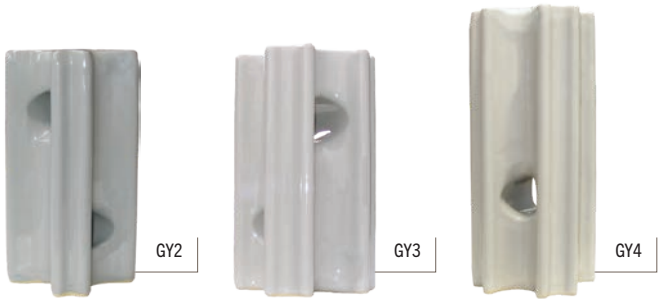


AX

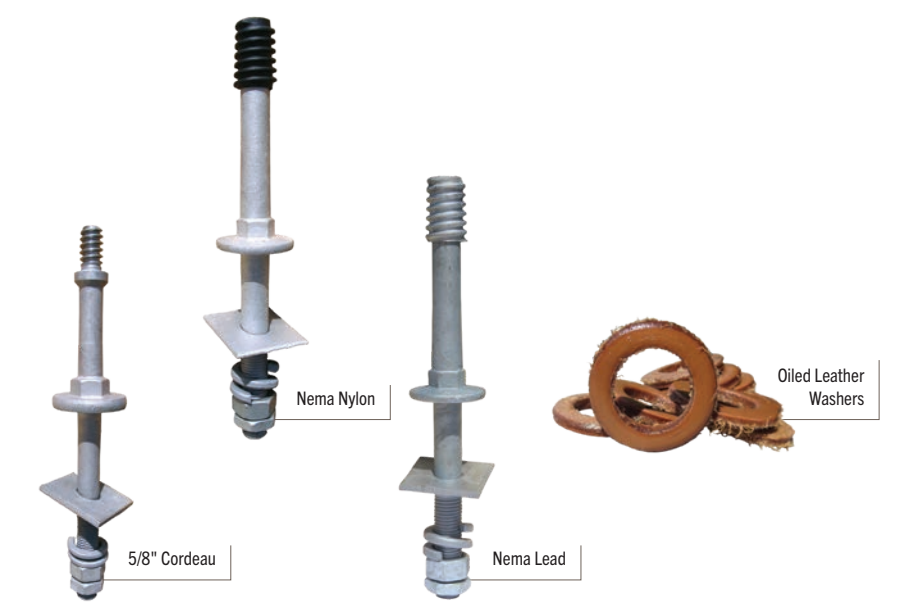




NZI	7.1
AX	7.2
Avon Industries	7.3
CTC	7.4



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



Galvanised Steel Spindles & Washer for Pin-Type Insulators

Brand: AX | Unit: Each

Part Number	Description	Origin	Length (mm)	Diameter	kN	Head	Thread	Weight	Box/Pallet	Drawing
-------------	-------------	--------	-------------	----------	----	------	--------	--------	------------	---------

Spindle for 510 & 511

540358	5/8" Cordeau Steel Head	China	118/147	M16	3.3	Steel	5/8" Cordeau	670g	30/1200	D374-2009
--------	-------------------------	-------	---------	-----	-----	-------	--------------	------	---------	-----------

Spindles for 1130W

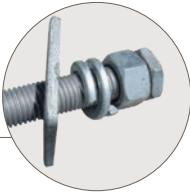
536164	Nema 1" Nylon Head	China	152/146	M20	6	Nylon	1 Inch SLHT	1.0kg	12/480	D374-2134
536326	Nema 1" Lead Head	China	152/146	M20	6	Lead	1 Inch SLHT	1.1kg	12/480	D374-2118
541532	Extended Lead Head	China	185/135	M20	6	Lead	1 Inch SLHT	1.3kg	12/480	D374-2120

Washer for 510 & 511

Part Number	Description	Origin	Detail	OD	Internal Diameter	Weight	Pack Qty
540234	Leather Washer	NZ	Oiled Leather	23mm	5/8" (15.9mm)	1.2g	90

AX Galvanised Steel Spindles

Stud Fittings:
Flat Washer + Helical Spring
Washer + Full Nut + Half Nut



Lead Head



M20 Patt C



M24 Patt C



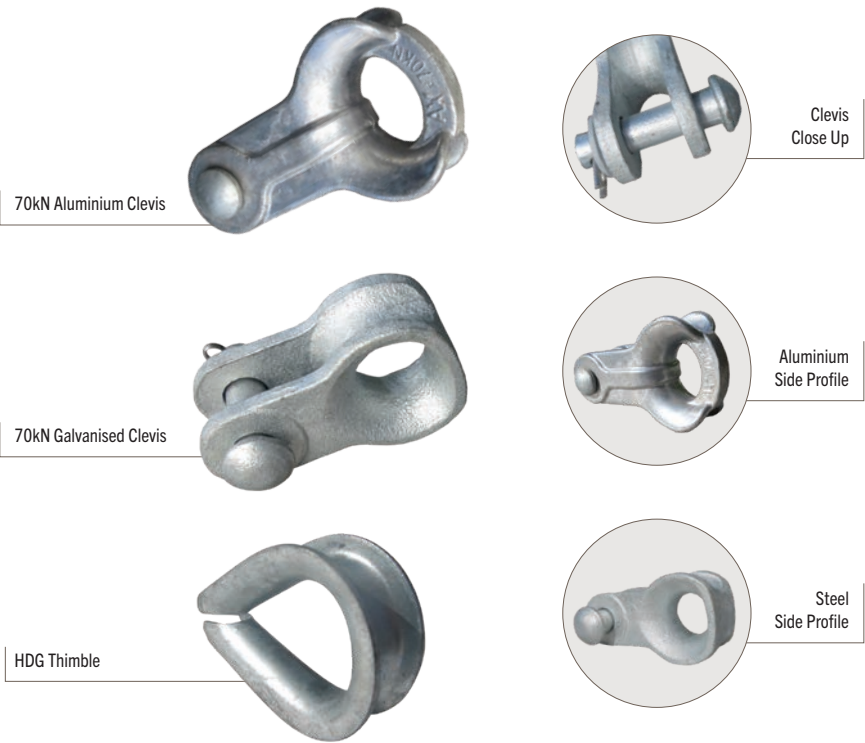
R31

7.2

Galvanised Steel Spindles for Pin-Type Insulators

Brand: AX | Unit: Each

Part Number	Description	Origin	Length (mm)	Diameter	kN	Head	Thread	Weight	Box/Pallet	Drawing
Spindles for ALP22/450										
538213	M20 Pattern C Lead Head	China	200/185	M20	10	Lead	Pattern C	2.2kg	6/240	D374-2084
538205	M24 Pattern C Lead Head	China	200/185	M24	11	Lead	Pattern C	2.4kg	6/240	D374-2085
Spindle for 1540W, 3370, 33/920, 4490, 3372 & 4492										
540463	R31 Steel Head	China	305/178	M22	10	Steel	BS Large Steel Head	2.9kg	6/288	D374-2023



7.2

Clevis Thimbles									
Brand: AX Unit: Each									
Part Number	Description	Origin	kN	Length	Int Width	Loop	Weight	Box Qty	Drawing
Clevis Thimbles									
536342	Aluminium Clevis Thimble	China	70	132mm	30mm	57mm	470g	30	D374-2140
536393	Galv Steel Clevis Thimble	China	70	146mm	25mm	57mm	650g	30	D374-2142
HDG Thimbles									
536407	16mm Galv Thimble	NZ		90mm	16mm	60mm	145g	10	D374-2150/A
536601	19mm Galv Thimble	NZ		105mm	16mm	70mm	145g	10	D374-2149/A

AX Shackle Straps & U Shackles

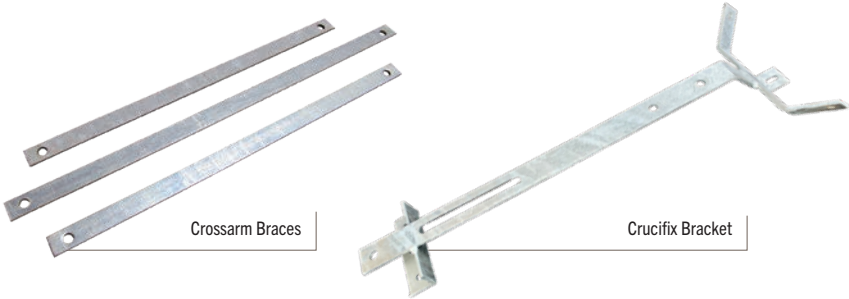


7.2

Shackle Straps & U Shackles									
Brand: AX Origin: China Unit: Each									
Part Number	Description	Length (mm)	Width (mm)	Thick (mm)	Holes (mm)	HDG	Weight	Box Qty	Drawing
Shackle Straps									
556114	Shackle Strap 7"	180	32	3	14	To 4680:2006	140g	100	AA20001
556122	Shackle Strap #11	170	30	2	14	To 4680:2006	85g	200	AA20009
556130	Shackle Strap #8 Offset	180	32	3	18	To 4680:2006	130g	100	AA20011
U Shackles									
556149	210 U Shackle Small	85	32	3	14	To 4680:2006	160g	100	AA23001
556165	320 U Shackle Extra Large	132	40	5	14	To 4680:2006	500g	30	AA23003



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



7.3

Galvanised Steel Crucifix Bracket & Crossarm Braces

Brand: Avon | Origin: NZ | Unit: Each

Crucifix Bracket (HDG to 4680:2006)

Part Number	Description	Length	Width	Thick	Holes	Weight	Pack Qty	Drawing
537055	Avon Crucifix Bracket	920mm	340mm	6mm	14mm	4.8kg	5	AA18206

5mm Crossarm Braces

Part Number	Description	Length	Width	Thick	Holes	Weight	Bag Qty	Drawing
536555	610x30mm Crossarm Brace	610mm	30mm	5mm	14mm	720g	20	AA13009
537179	660x30mm Crossarm Brace	660mm	30mm	5mm	14mm	780g	20	AA13010
536563	700x30mm Crossarm Brace	700mm	30mm	5mm	14mm	830g	20	AA13011
537187	763x30mm Crossarm Brace	763mm	30mm	5mm	14mm	900g	20	AA13013
536571	800x30mm Crossarm Brace	800mm	30mm	5mm	14mm	940g	20	AA13015
536598	900x30mm Crossarm Brace	900mm	30mm	5mm	14mm	1.1kg	20	AA13017



7.3

Galvanised Steel Eye Bolts & Screw Anchors

Brand: Avon | Origin: NZ | Unit: Each

M16 Eye Bolts

Part Number	Description	Length	Width	Eye ID	Weight	Bag Qty	Drawing
537144	2200mm Eye Bolt + M16 Nut	200mm	50mm	20mm	490g	10	AA02002
537152	200mm Eye Bolt + M16 Nut	200mm	62mm	32mm	500g	10	AA02011
537160	250mm Eye Bolt + M16 Nut	250mm	50mm	20mm	620g	10	AA02004

1.8mm Screw Anchors

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

CTC Low Voltage Porcelain Reels



210



220



205



103 Spike

7.4

Low Voltage Porcelain Reels & Spike

Brand: CTC | Origin: China | Glaze: Grey | Unit: Each

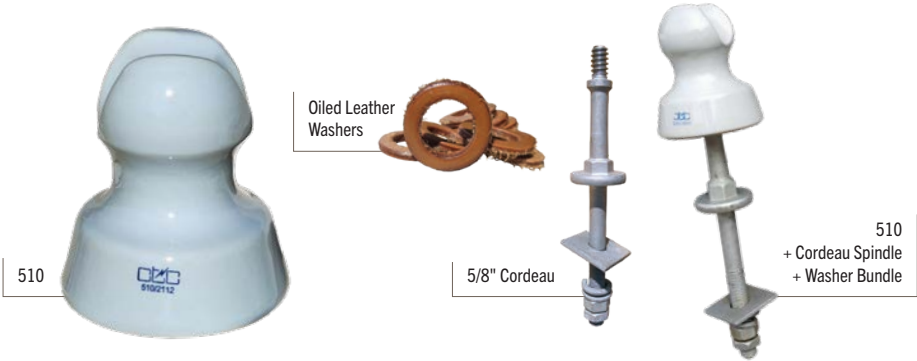
Part Number	Description	Rated	Groove	kN	Fixing	Weight	Box Qty	Drawing
Reels								
101222	210 Reel	650V	10mm	6	17.5mm Diameter	210g	80	S1331
101575	220 Reel	650V	19mm	5.5	17mm Diameter	290g	100	S1332
101249	205 Reel	3.3kV	18mm	10	17.5mm Diameter	550g	40	S1330
556289	103 Spike	650V	16mm Hole	4	Coach Screw	325g	42	D267-0502





Low Voltage Porcelain Reels – Pre-Assembled Bundles				
Brand: CTC/AX Origin: China Unit: Bundle				
Part Number	Description	Status	Weight	Box Qty
Reel & Shackle Strap Bundles				
101494	210 Reel + AX 7" Shackle Strap + 2 x AX M12 110 Bolt	Assembled	750g	20
101443	205 Reel + AX 7" Shackle Strap + 2 x AX M12 110 Bolt	Assembled	1.1kg	20
101516	205 Reel + AX 8" Offset Shackle Strap + 2 x AX M12 110 Bolt	Assembled	1.0kg	20
Reel & U Shackle Bundles				
101518	210 Reel + AX Small U Shackle + AX M12 110 Bolt	Assembled	550g	20
101451	205 Reel + AX E/Large U Shackle + AX M12 110 Bolt	Assembled	1.2kg	10

CTC Low Voltage Porcelain Pin-Type Insulator – Tie Top



Low Voltage Porcelain Pin-Type Insulator – Tie Top								
Brand: CTC Origin: China Colour: Grey Unit: Each								
Part Number	Description	Groove	Top	Line Voltage	Thread	Weight	Box/Pallet	Drawing
510 (Round Top)								
101265	510	26mm	Tie Top	0.4kV-3kV	5/8" Cordeau	605g	30/1200	S1003

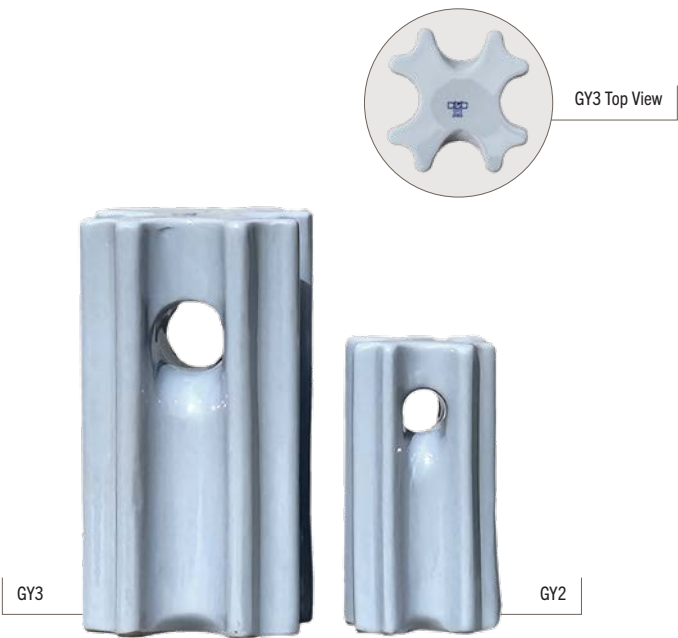
7.4

Spindle for 510 (Sold Separately)									
Brand: AX Origin: China Unit: Each									
Part Number	Description	Length	kN	Diameter	Head	Thread	Weight	Box/Pallet	Drawing
540358	AX 5/8" Cordeau Spindle	118/145mm	3.3	M16	Steel	5/8" Cordeau	670g	30/1200	D374-2009

Washer for 510 (Sold Separately)						
Brand: AX Origin: NZ Unit: Each						
Part Number	Description	Detail	OD	Internal Diameter	Weight	Pack Qty
540234	AX Leather Washer	Oiled Leather	23mm	5/8" (15.9mm)	1.2g	90

Preassembled 510 Bundle				
Brand: CTC/AX Origin: China Unit: Bundle				
Part Number	Description	Status	Weight	Box Qty
101486	CTC 510 Insulator + AX 5/8" Cordeau Spindle + AX Oiled Leather Washer	Assembled	1.1kg	16





7.4

Porcelain Guy Strains						
Brand: CTC Origin: China Colour: Grey Unit: Each						
Part Number	Description	Weight	Wet Flashover	Length	kN	Box Qty
101281	GY2 15kV Guy Strain	1.2kg	15kV	146mm	71	18
101303	GY3 20kV Guy Strain	3.8kg	30kV	216mm	222	4

8.0

Earth Rods, Earthing Hardware & Accessories





Fulton Industries	8.1
Avon Industries	8.2



13mm 1800mm 250 micron Copper Plated Earth Rods to AS 1154-1:2009



13mm Earth Rods & Accessories

Brand: Fulton | Origin: Australia | Unit: Each

8.1

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



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

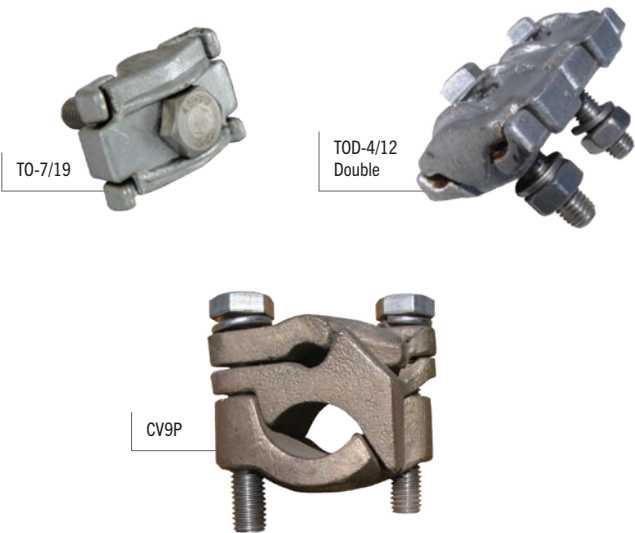


8.1

Earthing Accessories							
Brand: Fulton Origin: Australia Unit: Each							
Part Number	Description	Footprint	Depth	Detail	Weight	Pack Qty	Drawing
Earth Rod Inspection Pit							
523763	PT205 Pit + Lid	256x256	212mm	Black Poly + Grey HD Lid	1.8kg	1	927-A4
Earthing Compound							
523704	15kg Good Earth	Covers 0.03m³	—	Bentonite/Gypsum mix	15kg	1	
Cable Oxide Removal Brushes for Cleaning Conductors Prior to Crimping							
Part Number	Description	Colour	Length	Diameter	Weight	Box Qty	
523054	ORB-1 Oxide Film Removal Brush for Copper Conductors	Black	130mm	50mm	140g	15	
523062	ORB-2 Oxide Film Removal Brush for Aluminium Conductors	White	130mm	50mm	140g	15	



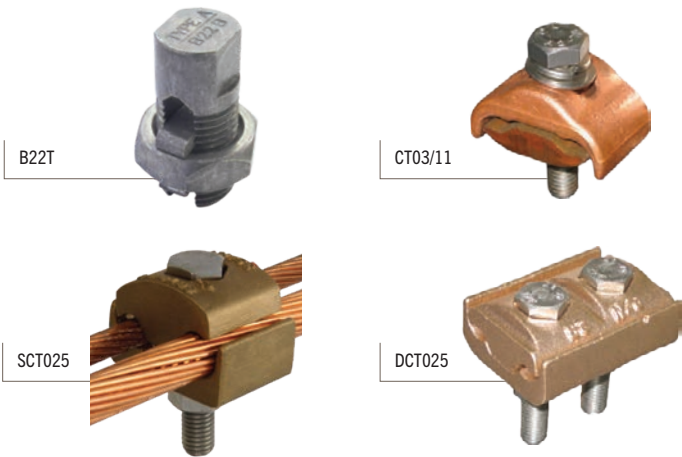
Taps, Lugs, Service & CTC Bolted Connectors						
Brand: Fulton Origin: Australia Unit: Each						
Part Number	Description	Construction	Conductor	Conductor	Weight	Box Qty
Aluminium Service Taps						
524344	SL-4/12 Service Tap	Aluminium	7/3.00-7/4.75	9.0-14.3mm	100g	10
524166	SL-7/19 Service Tap	Aluminium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



Tee-off & Rising Main Connectors

Brand: Fulton | Origin: Australia | Unit: Each

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



Split Bolt Connectors & Parallel Groove Clamps

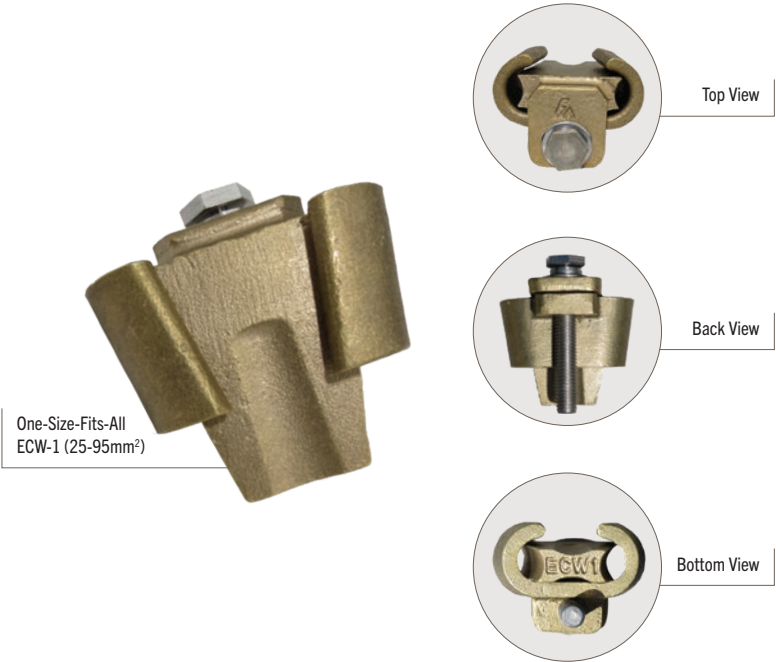
Brand: Fulton | Origin: Australia | Unit: Each

Split Bolt Connectors

Part Number	Description	Construction	Conductor	Conductor	Conductor	Box Qty
524239	B22T Split Bolt Clamp	ETP Brass	16mm ²	5.1mm	7/.064	50
524247	B24T Split Bolt Clamp	ETP Brass	35mm ²	8.3mm	7/.104	25
524255	B25T Split Bolt Clamp	ETP Brass	70mm ²	10.7mm	19/.083	25
524263	B26T Split Bolt Clamp	ETP Brass	95mm ²	12.6mm	19/.101	10
524271	B28T Split Bolt Clamp	ETP Brass	185mm ²	17.64mm	37/.130	4

Parallel Groove Clamps

Part Number	Description	Joining	Length	Construction	Weight	Box Qty
524298	CT03/11 M8 Single Bolt PG Clamp	10-70mm ²	25mm	CU + 304 Fixings	120g	10
524301	DCT03/11 M8 Double Bolt PG Clamp	10-70mm ²	51mm	CU + 304 Fixings	240g	10
524328	SCT025 M12 Single Bolt PG Clamp	35-150mm ²	34mm	CU + 304 Fixings	400g	5
524336	DCT025 M12 Double Bolt PG Clamp	35-150mm ²	71mm	CU + 304 Fixings	790g	5



8.1

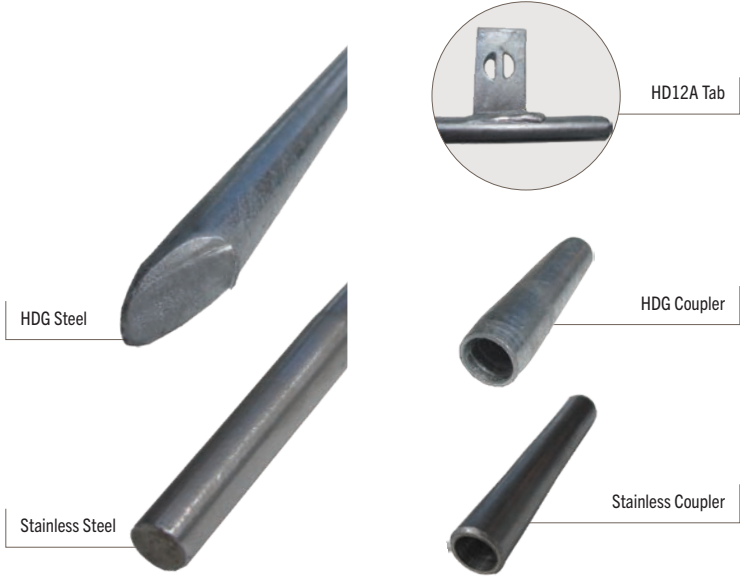
Cable Size	Rod Diameter (mm)		Cable Size (mm ²)					
	Ø12-13	Ø14-16	25	35	50	70	95	120
25mm ²	•	•				•	•	•
35mm ²	•	•		•	•	•	•	•
50mm ²	•	•		•	•	•	•	•
70mm ²	•	•	•	•	•	•	•	•
95mm ²	•		•	•	•	•	•	•
120mm ²			•	•	•	•	•	

One-Size-Fits-All Wedge Clamp

Brand: Fulton | Origin: Australia | Unit: Each

Part Number	Description	Conductor Range	Length	Construction	Bolts	Weight	Pack Qty	Drawing
524107	ECW-1	25-95mm ² *	56mm	Gunmetal	304 Stainless	450g	25	8-S0182

* 25-95mm² cable to 13mm Ø earth rod ONLY as per above table.



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

9.0

Fuses & Holders — Low & High Voltage



Bussmann
by **EATON**



NGK STANGER





NZI	9.1
Bussmann By Eaton	9.2
NGK Stanger	9.3
SYS Economy	9.4
HRC Fuse Compatibility Chart	
Fusible Solutions Chart	



9.1

Lineguard Disconnect							
Brand: NZI Origin: NZ Unit: Each							
Part Number	Description	Amps	Colour	Detail	Complies With	Weight	Box Qty
468436	160A Single Phase NH00 Disconnect	160A	Black	Polyamide & Nickel-Plated NFM	IEC 60947	505g	15



9.1

63A K07 HG Phenolic Fuseholders for Offset Tag Fuselinks – AS/NZS 60269							
Brand: NZI Origin: NZ Unit: Each							
Part Number	Description	Amps	Rating	Configuration	Colour	Weight	Box Qty
676004	K07 63A EE/EE Fuseholder	63A	500V	End Entry End Entry	Black	260g	6
676012	K07 63A BE/BE Fuseholder	63A	500V	Back Entry Back Entry	Black	270g	6

NZI Low Voltage Panels



Low Voltage Panels

Brand: NZI | Origin: NZ | Unit: Each

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

Limited stock available.





32A Fuseholders for Staggered Tag Fuselinks								
Brand: Bussmann Unit: Each								
Part Number	Description	Origin	Rating	Voltage	Configuration	Colour	Weight	Box Qty
Safeclick NSD Fuseholder – IEC 60269								
545031	GE SC32H-D Front Wired	UK	32A	550V	Front Wired Front Wired	Black	95g	10
Safeloc NSD Fuseholders – IEC 60269								
545007	32NNSF Front Wired	India	32A	550V	Front Wired Front Wired	Black	85g	10
545015	32NNSR Back Wired	India	32A	550V	Back Wired Back Wired	Black	85g	10
540803	32NNSBS Back Stud	India	32A	550V	Back Stud Back Stud	Black	115g	10
545023	32NNSFBS Front Wired Back Stud	India	32A	550V	Front Wired Back Stud	Black	100g	10

BUSSMANN 63A Fuseholders



63A Fuseholders for Offset Tag Fuselinks

Brand: Bussmann | Unit: Each

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



Camaster 100A



Red Spot RS100H



Red Spot RS200H



Red Spot RS100H
Opened Out

100+A Fuseholders for Offset & Central Tag Fuselinks

Brand: Bussmann | Unit: Each

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

9.2

BUSSMANN House Service Fuseholders



9.2

HSB22 House Service Fuseholders						
Brand: Bussmann Origin: China Unit: Each						
Part Number	Description	Amps	Volts	Material	Weight	Box Qty
693251	HSB22BW Back Entry House Service Fuseholder	100A	500V	Thermoplastic/Polyamide	300g	10
693243	HSB22FW End Entry House Service Fuseholder	100A	500V	Thermoplastic/Polyamide	300g	10





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

BUSSMANN 12kV Oil Fuses



MV 12kV HRC Fuselinks for use in Oil Switchgear

Brand: Bussmann | Origin: India | Unit: Each

Part Number	Description	Amps	Volts	Break Capacity	Dimensions	Configuration	Box Qty
670251	6.3A Oil (12OEFMA6.3)	6.3A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670243	10A Oil (12OEFMA10)	10A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670278	16A Oil (12OEFMA16)	16A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670286	20A Oil (12OEFMA20)	20A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670065	25A Oil (12OEFMA25)	25A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670073	31.5A Oil (12OEFMA31.5)	31.5A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670081	40A Oil (12OEFMA40)	40A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670006	50A Oil (12OEFMA50)	50A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670014	63A Oil (12OEFMA63)	63A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670111	71A Oil (12OHFMA71)	71A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670138	80A Oil (12OHFMA80)	80A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
671118	90A Oil (12OHFMA90)	90A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
670537	100A Oil (12OHFMA100)	100A	12kV	40kA	254Lx63.5Dmm	Ferrule	3
671126	125A Oil (120LGMA125)	125A	12kV	40kA	359Lx63.5Dmm	Ferrule	3
671134	160A Oil (120LGMA160)	160A	12kV	40kA	359Lx63.5Dmm	Ferrule	3

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

9.2





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

Fuses on this page comply to BS 2692-1 Standard

BUSSMANN 12kV Back Up Fuses



Weather-Sealed MV 12kV HRC Back Up Fuselinks

Brand: Bussmann | Origin: India | Unit: Each

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

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





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

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



Type T Expulsion Fuses

Brand: Bussmann/NZI | Unit: Each

Part Number	Description	Amps	Volts	Bag Qty
673358	Universal/Interchangeable, Removeable Button Head 15TBR1 (Brown)	1A	15kV	1
673366	Universal/Interchangeable, Removeable Button Head 15TBR2 (Red)	2A	15kV	1
673374	Universal/Interchangeable, Removeable Button Head 15TBR3 (Orange)	3A	15kV	1
673382	Universal/Interchangeable, Removeable Button Head 15TBR5 (Yellow)	5A	15kV	1
673390	Universal/Interchangeable, Removeable Button Head 15TBR6	6A	15kV	1
673498	Universal/Interchangeable, Removeable Button Head 15TBR8 (Green)	8A	15kV	1
673501	Universal/Interchangeable, Removeable Button Head 15TBR10 (Blue)	10A	15kV	1
673528	Universal/Interchangeable, Removeable Button Head 15TBR12	12A	15kV	1
673536	Universal/Interchangeable, Removeable Button Head 15TBR15 (Purple)	15A	15kV	1
673544	Universal/Interchangeable, Removeable Button Head 15TBR20 (Dark Grey)	20A	15kV	1
673552	Universal/Interchangeable, Removeable Button Head 15TBR25	25A	15kV	1
673560	Universal/Interchangeable, Removeable Button Head 15TBR30 (White)	30A	15kV	1
673579	Universal/Interchangeable, Removeable Button Head 15TBR40 (Black)	40A	15kV	1
673587	Universal/Interchangeable, Removeable Button Head 15TBR50 (Light Grey)	50A	15kV	1
673595	Universal/Interchangeable, Removeable Button Head 15TBR60 (Silver)	60A	15kV	1
673609	Universal/Interchangeable, Removeable Button Head 15TBR65 (Gold)	65A	15kV	1
673617	Universal/Interchangeable, Removeable Button Head 15TBR75	75A	15kV	1
673625	Universal/Interchangeable, Removeable Button Head 15TBR80	80A	15kV	1
673633	Universal/Interchangeable, Removeable Button Head 15TBR100 (Lime)	100A	15kV	1

9.2





Type K Expulsion Fuses				
Brand: Bussmann/NZI Unit: Each				
Part Number	Description	Amps	Volts	Bag Qty
674036	Universal/Interchangeable, Removeable Button Head 15KBR1 (Brown)	1 A	15kV	1
674044	Universal/Interchangeable, Removeable Button Head 15KBR2 (Red)	2 A	15kV	1
674052	Universal/Interchangeable, Removeable Button Head 15KBR3 (Orange)	3 A	15kV	1
674060	Universal/Interchangeable, Removeable Button Head 15KBR5 (Yellow)	5 A	15kV	1
674079	Universal/Interchangeable, Removeable Button Head 15KBR6	6 A	15kV	1
674087	Universal/Interchangeable, Removeable Button Head 15KBR8 (Green)	8 A	15kV	1
674095	Universal/Interchangeable, Removeable Button Head 15KBR10 (Blue)	10 A	15kV	1
674109	Universal/Interchangeable, Removeable Button Head 15KBR12	12 A	15kV	1
674117	Universal/Interchangeable, Removeable Button Head 15KBR15 (Purple)	15 A	15kV	1
674125	Universal/Interchangeable, Removeable Button Head 15KBR20 (Dark Grey)	20 A	15kV	1
674133	Universal/Interchangeable, Removeable Button Head 15KBR25	25 A	15kV	1
674141	Universal/Interchangeable, Removeable Button Head 15KBR30 (White)	30 A	15kV	1
674168	Universal/Interchangeable, Removeable Button Head 15KBR40 (Black)	40 A	15kV	1
674176	Universal/Interchangeable, Removeable Button Head 15KBR50 (Light Grey)	50 A	15kV	1
674184	Universal/Interchangeable, Removeable Button Head 15KBR60 (Silver)	60 A	15kV	1
674192	Universal/Interchangeable, Removeable Button Head 15KBR65 (Gold)	65 A	15kV	1
674206	Universal/Interchangeable, Removeable Button Head 15KBR75	75 A	15kV	1
674214	Universal/Interchangeable, Removeable Button Head 15KBR80	80 A	15kV	1
674222	Universal/Interchangeable, Removeable Button Head 15KBR100 (Lime)	100 A	15kV	1

BUSSMANN G06, H07 & NITD Industrial Fuses



G06, H07 & NITD HRC Fuselinks – Class gG

Brand: Bussmann | Origin: India | Unit: Each

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

9.2





K07, L09 & L14 HRC Fuselinks – Class gG						
Brand: Bussmann Origin: India Unit: Each						
Part Number	Description	Amps	Volts	Break	Tags	Box Qty
K07 Offset Fuselinks						
645664	40K07 (BAO40)	40A	550V	80kA	Offset	20
645680	50K07 (BAO50)	50A	550V	80kA	Offset	20
645702	63K07 (BAO63)	63A	550V	80kA	Offset	20
692336	80K07R (OSD80)	80A	550V	80kA	Offset	20
692344	100K07R (OSD100)	100A	550V	80kA	Offset	20
L09 Offset Fuselinks						
646458	80L09 (CD80)	80A	550V	80kA	Offset	10
646466	100L09 (CD100)	100A	550V	80kA	Offset	10
L14 Offset Fuselinks						
646512	32L14 (CE032)	32A	550V	80kA	Offset	10
646520	40L14 (CE040)	40A	550V	80kA	Offset	10
646539	50L14 (CE050)	50A	550V	80kA	Offset	10
646547	63L14 (CE063)	63A	550V	80kA	Offset	10
646555	80L14 (CE080)	80A	550V	80kA	Offset	10
646563	100L14 (CE0100)	100A	550V	80kA	Offset	10

BUSSMANN M14, M09, N09 & P09 Industrial Fuses



M14, M09, N09 & P09 HRC Fuselinks – Class gG

Brand: Bussmann | Origin: India | Unit: Each

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

9.2





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

BUSSMANN Motor Circuit Fuses



Motor Rated HRC Fuselinks – Class gG

Brand: Bussmann | Origin: India | Unit: Each

Part Number	Description	Amps	Volts	Break	Tags	Box Qty
G06 Motor Circuit Fuses						
649201	20M25 G06 MC (NSD20M25)	20M25	550V	80kA	Staggered	20
649228	20M32 G06 MC (NSD20M32)	20M32	550V	80kA	Staggered	20
649236	32M40 G06 MC (NSD32M40)	32M40	550V	80kA	Staggered	20
H07 Motor Circuit Fuses						
649368	32M40 H07 MC (AA032M40)	32M40	550V	80kA	Offset	20
649384	32M50 H07 MC (AA032M50)	32M50	550V	80kA	Offset	20
649392	32M63 H07 MC (AA032M63)	32M63	550V	80kA	Offset	20
K07 Motor Circuit Fuses						
649457	63M80 K07 MC (BA063M80)	63M80	550V	80kA	Offset	20
649465	63M100 K07 MC (BA063M100)	63M100	550V	80kA	Offset	20
Other Motor Circuit Fuses						
649651	100M125 L09 MC (CD100M125)	100M125	415V	80kA	Central	10
649597	100M125 L14 MC (CE0100M125)	100M125	415V	80kA	Offset	10
649678	100M160 L09 MC (CD100M160)	100M160	415V	80kA	Central	10
649619	100M160 L14 MC (CE0100M160)	100M160	415V	80kA	Offset	10
649627	100M200 L14 MC (CE0100M200)	100M200	415V	80kA	Offset	10
649694	200M250 M09 MC (DD200M250)	200M250	415V	80kA	Central	5
649643	200M250 M14 MC (TFP200M250)	200M250	660V	80kA	Offset	5
649724	315M400 N09 MC (ED315M400)	315M400	415V	80kA	Central	1
646695	400M500 P09 MC (ED400M500)	400M500	415V	80kA	Central	1
647950	400M500 P11 MC (EF400M500)	400M500	550V	80kA	Central	1



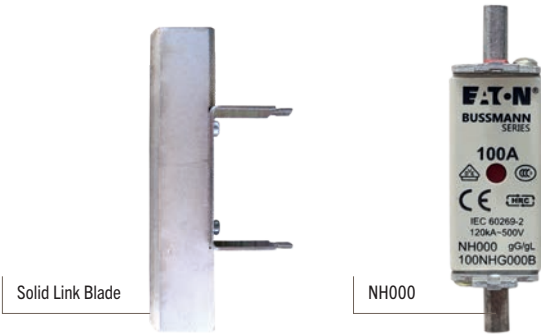
KR85 House Service HRC Fuselinks – Class gG to BS1361

Brand: Bussmann | Origin: India | Unit: Each

Part Number	Description	Amps	Volts	Break	Configuration	Box Qty
KR85 House Service Fuses						
647802	5A (5KR85)	5A	415V	33kA	22x57mm Ferrule	20
647810	10A (10KR85)	10A	415V	33kA	22x57mm Ferrule	20
647829	15A (15KR85)	15A	415V	33kA	22x57mm Ferrule	20
647837	20A (20KR85)	20A	415V	33kA	22x57mm Ferrule	20
647845	25A (25KR85)	25A	415V	33kA	22x57mm Ferrule	20
647853	30A (30KR85)	30A	415V	33kA	22x57mm Ferrule	20
647861	40A (40KR85)	40A	415V	33kA	22x57mm Ferrule	20
647888	45A (45KR85)	45A	415V	33kA	22x57mm Ferrule	20
647896	50A (50KR85)	50A	415V	33kA	22x57mm Ferrule	20
647918	60A (60KR85)	60A	415V	33kA	22x57mm Ferrule	20
647926	80A (80KR85)	80A	415V	33kA	22x57mm Ferrule	20
647934	100A (100KR85)	100A	415V	33kA	22x57mm Ferrule	20

9.2

BUSSMANN Solid Link & NH000 DIN Fuses



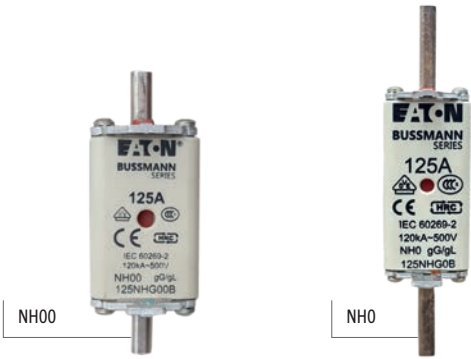
DIN Solid Link & NH000 HRC Fuses – Class gG

Brand: Bussmann | Origin: India | Unit: Each

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

9.2



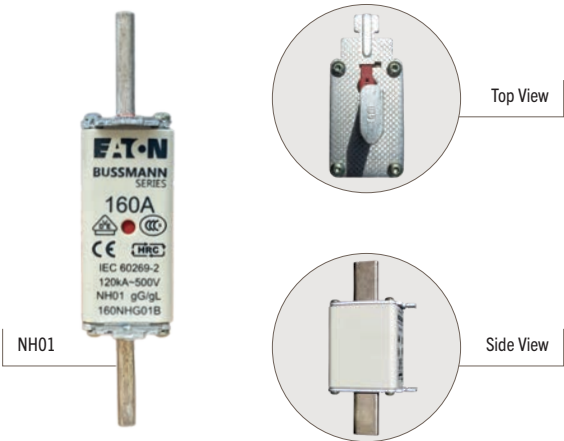


DIN NH00 & NH0 HRC Fuses – Class gG

Brand: Bussmann | Origin: India | Unit: Each

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

9.2



DIN NH01 HRC Fuses – Class gG

Brand: Bussmann | Origin: India | Unit: Each

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



DIN NH02 & NH03 HRC Fuses – Class gG						
Brand: Bussmann Origin: India Unit: Each						
Part Number	Description	Amps	Volts	Break	Configuration	Box Qty
NH2 DIN Fuselinks						
686735	50A NH2 (50NHG02B)	50A	500V	120kA	Blade Type	3
689548	63A NH2 (63NHG02B)	63A	500V	120kA	Blade Type	3
689998	80A NH2 (80NHG02B)	80A	500V	120kA	Blade Type	3
689882	100A NH2 (100NHG02B)	100A	500V	120kA	Blade Type	3
689564	125A NH2 (125NHG02B)	125A	500V	120kA	Blade Type	3
689572	160A NH2 (160NHG02B)	160A	500V	120kA	Blade Type	3
689580	200A NH2 (200NHG02B)	200A	500V	120kA	Blade Type	3
685860	224A NH2 (224NHG02B)	224A	500V	120kA	Blade Type	3
689890	250A NH2 (250NHG02B)	250A	500V	120kA	Blade Type	3
689610	315A NH2 (315NHG2B)	315A	500V	120kA	Blade Type	3
689629	355A NH2 (355NHG2B)	355A	500V	120kA	Blade Type	3
689637	400A NH2 (400NHG2B)	400A	500V	120kA	Blade Type	3
689653	500A NH2 (500NHG2B)	500A	440V	120kA	Blade Type	3
NH3 DIN Fuselinks						
693189	250A NH3 (250NHG03B)	250A	500V	120kA	Blade Type	3
689645	315A NH3 (315NHG03B)	315A	500V	120kA	Blade Type	3
689556	355A NH3 (355NHG03B)	355A	500V	120kA	Blade Type	3
689599	400A NH3 (400NHG03B)	400A	500V	120kA	Blade Type	3
689696	500A NH3 (500NHG3B)	500A	500V	120kA	Blade Type	3
689718	630A NH3 (630NHG3B)	630A	500V	120kA	Blade Type	3
689904	800A NH3 (800NHG3B)	800A	440V	120kA	Blade Type	3

BUSSMANN 76 & 82mm J-Type Fuses



76 & 82mm J-Type Fuselinks						
Brand: Bussmann Origin: India Unit: Each						
Part Number	Description	Amps	Volts	Fixing Centre	Standard	Box Qty
76mm						
647233	63A 76mm (63MJ29-6)	63A	415V	76mm	IEC 60269-1	5
647268	100A 76mm (100MJ29-6)	100A	415V	76mm	IEC 60269-1	5
647276	125A 76mm (125MJ29-6)	125A	415V	76mm	IEC 60269-1	5
647284	160A 76mm (160MJ29-6)	160A	415V	76mm	IEC 60269-1	5
647292	200A 76mm (200MJ29-6)	200A	415V	76mm	IEC 60269-1	5
647306	250A 76mm (250MJ29-6)	250A	415V	76mm	IEC 60269-1	5
82mm						
647373	32A 82mm (32MJ30-8)	32A	415V	82mm	IEC 60269-1	5
647381	40A 82mm (40MJ30-8)	40A	415V	82mm	IEC 60269-1	5
647403	63A 82mm (63MJ30-8)	63A	415V	82mm	IEC 60269-1	5
647411	80A 82mm (80MJ30-7)	80A	415V	82mm	IEC 60269-1	5
647438	100A 82mm (100MJ30-7)	100A	415V	82mm	IEC 60269-1	5
647446	125A 82mm (125MJ30-7)	125A	415V	82mm	IEC 60269-1	5
647454	160A 82mm (160MJ30-7)	160A	415V	82mm	IEC 60269-1	5
647462	200A 82mm (200MJ30-7)	200A	415V	82mm	IEC 60269-1	5
647470	250A 82mm (250MJ30-7)	250A	415V	82mm	IEC 60269-1	5
647489	315A 82mm (315MJ30-7)	315A	415V	82mm	IEC 60269-1	5
647659	355A 82mm (355PJ30-7)	355A	415V	82mm	IEC 60269-1	5
647667	400A 82mm (400PJ30-7)	400A	415V	82mm	IEC 60269-1	5

9.2





92mm J-Type Fuselinks

Brand: Bussmann | Origin: India | Unit: Each

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

BUSSMANN 10x38mm Cylindrical Fuses



C10G16 and
C10G32 10x38

Cylindrical 10x38mm Fuselinks – Class gG

Brand: Bussmann | Unit: Each

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



BS88 'T' Type High-Speed 240V Semi-Conductor HRC Fuselinks

Brand: Bussmann | Origin: India | Unit: Each

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

9.2

BUSSMANN CT, FE, FEE & FM High Speed Fuses



BS88 'T' Type High-Speed 690V Semi-Conductor HRC Fuselinks

Brand: Bussmann | Origin: India | Unit: Each

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





Neozed D0 HRC Fuselinks – Class gG to AS/NZS 60269						
Brand: Bussmann Origin: India Unit: Each						
Part Number	Description	Amps	Volts	Length	Width	Box Qty
Neozed D01 Bottle Fuses						
687855	2NZ01	2A	440V	36mm	11mm	10
687863	4NZ01	4A	440V	36mm	11mm	10
687820	6NZ01	6A	440V	36mm	11mm	10
687839	10NZ01	10A	440V	36mm	11mm	10
687847	16NZ01	16A	440V	36mm	11mm	10
Neozed D02 Bottle Fuses						
687901	20NZ02	20A	440V	36mm	15mm	10
687928	25NZ02	25A	440V	36mm	15mm	10
687936	35NZ02	35A	440V	36mm	15mm	10
687944	50NZ02	50A	440V	36mm	15mm	10
687952	63NZ02	63A	440V	36mm	15mm	10

BUSSMANN Diazed D16/D27 Bottle Fuses



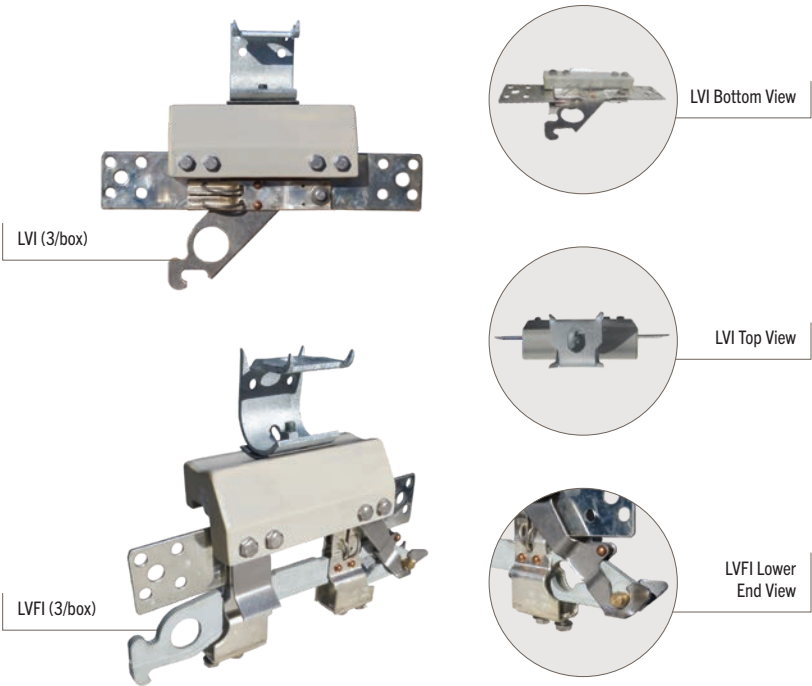
Diazed ND HRC Fuselinks – Class gG to AS/NZS 60269

Brand: Bussmann | Origin: India | Unit: Each

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

9.2





9.3

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

NGK STANGER FSD Disconnects



FSD Three & Single Phase DIN Fuse Disconnects – AS/NZS 3947-1

Brand: NGK-S | Origin: Australia

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



Economy G06 32A Fuseholders for Staggered Tag Fuselinks – AS/NZS 60269							
Brand: None Origin: China Unit: Each							
Part Number	Description	Rating	Voltage	Configuration	Colour	Weight	Box Qty
540161	32A G06 EE/EE Fuseholder	32A	550V	End Entry End Entry	Black	85g	5
540757	32A G06 BE/BE Fuseholder	32A	550V	Back Entry Back Entry	Black	85g	5

HRC Fuselinks Compatibility Chart

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	AA0	A2	2-32	73.5mm	TIA	SB2	TIA
K07	BA0	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	CE0		32-100	94mm	TCP	SD5	TCP
M14	DE0		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



NZ Insulators Fusible Solutions

Motor Circuit Protection Chart

AS 2005,BS88 and IEC 60269

AS NZS 60269

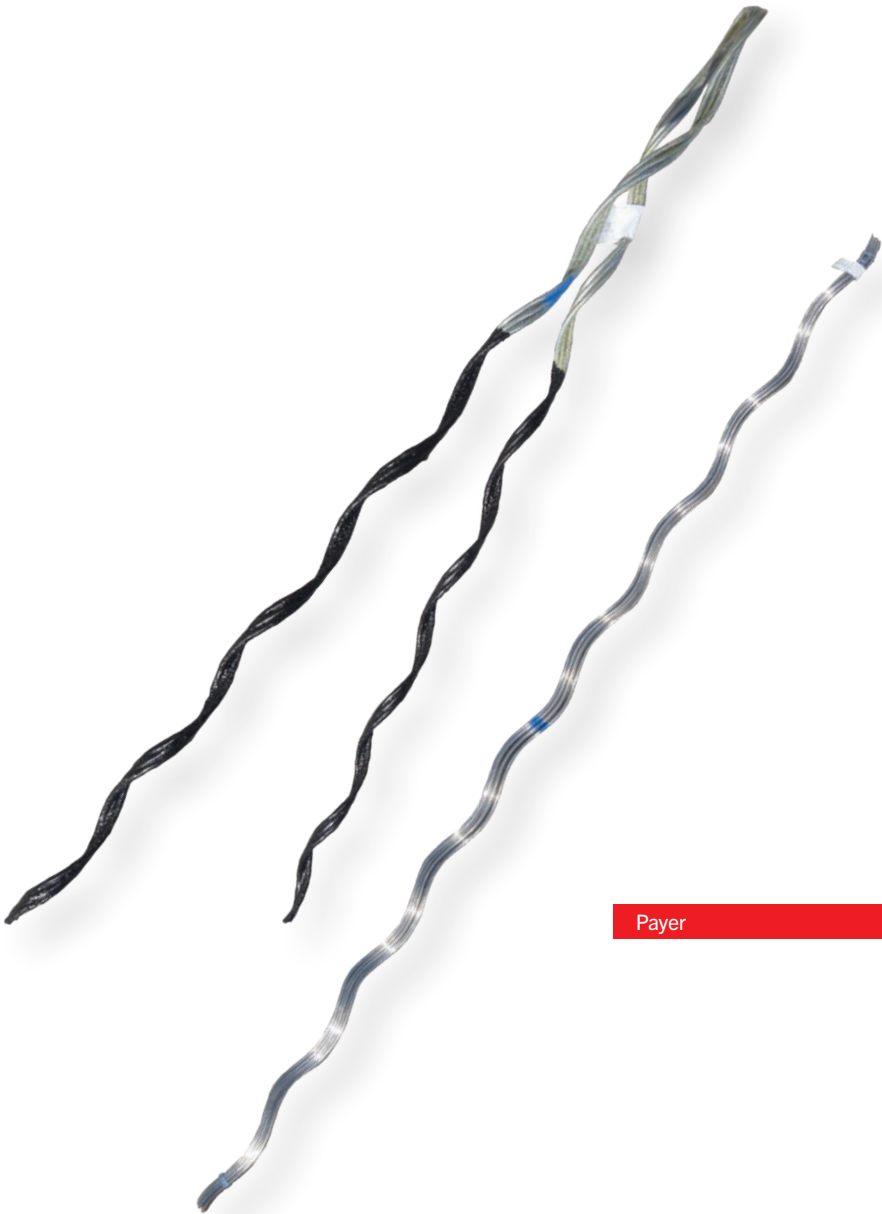
Power (KW)	Horse Power (HP)	Current F.L.C. (AMPS)	Direct On Line		Assisted Start Fuse
			Normal Fuse	Motor Fuse	
0.75	1.0	1.9	6	–	4
1.1	1.5	2.5	10	–	6
1.5	2.0	3.5	16	–	10
2.2	3.0	5.0	20	–	10
3.0	4.0	6.5	20	–	16
4.0	5.5	8.0	25	20M25 G06	16
5.5	7.5	11	32	20M32 G06	20
7.5	10	14	40	32M40 G06	20
11	15	21	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

10.0

Preformed Products





Payer	10.1
-------	------

PAYER Line Guards & Line Splices



Genuine Payer
of Canada

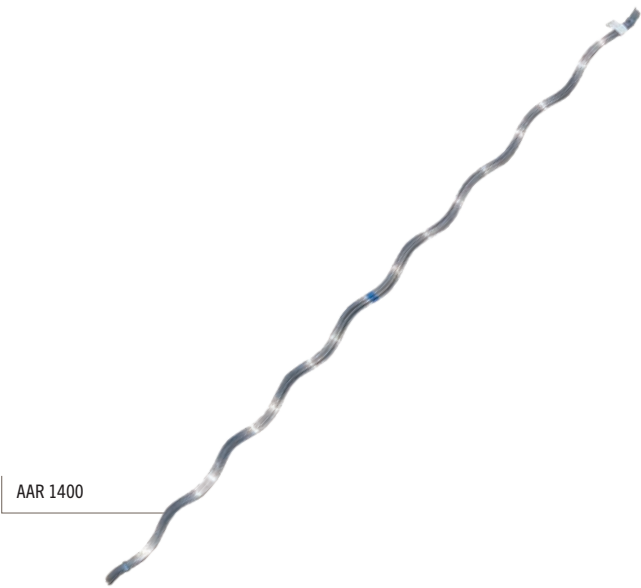
Aluminium Line Guards & Line Splices –RH Lay

Brand: Payer | Origin: Canada | Unit: Each

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

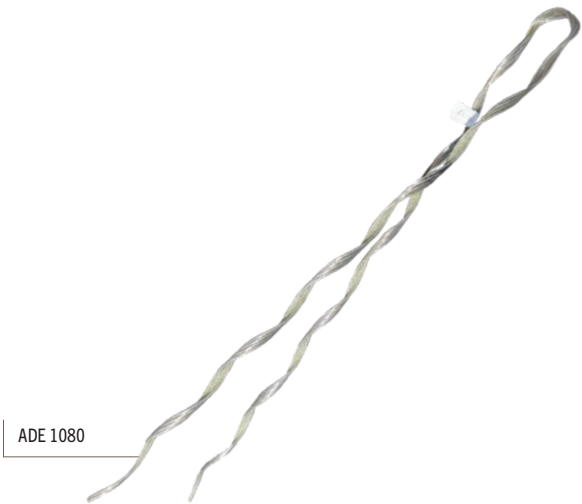
10.1





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

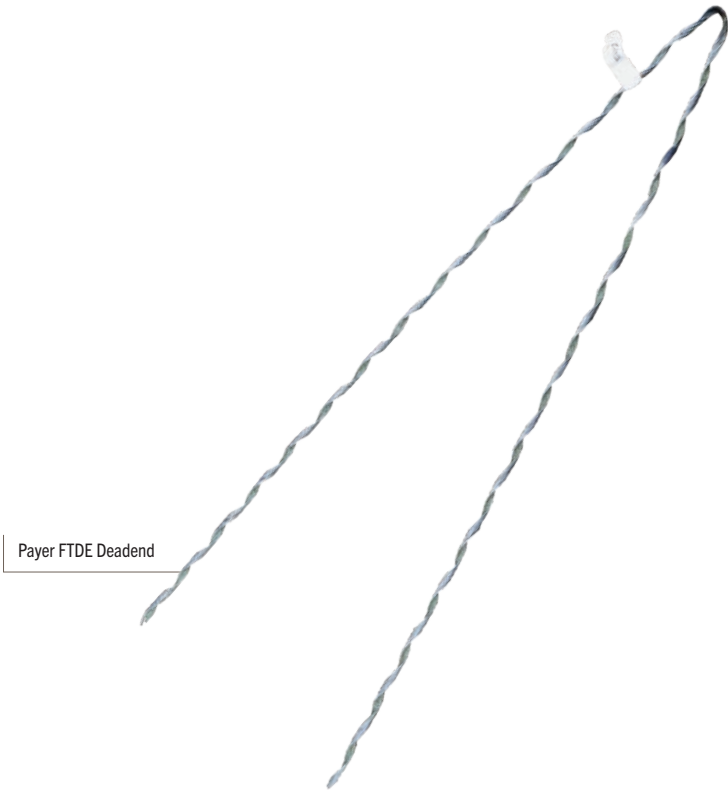
10.1



Aluminium Deadends – RH Lay

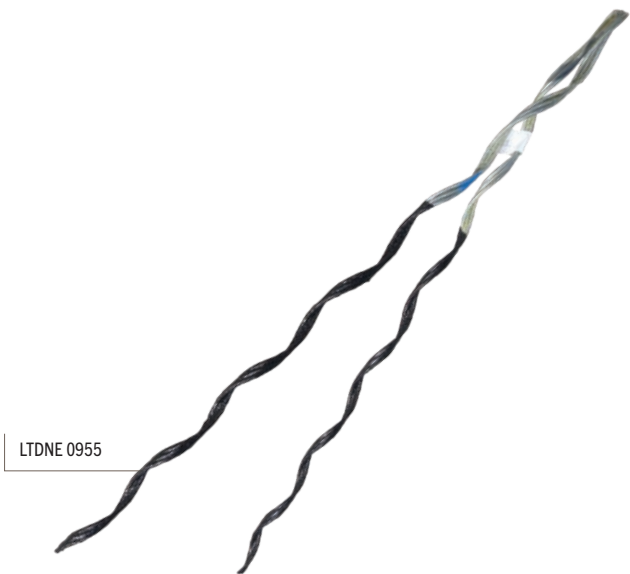
Brand: Payer | Origin: Canada | Unit: Each

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



10.1

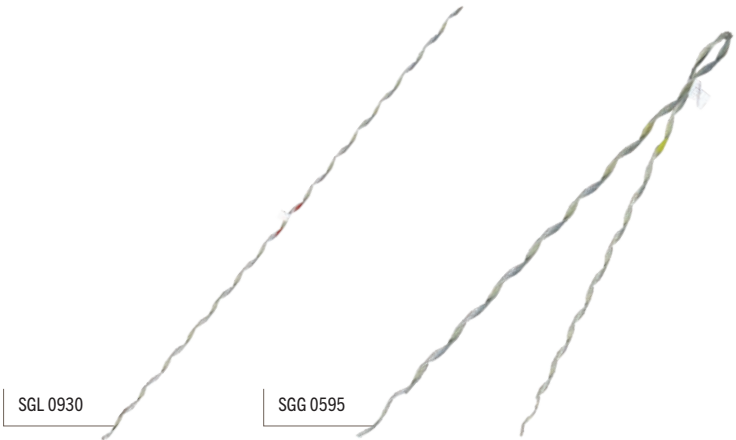
Full Tension Single Piece Galvanised Steel Deadends – RH Lay					
Brand: Payer Origin: Canada Unit: Each					
Part Number	Description	Conductor	Colour	Diameter	Box Qty
560081	FTDE Deadend	Flounder	Grey	6.71mm	50
560618	FTDE Deadend	Mink	Red	10.98mm	20



Galvanised Steel Limited Tension Neoprene Deadends – RH Lay

Brand: Payer | Origin: Canada | Unit: Each

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



Galvanised Steel Guy Grips & Guy Locks – RH Lay					
Brand: Payer Origin: Canada Unit: Each					
Part Number	Description	Galv Steel	Colour	Diameter Range	Box Qty
Guy Grips					
560219	SGG 0485	7/16	Black	4.85 - 5.04mm	50
560154	SGG 0595	7/14 SWG	Yellow	5.95 - 6.19mm	50
560227	SGG 0765	7/12	White	7.65 - 7.99mm	50
560162	SGG 0895	7/3.00	Red	8.95 - 9.29mm	40
560235	SGG 0930	7/3.15 & 1/19/1.9	Red	9.3 - 9.69mm	40
560170	SGG 0970	7/10 SWG	Green	9.7 - 10.04mm	40
560251	SGG 1185	7/4.00	Brown	11.85 - 12.19mm	25
560456	SGG 1305	19/12 SWG	White	13.05 - 13.49mm	15
Guy Locks					
560464	SGL 0595	7/14 SWG	Yellow	5.95 - 6.19mm	150
560278	SGL 0765	7/12 & 7.5mm	White	7.65 - 7.99mm	50
560472	SGL 0895	7/3.00	Red	8.95 - 9.29mm	40
560189	SGL 0930	7/3.15	Red	9.3 - 9.69mm	20
560480	SGL 1185	7/4.00	Brown	11.85 - 12.19mm	20

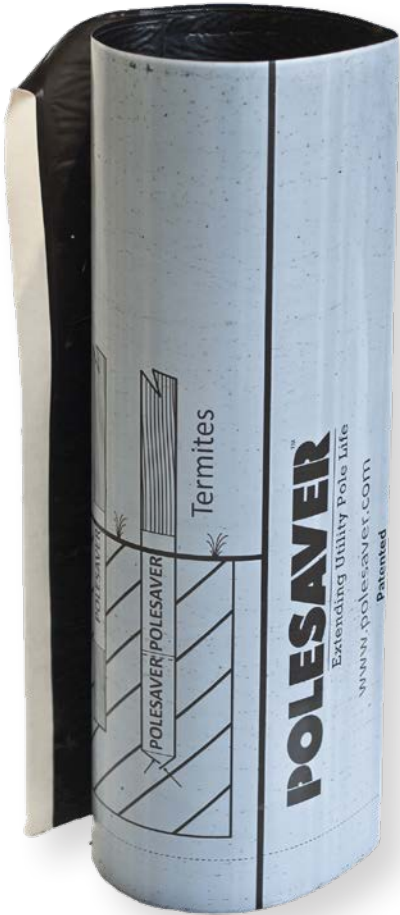
10.1

11.0

Pole Protection



POLESAVER



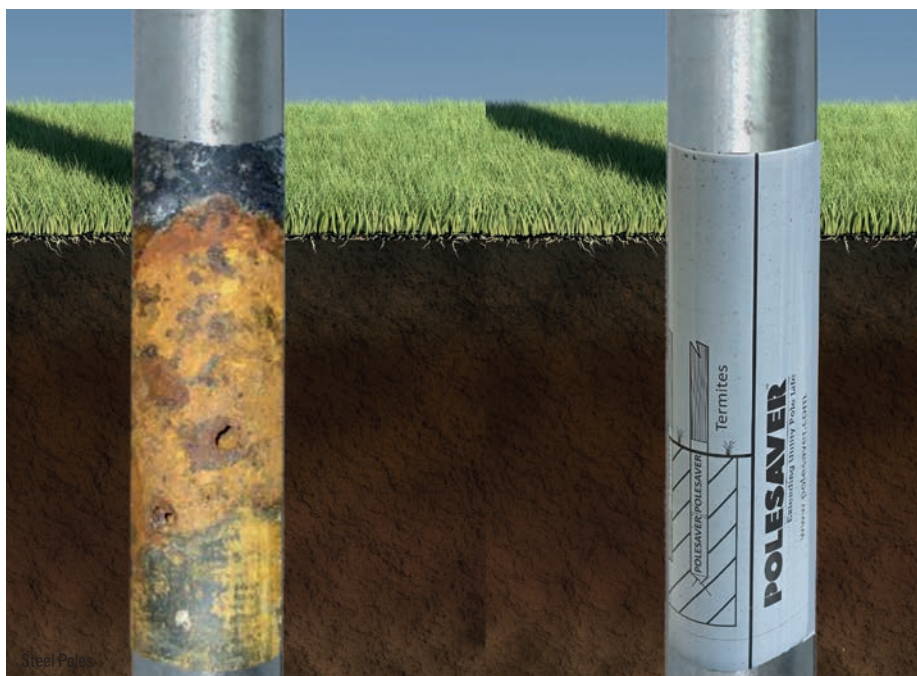
Polesaver	11.1
-----------	------



Polesaver Sleeves & Fire Protection Fabric

Part Number	Description	Product Code	To Fit Pole Diameter (mm)	To Fit Pole Diameter (in)	Pack Size
Polesaver Sleeves					
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
Fire Protection Fabric					
Part Number	Description	Product Code	Pack Quantity		
570133	Fire Protection Fabric 1.0 m x 25m Roll	FP1	1		

11.1



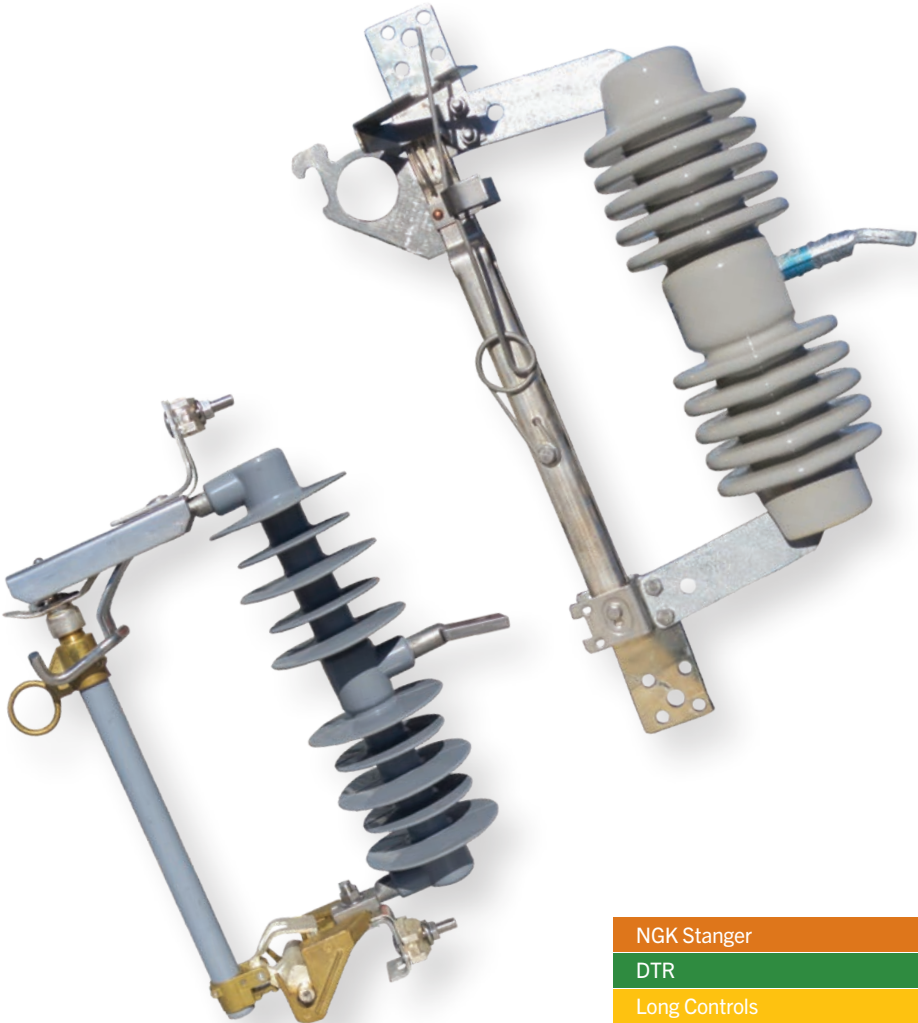
12.0

HV Switch, Disconnects & Service



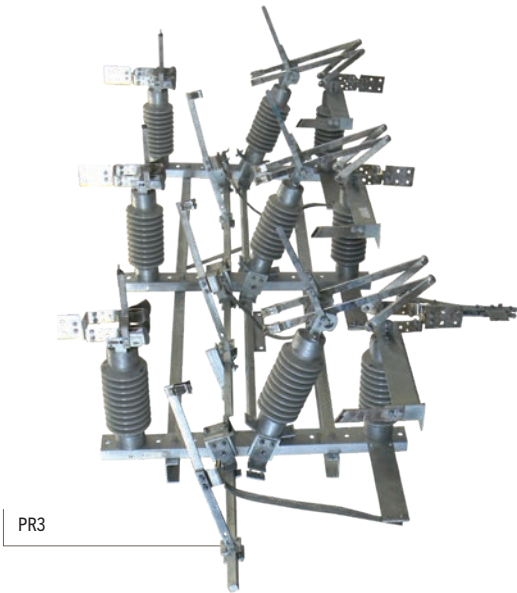
NGK STANGER





NGK Stanger	12.1
DTR	12.2
Long Controls	12.3

NGK STANGER Air Break Switches



Manual PR3 Air Break Switches

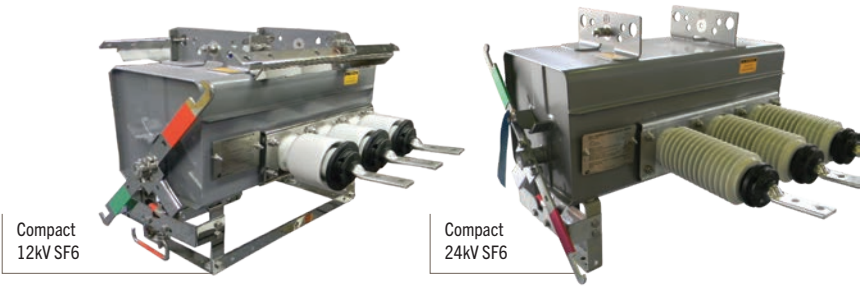
Brand: NGK-S | Origin: Australia

Part Number	Description	Rating	Current	BIL	Rate S/T Current	Standard	Drawing
Manual Flicker Style Air Break Switches							
539139	12kV PR3 Vert/Hor	12kV	630A	150kV	20kA@1sec	AS/NZS ISO 9001:2008	69118
539147	24kV PR3 Vert/Hor	24kV	630A	150kV	16kA@1sec	AS/NZS ISO 9001:2008	69119
539155	36kV PR3 Vert/Hor	36kV	630A	200kV	20kA@1sec	AS/NZS ISO 9001:2008	69120

Optional Accessories for NGK-S ABS

- 12.1
- NGK-S ABS Earth Switch (24&36kV only)
 - NGK-S ABS Dropout Fuse Mount
 - NGK-S ABS Crossarm
 - NGK-S ABS Operating Handle
 - NGK-S ABS Mounting Bracket Kit
 - NGK-S ABS Double Break Interrupter
 - NGK-S ABS ARCBREK 5 Interrupter





Manual SF6 Load Break Gas Switches

Brand: NGK-S | Origin: Australia

Part Number	Description	Rating	Current	Making Current	Standard	Weight	Drawing
Manual SF6 Gas Switches							
539082	12kV SF6 Compact	12kV	630A	41.6kA	AS/NZS ISO 9001:2008	75kg	91776
539090	24kV SF6 Compact	24kV	630A	41.6kA	AS/NZS ISO 9001:2008	95kg	90030
539104	36kV SF6	36kV	630A	33kA	AS/NZS ISO 9001:2008	180kg	90036

Optional Accessories for all SF6

NGK-S SF6 Safety Locking Kit	91777
------------------------------	-------

Optional Accessories for 12&24kV SF6

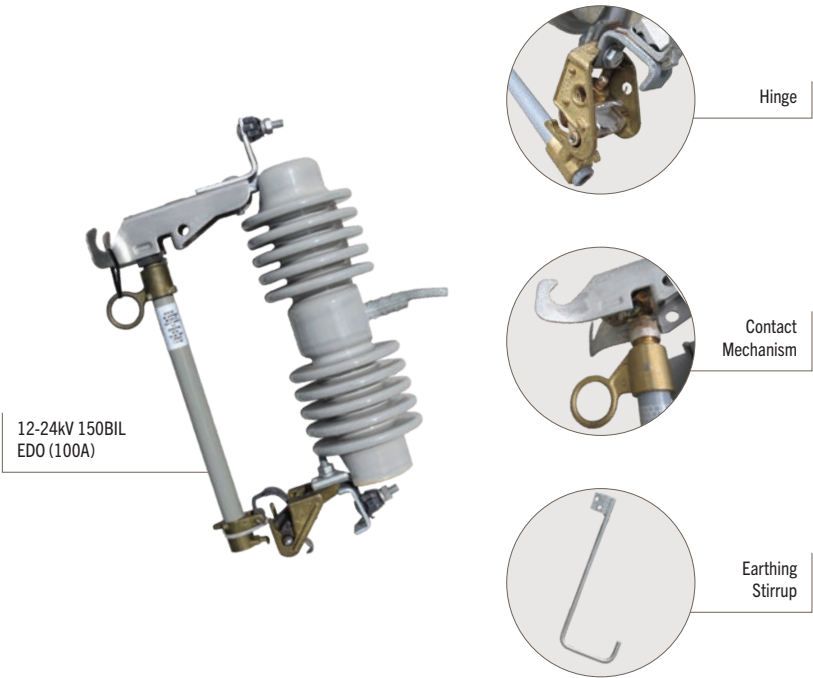
NGK-S SF6 12/24 Crossarm	91743
NGK-S SF6 12/24 Surge Diverter Mounting Kit	91806
NGK-S SF6 12/24 Mid Pole Actuator Kit	95110

12.1

Optional Accessories for 36kV SF6

NGK-S SF6 36 Crossarm	90481
NGK-S SF6 36 Pole Top Mounting Kit	90498
NGK-S SF6 36 Surge Diverter Mounting Kit	95001

NGK STANGER Porcelain EDO Dropouts



100A Porcelain EDO C-Type Dropout Switches

Brand: NGK-S | Origin: Australia | Colour: Grey

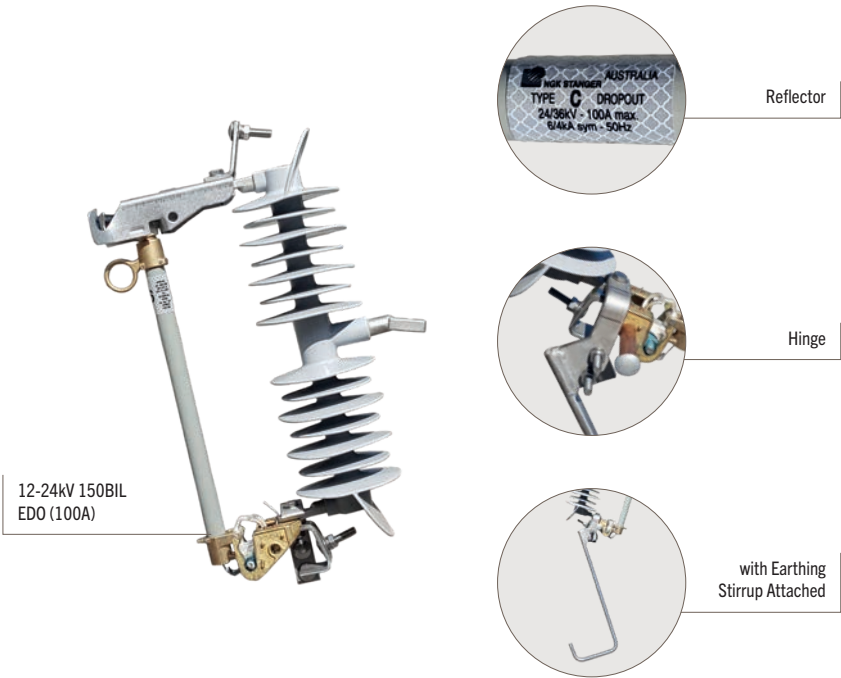
Part Number	Description	BIL	Current	Creepage	Breaking	Standard	Weight	Box/ Pallet	Drawing
150BIL EDO with Fuse Tube									
539023	12/24kV	150kV	100A	475mm	8kA@12kV	AS/NZS 1033.1	12.8kg	1/42	72298/15
170BIL EDO with Fuse Tube									
539031	24/36kV	170kV	100A	600mm	6kA@24kV	AS/NZS 1033.1	13.3kg	1/28	72299/27NORQEB

EDO Optional Accessories

EDO Earthing Stirrup	70450/6
EDO Fire Prevention Device	72835
EDO Birdproof Cover	72905

12.1



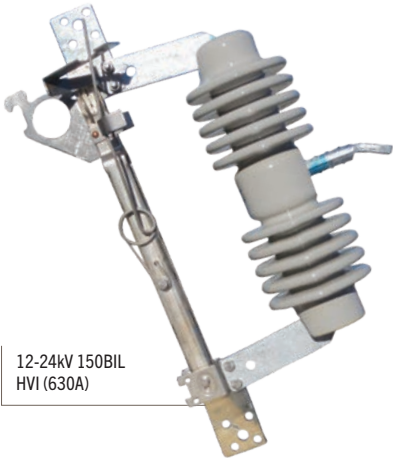


100A Polymer EDO C-Type Dropout Switches								
Brand: NGK-S Origin: Australia Colour: Grey								
Part Number	Description	BIL	Current	Creepage	Breaking	Weight	Box/ Pallet	Drawing
539384	12/24kV	150kV	100A	820mm	8kA@12kV	4.7kg	1/42	72298/17
539341	24/36kV	170kV	100A	1045mm	6kA@24kV	4.9kg	1/22	72299/26

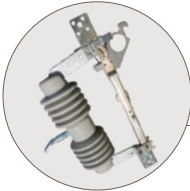
12.1

EDO Optional Accessories		
EDO Earthing Stirrup		70450/6
EDO Fire Prevention Device		72835
EDO Birdproof Cover		72905

NGK STANGER Porcelain HVI Disconnects



12-24kV 150BIL
HVI (630A)



Made in
Australia



Hinge



Contact
Mechanism

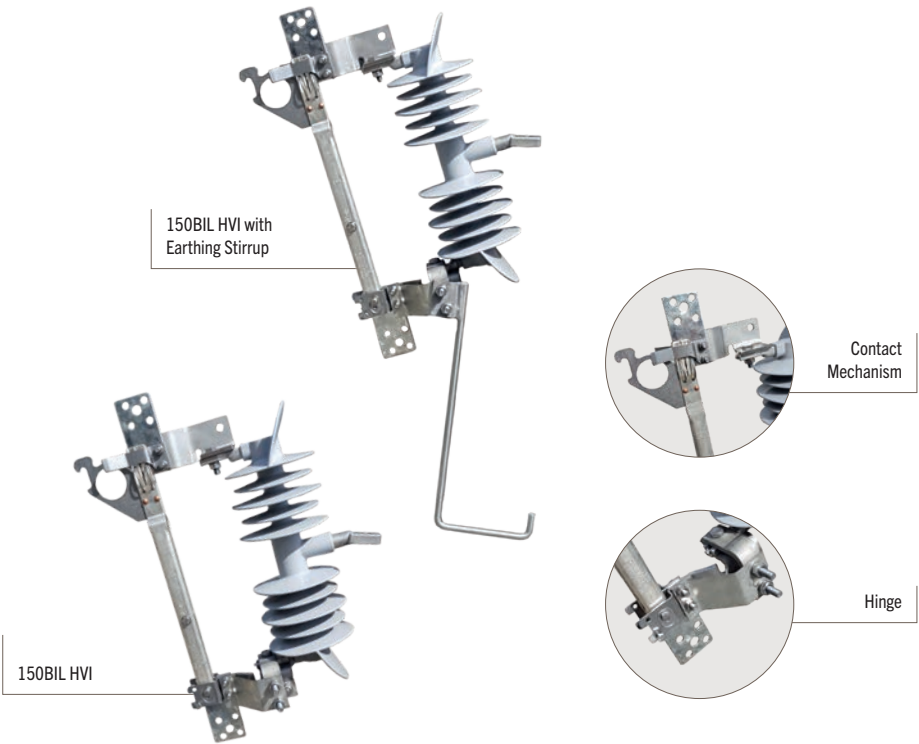
630A Porcelain Single Pole HVI C-Type Solid Links

Brand: NGK-S | Origin: Australia | Colour: Grey

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

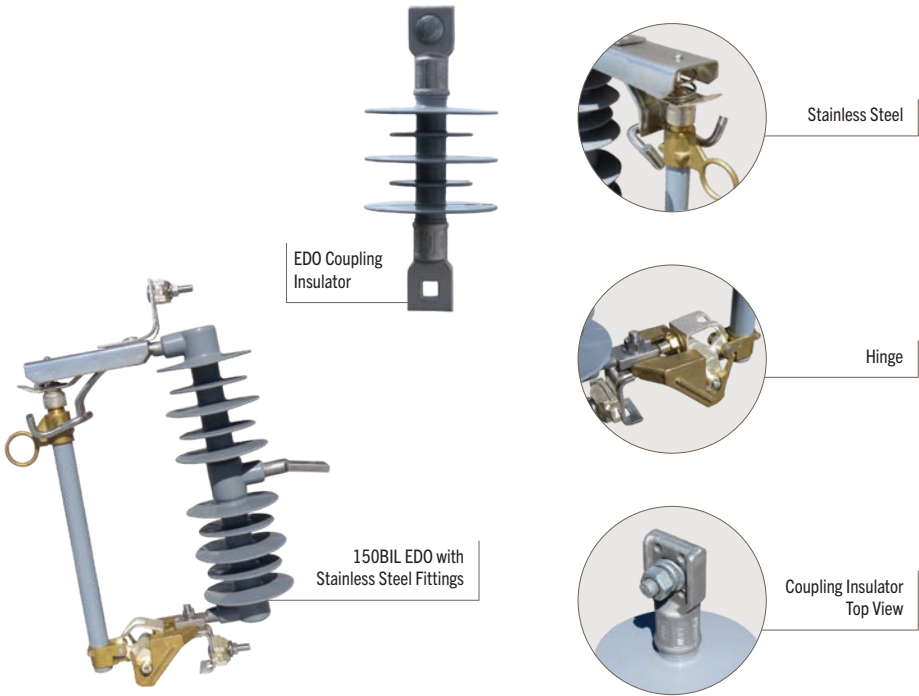
12.1





630A Polymer HVI C-Type Solid Links									
Brand: NGK-S Origin: Australia Colour: Grey									
Part Number	Description	BIL	Current	Creepage	Breaking	Standard	Weight	Box/ Pallet	Drawing
150BIL HVI									
539503	12/24kV + Hanger & Short Earth Stirrup	150kV	630A	820mm	20kA@1 sec	AS1306	6.8kg	1/24	70414/AUG1
539376	12/24kV + Hanger & Long Earth Stirrup	150kV	630A	820mm	20kA@1 sec	AS1306	6.8kg	1/24	70414/EE
170BIL HVI									
539368	24/36kV + Hanger & Long Earth Stirrup	170kV	630A	1045mm	20kA@1 sec	AS1306	7.2kg	1/24	70423/2EE

12.1



15-36kV Polymer EDO Dropouts & EDO Coupling Insulator

Brand: DTR | Origin: Korea | Colour: Grey

Part Number	Description	Rated	BIL	Current	Creepage	Length	Weight	Box/Pallet	Drawing
Polymer EDO Dropouts									
554448	15kV	15kV	125kV	100A	370mm	292.5mm	4.6kg	1/100	CSNL15-BP1-100D
554375	27kV	27kV	150kV	100A	580mm	383.5mm	5.6kg	1/86	CSNL27-BP1-100D
554413	36kV	36kV	175kV	100A	1080mm	513.5mm	6.4kg	1/44	CSNL36-BP1-100D

EDO Coupling Insulator

Part Number	Description	Rated	kN	Leakage	Length	Weight	Box/Pallet	Drawing
553098	EDO Coupling Insulator	15kV	9.8	450mm	265mm	1.2kg	20/600	CI265-120AL



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

12.3

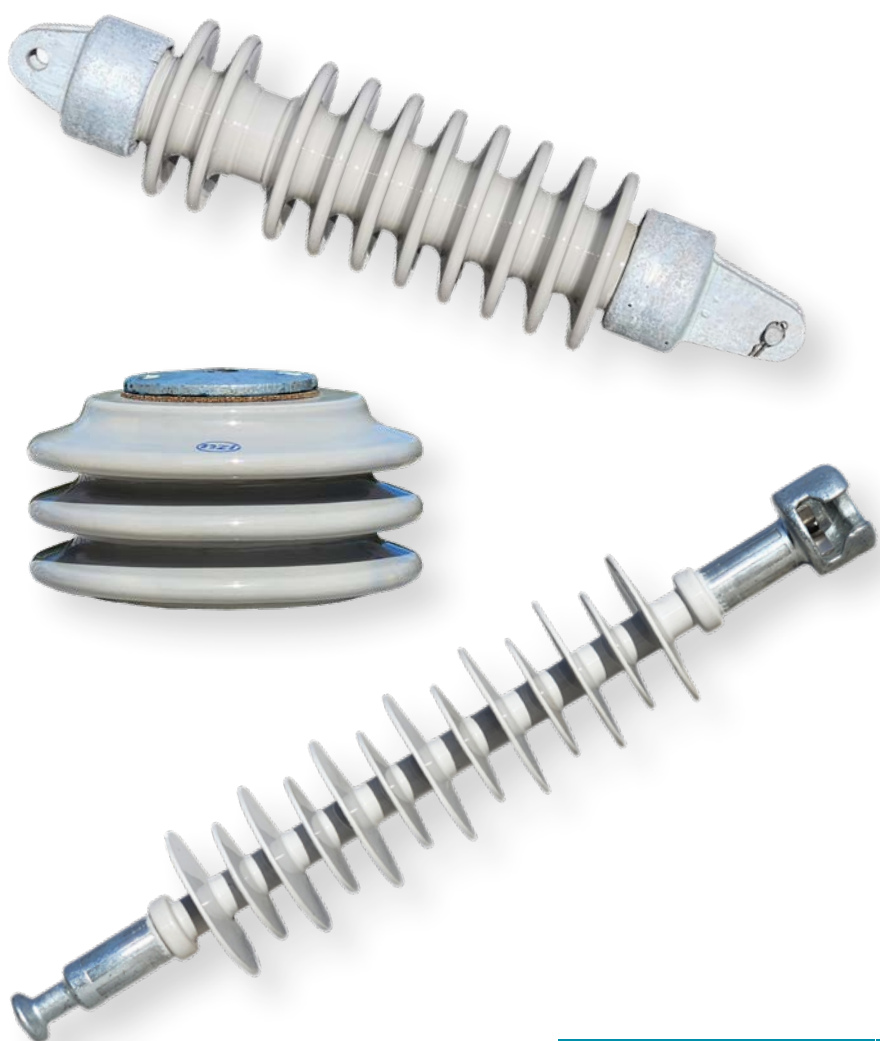
Contact our office to discuss your specific part/kit requirements for the various models of switchgear.

13.0

Rail Insulators, Switches, Products & Accessories



NGK STANGER



NZI	13.1
CTC	13.2
NGK Stanger	13.3

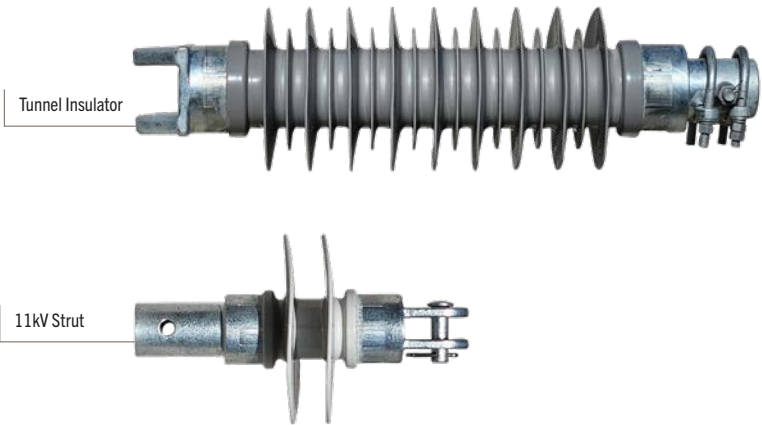
NZI 7.2-36kV Porcelain Rail Insulators



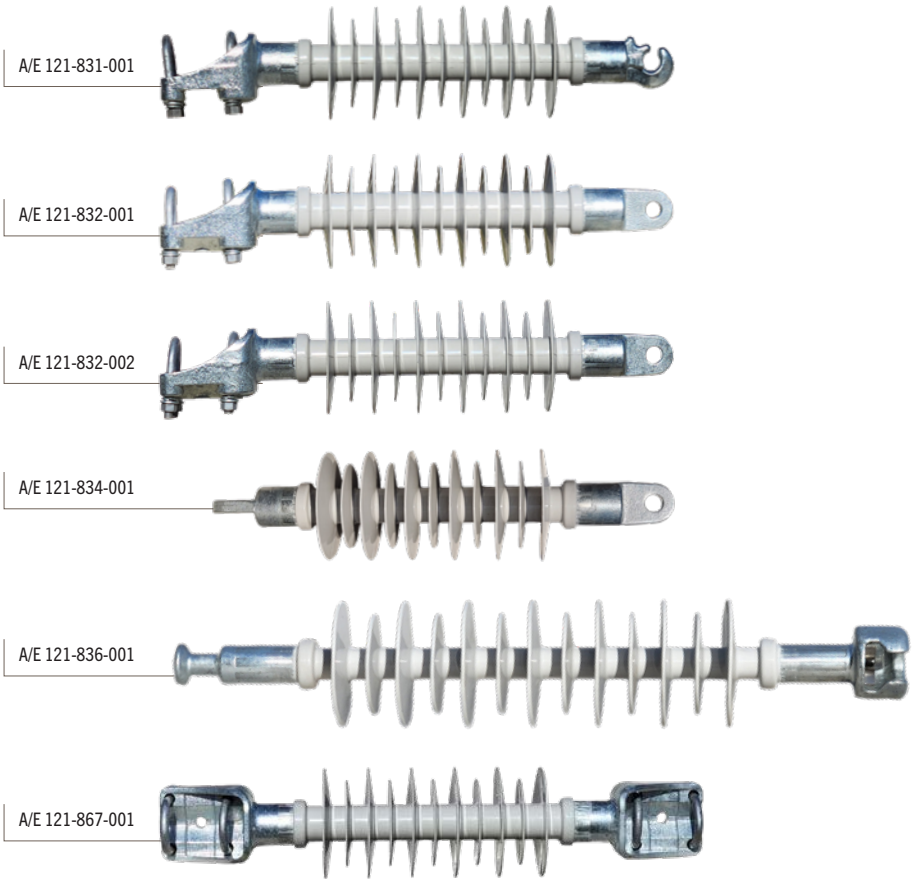
7.2-36kV Porcelain Rail Insulators

Brand: NZI | Origin: NZ | Colour: Grey | Unit: Each

Part Number	Description	Rated	Creepage	Flashover	Length	kN	Box Qty	Drawing
463817	Standoff Assembly	7.2kV	270mm	170mm	125mm	22	1	D447-0508
463876	Tension Insulator Assembly	36kV	850mm	330mm	713mm	22	1	D824-0504
463906	17/70 Strut Insulator	36kV	820mm	350mm	620mm	N/A	1	D824-0501
460001	36kV 4494 Station Post	36kV	860mm	330mm	381mm	12	1	D687-0547
463590	6/03/011 Assembly	36kV	850mm	330mm	520mm	N/A	1	D824-0513
464171	Tension Insulator	36kV	820mm	350mm	568mm	N/A	1	D824-0502
463639	6/03/015 Strut Assembly	36kV	1130mm	390mm	550mm	N/A	1	D824-0515



Polymer Rail Insulators								
Brand: CTC Origin: China Colour: Grey Unit: Each								
Part Number	Description	Weight	Creepage	Wet Flashover	Length	kN	Stud	Box Qty
556203	11kV Strut Insulator 24210	2.8kg	300mm	40kV	241mm	40	N/A	6
527696	Polymer Tunnel Insulator 121-838-001	21kg	1100mm	N/A	740mm	30	N/A	1



Polymer Rail Insulators						
Brand: CTC Origin: China Colour: Grey Unit: Each						
Part Number	Description	Weight	Creepage	Length	kN	Box Qty
527580	A/E Rail Polymer Post 121-831-001	6.3kg	1070mm	616mm	22	10
527572	A/E Rail Polymer Post 121-832-001	6.1kg	1070mm	616mm	70	10
527564	A/E Rail Polymer Post 121-832-002	6.1kg	1070mm	616mm	70	10
559016	A/E Rail Polymer Post 121-834-001	4kg	1070mm	533mm	21	10
527599	A/E Rail Polymer Suspension Insulator 121-836-001	1.8kg	1090mm	530mm	70	15
527653	A/E Rail Polymer Post 121-867-001	8.4kg	1170mm	694mm	70	10



Rail Switch Designs								
Brand: NGK Origin: Australia Unit: Each								
Part Number	Description	Rated	Amps	Length	Width	Height	Box Qty	Drawing
539163	25kV 1250A Single Pole 2-Position Isolating Switch	25kV	1250A	3072mm	250mm	750mm	1	73342-1
539198	25kV 1250A Single Pole 3-Position Isolating Switch with Earth	25kV	1250A	3072mm	1200mm	750mm	1	73342-3
539201	NGK 25kV 1250A Twin Pole 3-Position Isolating Switch	25kV	1250A	3072mm	1200mm	750mm	1	73342-6
539171	NGK 25kV 1250A Single Pole 3-Position Isolating Switch	25kV	1250A	3072mm	1200mm	750mm	1	73342-8
468479	NGK Operating Handle for 25kV OHL Isolating Switch	N/A	N/A	775mm	250mm	700mm	1	73380-2

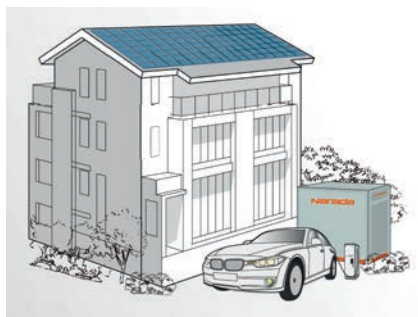
14.0

Energy Storage Solutions



Narada





Containerised Battery Energy Storage System (BESS)

- **Modular Scalable Design**
EnerCube is designed with three modular container sizes (10ft - 250kWh, 20ft - 500kWh, 40ft - 1000kWh) for easy saleability 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**
EnerCube 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.

Index

Quality Certification	4	Clamp, Stud and Base Options for DTR 46- 69kV Polymer Line Post Insulators – Tie Top & Clamp Top	42
ANSI Insulator Neck Designation and Dimensions	5	DTR 46-69kV Polymer Strain Insulators (IEC 61109)	43
1.0 - 11-15kV Insulators		DTR 115kV Polymeric Suspension Insulators for Transmission	44
NZI 11kV Porcelain Line Post Insulators – Tie Top	8	DTR 230-500kV Polymeric Suspension Insulators for Transmission	45
NZI 11kV Porcelain Line Post Insulators – Clamp Top	9	5.0 - 11-220kV Standoff & Station Post Insulators	
Clamp and Stud Options for NZI 11kV Porcelain Line Post Insulators – Clamp Top	10	NZI 12-36kV Porcelain Standoff Insulators	48
DTR 15kV Polymer Line Post Insulators – Tie Top	11	NZI 11-110kV Porcelain Station Post Insulators	49
DTR 15kV Polymer Line Post Insulators – Clamp Top	12	DTR 7.5-220kV Polymer Station Post Insulators	50
Clamp, Stud and Base Options for DTR 15kV Polymer Line Post Insulators – Tie Top & Clamp Top	13	DTR 15-33kV Polymer Standoff for Crucifix Bracket	51
DTR 15kV Polymer Strain Insulators	14	CTC 11-33kV Polymer T-Insert Insulators	52
CTC 11kV Porcelain Pin-Type Insulator – Tie Top	15	6.0 - 12-33kV Surge Arrestors	
CTC 11kV Polymer Line Post Insulators – Tie Top & Clamp Top	16	DTR 12-33kV Polymer Surge Arresters – Class 1	56
CTC 11kV Toughened Glass Discs For Distribution	17	DTR 12-33kV Polymer Surge Arresters – Class 2	57
2.0 - 22-25kV Insulators		7.0 - Overhead Line Hardware & Low Voltage Insulators	
NZI 22kV Porcelain Line Post Insulators – Tie Top	20	NZI Porcelain Guy Strains	60
NZI 22kV Porcelain Line Post Insulator – Clamp Top	21	AX Galvanised Steel Spindles & Washer for Pin-Type Insulators	61
NZI 22kV Porcelain Pin-Type Insulator – Tie Top	22	AX Galvanised Steel Spindles for Pin-Type Insulators	62
DTR 25kV Polymer Line Post Insulators – Tie Top & Clamp Top	23	AX Clevis Thimbles	63
Clamp, Stud and Base Options for DTR 25kV Polymer Line Post Insulators – Tie Top & Clamp Top	24	AX Shackle Straps & U Shackles	64
DTR 25kV Polymer Strain Insulator (IEC 61109)	25	Avon Industries Shackle Straps & U Shackles	65
3.0 - 33-35kV Insulators		Avon Industries Galvanised Steel Crucifix Bracket & Crossarm Braces	66
NZI 33kV Porcelain Line Post Insulators – Tie Top	28	Avon Industries Galvanised Steel Eye Bolts & Screw Anchors	67
NZI 33kV Porcelain Line Post Insulators – Clamp Top	29	CTC Low Voltage Porcelain Reels & Spike	68
Clamp and Stud Options for NZI 33kV Porcelain Line Post Insulators – Clamp Top	30	CTC Low Voltage Porcelain Reels – Pre-Assembled Bundles	69
NZI 33kV Porcelain Pin-Type Insulators – Tie Top	31	CTC Low Voltage Porcelain Pin-Type Insulator – Tie Top	70
DTR 35kV Polymer Line Post Insulators – Tie Top & Clamp Top	32	CTC Porcelain Guy Strains	71
Clamp, Stud and Base Options for DTR 35kV Polymer Line Post Insulators – Tie Top & Clamp Top	33	8.0 - Earth Rods, Earthing Hardware & Accessories	
DTR 35kV Polymer Strain Insulators	34	Fulton Industries 13mm Earth Rods & Accessories	74
CTC 33kV Polymer Line Post Insulators – Tie Top & Clamp Top	35	Fulton Industries 15mm & 19mm Earth Rods & Accessories	75
4.0 - 46-500kV Insulators		Fulton Industries Earthing Accessories	76
NZI 66kV Porcelain Line Post Insulators – Clamp Top	38	Fulton Industries Taps, Lugs, Service & CTC Bolted Connectors	77
NZI 110kV Porcelain Line Post Insulators – Clamp Top	39	Fulton Industries Tee-off & Rising Main Connectors	78
DTR 46kV Polymer Line Post Insulators – Tie Top & Clamp Top	40	Fulton Industries Split Bolt Connectors & Parallel Groove Clamps	79
DTR 69kV Polymer Line Post Insulators – Tie Top & Clamp Top	41	Fulton Industries One-Size-Fits-All Wedge Clamp	80
		Avon Industries HDG & Stainless Steel Earth Rods	81

9.0 - Fuses & Holders — Low & High Voltage

NZI Lineguard Disconnect	84
NZI 63A K07 HG Phenolic Fuseholders for Offset Tag Fuselinks	85
NZI Low Voltage Panels	86
Bussmann by Eaton 32A Fuseholders for Staggered Tag Fuselinks	87
Bussmann by Eaton 63A Fuseholders for Offset Tag Fuselinks	88
Bussmann by Eaton 100+A Fuseholders For Offset & Central Tag Fuselinks	89
Bussmann by Eaton HSB22 House Service Fuseholders	90
Bussmann by Eaton DIN Fuse Disconnects	91
Bussmann by Eaton MV 12kV HRC Fuselinks for use in Oil Switchgear	92
Bussmann by Eaton Weather-Sealed MV 12kV HRC Fuselinks for use in Air	93
Bussmann by Eaton Weather-Sealed MV 12kV HRC Back Up Fuselinks	94
Bussmann by Eaton MV 12kV HRC Full Range Fuselinks	95
Bussmann by Eaton Type T Expulsion Fuses	96
Bussmann by Eaton Type K Expulsion Fuses	97
Bussmann by Eaton G06, H07 & N1TD HRC Fuselinks	98
Bussmann by Eaton K07, L09 & L14 HRC Fuselinks	99
Bussmann by Eaton M14, M09, N09 & P09 HRC Fuselinks	100
Bussmann by Eaton N11, P11 & R11 HRC Fuselinks	101
Bussmann by Eaton Motor Rated HRC Fuselinks	102
Bussmann by Eaton KR85 House Service HRC Fuselinks	103
Bussmann by Eaton DIN Solid Link & NH000 HRC Fuses	104
Bussmann by Eaton DIN NH00 & NH0 HRC Fuses	105
Bussmann by Eaton DIN NH01 HRC Fuses	106
Bussmann by Eaton DIN NH02 & NH03 HRC Fuses	107
Bussmann by Eaton 76 & 82mm J-Type Fuselinks	108
Bussmann by Eaton 92mm J-Type Fuselinks	109
Bussmann by Eaton Cylindrical 10x38mm Fuselinks	110
Bussmann by Eaton BS88 'T' Type High-Speed 240V Semi-Conductor HRC Fuselinks	111
Bussmann by Eaton BS88 'T' Type High-Speed 690V Semi-Conductor HRC Fuselinks	112
Bussmann by Eaton Neozed DO HRC Fuselinks	113

Bussmann by Eaton Diazed ND HRC Fuselinks	114
NGK Stanger Solid Link LVI & Fused Link LVFI Isolators	115
NGK Stanger FSD Three & Single Phase DIN Fuse Disconnects	116
SYS "Economy" G06 32A Fuseholders for Staggered Tag Fuselinks	117
HRC Fuselinks Compatibility Chart	118
NZ Insulators Fusible Solutions	119

10.0 - Preformed Products

Payer Aluminium Line Guards & Line Splices	122
Payer Aluminium Armour Rods	123
Payer Aluminium Deadends	124
Payer Full Tension Single Piece Galvanised Steel Deadends	125
Payer Galvanised Steel Limited Tension Neoprene Deadends	126
Payer Galvanised Steel Guy Grips & Guy Locks	127

11.0 - Pole Protection

Polesaver Sleeves & Fire Protection Fabric	130
--	-----

12.0 - HV Switch, Disconnects & Service

NGK Stanger Manual PR3 Air Break Switches	134
NGK Stanger Manual SF6 Load Break Gas Switches	135
NGK Stanger 100A Porcelain EDO C-Type Dropout Switches	136
NGK Stanger 100A Polymer EDO C-Type Dropout Switches	137
NGK Stanger 630A Porcelain Single Pole HVI C-Type Solid Links	138
NGK Stanger 630A Polymer HVI C-Type Solid Links	139
DTR 15-36kV Polymer EDO Dropouts & EDO Coupling Insulator	140
Long Controls Service Kits and Spare Parts for Long and Crawford Switchgear	141

13.0 - Rail Insulators, Switches, Products & Accessories

NZI 7.2-36kV Porcelain Rail Insulators	144
CTC Polymer Rail Insulators	145
CTC Polymer Rail Insulators	146
NGK Stanger Rail Switch Designs	147

14.0 - Energy Storage Solutions

Narada Containerised Battery Energy Storage System	150
--	-----

NEW ZEALAND INSULATORS

**NEW ZEALAND INSULATORS LIMITED**

Established 1924

NZI Customer Service

Phone +64-3-6878100, +64-027-NZI SALE (+64-027-6947253), Fax +64-3-6158125

Office Hours 7.30am – 4.30pm (weekdays NZ Time)

Email sales@nzinsulators.co.nz**NZI Temuka Factory, HQ & South Island Warehouse**

Thomas Street, PO Box 5, Temuka 7948

Phone +64-3-6878100

NZI Auckland Branch & North Island Warehouse

11 Wookey Lane, Kumeu 0810

Phone +64-9-4125941

NZI Brands NZI, AX**Exclusive Distribution in NZ** DTR, Payer, GIG, NGK-S, Fulton, Polesaver, Long Controls, Narada, Poinsa and CTC.**Shared Distribution in NZ** Avon, Bussmann, Red Spot**Website** www.nzinsulators.co.nz**Timing**

This catalogue was released on 1/1/2024, and all product changes are effective from that date.

Terms of TradeAll Transactions with New Zealand Insulators remain consistent with our 'terms of trade' which can be downloaded from our home page www.nzinsulators.co.nz**Copyright**

This catalogue, our coding, product images and the brands NZI & AX are the intellectual property of New Zealand Insulators Limited.

Thank you for supporting NZI's Temuka factory.

To retain our vital (local) manufacturing capability, please specify NZI brand.



AX



Bussmann
by **FAT-N**



GLOBAL INSULATOR GROUP



Narada



POINSA

POLESAVER

NEW ZEALAND INSULATORS



TEMUKA

100 *Years*
1924 - 2024

Proudly Supporting
the New Zealand
Electrical Industry

NZI Customer Services

7.30am – 4.30pm Weekdays

T +64-3-6878100,

+64-027-NZI SALE (+64-027-6947253)

F +64-3-6158125

E sales@nzinsulators.co.nz

HQ & Factory

Thomas Street

PO Box 5, Temuka 7948

Auckland Branch

11 Wookey Lane

Kumeu 0810

W nzinsulators.co.nz

