



WANGYUAN ELECTRIC POWER TECHNOLOGY CO.,LTD.

ADD: 221#, 5Road, Economic Development Zone, Yueqing, Zhejiang

TEL / WhatsApp: 086-18367865167/17865577370

FAX: 0577-6260 6617

WEB: www.wydlkj.cc

Email: Jiangq747@gmail.com / hmkjyj@163.com



Electronic sample



WeChat



WhatsApp



网源电力
WANGYUAN ELELCTRIC

ELECTRIC POWER FITTING PRODUCT SELECTION GUIDE

Puncture clamp, Tension clamp, Parallel Groove clamp, Equipment clamp, Suspension clamp, Tension wire clamp, Brass wire clamp, Cable Lugs, Junction box, Copper aluminum tube, Bolt clamp



Wangyuan Electric Power Technology Co.,Ltd.

www.wydlkj.cc

MAKE A SPEECH

THE CHAIRMAN OF THE BOARD

Under the spring shower of reform and opening up, under the care of customers and new and old friends, and under the joint efforts of Netsource people, the production scale of power fittings, cable accessories, synthetic insulators, power equipment and other products is developing and growing.

After years of trials and hardships, we have walked out of a road of entrepreneurship, development and hope, won their own place in the market, netsource people have their own pride and pride, stride into the hardware industry one of the fastest growing enterprises.

The value of a business, like the value of a person, is not entirely determined by what it has achieved today, but by what it will pursue tomorrow. What about netsource tomorrow? Maybe I can't describe it arbitrarily, but I firmly believe that it is an enterprise that creates value - realizing customers' dreams and undertaking social obligations; It is a harmonious development of the enterprise - the internal has a mature modern enterprise system, the external pursuit of rational market space and ideal living environment; It is also a company with a human spirit - creating opportunities for employees to succeed and building platforms to implement their ambitions. "The long wind will break the waves, and the cloud sail will sail the sea." On the way to tomorrow, Netsource people will pursue the corporate values of "real life,

SCIENCE AND TECHNOLOGY

TRANSFERRING LIGHT AND HEAT INTO UBIQUITOUS ENERGY,
DRIVING SOCIAL CHANGE,
BRING US A WHOLE NEW WORLD.



WANGYUAN COMPANY PROFILE

With a total registered capital of RMB 111.88 million and an area of more than 20,000 square meters, Wangyuan Electric Power Technology Co., Ltd. is one of competitive service providers of power transmission and distribution systems. Our products contain insulators, lighting arresters, fuses, disconnect switches, air switches, power fittings, iron accessories, distribution boxes, New energy resources, earthing accessories and meters.

Our products are widely used in the power grid, power plants, petrochemical railway and related industries. Our company actively participates in China national Power Grid networks, in a number of constructions of major domestic and foreign power engineering units. Over years, with

reliable products, comprehensive sales services, a professional R&D team, our company has established a long-term cooperative relations with the power institutions. It adheres to progressive production, research and innovation needs. It strives to develop more advanced material, more optimized structure, better performance and more reliable quality. It continuously meets the domestic and foreign market demands. The company has advanced production equipments, the complete means of super production detection process. It consists of a number of workshops, such as the casting, stamping, extrusion, forging and assembly production and testing equipment. It equips with metallographic test equipment on material mechanical, chemical and physical properties.

The company adopts certificates of the ISO9001 quality system, ISO14001 environment system and OHSAS18001 occupational health and safety. The company holds to the principles of consistent science and technology innovation, quality-first, honesty, customer-first. The company is seeking the purpose of fine product quality and safe guarding the credibility of the enterprise. The company runs in accordance with the modern enterprise management of the full ISO9001 implementation. The company focuses on the establishment of marketing network and after-sales service system, sets central bases in provincial capital

cities and major industrial cities, then spreads into prefecture-level cities markets. Our products export into many counties and regions. The markets feedbacks are excellent.

By adopting new technology, new equipments, high-tech talents, high technology innovations, international standards and trustworthy sales services, our company continues to improve products quality to satisfy old and new customers.

www.wydlkj.cc



QUALIFICATION



QUALIFICATION CERTIFICATE

Wangyuan constantly strengthening the company's hard power, Netsource also pays attention to the construction of enterprise soft power, the company's products have obtained many certifications from authoritative certification bodies at home and abroad, and won many honors from relevant management departments in management, operation, technology, scientific research and other aspects.

ISO 9001

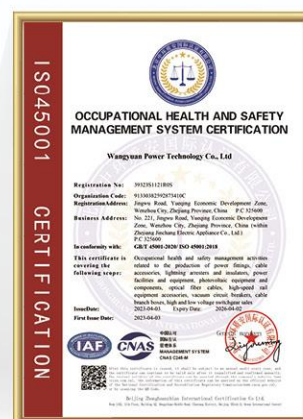
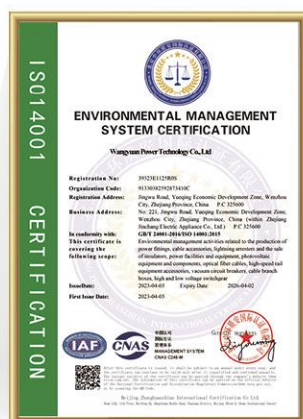
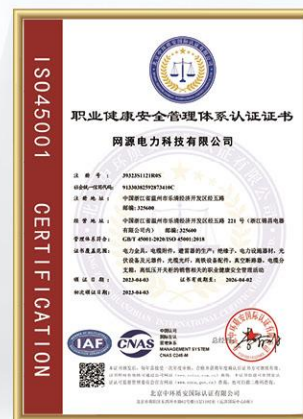
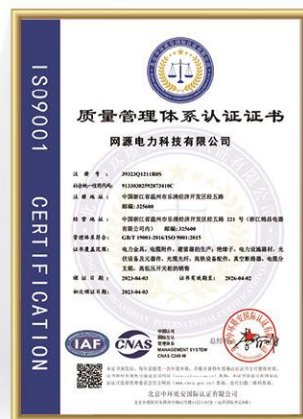
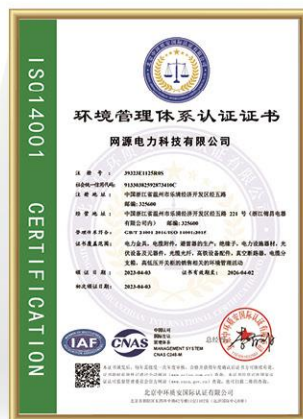
Quality system

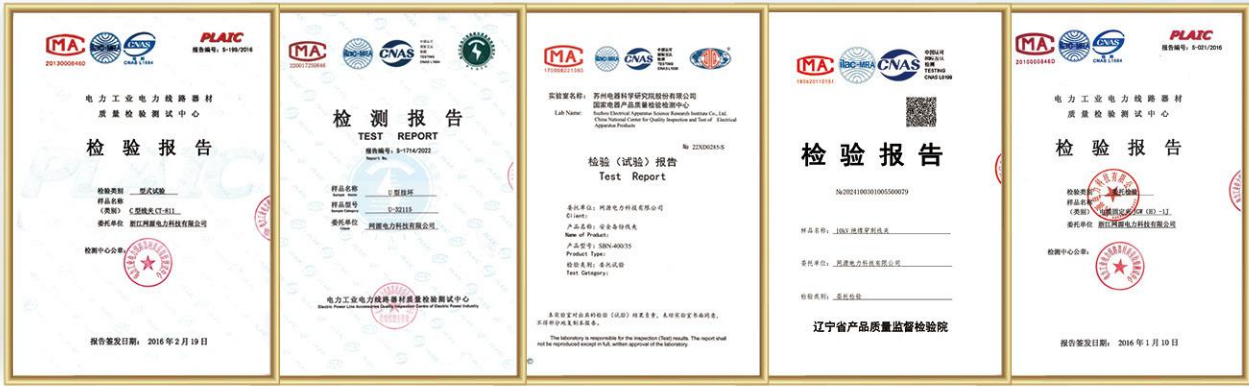
ISO 14001

Environmental system

OHSAS 18001

Occupational health and safety system





Product in process



PRODUCTION EQUIPMENT

Wangyuan Electric Power Technology Co.,Ltd continues to modernize its equipments, and upgrades the automation level. Our company has over 1,000 sophisticated machines, such as domestically leading high/low-pressure casting machine, aluminum furnace, 1000T forge friction press brake, NC flame cutter, 1250T profile extrusion machine, vacuum heat treatment equipment, CNC lathe/miller, CNC machining center. These facilities build a solid foundation to ensure the best product quality



DETECTION EQUIPMENT

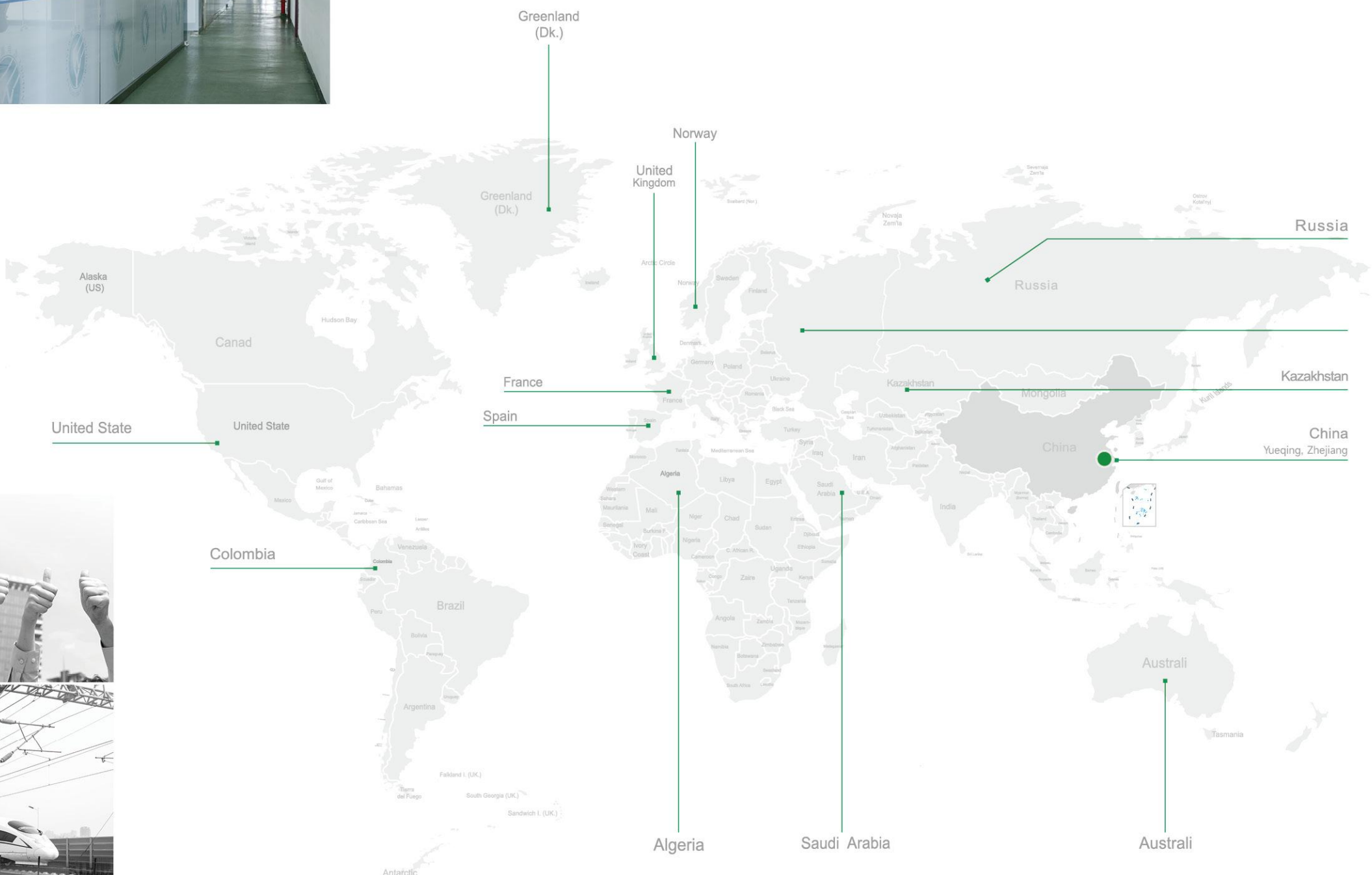
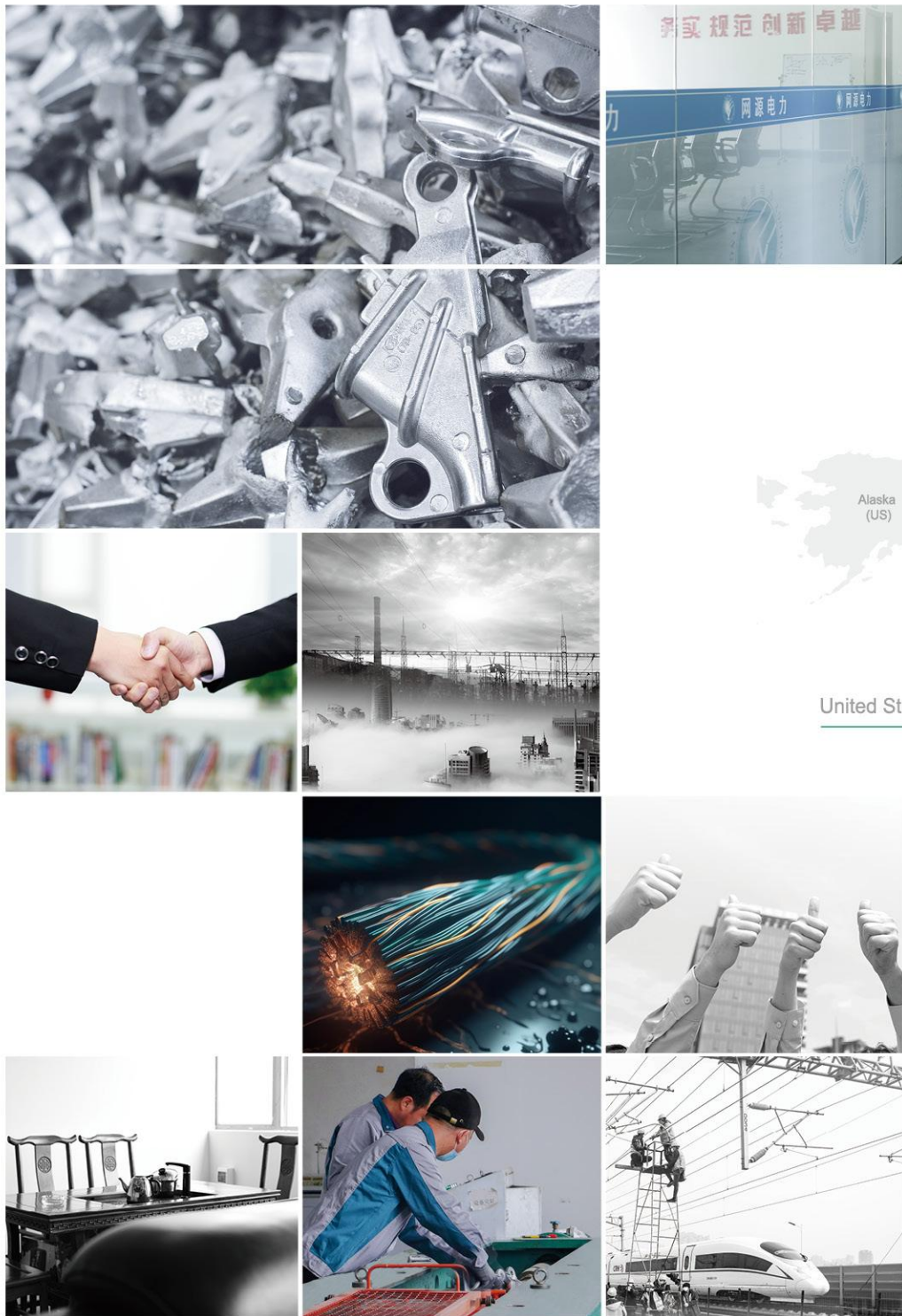
Wangyuan Electric Power Technology Co.,Ltd sets up an independent inspection laboratory. It has a group of sub branches of mechanical, chemical, physical & chemical, optical and electric etc. Experimental apparatuses include horizontal lacerating machine, vertical lacerating machine, micro computer digital auto-sampling analyzer, thermal cycling test equipment and high voltage dielectric strength tester etc.

Our inspection center participates in inspection and test on different types of power transmission and distribution products, additionally providing services for local or county-level quality control labs, electric company or other institutions. By which our company aims to make contributions to the electric society.



DEEP ROOTS, INTERNATIONAL NETWORK

The company attaches great importance to the establishment of marketing network and after-sales service system, to the provincial capital and major industrial city as the center and prefecture-level cities, focusing on county-level cities to radiation marketing system, products are exported to many countries and regions; quality excellent, good response. The introduction of new technology, new equipment and quality high-tech talent, technology, mechanism innovation, quality improvement, the amount of the cross. High standards and enhance sales service quality, meet old and new customers.



PRODUCT CONTENTS

Wangyuan Electric Power Technology Co.,Ltd.

www.wydlkj.cc



LV ABC Aerial Electrical Fittings

A

1KV 1Bolt Insulation Piercing Connector	001
1KV 2Bolt Insulation Piercing Connector	003
1KV Customized Insulation Piercing Connector	004
JBCF Series IPC	005
JBCV Series 1KV Insulation Piercing Connector	006
10KV Insulation Piercing Connector	007
End cap/LV ABC Aerial Electrical Fittings	008
Plastic Tension Clamp	009
Anchoring Clamp	011
NXJ,Tension Clamp	012
NXJP Metal Tension Clamp/NXJK Metal Tension Clamp	013
NXJK,NES Metal Tension Clamp/1.1 SeriesSuspension Clamp/PXG 25/120Suspension Clamp	014
WXG-94 Suspension Clamp/WXG-95 Suspension Clamp/PPXG 25/120 Suspension Clamp	015
PSXG Series Suspension Clamp/ES1500, PS1500 Suspension Clamp	016
Anchor Clamp Class	017
Bracket/Other Fittings/CPTAU, MJPB Pre-InsulatedBimetal Lugs	020
Cable Saddle	022
Nylon Tie Specification Size	023
Stainless steel ties	024
Band Strap Installation	025
Stainless Steel Strap & Cable Ties	026

SELECT PART

PG Clamp And Connector

B

JBL, JBT, JBTL series parallel groove clamp specific form and insulation cover(1kV, 10kV,20kV)	027
APG PG Clamp/CAPG PG Clamp	028
APG, Aluminum Parallel Groove Connector	029
YAPG, Bimetal ParallelGroove Connector	030
Aluminium Line Tap Connector/Aluminium PG Clamp	031

Lug

C

Terminal connector	032
SC(WGA)Cable Lugs	033
SC(WGK)Cable Lugs	034
SC(WGB)Cable Lugs	035
OT Copper connector	036
GTL Bimetal Cable Tube	037
DTL-F Square Head Terminal Connector Bimetallic Lug	038
DTL-2 Bimetal Cable Lugs	041
YDTL Bimetal Cable Lugs	042
WDTL-S Bimetal Cable Lugs	043
DL Aluminum Cable Lugs	044
Bi-metal Lug	045
YAMB Aluminum Bolted Cable Lugs/YAML Aluminum Bolted Cable Lugs	046
WDTL Bimetal Cable Connectors	047
WYJC-Bolted Copper Lugs/WYJB-Bolted Copper Lugs	048

Joint And Connector

D

WTLZ Bimetal Cable Tuber/Copper-Aluminium connecting tubes/GL-G Aluminium Connecting Pipe(Passing Though)	049
Joint And Connector/JBE Repair Sleeves For ACSR Conductor	050
W-GLG Aluminum Cable Lugs/W-GLU Aluminum Cable Lugs	051
Y-GL Aluminum Connectting Tube	052
MJPT Pre-Insulated Sleeve	053

H/C Type Clamp

E

JXD Wedge Clamp	056
H Type Clamp	057

Preformed dead end clamp

F

Protective fitting	058
FTY Preformed armour	059
Connector press type O	060
Pre-twisted wire/Specification	061
Pre-twisted wire	062
Dampers (Asymmetric tuning fork vibration prevention hammer)/Combined type spacer dampers	064
Preformed clamp asymmetrical tuning fork damper	065
Dampers/Dampers (Energy saving corona free type)/Dampers (Symmetry tuning fork vibration prevention hammer)	066
Preformed Guy Grip/NY Hydraulic Compression Type Strain Clamps	067

SELECT PART

Tension Clamp



Strain Clamps for heat-resistant Aluminum alloy Stranded Conductor (hydraulic Compression Type)	068
Strain Clamps of Welding Hydraulic Compression Type	069
Terminal Strain Clamps	070
Jumper clamp JYT	072
Spacer dampers for double conductor/Spacer -Dampers/Spacer -dampers for Three-bundle conductor(330kV line)/Spacer -dampers for Four-bundle conductor(330kV line)	073
NLL, Tension Clamp	074

Suspension Clamp



Suspension clamps	075
Suspension Clamps XG/Suspension Clamps XT	076
Suspension Clamps XGT/Suspension Clamps XGH	077

Line Hardware



Substation Fitting	078
Protective fitting	080
Installation Presentation diagram	081
Please phone us for special specification and type	082
Carriage Bolts/Straight STYLE	084

Line Hardware



DIRON	085
W Socket Eye/Socket Clevis (W Type)	086
Line Hardware/Socket Clevis (WS Type)	087
QH Ball Eye/Q/QP Ball Eye	088
D Shackles/Line Hardware U-Bolts	089
Line Hardware U Anchor Shackles/UL Anchor Shackles	090
Q-U Ball Eye/Soc ket Thimble	091
PIN	092
PS Clevis/PD Link Clevis	093
P Extension Link Clevis/Triangular plate	094
Line Hardware/Z Link Plate	095
Turnbuckle/Stay thimble/Ball Hook	096
NUT/NU Type Clamp(AD Justable /N ON-AD justable)/NX Type CLamp (ADjustable)	097
Pole Bands	098
Insulator Fitting	099
Pig Tail Hook/Screw Oval Eye Bolts	101
Eye Nuts	102
Thimble eye stay rod(Twin/Triple)/Guy clip/Cross type ground rod	103
Earthing Materials	104
CCT Copper clamp	107
Earthing Fittings	108

Column Switchgear And Fuse



Pre-insulated sleeve(with fuse)/Accessories	117
APDM160-Single phase switch for NH type fuses up to 160A	118
APDM400-Single phase switch for NH type fuses up to 400A	119
APDM630-Single phase switch for NH fuses up to 630A	120
APDM630-3-Four phase switch for NH fuses up to 630A,with three phase operation	121
APDM400T switch for NH fuses up to 400A	122
Pole-mounted 3 Phase Vacuum Auto Recloser Technical characteristics	123
Electric Power Equipment Series	124
Pole mounted air breaker switch without fuse	126
Pole-mounted IACM Volley Disconnecter	127
Pole-mounted Load Breaker Switch	128
Pole-mounted 3 Phase Vacuum Auto Recloser	129
Pole-mounted SF6 Load Breaker Switc	130
Pole-mounted 3 Phase Vacuum Auto Recloser	132
Overhead LV Fuse Cutout/Wedge fuse link	133
Low Voltage H.R.C Fuse	134
High-Voltage Fuse Link Series	138
LV Fuse Cutout	139
10kA Distribution Class 1	143
10kA Power station/Substation Class 2	144
Dropout Fuse Cutout	144
HY5W, HY10W Serise Polymer Type Lightning Arrester	149
COMPOSITE LINE POST INSULATOR	150
Polymeric Housed Surge arrester without Gaps/Porcelain Housed Surge arrester without Gaps	151
Composite Suspension /Tension Insulator	152
Composite Pin Insulator	153
Composite Line Post Insulator	155

Ceramic And Glass Insulators



Porcelain Suspension / Tension Insulator	156
Pin Type Insulator 55 Series LV & MV Type	157
Pin Type Insulator BS 11KV 22KV 33KV Pin Type	158
Stay Insulator	159
GY & BS Series	160
53 Series	161
ED Series	162
Line Post Insulator 57 Series Tie Top Type	163
Glass Disc Suspension Insulator	164

New Energy resources products



SBS Rack Mode Lithium Energy Storage Battery/SPW Power Wall Lithium Energy Storage Battery	165
SBM 5.12KWh Stacked Lithium Energy Storage Battery/SBW Lithium Energy Storage Battery	166
Optional Parts	167
SEPR Low Frequency Power Solar Inverter	168
SGN Low Frequency Power Solar Inverter	169
SGT Three Phase Power Inverter	170
DC Isolation Switch	171
Isolation Switch	175
Mechanical Combination System	179

SELECT PART

New Energy resources products

L

WYAL69 AC Isolation Switch	181
WYDL80 Isolation Switch	182
Solar Photovoltaic Connector	183
Solar Photovoltaic DC Cable	186
Solar Tool Kits	187
IENERGY iFastRack™	188
Flat Roof Mount	189
Off-Grid Diy Solar Panel Mounts	190
Solar Energy Set	192
WY-A Straighy Resin Joint Kits	194

Tools And Light Fixtures

M

Pole Cap	195
Safety Pole Signs And Accessories	196
Tools	197
Street Light	200

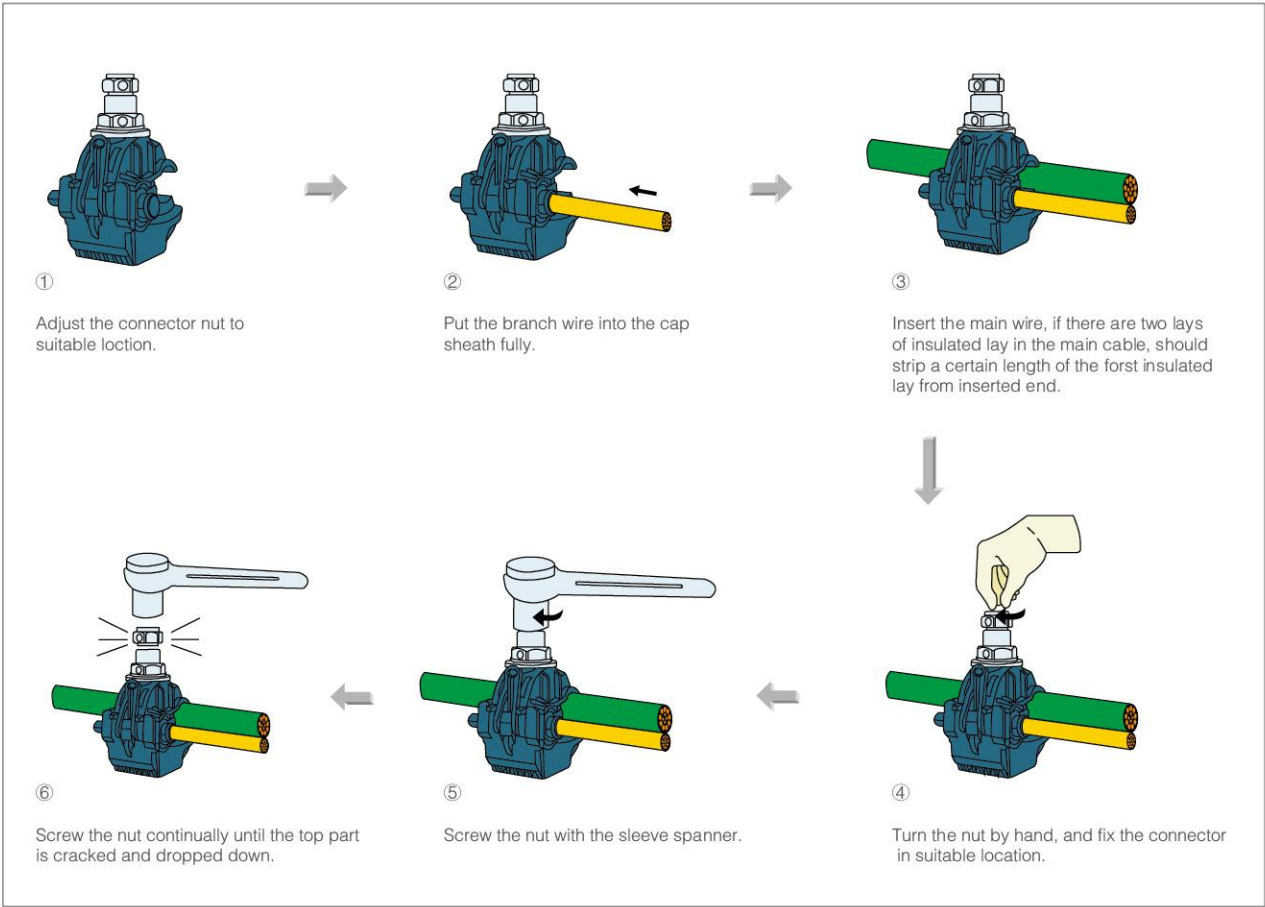


IKV IBolt Insulation Piercing Connector

Overview

- According to EN50483 standard.
- Strong PA66 cover with 1.5 times torque force testing without problem.
 - High hardness Al alloy or Cu teeth with tin plated.
 - Stable shear head force keep : ±2Nm.
 - Same hardness of nut and bolt thread,prevent from thread broken.
 - UV protected plastic.
 - Hot dip,dacromet or chroming galvanization,prevent from oxidation and corrosion.
 - Some type can be used for underwater of 6kv withstand voltageand compact structure of PVC or rubberlining with teeth and body to prevent from leakage.
 - Puncture structure,torque nut,to insure the puncture pressure. and it's easy to fix
 - Pressurized structure,corrosion protection,and have a longevity of service.
 - Contact resistance is small,and the temperature of cord grip is low.
 - It's connected with different pathway lead, and it's useful.
 - Insulating property is wonderful,1kv withstand voltage is bigger than 4kv, 10kv withstand voltage is bigger than18kv.

The installation of single screw puncture clamp



IKV IBolt Insulation Piercing Connector

Product type and application scope



Type	Equivalent Type	Main Section(mm ²)	Branch Section(mm ²)	Nominal Current(A)	Torque(Nm)
JBCC	JJC888	0.75-6	0.75-6	41	/
JBC-1	JJC-1	1.5-25	1.5-10	55	10
JBC-2	JJC-2	16-95	1.5-16	55	10
JBC-3A	JJC-3(B)	6-70	4-25	157	15
JBC-3B	JJC-3	16-95	4-50	157	20
JBC-3C	/	35-70	6-35	120	23-25
JBC-4A	JJC-4	16-150	4-50	150	20
JBC-4B	/	16-150	4-50	/	13
JBC-5	JJC-5	25-95	25-95	214	20
JBC-6A	JJC-6	35-150	35-150	316	26
JBC-6B	/	35-150	35-150	316	26
JBC-6C	/	35-150	35-150	316	26
JBC-7	JJC-7	120-240	25-120	276	35
JBC-8	/	150-240	10-25	102	35

IKV 2Bolt Insulation Piercing Connector

Product type and application scope



Type	Main Section(mm ²)	Branch Section(mm ²)	Nominal Current(A)	Torque(Nm)
JBC-10-70A	16-95	4-70	180	18
JBC-150/35	16-150	4-150	316	18
JBC-150-2P	16-150	16-150	316	26
JBC-150/150	16-150	16-150	316	20
JBC-150/150ST	35-150	35-150	316	26
JBC-240	50-240	50-240	425	32
JBC-3	50-240	50-240	425	23-25
JBC-300	95-300	95-300	425	35
JBC-400	95-400	95-300	425	35

IKV Customized Insulation Piercing Connector

Specifications and technical parameters



Type	Main Section(mm ²)	Branch Section(mm ²)	Nominal Current(A)	Torque(Nm)
JBCTP	16-95	1.5-16	55	10
JBCT-95/50	16-95(bare cable)	4-50	157	15
JBCT95	7-120(bare cable)	25-95	/	/
JBCTU	25-95	25-95	214	/
JBCTU-1	35-70	16-35(bare cable)	120	15
JBCTU-2	50-120	35-70(bare cable)	180	15

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE



JBCF Series IPC

Product type and application scope



Type	Main Conductor Corss-Section (mm ²)	Tap Conductor Corss-Section(mm ²)
JBCF21	10-35	2.5-35
JBCF71	35-95	4-70
JBCF72	35-95	2*4-70
JBCF150-1P	16-150	1.5-95
JBCF150-2P	16-150	2*1.5-95
JBCF150-4P	16-150	4*15.-95
JBCF71(naked cable)	35-95	4-54
JBCF295-2	35-95	2.5-35
JBCF295-3	35-95	2*2.5-35

JBCV Series 1KV Insulation Piercing Connector

Overview

Insulation piercing connector property: It is mainly used for branch connection, and grounding protection for 1KV,10KV and 20KV.

- 1.Simple installation: Put the main wire and the branch wire directly on the right place without wirestripping. Tighten the shear head evenly by wrench.
- 2.Low resistance and low temperature-rise: The special bolts can ensure equal piercing pressure for superior electric contact and less wire damage, so that make sure the normal service life of thepierced wire.
- 3.Sealing structure with good insulation: tight insulated lining and enough compound to ensure theinsulation function in good control when connector used outdoors.

Notice:

- 1.The conductors for installation should be under the connector range.
2. Put on insulated gloves, use insulated wrench during installation.
3. Do not re-use it after dis-assembly as its non-renewable character.



Product type and application scope

Type	Main Section (mm ²)	Branch Section (mm ²)	Max Current	Bolt Quantity	Bolt Size H (mm)	Torquenut
JBCV041	6-35	1.5-10	86	1*M8	13	F1309
JBCV051	16-95	1.5-10	86	1*M8	13	F1309
JBCV101	6-50	2.5(6)-35	200	1*M8	13	F1314
JBCV151	25-95	2.5(6)-36	200	1*M8	13	F1314
JBCV201	35-95	25-95	77	1*M8	13	F1318
JBCV251	50-150	25-95	377	1*M8	13	F1318
JBCV271	35-120	35-120	377	1*M8	13	F1318
JBCV281	50-185	2.5(6)-36	200	1*M8	13	F1314
JBCV401	50-185	50-150	504	2*M8	13	F1318
JBCV431	70-240	16-95	377	2*M8	17	F1720
JBCV441	95-240	50-150	504	2*M10	17	F1725
JBCV451	95-240	95-240	530	2*M10	17	F1725
JBCV551	120-400	95-240	679	2*M10	17	F1737

10KV Insulation Piercing Connector

Product type and application scope



Type	Main Section (mm ²)	Branch Section (mm ²)	Nominal Current (A)	Torque (Nm)
JBCS10-90/70	25-95	16-70	180A	32
JBCS10-120/70	25-120	25-70	180A	20
JBCS10-185/50	95-185	16-50	148A	32
JBCS10-240/150A	95-240	25-150	280A	32
JBCS10-240/240	50-240	50-240	376A	37

General of Insulation Piercing Connector (IPC)

- 1.Piercing connector, simple installation, need not strip the cable coat.
- 2.Moment nut, piercing pressure is constant, keep good electric connection and make no damage to lead.
- 3.Selfseam frame, waterproof, wet proof, and anti-corrosion, extend the using life of insulated lead and connector.
- 4.Adopted special connecting tablet, apply to joint of Cu(Al)and Cu(Al)or Cu and Al.
- 5.Small electric connecting resistance, connecting resistance less than 2.5 times of the resistance of branch.
- 6.Special insulated case body, resistance to illumination and environmental aging, the insulation strengthcan be up to 12kV.
- 7.Arc Surface design, apply to connection with the same(different)diameter, wide connection scope(0.75mm² 2-400mm²/td)

Performance Testing

- 1.Mechanical performance: the grip force of the wire clamp is 1/10 bigger than the break force of the lead,it complys with EN50483.
- 2.Temperature rise performance: under the condition of big current, the temperature rise of connector is less than that of connection lead.
- 3.Heat circle performance: conforms to GB/T2317.3-2000,the heat circle trial standard for electric fitting
- 4.Waterproof insulation performance: conforms to the relevant testing requirements in part 2 of GB/T13140.4-1998.
- 5.Resistance to corrosion performance: under the condition of acid and salt fog, it can do three times offourteen days circle testing.
- 6.Environmental aging performance: under the circumstance of ultraviolet, radiation, dry and moist, exposeit with change of temperature and heat impulse for six weeks.
- 7.Fire-proof performance: insulation material of the connector withstands glowing filament test. Conform to the requirement in chapter 4-10 of GB/T5169.4

End cap

Material: Piastis

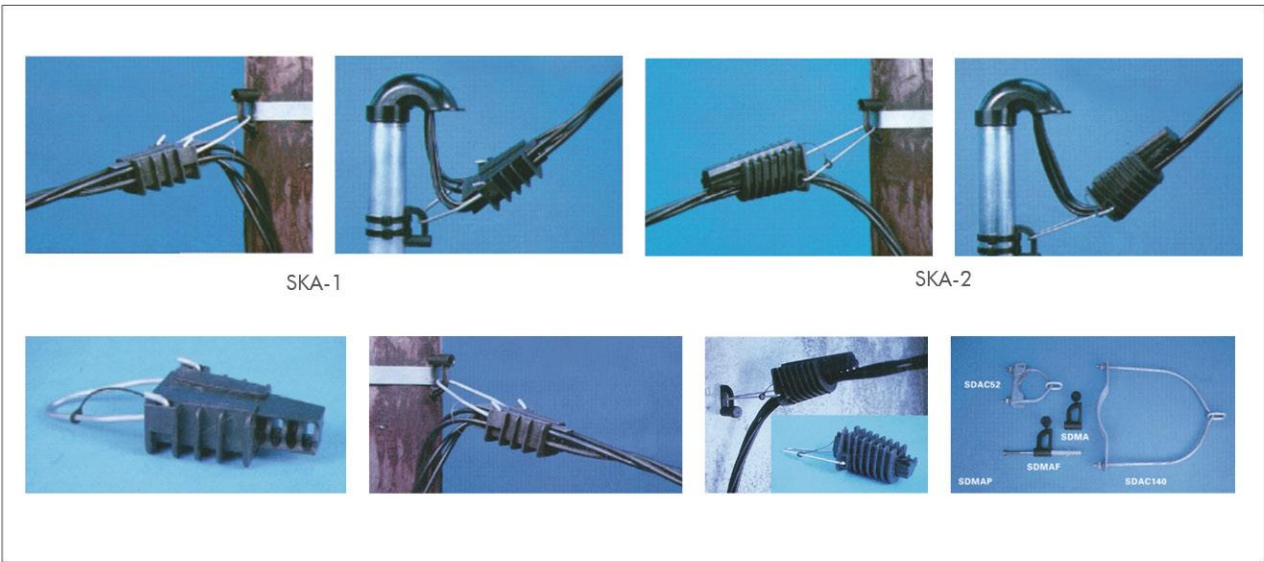
Product property:It is used to waterproof and insulate the end of the conducotr(0.6/1kV).



Type	Conductor Cross-section (mm ²)
PC6-35	6-35
PC35-70	35-70
PC70-95	70-95
PC95-120	95-120
PC120-185	120-185

LV ABC Aerial Electrical Fittings

Anchoring clamp



Plastic Tension Clamp

The tension clamp is designed for LV ABC Cables.

-Standard: NFC33-042



Type	Cross Section(mm ²)	Breaking Load(KN)
PA-903	25-70/2*10-25	1.5
PA-25S	4*16-25	3.5
PA-435A	4*16-35	2.5
PA-901	4*10-25	3



Type	Cross-section(mm ²)
STA	1×10/1×16
STB	2×16/2×25
STC	4×16/4×25
STD	1×16/1×70
LA1	4×16/4×25
LA2	2×6/2×16

Type	Cross-section(mm ²)
DCR-1	1×4/1×25
DCR-2	1×4/1×25
2.1	16-25
PA1500	25-50
PA2000	54.6-70

Plastic Tension Clamp

The tension clamp is designed for service line with 2 or 4 conductors.

-Clamp body is made of high mechanical strength and weather resistant insulation material.

-Standard: NFC33-042



Type	Cross-section(mm ²)	Breaking Load(KN)
PA4/6-35	4*16-35	2.5
PA2-25	2*16-25	2.5
PA4-25	4*16-25	2.5
PA4/50	4*16-50	2.5



The tension clamp is designed for service line with 1 conductor.

-Clamp body is made of high mechanical strength and weather resistant insulation material.

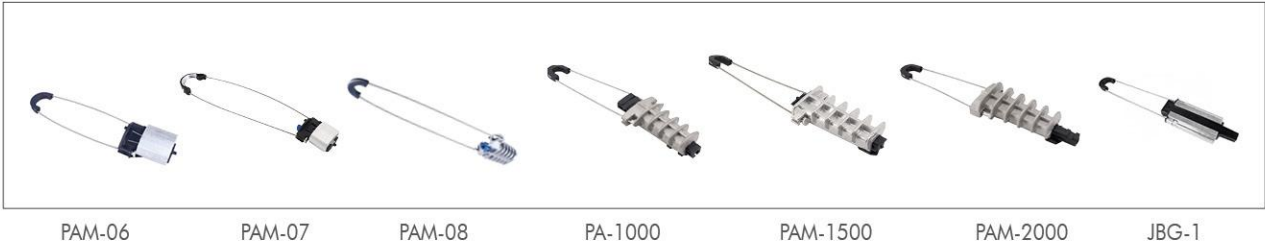
-Special designed clip is used to prevent the bail slipping from the body. Tool free installation.

-Standard: NFC33-042

Type	Cross-section(mm ²)	Messenger DIA(mm)	Breaking Load(KN)
PA16	10-70	6-13	3
PA16-95	4-120	4-16	2.5
PA25	6-25	4-8	3.5
PA50	10-50	6-11	6
PA70	25-70	8-14	8

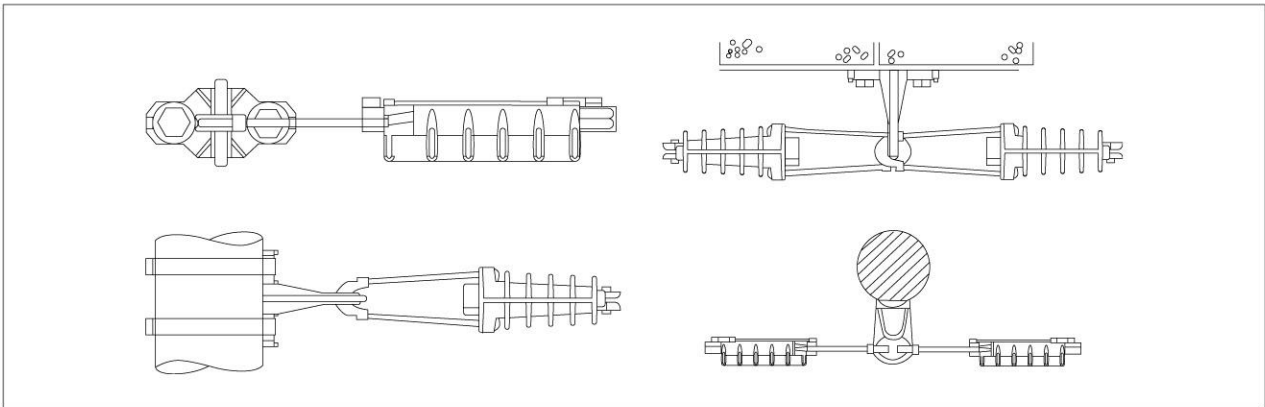
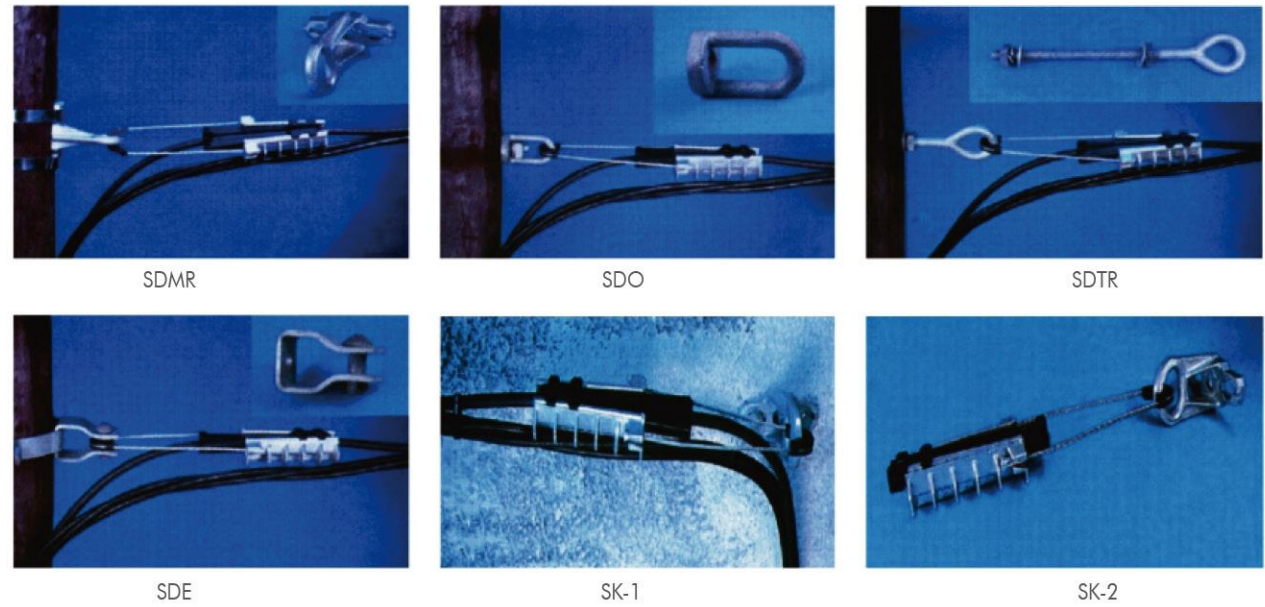
Anchoring Clamp

They are characterized by high mechanical stability, reduced dimensions for easier handling, high mechanical and cimatic resistance. Cable gripping device in insulating material ensures the double insulation of the neutral core and avoids damage to sheath, secured parts, no tools required. Stainless steel bail with two marbles compressed on the end, the conception allows an easier locking on the body of the clamp. They are in accordance with NFC 33-041.



Material: High strength aluminium alloy, nylon plus fiber glass, stainless steel.

Type	Cross-section(mm ²)
PAM-06	16-20
PAM-07	16-25
PAM-08	16-25
PAM1000	25-35
PAM1500	35-70
PAM2000	70-120
JBG-1	50-70



NXJ,Tension Clamp

NXJ series is suitable for strain camp 20KV or below JKLYJ wire.

Structure Feature

- The body is made of hith-strength aluminum alloy.
- Smooth surface long servile life.
- Easy installation.
- No waste electric energy.



Type	Applicable wire nominal cross-section(mm ²)	Maindimensions(mm)		Grip(kN)	Nominal Breaking Load(KN)
		L	R		
NXJL-1	35-50	305	16.5	4.6	7.4
NXJL-2	70-95	335	16.5	9.0	14.5
NXJL-3	120-150	365	21	13.7	22.1
NXJL-4	185-240	385	21	22.6	36.5



Type	Applicable wire nominal cross-section(mm ²)	Maindimensions(mm)			Grip(kN)	Nominal Breaking Load(KN)
		L	C	M		
NXJG-1	35-50	335	18	16	4.6	10.8
NXJG-2	70-95	345	18	16	9.0	18.2
NXJG-3	120-150	400	18	16	13.7	22.1
NXJG-4	185-240	400	18	16	22.6	36.4

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE



NXJP Metal Tension Clamp

The NXJP tension clamp is used to anchor and tighten LV-ABC lines with insulated neutral messenger



Type	Cross Section(mm²)	Messenger DIA(mm)	Breaking Load(KN)
NXJP90-1500	35-70	10-13	12
NXJP90-1500A	25-50	8-11	12



The NXJP tension clamp is designed for service line with 2 or 4 conductors.

Type	Cross Section(mm²)	Messenger DIA(mm)	Breaking Load(KN)
NXJP2/35	2*16-35	7-10	5
NXJP4/35	4*16-35	7-10	5

NXJK Metal Tension Clamp

The NXJK tension clamp is designed for service line with 2 or 4 conductors.



Type	Cross Section(mm²)	Messenger DIA(mm)	Breaking Load(KN)
NXJK160	2*16-35	7-10	5
NXJK161	4*16-35	7-10	5
NXJK/16-35	2*16/4*35	/	12

NXJK,NES Metal Tension Clamp

The tension clamp is designed for service line with 4 conductors.



Type	Cross Section(mm²)	Messenger DIA(mm)	Breaking Load(KN)
NXJK116	4*16-50	7-13	20
NES-1B	4*16-50	7-13	20
NES-2B	4*70-120	13-16	20

1.1 Series Suspension Clamp

The 1.1 series suspension clamp are used to hang LV-ABC cables on poles with the insulated neutral messenger.

Standard: EN50483-3,NFC 33-040



Type	Cross Section(mm²)	Breaking Load(KN)
1.1A	16-95	9
1.1C	25-95	4

PXG 25/120 Suspension Clamp

The PXG 25/120 suspension clamp are used to hang LV-ABC cables on poles with the insulated neutral messenger.

Standard: EN50483-3NFC 33-040



Type	Cross Section(mm²)	Breaking Load(KN)
PXG25/120	4*25-12	10

WXG-94 Suspension Clamp

The WXG-94 suspension clamp are used to hang LV-ABC cables on poles with the bare messenger.

Standard: EN50483-3,NFC 33-040



Type	Cross Section(mm²)	Breaking Load(KN)
WXG-94	16-95	15

WXG-95 Suspension Clamp

The WXG-95 suspension clamp are used to hang LV-ABC cables on poles with the insulated neutral messenger.

- Binding bolt equipped with wing nut allows tool free installaton.

- Standard: EN50483-3,NFC 33-040



Type	Cross Section(mm²)	Breaking Load(KN)
WXG-95	16-95	18

PPXG 25/120 Suspension Clamp

The PPXG 25/120 suspension clamp are used to hang LV-ABC cables on poles with the insulated neutral messenger.

Standard: EN50483-3,NFC 33-040



Type	Cross Section(mm²)	Breaking Load(KN)
PPXG 25-120	4*25-120	13

PSXG Series Suspension Clamp

The PS suspension clamp is designed for the installation and suspension of four core self-supporting LV-ABC cables to poles or walls.

-The clamp is made of hot-dip galvanized steel and weather resistant material

-Equipped with shear head bolt, The clamp can be easily installed without damaging to the cable jacket.

-No loose parts

-Standard: EN 50483-2



Type	Cross Section(mm²)	Breaking Load(KN)
PSXG-435	4*16-35	15
PSXG-470	4*50-70	15
PSXG-4120	4*95-120	15

ESI500, PSI500 Suspension Clamp

The ES1500 and PS1500 suspension clamps are used to hang LV-ABC cables on poles with the insulated neutral messenger

-The anchoring bracket is made of corrosion resistant aluminium alloy.

-The clamp and movable link is made of weather resistant and mechanically reliable insulated polymer. Easy cable installation without tools.

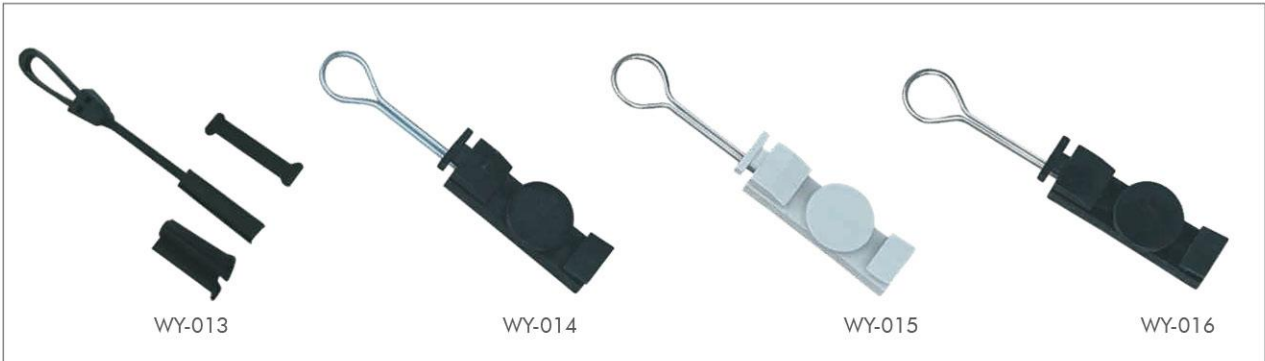
-The neutral messenger is placed in the groove and locked by an adjustable grip device to fit different cable sizes.

-Standard:NFC 33-040EN 50483-3

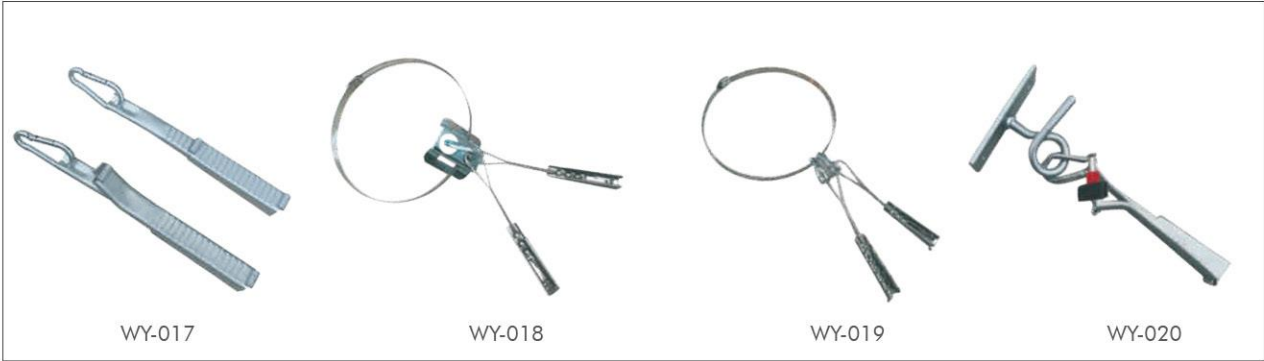


Type	Cross Section(mm²)	Breaking Load(KN)
PS1500	25-95	15
ES1500	25-95	12

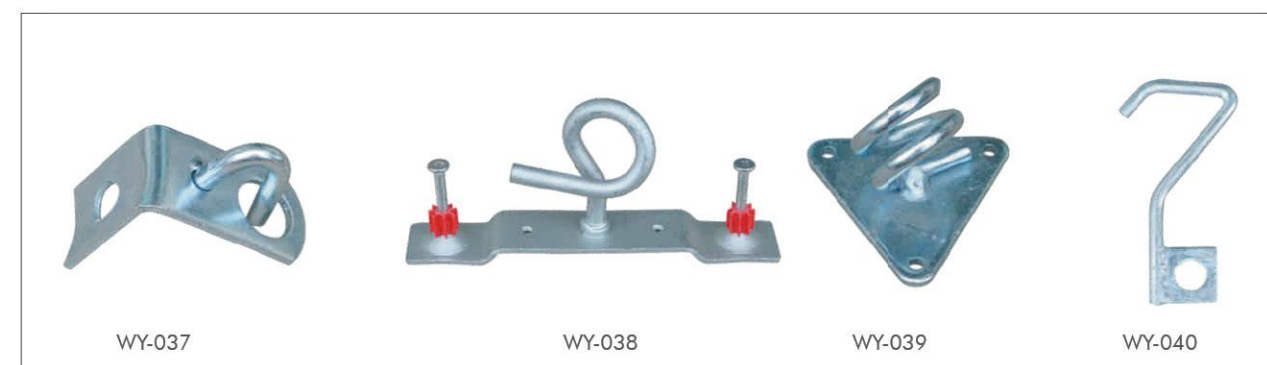
Anchor Clamp Class



Anchor Clamp Class



Anchor Clamp Class



Bracket



Other Fittings



CPTAU, MJPB Pre-Insulated Bimetal Lugs

The CPTAU pre-insulated bimetal lug is used to establish connection between LV-ABC cable and electrical equipments. Palm is made of 99.9% pure copper and sleeve is made of 99.5% pure aluminum

The MJPB pre-insulated connector is designed for service and lighting cables.



Type	Cable Diameter(mm)	Break Load(KN)
W-CS	4-5/5-9	8
W-SSA	4-5/5-9	8
W-D6	4-8	0.3
W-YK01	/	2.5
W-UPB	/	10

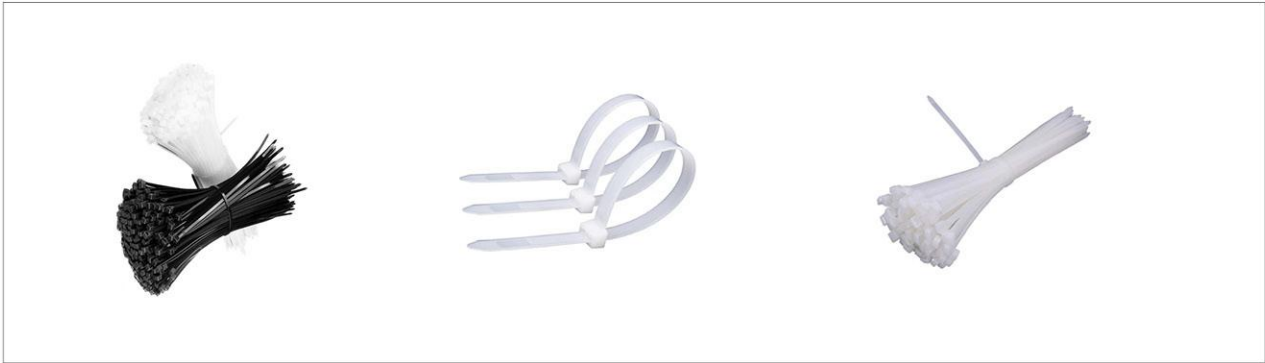
Cable Saddle

- The body and cable tie are made of UV resistant synthetic material.
- The opening under the saddle allows the use of and extra tie (not provided) to install a second conductor.
- Standard: NFC 33-040 and EN 50-483



Type	Wall Distance(mm)	Type
WD-A	3.5	12-47
WD-1	6	15-47
WD-2	4	12-47
WD-3	6	15-47
WD-4	8	/

Nylon Tie Specification Size



Specification	Width	Length	Load Bearing	Qty
3*100	1.9	100	5kg	1000 roods
3*120	1.9	120	5kg	1000 roods
3*150	1.9	150	5kg	1000 roods
3*200	1.9	200	5kg	500 roods
4*150	2.7	150	10kg	500 roods
4*200	2.7	200	10kg	500 roods
4*250	2.7	250	10kg	250 roods
4*300	2.7	300	10kg	250 roods
5*150	3.6	150	16kg	500 roods
5*200	3.6	200	16kg	500 roods
5*250	3.6	250	16kg	250 roods
5*300	3.6	300	16kg	250 roods
5*350	3.6	350	16kg	250 roods
5*400	3.6	400	16kg	250 roods
5*500	3.6	500	16kg	250 roods
8*200	5.2	200	35kg	250 roods
8*250	5.2	250	35kg	250 roods
8*300	5.2	300	35kg	250 roods
8*350	5.2	350	35kg	250 roods
8*400	5.2	400	35kg	250 roods
8*500	5.2	500	35kg	250 roods
10*400	9	400	50kg	100 roods
10*500	9	500	50kg	100 roods
10*1200	9	1200	50kg	100 roods

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

Stainless steel ties



Size(W*L)	Size(W*L)	Size(W*L)	Size(W*L)	Size(W*L)
4.6*100mm	8*150mm	10*150mm	12*150mm	16*250mm
4.6*160mm	8*175mm	10*200mm	12*200mm	16*300mm
4 6*200mm	8*200mm	10*250mm	12*250mm	16*350mm
4.6*250mm	8*250mm	10*300mm	12*300mm	16*400mm
4.6*300mm	8*300mm	10*350mm	12*350mm	16*450mm
4 6*350mm	8*350mm	10*400mm	12*400mm	16*500mm
4.6*400mm	8*400mm	10*450mm	12*450mm	16*550mm
4.6*450mm	8*450mm	10*500rrm	12*500rrm	16*600mm
4.6*500mm	8*500mm	10*550rrm	12*550rrm	16*650mm
4.6*550mm	8*550mm	10*600mm	12*600mm	16*700mm
4 6*600mm	8*600mm	10*650mm	12*650mm	16*750mm
4.6*650mm	8*650mm	10*700mm	12*700mm	16*800mm
4.6*700mm	8*700mm	10*750mm	12*750mm	16*850mm
4.6*750mm	8*750mm	10*800mm	12*800mm	16*900mm
4.6*800mm	8*800mm	10*850mm	12*850mm	16*950mm
4.6*850mm	8*850mm	10*900mm	12*900mm	16*1000mm
4.6*900mm	8*900mm	10*950mm	12*950mm	16*1050mm
4 6*950mm	8*950mm	10*1000mm	12*1000mm	16*1100mm
4.6*1000mm	8*1000mm	10*1050mm	12*1050mm	16*1200mm
4.6*1050mm	8*1050mm	10*1100mm	12*1100mm	16*1300mm
4.6*1100mm	8*1100mm	10*1200mm	12*1200mm	16*1400mm
4.6*1200mm	8*1200mm	10*1300mm	12*1300mm	16*1500mm
4.6*1300mm	8*1300mm	10*1400mm	12*1400mm	
4.6*1400mm	8*1400mm	10*1500mm	12*1500mm	
4.6*1500mm	8*1500mm			



size(W*L)	size(W*L)	Punch length(mm)	Bundle diameter(mm)
12.5*200	14*200	100	34-53
12.5*300	14*300	210	34-85
12.5*400	14*400	320	34-117
12.5*500	14*500	410	34-149
12.5*600	14*600	510	34-181
12.5*700	14*700	610	34-212
12.5*800	14*800	710	34-244
12.5*900	14*900	810	34-276
12.5*1000	14*1000	910	34-308
12.5*1100	14*1100	1000	34-340
12.5*1200	14*1200	1000	66-372
12.5*1300	14*1300	1000	98-404
12.5*1400	14*1400	1000	130-435
12.5*1500	14*1500	1000	162-467
12.5*1600	14*1600	1000	194-499
12.5*1700	14*1700	1000	225-531
12.5*1800	14*1800	1000	257-563
12.5*2000	14*2000	1000	321-626
12.5*2200	14*2200	1000	417-690
12.5*2300	14*2300	1000	417-722
12.5*2500	14*2500	1230	417-786
12.5*3000	14*3000	1540	480-945
12.5*3500	14*3500	1540	638-1100
12.5*4000	14*4000	1540	798-1260



Band Strap Installation



1. Cut a length of stainless steel cable tie according to the actual use, put the buckle to one end of the cable tie and reserve a length of about 5cm.



2. Bend the reserved cable tie to fix the stainless steel buckle.



3. Put the other end of the stainless steel cable tie as the picture shows, and set aside a Wcm for the tool to use when tightening the cable tie.



4. Tie the straps with the strap presser and start to shake the straps slowly to tighten the straps to ensure that the straps are tight.



5. When the cable tie is tightened, fold the whole of the tight belt back, and then pull the handle of the utility knife blade to cut off the cable tie.



6. Hammer the two corners of the buckle with a hammer to catch the last reserved tie head.



Teeth Buckle



L Type Buckle

Type	Width		Thickness
	Lnch	(mm)	
WY-NB6.4	1/4	6.4	0.8
WY-NB10	3/8	9.5	1.0
WY-NB12.7	1/2	12.7	1.2
WY-NB16	5/8	16	1.2
WY-NB20	3/4	19	1.5

Type	Width		Thickness
	Lnch	(mm)	
WY-NC6.4	1/4	6.4	0.7
WY-NC10	3/8	9.5	0.7
WY-NC12.7	1/2	12.7	0.8
WY-NC16	5/8	16	0.8
WY-NC20	3/4	19	1.0

Stainless Steel Strap & Cable Ties

Main features

1. Stainless steel has good anti-corrosion and anti-oxidation functions, and different grades of stainless steel can adapt to various environments;
2. The surface of the steel strip is marked with a metric mark every 10cm. The user can use the mark to accurately measure the required length, improve construction efficiency and reduce waste.
3. It needs to be used with stainless steel buckles. It can be used in various sizes for different environments and tension requirements. In theory, it can provide up to 1.5 tons of bundle tension.
4. Usually use economical carton packaging, users can also choose portable plastic box packaging, easy to carry out emergency maintenance and high-altitude operation of the facility.



Width		Thickness		Breaking load	Package
Lnch	(mm)	Lnch	(mm)		
1/4	6.4	0.02	0.5	500	30m/roll
3/8	9.5	0.025	0.64	900	
1/2	12.7	0.03	0.76	1500	
5/8	16	0.03	0.76	1875	
3/4	19	0.03	0.76	2250	



Width		Thickness		Breaking load	Package
Lnch	(mm)	Lnch	(mm)		
1/4	6.4	0.028	0.7	500	30m/roll
3/8	9.5	0.028	0.7	900	
1/2	12.7	0.028	0.7	1500	
5/8	16	0.028	0.7	1875	
3/4	19.01	0.028	0.7	2250	



JBL、JBT、JBTL series parallel groove clamp specific form and insulation cover(1kV, 10kV, 20kV)

Application

JBL,JBT,JBTL series specific forms parallel groove clamp is suitable for unendure force splicing and branch on the aerial wire.being used with insulation cover. It's action is insulation protection

Structure Feature

- Select oxidize-resistance aluminium alloy.
- All pars connected with each other,it can't lose parts during installation.
- An arc embraces the most part,conductor can't change.

Insulation Cover Performance Feature

- 1~10kV products with stand voltage: ≥ 18kV keep voltage one minute not breakdown;
- 20kVproducts with stand voltage: ≥ 30kV keep voltage one minute not breakdown;
- nsulation resistance: 1.0×10¹⁴Ω;
- Environment temperature: -30℃ ~+90℃ ;
- Weather proof performance: have good performed after 1008 hours artifical climate aging test.

Specification and Technical Data

Name	Type	Conductor(mm ²)
Specific form atuminium parallel groove clamp	JBL-6~35	6~35
	JBL-16~70	16~70
	JBL-35~120A	35~120
	JBL-35~120B	
	JBL-50~240A	50~240
	JBL-50~240B	
	JBL-120-400A	120~400
	JBL-120-400B	
Specific form copper paralalled groove clamp	JBT-10~70	10~70
	JBT-35~120	35~120
	JBT-50~240	50~240
Specific form Cu-Al paralalled groove damp	JBTL-10~70	10~70
	JBTL-35~120	35~120
	JBTL-50~240	50~240

Shaped aluminum and groove clamp (special railway)

Type	Conductor (mm ²)	Dimensions					Type
		L	B	H	M	Number of bolts	
JBL-6-70	6~70	44	36	45	M8	2	PGA102
JBL-25-120	25~120	55	45	50	M8	2	PGA402
JBL-25-120	25~120	85	45	50	M8	3	PGA403
JBL-50-300	50~300	55	62	70	M10	2	PGA602
JBL-50-300	50~300	85	62	70	M10	3	PGA603

Note: A-two bolts, B-three bolts .

APG PG Clamp



Material:The main body is made of aluminum, and the bolt is hot-dip galvanized steel

CAPG PG Clamp



Material:The body is made of aluminum and copper, and the bolt are hot-dip galvanized steel



APG, Aluminum Parallel Groove Connector

The APG parallel groove clamps are designed to connect two aluminum conductors. Advanced forging technology enhances the mechanical strength of the clamp.

- APG series products are applicable for 30KV and below.
- Special designed screw hole and arc shape of the body allow clamp to adjust to different cable size on each side.
- Clamp body is made of aluminum with excellent electrical conductivity.
- Gross-grooved clamp channels enhance both mechanical pull out strength and electrical conductivity.
- Materials of bolt and nut are depend on customer request. Options include hot- dip galvanized steel and stainless steel. Pressure pad is applied to achieve uniform pressure along the clamp.



Type	Conductor cross-section(mm²)	Bolts
APG-A1	AL16-70	1*M8
APG-A2	AL16-150	1*M8
APG-B1	AL16-35	2*M8
APG-B2	AL16-70	2*M8
APG-B3	AL16-150	2*M8
APG-B4	AL25-185	2*M10
APG-C1	AL16-70	3*M8
APG-C2	AL16-150	3*M8
APG-C3	AL25-240	3*M10
APG-C4	AL35-300	3*M10

YAPG, Bimetal ParallelGroove Connector

The YAPG parallel groove clamps are designed to connect aluminum conductors and copper conductors. Advanced forging technology enhances the mechanical strength of the clamp.

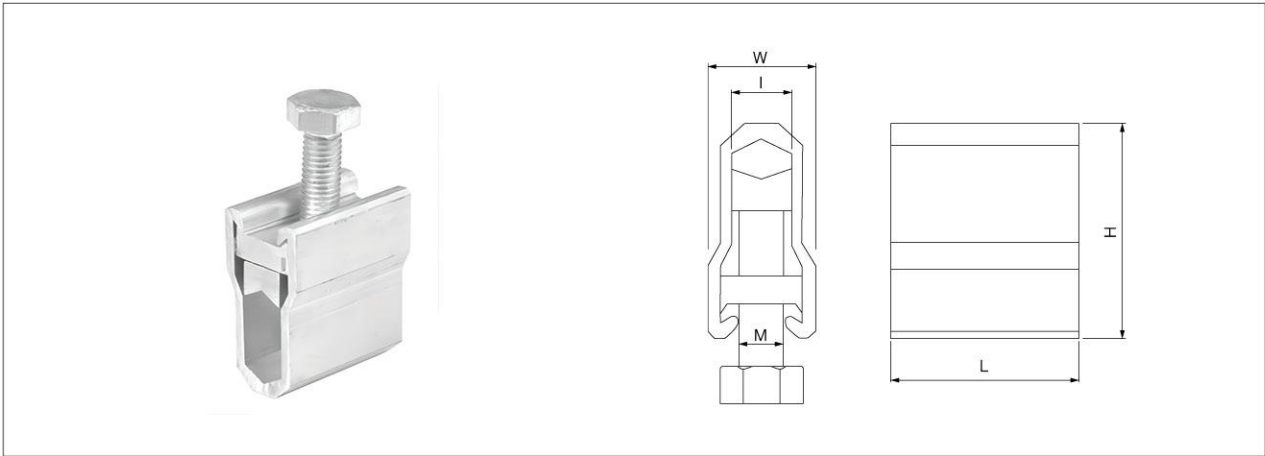
- YAPG series products are applicable for 30KV and below.
- Special designed screw hole and arc shape of the body allow clamp to adjust to different cable size on each side.
- Materials of bolt and nut are optional depend on customer request. Options include hot-dip galvanized steel and stainless steel. Pressure pad is applied to achieve uniform pressure along the clamp.



Type	Conductor cross-section(mm²)	Bolts
YAPG-A1	Cu6-50/A116-70	1*M8
YAPG-A2	Cu10-95/A125-150	1*M8
YAPG-B1	Cu6-50/A116-70	2*M8
YAPG-B2	Cu10-95/A125-150	2*M8
YAPG-B3	Cu25-185/A135-200	2*M10
YAPG-C1	Cu6-50/A116-70	3*M8
YAPG-C2	Cu10-95/A125-150	3*M8
YAPG-C3	Cu25-185/A135-240	3*M10
YAPG-C4	Cu35-240/A135-300	3*M10

Aluminium Line Tap Connector

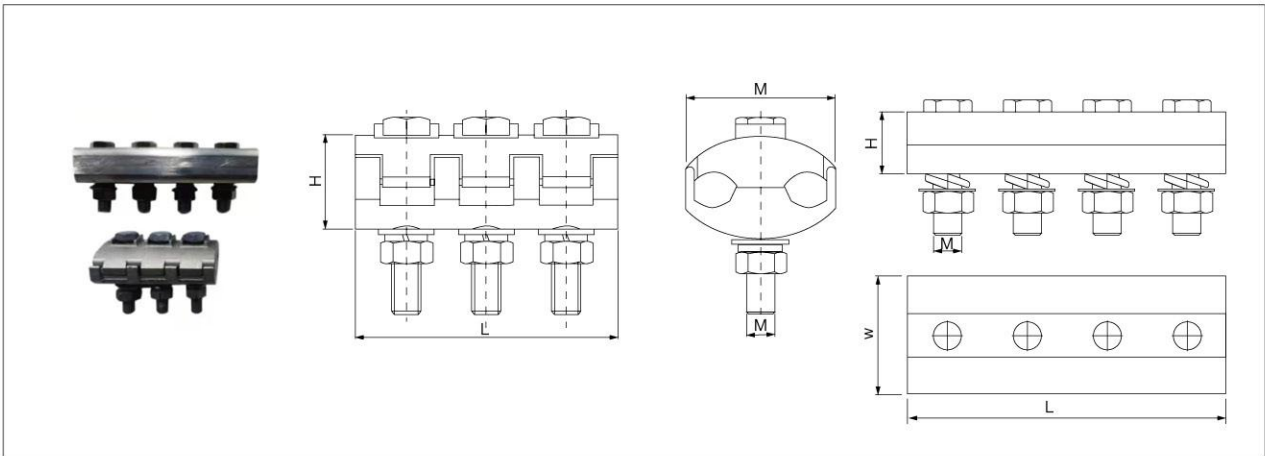
Material:Aluminium



Type	Dimension(mm)				
	M	L	W	H	I
50mm ²	8	U	22	42	10
100mm ²	12	48	29	58	15

Aluminium PG Clamp

Material:The main body is made of aluminum, and the bolt is hot-dip galvanized steel or Stainless steel



Type	Dimension(mm)				
	L	W	H	M	No.of bolt
25-70mm ²	75	40	20	10	2
70-150mm ²	98	54	34	10	3
Up-to300mm ²	160	60	32	14	4

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

Terminal connector

Application

TerminAl connectors are used to connect tap conductor to power equipments (transformer,circuit breaker,disconnet switch.etc)or to wAll bushing of substation,Aluminum connectors are Also used to connect the lap conductor of T-connector.The connectors inclede compressive-type and bolted,both types have angle of 0°、 30° and90° with the direction of tap conductor.

DTL series Al-Cu connection terminAl is suitable for transition joint of distribution device Aluminium core cable and electric equipment. DL Aluminium is used for Aluminium terminAl linking of Aluminium core cable and electric equipment.DT copper terminAl is used for copper terminAl electric equipment,DT copper terminAl is used for copper terminAl linking of copper core cable and electric equipment,The products adopt friction welding workmanship,Our company supplies Cu-Al terminAl and wire clamp made by explosive wedling technique.The products have features as high welding strength,excellent electric property, resistance to gAlvanic corrosion, long service lifer never fracture,high safety, etc



SC(WGA)Cable Lugs

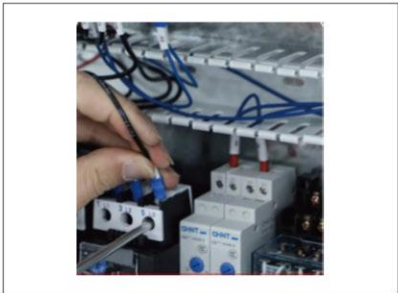
- Material: Cu ≥ 99.9%
- Surface: electrolytic tinning
- Application: low voltage, indoor



Installation tool



Installation effect

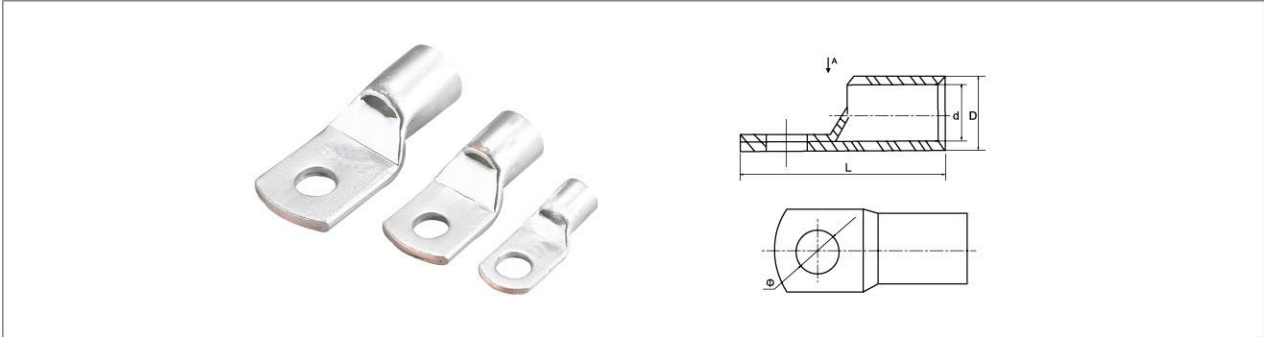


Installation scene

Type	Dimension (mm)			
	Φ	D	d	L
SC(WGA)-1. 5	Φ4.2,Φ5.2	3.5	1.8	18
SC(WGA)-2. 5	Φ4.2,Φ5.2,Φ6.2	4	2.5	19
SC(WGA)-4	Φ5.2,Φ6.2	4.8	3. 1	21
SC(WGA)-6	Φ5.2,Φ6.2,Φ8.2	5.5	3.8	24
SC(WGA)-10	Φ6.2,Φ8.2	6.8	4.8	25.5
SC(WGA)-16	Φ6.2,Φ8.2,Φ10.5	7.5	5.5	30.5
SC(WGA)-25	Φ6.2,Φ8.2,Φ10.5	9	7	34
SC(WGA)-35	Φ6.2,Φ8.2,Φ10.5, Φ12. 5	10.5	8.2	38
SC(WGA)-50	Φ8.2,Φ10.5, Φ12.5	12.5	9.8	45
SC(WGA)-70	Φ8.2,Φ10.5, Φ12.5	14.5	11.5	50
SC(WGA)-95	Φ10.5, Φ12.5	17.5	13.8	55.5
SC(WGA)-120	Φ12.5, Φ16.5	19.5	15.5	63
SC(WGA)-150	Φ12.5, Φ16.5	21	16.5	71
SC(WGA)-185	Φ16.5	23.5	18.8	78
SC(WGA)-240	Φ16.5	26.5	21	92
SC(WGA)-300	Φ16.5, Φ20.5	30	24	102
SC(WGA)-400	Φ16.5, Φ20.5	34	26.5	113
SC(WGA)-500	Φ16.5, Φ20.5	38	30	123
SC(WGA)-630	Φ20.5	45	35	135
SC(WGA)-800	Φ22.5	50	39	170
SC(WGA)-1000	Φ22.5	56	44	200

SC(WGK)Cable Lugs

- Material: Cu ≥ 99.9%
- Surface: electrolytic tinning
- Application: low voltage, indoor



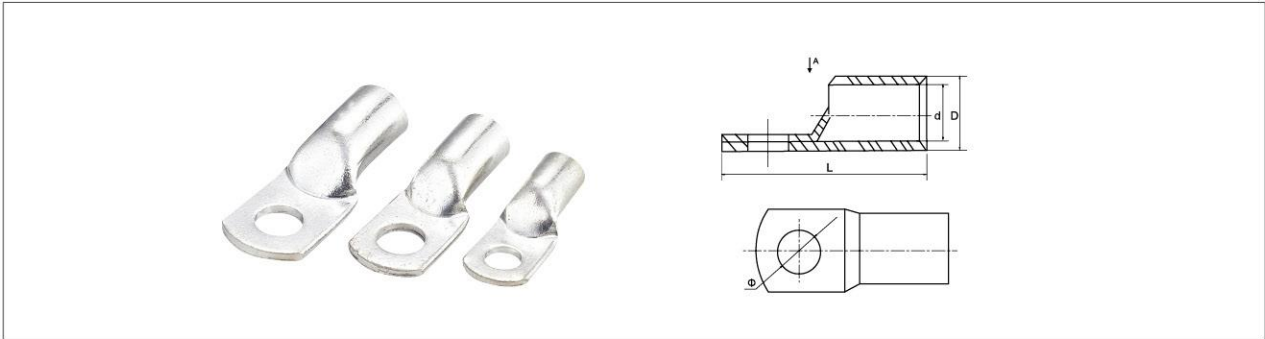
Type	Dimension (mm)			
	Φ	D	d	L
SC(WGK)-1. 5	Φ4.2,Φ5.2	3.5	1.8	18
SC(WGK)-2. 5	Φ4.2,Φ5.2,Φ6.2	4	2.5	19
SC(WGK)-4	Φ5.2,Φ6.2	4.8	3. 1	21
SC(WGK)-6	Φ5.2,Φ6.2,Φ8.2	5.5	3.8	24
SC(WGK)-10	Φ6.2,Φ8.2	6.8	4.8	25.5
SC(WGK)-16	Φ6.2,Φ8.2,Φ10.5	7.5	5.5	30.5
SC(WGK)-25	Φ6.2,Φ8.2,Φ10.5	9	7	34
SC(WGK)-35	Φ6.2,Φ8.2,Φ10.5, Φ12. 5	10.5	8.2	38
SC(WGK)-50	Φ8.2,Φ10.5, Φ12.5	12.5	9.8	45
SC(WGK)-70	Φ8.2,Φ10.5, Φ12.5	14.5	11.5	50
SC(WGK)-95	Φ10.5, Φ12.5	17.5	13.8	55.5
SC(WGK)-120	Φ12.5, Φ16.5	19.5	15.5	63
SC(WGK)-150	Φ12.5, Φ16.5	21	16.5	71
SC(WGK)-185	Φ16.5	23.5	18.8	78
SC(WGK)-240	Φ16.5	26.5	21	92
SC(WGK)-300	Φ16.5, Φ20.5	30	24	102
SC(WGK)-400	Φ16.5, Φ20.5	34	26.5	113
SC(WGK)-500	Φ16.5, Φ20.5	38	30	123
SC(WGK)-630	Φ20.5	45	35	135
SC(WGK)-800	Φ22.5	50	39	170
SC(WGK)-1000	Φ22.5	56	44	200

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE



SC(WGB)Cable Lugs

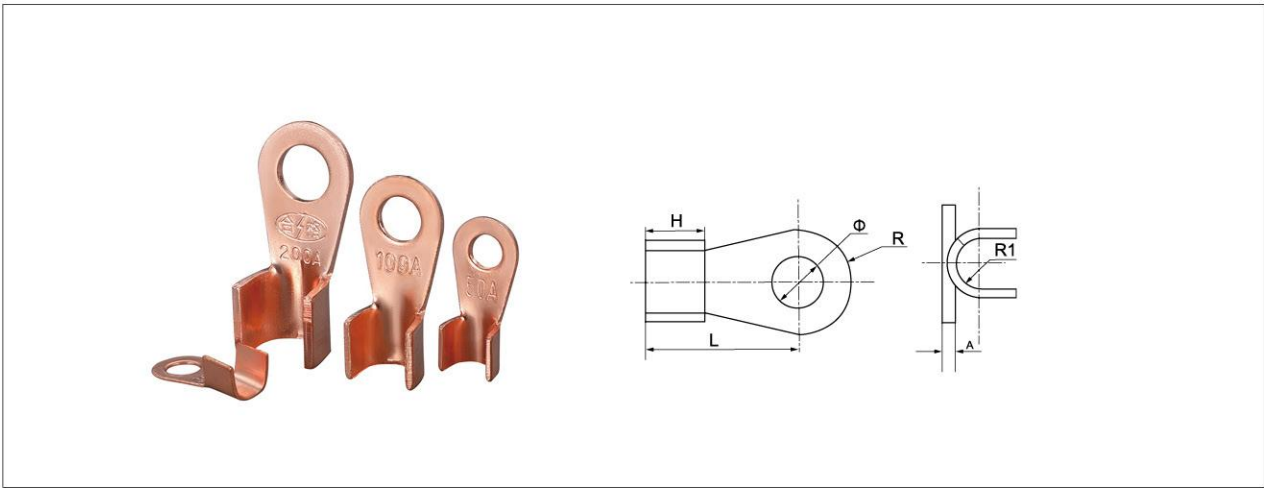
- Material: Cu ≥ 99.9%
- Surface: electrolytic tinning
- Application: low voltage, indoor



Type	Dimension (mm)			
	Φ	D	d	L
SC(WGB)-1.5	Φ4.2,Φ5.2	3.5	1.8	18
SC(WGB)-2.5	Φ4.2,Φ5.2,Φ6.2	4	2.5	19
SC(WGB)-4	Φ5.2,Φ6.2	4.8	3.1	21
SC(WGB)-6	Φ5.2,Φ6.2,Φ8.2	5.5	3.8	24
SC(WGB)-10	Φ6.2,Φ8.2	6.8	4.8	25.5
SC(WGB)-16	Φ6.2,Φ8.2,Φ10.5	7.5	5.5	30.5
SC(WGB)-25	Φ6.2,Φ8.2,Φ10.5	9	7	34
SC(WGB)-35	Φ6.2,Φ8.2,Φ10.5, Φ12.5	10.5	8.2	38
SC(WGB)-50	Φ8.2,Φ10.5, Φ12.5	12.5	9.8	45
SC(WGB)-70	Φ8.2,Φ10.5, Φ12.5	14.5	11.5	50
SC(WGB)-95	Φ10.5, Φ12.5	17.5	13.8	55.5
SC(WGB)-120	Φ12.5, Φ16.5	19.5	15.5	63
SC(WGB)-150	Φ12.5, Φ16.5	21	16.5	71
SC(WGB)-185	Φ16.5	23.5	18.8	78
SC(WGB)-240	Φ16.5	26.5	21	92
SC(WGB)-300	Φ16.5, Φ20.5	30	24	102
SC(WGB)-400	Φ16.5, Φ20.5	34	26.5	113
SC(WGB)-500	Φ16.5, Φ20.5	38	30	123
SC(WGB)-630	Φ20.5	45	35	135
SC(WGB)-800	Φ22.5	50	39	170
SC(WGB)-1000	Φ22.5	56	44	200

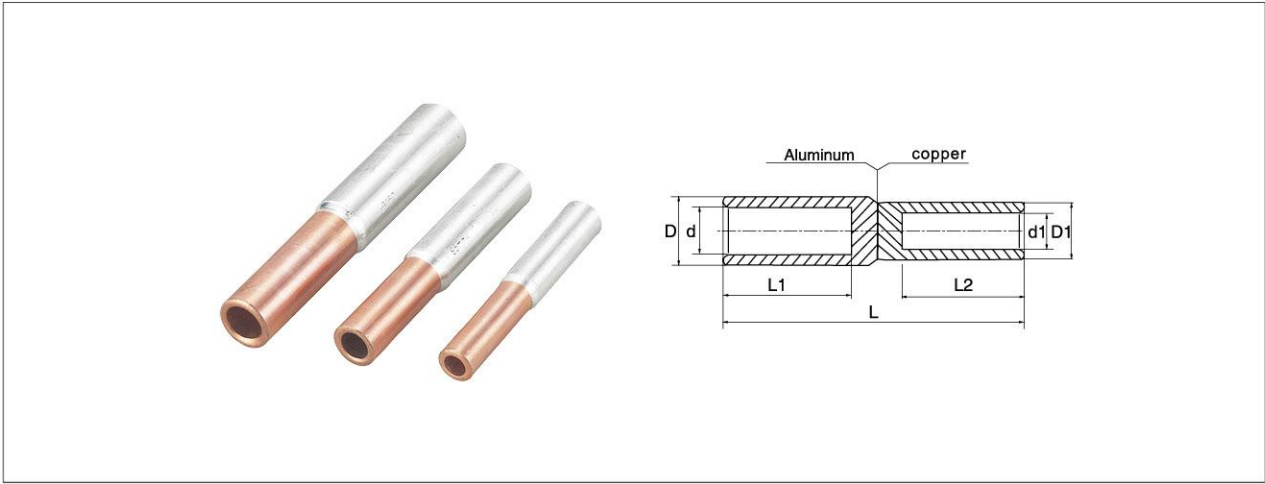
PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

OT Copper connector



Type	Dimension(mm)					
	Dia	H	L	R	R1	A
OT-10A	5.2	6	14.5	4.5	2	0.8
OT-20A	6.2	7	17	5.5	2.2	1
OT-30A	6.2	8.2	19	5.8	3.2	1.2
OT-40A	6.2	9	19.5	6.2	3.5	1.2
OT-50A	6.2	9	21.5	6.5	3.5	1.2
OT-60A	8.2	10	23	7	4	1.4
OT-80A	8.2	11	25	8	4.5	1.5
OT-100A	8.2	12	29	8.5	5	1.5
OT-150A	10.2	12	31	9	5.5	1.6
OT-200A	10.2	14	33	10	6	1.7
OT-250A	10.2	15.5	36	10.5	6.5	2
OT-300A	12.2	16	40	11.5	7	2
OT-400A	14.2	18	43	13	8	2.2
OT-500A	14.2	20	46	14.5	8.5	2.4
OT-600A	16.2	22	50.5	16	10.2	2.8
OT-800A	18.2	26	61	17.5	12.5	3.2
OT-1000A	18.2	33	66	20.5	15.5	3.8

GTL Bimetal Cable Tube

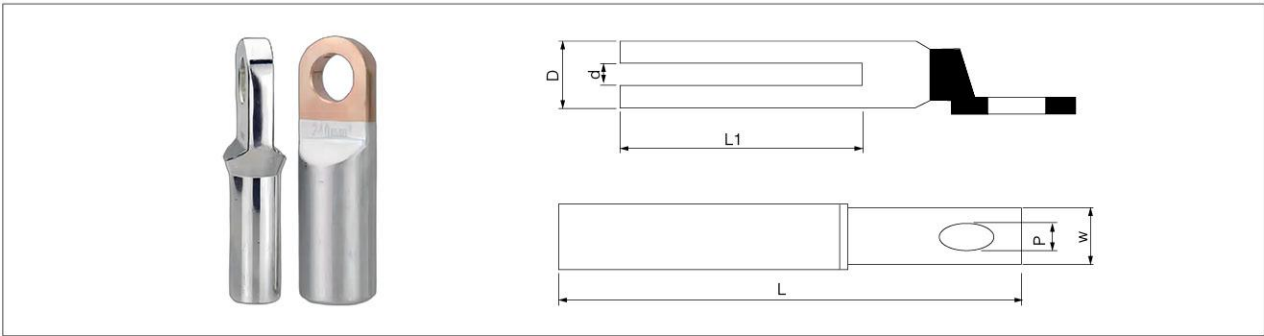


Type	Dimension(mm)						
	d1	D1	d	D	L1	L2	L
GTL-16	5.5	9	6	10	32	20	69
GTL-25	6	10	7	12	34	23	74
GTL-35	7	11	8.5	13	35	26	80
GTL-50	8.5	12	9.7	15	40	27	85
GTL-70	9.7	14	11.5	18	43	33	95
GTL-95	11.5	16	13.5	20	45	35	101
GTL-120	13.5	19	15	23	50	40	112
GTL-150	15	21	16.5	24	53	40	116
GTL-185	16.5	23	18.5	27	58	44	122
GTL-240	18.5	25	21	30	58	45	128
GTL-300	21	27	23	34	65	52	143
GTL-400	23	30	26.5	38	67	50	155
GTL-500	27	34	29.5	42	75	65	165
GTL-600	29	38	34	54	80	70	180

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

DTL-F Square Head Terminal Connector Bimetallic Lug

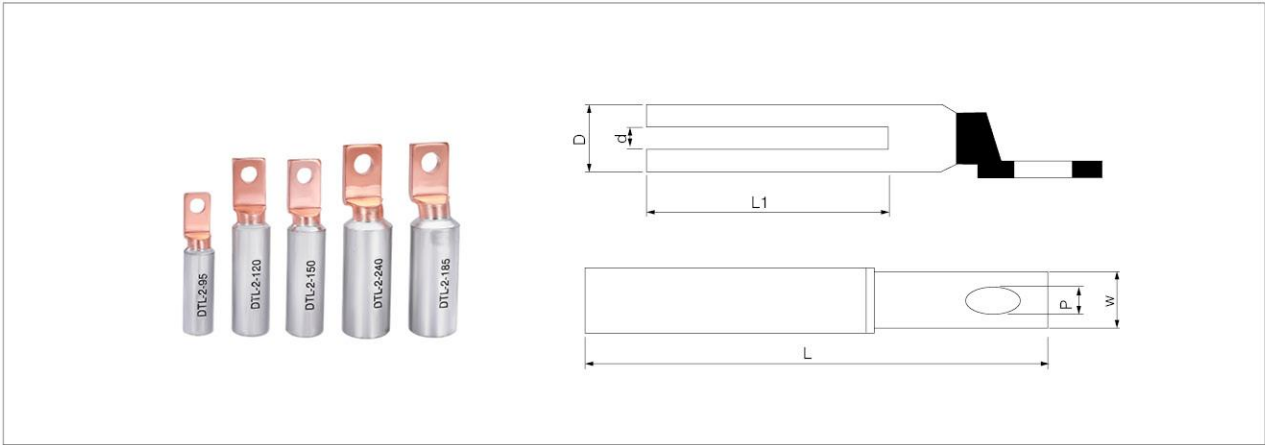
- Suitable for aluminum to copper terminations
- Aluminum barrel is filled by neutral grease and covered by cap
- Friction Welded
- Material:CU ≥ 99. 9%, AL>99. 5%



Type	P+0.3	D±0.5	d±0.3	L±3	L1±0.3	W±0.5	S±0.3
DTL-F-16	Φ8	Φ16	Φ6	87	43	14	4
DTL-F-25	Φ8	Φ17	Φ7	87	43	14	4
DTL-F-3.5	Φ8	Φ18	Φ8.5	87	43	14	4
DTL-F-50	Φ10	Φ20	Φ10	100	50	17	5
DTL-F-70	Φ10	Φ20	Φ11.5	100	50	17	5
DTL-F-9.5	Φ10	Φ20	Φ13.5	100	50	17	5
DTL-F-120	Φ12	Φ25	Φ15	120	63	21	6.2
DTL-F-150	Φ12	Φ25	Φ16.5	120	63	21	6.2
DTL-F-185	Φ12	Φ32	Φ18.5	122	60	25	7.2
DTL-F-240	Φ12	Φ32	Φ21	122	60	25	7.2
DTL-F-300	Φ12	Φ34	Φ23.5	145	65	30	7.2
DTL-F-400	Φ12	Φ40	Φ26	150	70	32	8
DTL-F-500	Φ12	Φ40	Φ30	150	70	32	8

DTL-F Square Head Terminl Connactor Bimtrtallic Lug

CAU BimetalLugs are m-made from the highest quality aluminirum and copper. joined using a friction welding process. The barrels are filled with a jointing compound, which breaks the oxideia layers on the aluminium.



Type	Dimension(mm)						
	P±0.3	D±0.6	d±0.3	L±3	L1±0.3	W±0.5	S±0.3
DTL-F-16	Φ8	Φ16	Φ6	87	43	14	4
DTL-F-25	Φ8	Φ17	Φ7	87	43	14	4
DTL-F-35	Φ8	Φ18	Φ8.5	87	43	14	4
DTL-F-50	Φ10	Φ20	Φ10	100	50	17	5
DTL-F-70	Φ10	Φ20	Φ11.5	100	50	17	6
DTL-F-95	Φ10	Φ20	Φ13.5	100	50	17	5
DTL-F-120	Φ12	Φ25	Φ15	120	63	21	6.2
DTL-F-150	Φ12	Φ25	Φ16.5	120	63	21	6.2
DTL-F-185	Φ12	Φ32	Φ18.5	122	60	25	7.2
DTL-F-240	Φ12	Φ32	Φ21	122	60	25	7.2
DTL-F-300	Φ12	Φ34	Φ23.5	145	65	30	7.2
DTL-F-400	Φ12	Φ40	Φ26	150	70	32	8
DTL-F-500	Φ12	Φ40	Φ30	150	70	32	8

DTL-F Square Head Terminl Connactor Bimtrtallic Lug

MCCB Bi-metal Lug

CAU BimetalLugs are made from the highest quality aluminium and copper. joined using a friction welding process. The barrels are filled with a jointing compound, which breaks the oxideia layers on the aluminium.

Technical Data Conductive Matarlal

Aluminium-99.6%pure

Copper-99.9% pure

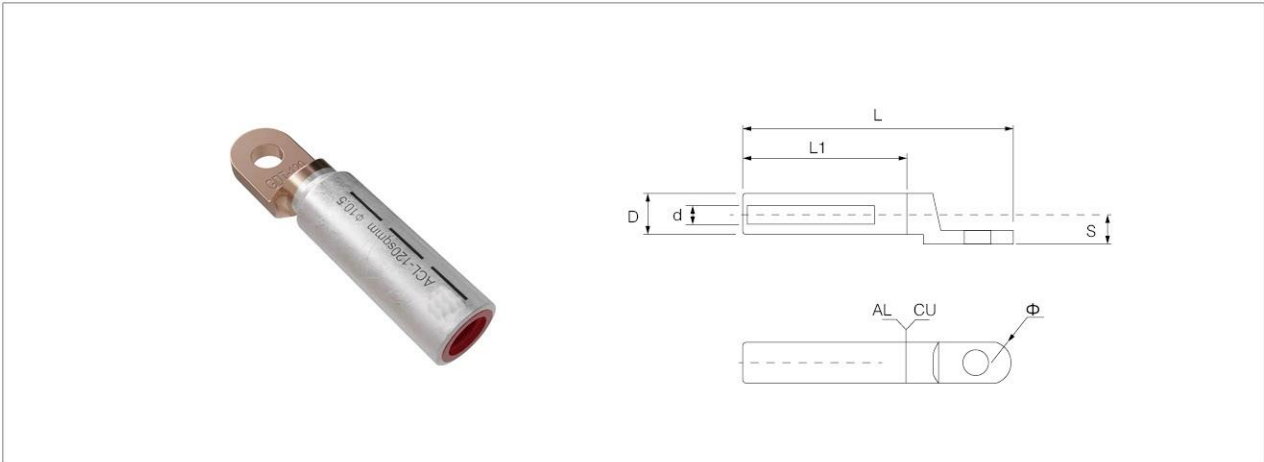
TensilP Strerigth-110MPa

Ductile Rating-28%

Joining Method-Friction Welding

Operating Temperature

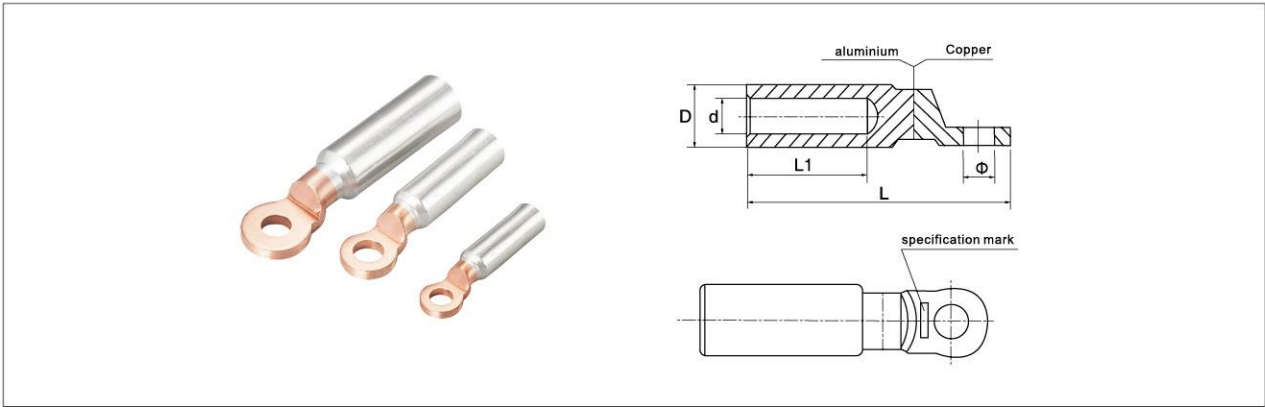
-40℃ to 100℃



Type	Conductor Slze(mm²)	Dlmengion			Stud Slze
		L(mm)	d(mm)	B(mm)	
MCCB10-B	10	40	4.5	10	M8
MCCB16-8	16	40	5.5	10	M8
MCCB25-B	25	45	7.0	13	M8
MCCB35-8	35	51	8.5	14	M8
MCCB50-8	50	87	9.5	16	M8
MCCB70-8	70	95	11.0	16	M8
MCCB95-8	95	102	13.0	20	M8
MCCB120-8	120	105	15.0	20	M8
MCCB150-8	150	112	16.0	22	M8
MCCB150-10	150	112	16.0	22	M10
MCCB150-12	150	112	16.0	22	M12
MCCB185-8	185	121	18.0	25	M8
MCCB185-10	185	121	18.0	25	M10
MCCB185-12	185	121	18.0	25	M12
MCCB240-8	240	124	20.0	28	M8
MCCB240-10	240	124	20.0	28	M10
MCCB240-12	240	124	20.0	28	M12
MCCB300-10	300	133	23.0	30	M10
MCCB300-12	300	133	23.0	30	M12
MCCB300-16	300	133	23.0	30	M16
MCCB400-10	400	142	26.0	32	M10
MCCB400-12	400	142	26.0	32	M12
MCCB400-16	400	142	26.0	32	M16

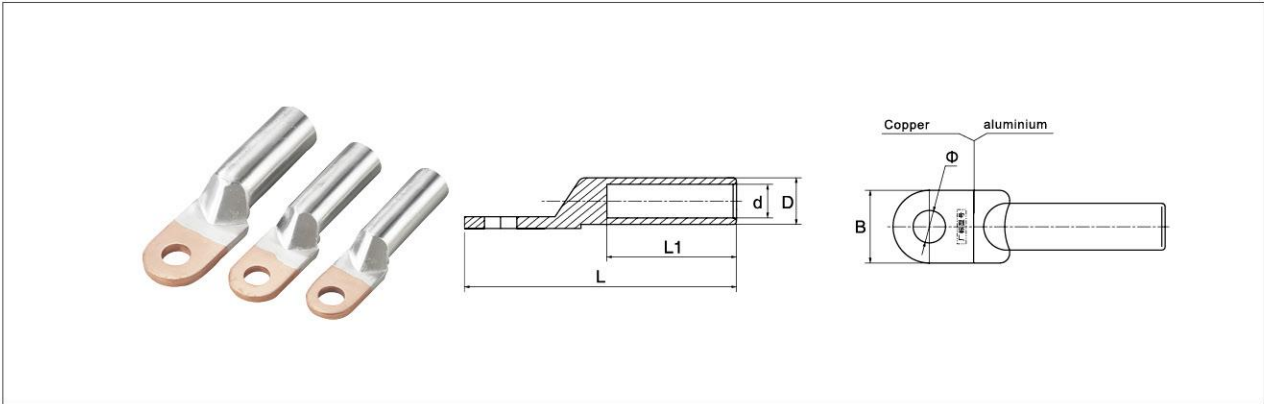
DTL-2 Bimetal Cable Lugs

DTL Series of copper-aluminum bimetal cable lugs are suitable for transition connection of the circular aluminum wires, hemicycle-sector aluminum wires, power supply cables in the distribution equipment and copper terminals of electrical equipment. The material of aluminum and copper is that of L3 and T2 respectively. It has the features of strong weld intensity, good nature in electrification, resistant galvanic corrosion and long service life



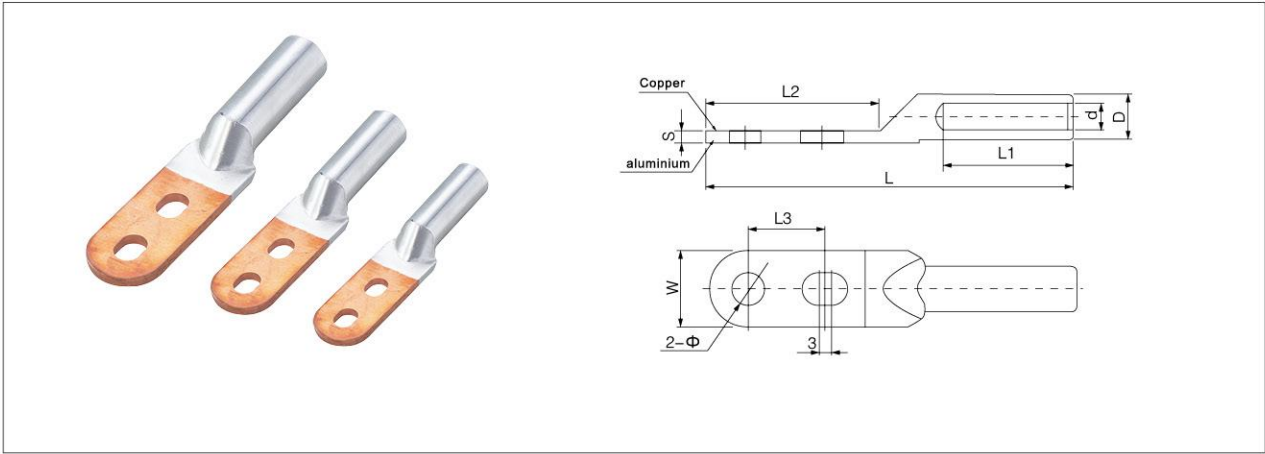
Type	Main dimensions (mm)				
	Φ	D	d	L	L1
DTL-2-16	8.5	16	5.5	90	42
DTL-2-25	8.5	16	6.5	90	42
DTL-2-35	8.5	16	8.5	90	42
DTL-2-50	12.8	20	9.0	90	43
DTL-2-70	12.8	20	11.0	90	43
DTL-2-95	12.8	20	12.5	90	43
DTL-2-120	12.8	25	13.7	118	60
DTL-2-150	12.8	25	15.5	118	60
DTL-2-185	12.8	32	17.0	120	60
DTL-2-240	12.8	32	19.5	120	60
DTL-2-300	12.8	34	22.5	130	62
DTL-2-400	12.8	41	26.5	145	70
DTL-2-500	Square head	47	29.5	200	90
DTL-2-630	Square head	47	34.0	200	90

YDTL Bimetal Cable Lugs



Type	Dimension(mm)					
	Dia	D	d	L	L1	B
YDTL-16	8.5	10	6	70	32	16
YDTL-25	8.5	12	7	75	34	18
YDTL-35	10.5	14	8.5	85	40	20.5
YDTL-50	10.5	16	9.5	90	42	23
YDTL-70	12.5	18	11.5	102	47	26
YDTL-95	12.5	21	13.5	112	50	28
YDTL-120	14.5	23	15	120	53	30
YDTL-150	14.5	25	16.5	126	55	34
YDTL-185	16.5	27	18.5	133	58	37
YDTL-240	16.5	30	21	140	60	40
YDTL-300	21	34	23	165	65	45
YDTL-400	21	38	26	170	70	50
YDTL-500	21	42	29	190	75	60
YDTL-630	/	54	34	225	80	80
YDTL-800	/	60	38	270	90	100

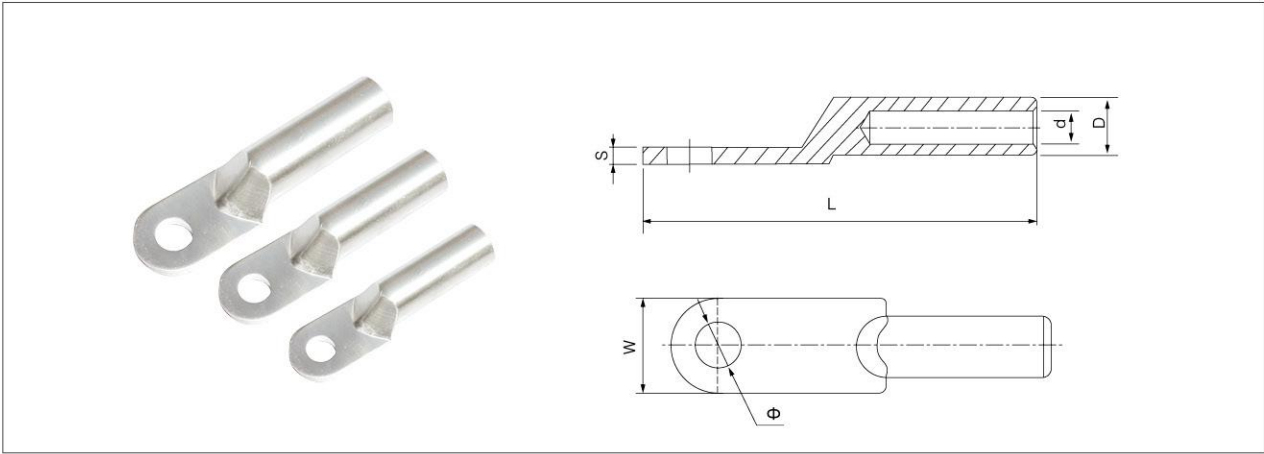
WDTL-S Bimetal Cable Lugs



Type	Dimension(mm)								
	Dia	D	d	L	L1	L2	L3	W	S
WDTL-16S	8.4	10	5.5	90	32	45	20	18	3
WDTL-25S	8.4	12	7	93.5	38	44	20	18	3.2
WDTL-35S	10.5	14	8.5	104	42	48.5	20	20	3.6
WDTL-50S	10.5	16	9.5	112	46	50	20	23	4
WDTL-70S	12.5	18	12	125	47	59	25	26	4.5
WDTL-95S	12.5	21	13	136	53	60	25	28	4.8
WDTL-120S	14.5	23	15	145	55	69	30	30	5.5
WDTL-150S	14.5	25	16	150	55	70	30	34	6
WDTL-185S	14.5	27	18	162	62	76	35	37	6.5
WDTL-240S	14.5	30	20	170	65	78	35	40	7
WDTL-300S	16.5	34	23	190	72	87	40	45	8.5
WDTL-400S	16.5	38	26	195	75	87	40	50	8.5
WDTL-500S	21	42	29.5	225	80	110	45	60	9.5

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

DL Aluminum Cable Lugs



Type	Dimension(mm)					
	Dia	D	d	L	W	S
DL-16	8.4	10	5.5	70	16	3
DL-25	8.4	12	7	75	18	3.5
DL-35	10.5	14	8.5	85	20	3.5
DL-50	10.5	16	9.5	90	23	4
DL-70	12.5	18	12	102	26	4.5
DL-95	12.5	21	13	112	28	5
DL-120	14.5	23	15	120	30	5.5
DL-150	14.5	25	16	126	34	6
DL-185	16.5	27	18	133	37	6.5
DL-240	16.5	30	20	140	40	7.5
DL-300	21	34	23	165	45	8.5
DL-400	21	38	26	170	52	9.5
DL-500	21	42	29	190	60	10

Bi-metal Lug

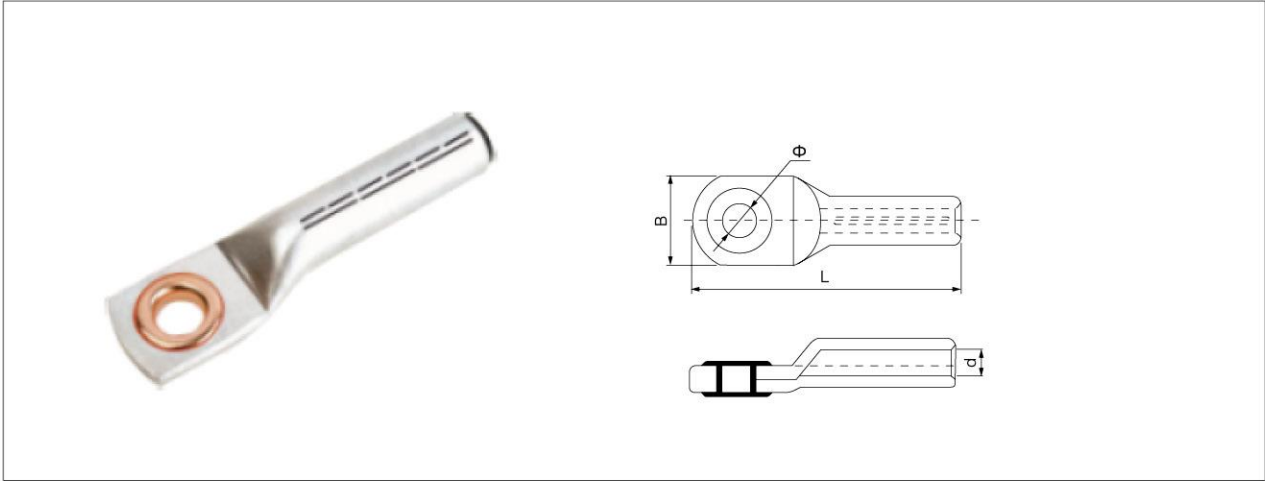
Product property: It is used for screwing non-tension aluminium Connections using copper washers

Conductive maierial

Aluminium-99.6% pure

Copper-99.9% pure

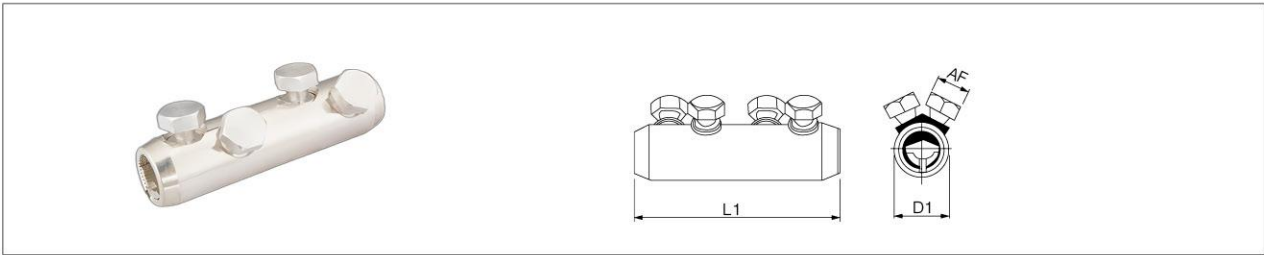
Standard:IEC61238-1



Part No	Dimenslons(mm)			
	L	d	B	Φ
BLT10-6	63	5	18	6.5
BLT10-8	63	5	22	8.5
BLT16-8	63	5.8	22	8.5
BLT16-10	65	5.8	25	10.2
BLT25-8	71	6.8	22	8.5
BLT25-10	73	6.8	25	10.5
BLT25-12	73	6.8	27.5	13
BLT35-8	79	8	22	8.5
BLT35-10	80	8	26	10.5
BLT35-12	82.5	8	30	13
BLT50-8	84.5	9.8	25	8.5
BLT50-10	86	9.8	27	10.5
BLT50-12	87.5	9.8	30	13
BLT50-8	98.5	11.2	28	8.5
BLT70-10	100	11.2	29	10.5
BLT70-12	102.5	11.2	32	13
BLT95-10	106.5	13.2	32	10.5
BLT95-12	106.5	13.2	35	13

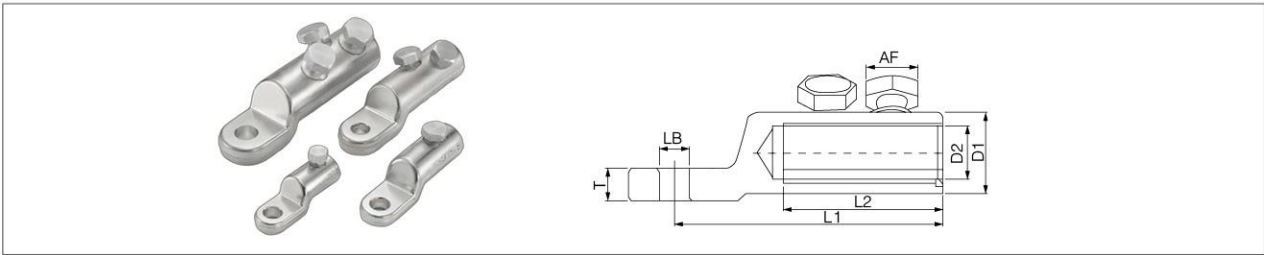
Part No	DImenslons(mm)			
	L	d	B	Φ
BLT95-16	108.5	13.2	38	17
BLT120-10	107.5	14.7	34	10.5
BLT120-12	107.5	14.7	35	13
BLT120-16	109.5	14.7	38	17
BLT150-10	119	16.3	35	10.5
BLT150-12	119	16.3	35	13
BLT150-16	121.5	16.3	41	17
BLT150-20	123	16.3	44	21
BLT185-12	123.5	18.3	40	13
BLT185-16	124.5	18.3	42	17
BLT185-20	126	18.3	46	21
BLT240-12	136	21	45	13
BLT240-16	136	21	45	17
BLT240-20	136	21	49	21
BLT300-16	144	23.3	51	17
BLT300-20	145	23.3	51	21
BLT400-16	187	26	58	17
BLT400-20	187	26	58	21

YAMB Aluminum Bolted Cable Lugs



Type	Cable Size(mm ²)	Dimension(mm)		Bolt Qty	AF
		L1	L2		
YAMB-10/35	10-35	45	19	2	10
YAMB-25/95	25-95	65	24	2	13
YAMB-35/150	35-150	80	28	2	17
YAMB-95/240	95-240	125	33	4	19
YAMB-120/300	120-300	140	37	4	22
YAMB-185/400	185-400	170	42	6	22

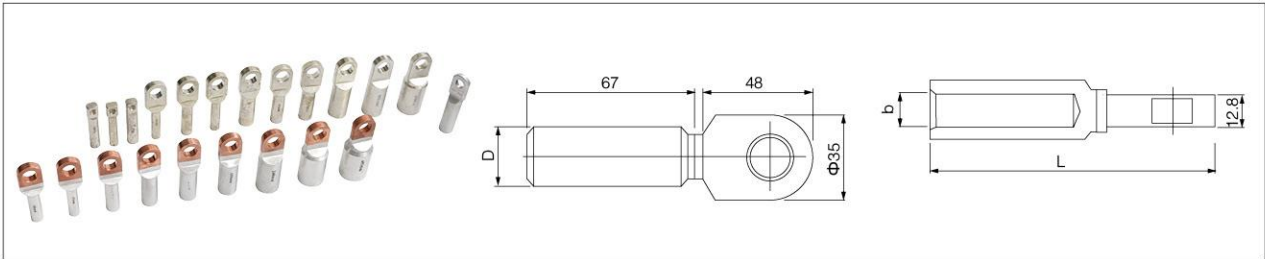
YAML Aluminum Bolted Cable Lugs



Type	Cable Size(mm ²)	DIA.of mounting hole		Dimension(mm)			Bolt Qty	AF
		LB	L1	L2	D1	D2		
YAML-25/85-13	25-95	13	60	30	24	12.8	1	13
YAML-35/150-13	35-150	13	86	35	28	15.8	1	17
YAML-95/240-13	95-240	13	112	60	33	20	2	19
YAML-120/300-17	120-300	17	115	65	37	24	2	22
YAML-185/400-17	185-400	17	137	80	42	25.5	3	22

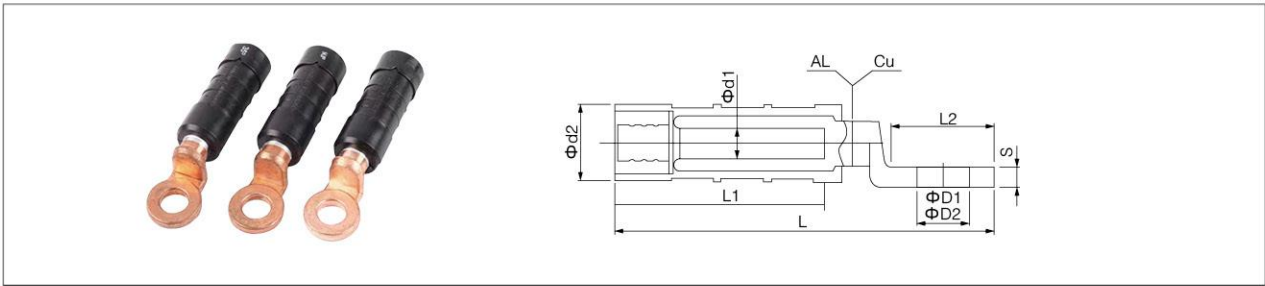
WDTL Bimetal Cable Connectors

Material:99.5% pure aluminium 99.95% pure copper Jointing Method:Friction Welding Operation Temperature:-40℃ to 100℃



Type	Cable Size(mm²)	Dimension(mm)		
		d	D	L
WDTL-35	35	8.5	20	151
WDTL-50	50	9.5	20	151
WDTL-70	70	11.5	20	151
WDTL-95	95	13.5	20	151
WDTL-120	120	15.5	25	151
WDTL-150	150	17	25	151
WDTL-185	185	19	32	151
WDTL-240	240	21	32	151
WDTL-300	300	23	40	151
WDTL-400	400	26	40	151
WDTL-500	500	27.3	47	151

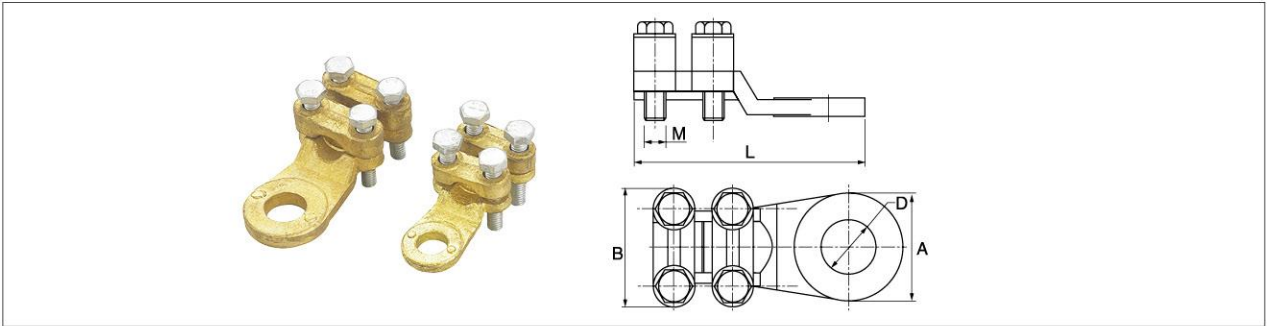
- Prefilled with jointing compound
- Standard: EN 50483-4,NFC 33-021.
- Water tightness test carried out at 6kV for 1 minute under water.
- Insulation tube is made of weather and UV resistant polymer.
- Cross-section of conductor can be easily identified by the color code of Raings.



Type	AlumiNXm full Length L1(mm)	Outer full Length L(mm)	Copper head outer DIA D2(mm)	Dimensions(mm)					Color	Tool
				d1	D1	d2	L2	S		
CPTAU16	42.5	76	Φ20	5.2	10.5	17.3	20.5	4.6	blue	E140
CPTAU25	42.5	76	Φ20	6.4	13	17.3	20.5	4.6	orange	E140
CPTAU35	54	97	Φ25	7.9	13	22	25	6	red	E173
CPTAU50	54	97	Φ25	8.9	13	22	25	6	yellow	E173
CPTAU54	54	97	Φ25	9.9	13	22	25	6	black	E173
CPTAU70	54	97	Φ25	10.4	13	22	25	6	white	E173
CPTAU95	54	97	Φ25	12.1	13	22	25	6	gray	E173
CPTAU120	64	121	Φ30.5	14.1	13	26.5	32	7.8	pink	E215
CPTAU150	64	121	Φ30.5	15.4	13	26.5	32	7.8	purple	E215

WYJC-Bolted Copper Lugs

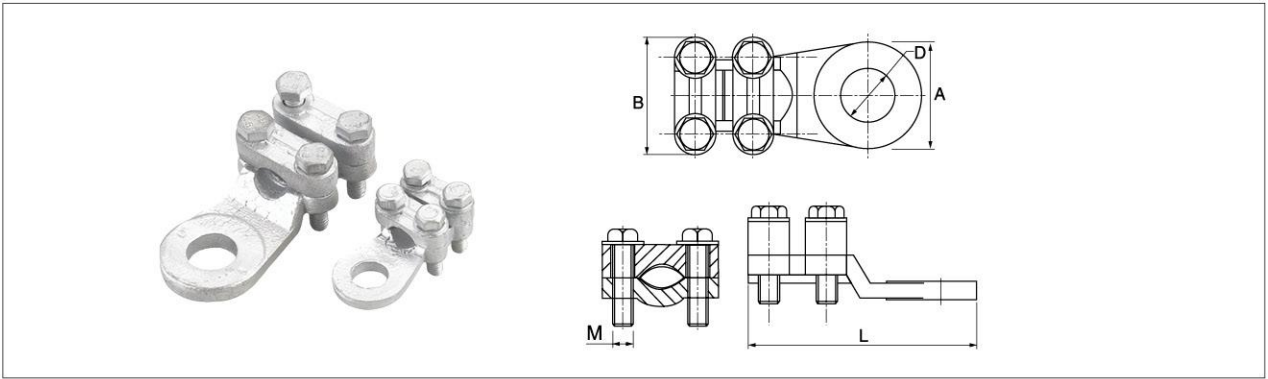
Products property: It is fied by bolts and used in the connections between the electrical equipment with cable and the indoor distribution equipment. They can be reused many times



Type	Cable Size(mm²)	Dimension(mm)				
		L	A	B	D	M
WYJC16-25	16-25	37	15	20	7.5	5
WYJC25-35	25-35	48	22	23	11	5
WYJC50-95	50-95	60	22	31	11	6
WYJC120-150	120-150	73	31	35	15	6
WYJC185-240	185-240	91	38	46	17	8

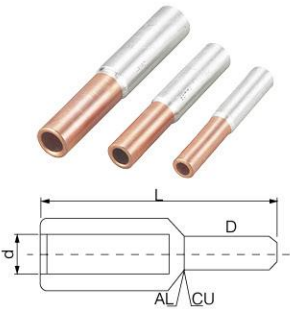
WYJB-Bolted Copper Lugs

Products property: It is fied by bolts and used in the connections between the electrical equipment with cable and the indoor distribution equipment. They can be reused many times



Type	Cable Size(mm²)	主要尺寸 /Dimension(mm)				
		L	A	B	D	M
WYJB-1	16-25	39	16	25	8.5	5
WYJB-2	16-25	45	18	22	8.5	5
WYJB-3	25-35	52	21	24	10.5	5
WYJB-4	50-70	61	23	31	10.5	6
WYJB-5	70-95	69	23	35	10.5	6
WYJB-6	95-120	73	27	41	13.5	8
WYJB-7	120-150	74	28	42	13.5	8
WYJB-8	150-185	76	28	42	13.5	8
WYJB-9	185-240	80	30	44	13.5	8

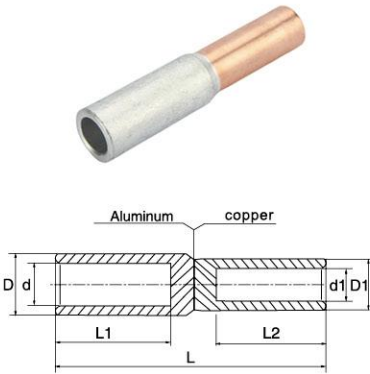
WTLZ Bimetal Cable Tuber



型号 /Type	主要尺寸 /Dimension(mm)		
	d	D	L
WTLZ-16	5	5.5	58
WTLZ-25	6.5	5.5	59
WTLZ-35	8	6.5	71
WTLZ-50	10	7.5	74
WTLZ-70	11	9.5	88
WTLZ-95	13	11	94
WTLZ-120	15	11	97
WTLZ-150	16.5	11	108

Copper-Aluminium connecting tubes

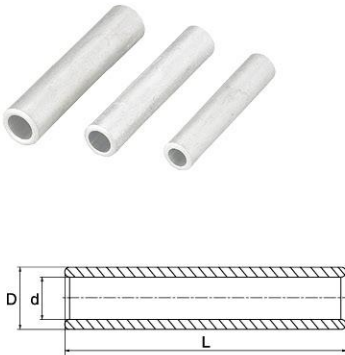
Material:Copper.Aluminium



Type	D	d	D1	d1	L	L1	L2
GTL-10	9	4.5	9	4.2	70	28	28
GTL-16	9	5.5	9	5.0	75	31	28
GTL-25	12	7.0	10	5.5	80	32	30
GTL-35	14	8.5	11	7.0	90	37	32
GTL-50	16	9.5	13	8.5	95	42	34
GTL-70	18	12.0	15	9.6	100	46	35
GTL-95	21	13.0	17	12.0	110	50	41
GTL-120	23	15.0	19	13.0	112	52	43
GTL-150	25	16.0	21	15.0	118	55	46

GL-G Aluminium Connecting Pipe(Passing Though)

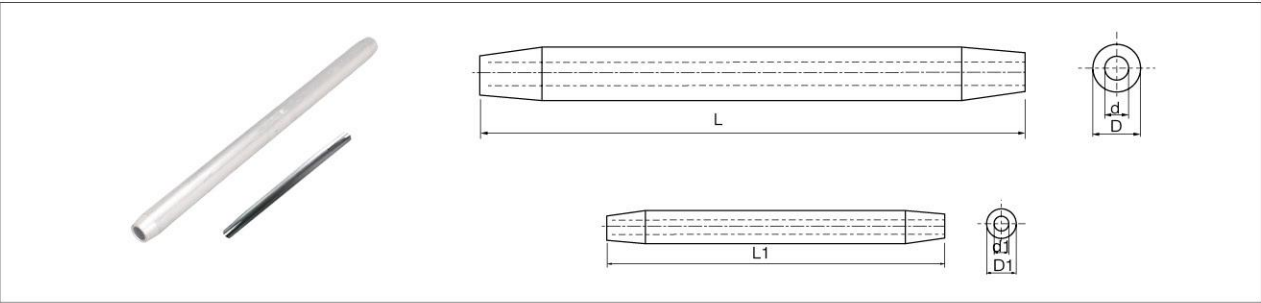
Material:Aluminium



Type	L	D	d
GL-G-16	65	10	5.5
GL-G-25	70	12	7
GL-G-35	75	14	8.5
GL-G-50	80	16	10
GL-G-70	90	18	11.5
GL-G-95	95	21	13.5
GL-G-120	100	23	15
GL-G-150	105	25	16.5
GL-G-185	110	27	18.5
GL-G-240	120	30	21

Joint And Connector

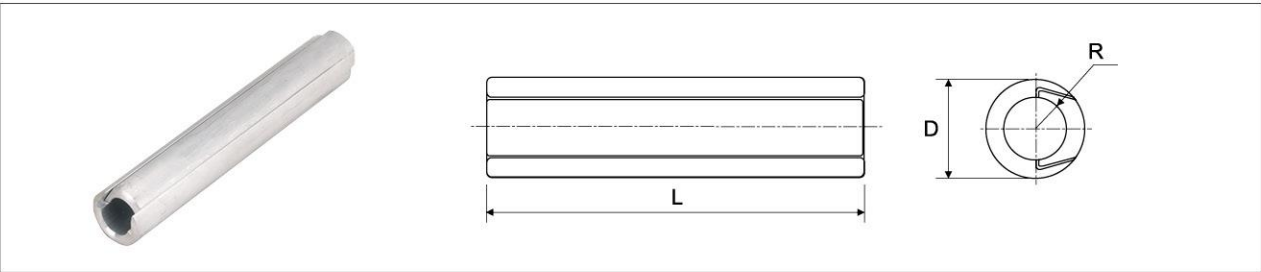
Material:Aluminium



Type	Cable range Applicable	Dimension(mm)						Rated Failure Load(KN)
		L	D	d	L1	D1	d1	
JY-70/10	JKLGYJ-70/10	360	25	13	110	12	4.5	21
JY-95/15	JKLGYJ-95/15	430	26	15	130	14	5.7	31.5
JY-120/20	JKLGYJ-120/20	430	30	16	130	14	6.2	36.9
JY-150/25	JKLGYJ-150/25	500	30	18.5	150	14	7.0	48.7
JY-185/25	JKLGYJ-185/25	520	32	20.5	150	14	7.0	53.5
JY-240/30	JKLGYJ-240/30	570	36	23	170	16	7.9	68

JBE Repair Sleeves For ACSR Conductor

Material:Aluminium

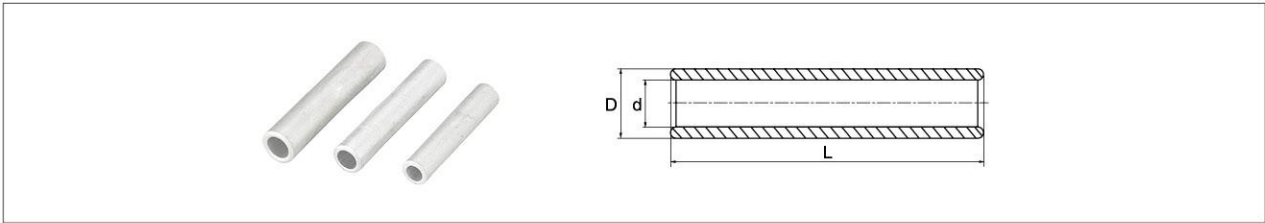


Type	Cable range Applicable	Dimension(mm)		
		D	L	R
JBE-35/6	LGJ-35/6	16	120	4.8
JBE-50/8	LGJ-50/8	18	130	5.5
JBE-70/10	LGJ-70/10	22	130	6.5
JBE-95/15~20	LGJ-95/15/20	24	140	8.0
JBE-120/7	LGJ-120/7	26	140	8.0
JBE-120/20-25	LGJ-120/20/25	26	140	8.6
JBE-150/8-20	LGJ-150/8/20	30	140	9.1
JBE-150/25-35	LGJ-150/25/35	30	170	9.5
JBE-185/10~30	LGJ-185/10/30	32	170	10.3
JBE-185/45	LGJ-185/45	34	170	10.8

Please phone us for special specification and type

W-GLG Aluminum Cable Lugs

Material:99.5% pure Aluminium Operation Temperature :-20°C to 140°C

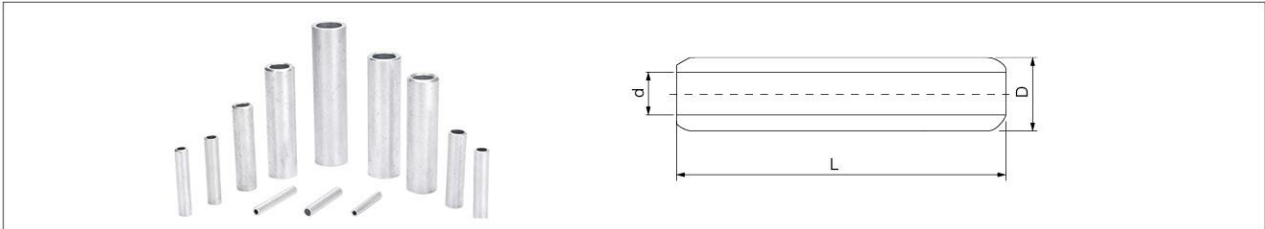


Type	Cable Size (mm²)	Dimension (mm)		
		d	D	L
W-GLG16	16	5.5	10	65
W-GLG25	25	7	12	70
W-GLG35	35	8.5	14	75
W-GLG50	50	9.5	16	80
W-GLG70	70	12	18	90
W-GLG95	95	13	21	95
W-GLG120	120	15	23	100
W-GLG150	150	16	25	105
W-GLG185	185	18	27	110
W-GLG240	240	20	30	120
W-GLG300	300	23	34	130
W-GLG400	400	26	38	140
W-GLG500	500	29	42	150
W-GLG630	630	34	54	170
W-GLG800	800	38	60	200

W-GLU Aluminum Cable Lugs

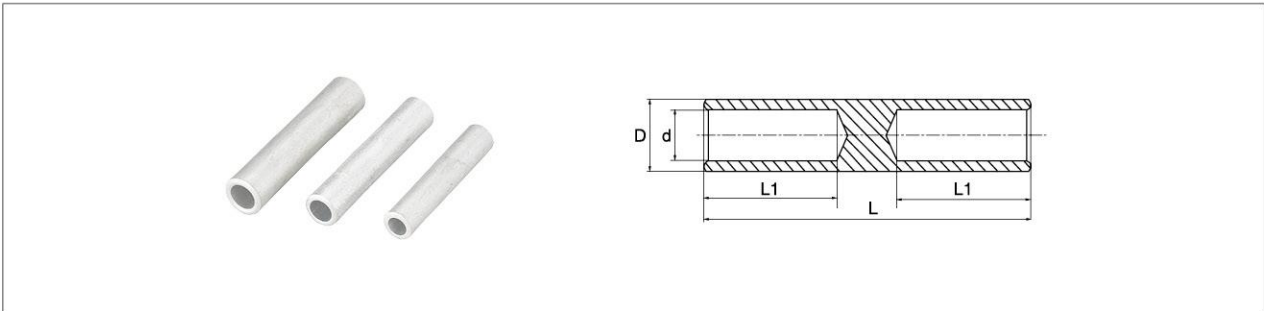
Material:99.5% pure Aluminium

Operation Temperature :-20°C to 140°C



Type	Dimension(mm)		
	d	D	L
10	4.5	16	90
16	5.5	16	90.5
25	6.5	16	90.5
35	8	16	90.5
50	9	20	106.5
70	11	20	106.5
95	12.5	20	106.5
150	13.7	25	133
150	15.5	25	133
185	17	32	143.5
240	19.5	32	143.5
300	22.5	34	218
400	26	38.5	218
500	29.1	44	218.5
630	32.5	52	218.5

Y-GL Aluminum Connecting Tube



Type	Cable Spec(mm²)	Dimension(mm)			
		d	D	L	L1
Y-GL10	10	4.5	9	65	28
Y-GL16	16	5.5	10	70	31
Y-GL25	25	7.0	12	75	32
Y-GL35	35	8.5	14	85	37
Y-GL50	50	9.5	16	95	42
Y-GL70	70	12	18	105	46
Y-GL95	95	13	21	110	50
Y-GL120	120	15	23	115	52
Y-GL150	150	16	25	120	55
Y-GL185	185	18	27	125	57
Y-GL240	240	20	30	130	61
Y-GL300	300	23	34	140	65
Y-GL400	400	26	38	150	70
Y-GL500	500	29	42	160	75
Y-GL600	600	34	54	170	80

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE



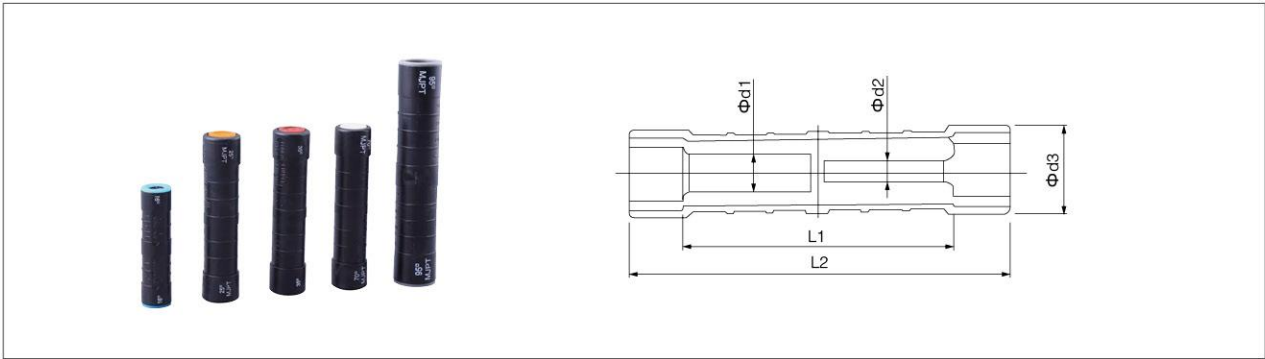
MJPT Pre-Insulated Sleeve

The MJPT pre-insulated connectors are designed for LV-ABC systems with a neutral messenger.The MJPT is used on the neutral conductor.

- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; -Cable size; Stripping length of cable;

Crimping die size

- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance
- Water tightness test carried out at 6kV for 1 minute under water



Type	AlumiNXm full Length L1 (mm)	Outer full Length L (mm)	Dimensions (mm)			Color	Tool
			d1	d2	d3		
MJPT16-16	73.6	104	5.2	5.2	23	blue/blue	E173
MJPT 25-25	73.6	104	6.4	6.4	23	orange/orange	E173
MJPT 35-35	73.6	104	7.9	7.9	23	red/red	E173
MJPT 50-50	73.6	104	8.9	8.9	23	yellow/yellow	E173
MJPT 54-54	73.6	104	9.9	9.9	23	black/black	E173
MJPT 70-70	73.6	104	10.4	10.4	23	white/white	E173
MJPT 95-95	73.6	104	12.1	12.1	23	gray/gray	E173
MJPT 120-120	73.6	107.5	14.1	14.1	26.5	pink/pink	E215
MJPT 150-150	73.5	107.5	15.4	15.4	26.5	purple/purple	E216

MJPT Pre-Insulated Sleeve

The MJPT pre-Insulated connectors are designed for LV-ABC systems with a neutral messenger.The MJPT is used on the neutral conductor.

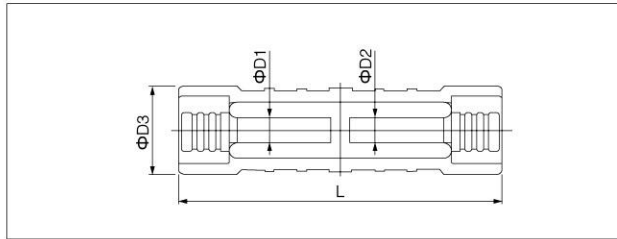
- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable;

Crimping die size

- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance
- Water tightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Standard: EN 50483-4, NFC 33-021

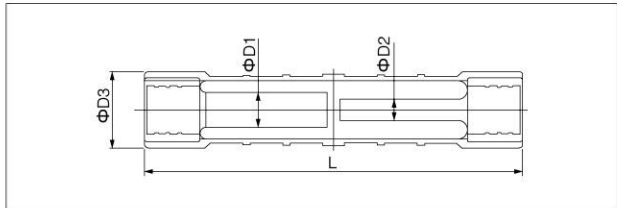


MJPB Specification



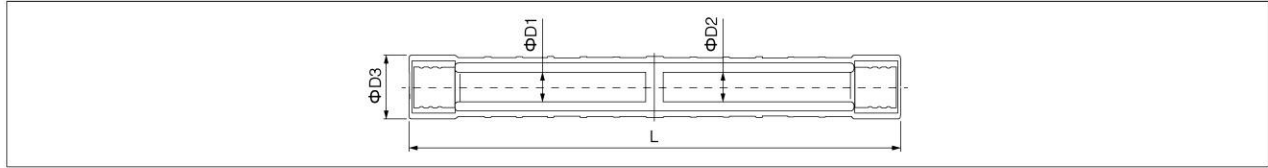
Code	Dimensions (mm)				Color	Tool
	D1	D2	D3	L		
MJPB6	3.3	3.3	19	70	Brown	E140
MJPB6/10	3.3	4.3	19	70	Brown/Green	E140
MJPB10	4.3	4.3	19	70	Green	E140
MJPB10/16	4.3	5.3	19	70	Green/Blue	E140
MJPB16	5.3	5.3	19	70	Blue	E140
MJPB16/25	5.3	6.5	19	70	Blue/Orange	E140
MJPB25	6.5	6.5	19	70	Orange	E140
MJPB25/35	6.5	8	19	70	Orange/Red	E140

MJPT Specification



Code	Dimensions (mm)				Color	Tool
	D1	D2	D3	L		
MJPT16	5.3	5.3	24	104	Blue	E140
MJPT25	6.5	6.5	24	104	Orange	E173
MJPT35	8	8	24	104	Red	E173
MJPT50	8.8	8.8	24	104	Yellow	E173
MJPT54.6	10	10	24	104	Black	E173
MJPT70	10.4	10.4	24	104	White	E173
MJPT95	12.3	12.3	24	104	Gray	E173
MJPT120	14.2	14.2	26.5	107.5	Pink	E215
MJPT150	15.5	15.5	26.5	107.5	Purple	E215

MJPT N Specification

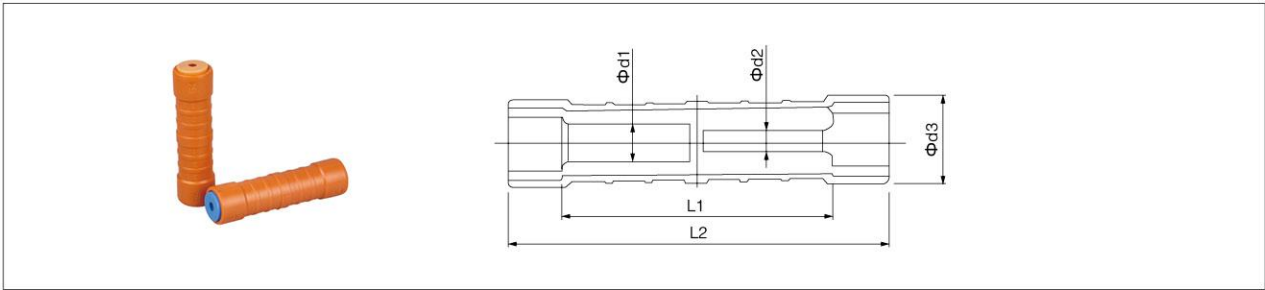


Code	Dimensions (mm)				Color	Tool
	D1	D2	D3	L		
MJPTN25	6.5	6.5	26.5	172	Orange	E173
MJPTN35	8	8	26.5	172	Red	E173
MJPTN50	10	10	26.5	172	Yellow	E173
MJPTN54.6	10.4	10.4	26.5	172	Black	E173
MJPTN70	10.5	10.5	26.5	172	White	E173
MJPTN95	12.3	12.3	26.5	172	Gray	E173
MJPTN120	14.2	14.2	26.5	172	Pink	E215
MJPTN150	15.5	15.5	26.5	172	Purple	E215

MJPTN Pre-Insulated Sleeve

The MJPTN pre-insulated connectors are designed for LV-ABC systems with a neutral messenger.The MJPTN is used on the neutral conductor.

- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable; Crimping Die size
- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance.
- Pre-filled with jointing compound
- Water tightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Standard: EN 50483-4, NFC 33-021



Type	Aluminum full Length L1(mm)	Outer full Length L(mm)	Dimensions(mm)			Color	Tool
			d1	d2	d3		
MJPY 50W	172	140	8.9	8.9	23	yellow/yellow	E173
MJPY 54W	172	140	9.9	9.9	23	black/black	E173
MJPY 70W	172	140	10.4	10.4	23	white/white	E173
MJPY 95W	172	140	12.1	12.1	23	gray/gray	E173
MJPY 120W	172	140	14.1	14.1	26.5	pink/pink	E173
MJPY 150W	172	140	15.4	15.4	26.5	purple/purple	E173

JXD Wedge Clamp

JXD series wedge clamp is suitable for no-bearing connecting of conductor for overhead distribution circuit,also for mating aluminum connection,overhead Insulated aluminum wire,insulation sheath or clamp,it takes effect on protection.

Structure Feature

- It can save energy
- Good contacing performance,big contacting surface for wedge elastic damping and conductor stable clamping force the rate of DC resistance is 0.85-0.9
- Strong overload capacity,wedge elastic damp and over load capacity is 2 times of rated current
- Good thermal circle performance, operating under the rate of DC resistance for less than 1 all the time.
- Gain the aim of free maintenance,no- failure and longlife
- Suitable for kinds of conductor composite,strong applicability, mating insulation sheath, it realizes circuit insulation.



Type	Main Line (mm ²)	Branch Line (mm ²)	Dimensions(mm)				
			L1	L2	L3	H1	H2
JXD-1	16-95	16-95	42	50.5	64	7	14
JXD-2	120-150	16-150	50	55.5	68.5	7	15
JXD-3	185	25-185	76.5	85.5	91	8	18.5
JXD-4	240	25-240	76	86.5	95.5	8	22

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

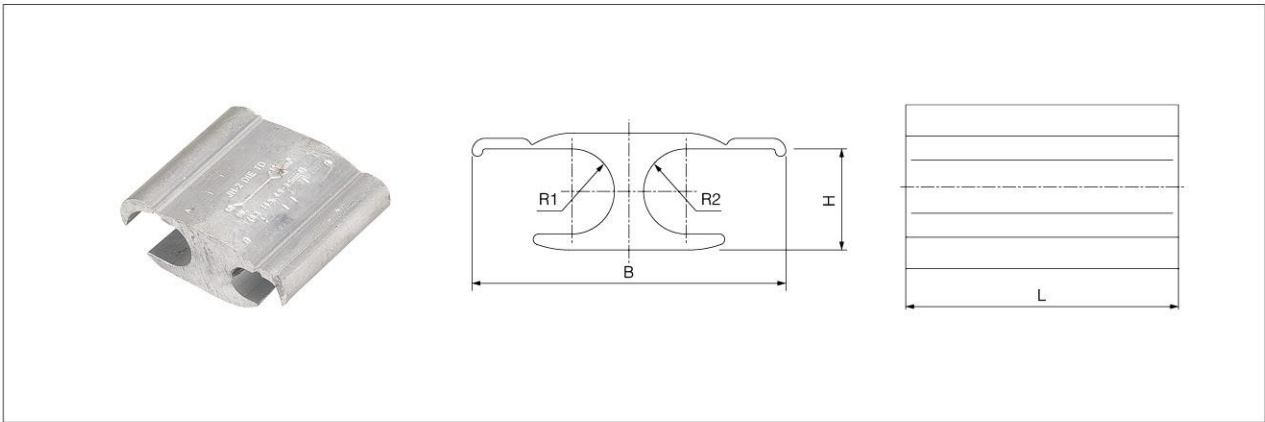


H Type Clamp

JH clamp is a kind of connecting clamp used for all kinds of high and low tension & non-tension wire, suitable for steel core aluminum wire (LGJ), aluminum stranded wire(LJ), aluminum wire overhead insulated cable (JKLYJ) Core aluminum wire overhead insulated cable (JKIGYG), copper wire and other materials free to connect.

Structure Feature

- The resistace is small, low temperature, saving energy safe and reliable.
- Clamp is made of high strength aluminum alloy, safe andstable.



Type	Main Line (mm²)	Branch Line (mm²)	Dimensions(mm)			
			L	R1	R2	H
JH-1	4.8-8.2	4.8-8.2	38	4.3	5.3	17.3
JH-2	8.3-14	4.8-9.6	48	7.3	5.3	21.9
JH-3	10-14	10-14	60	7.3	7.3	21
JH-4	13-22.4	4.8-11.4	51	11	6.3	32
JH-5	13-22.4	11.6-16	51	11.3	8	32
JH-6	16.2-22.4	16.2-22.4	89	11.3	11.3	30.6

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

Protective fitting

Protective fittings are used to restrain aeolian vibration of conductor and ground wire foverhead Transmission lines.or to grade and to shield the insulator string of 330 kV and above transmission lines and substation.For example, dampers, spacers.grading and heiding rings.....

M-Bus-bar;R-cable;F-Protection,end;cap Y-preformed armor rod;D-conductor;J-space,voltage;Z-Damper terminal;Q-ball joint G-steel wire The conductor can be enwound by aluminium tapes as installing dampers and spacers onto it.

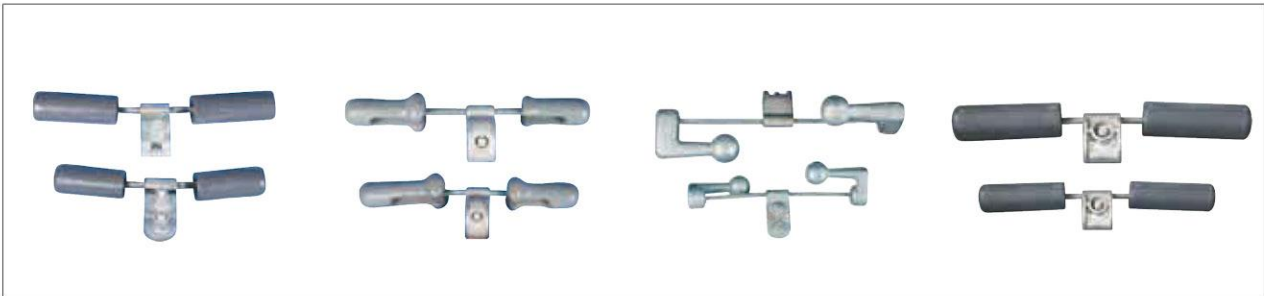


FJQ (FFJQ) spacer for double conductor

TJ spacer for jumper conductors

FJZ spacer for double conductor

Arcing Horn

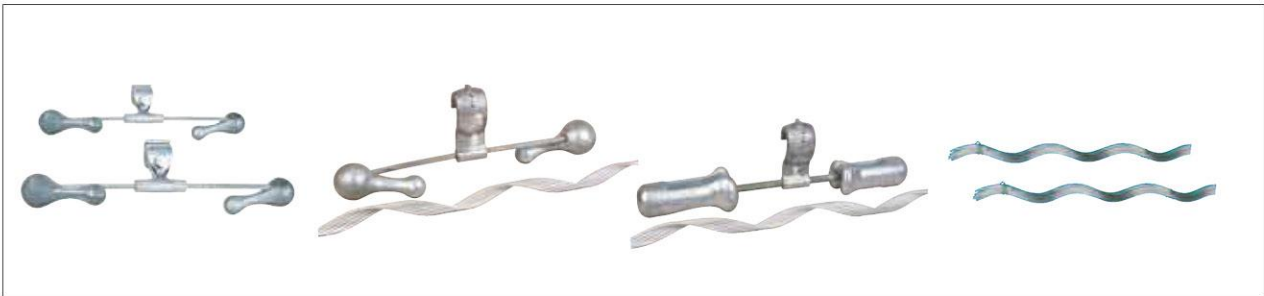


FR dampers

FR dampers

FDZ dampers

FF(FD-L) dampers

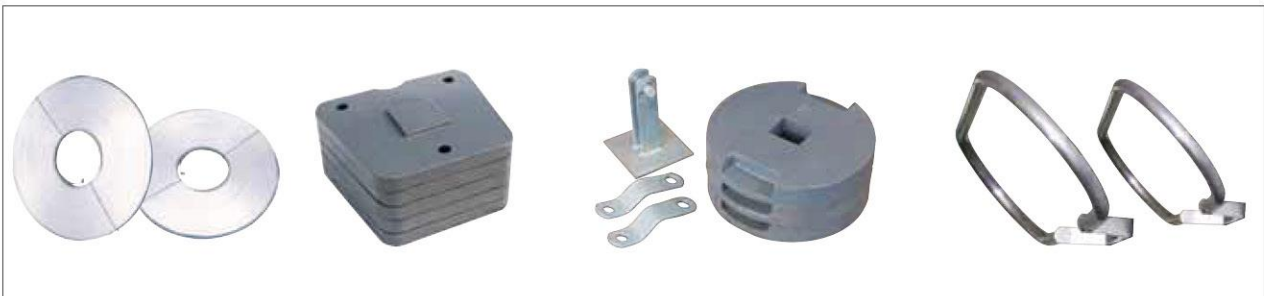


DB dampers

DBY dampers

FRY dampers

FYH preformed armor rod



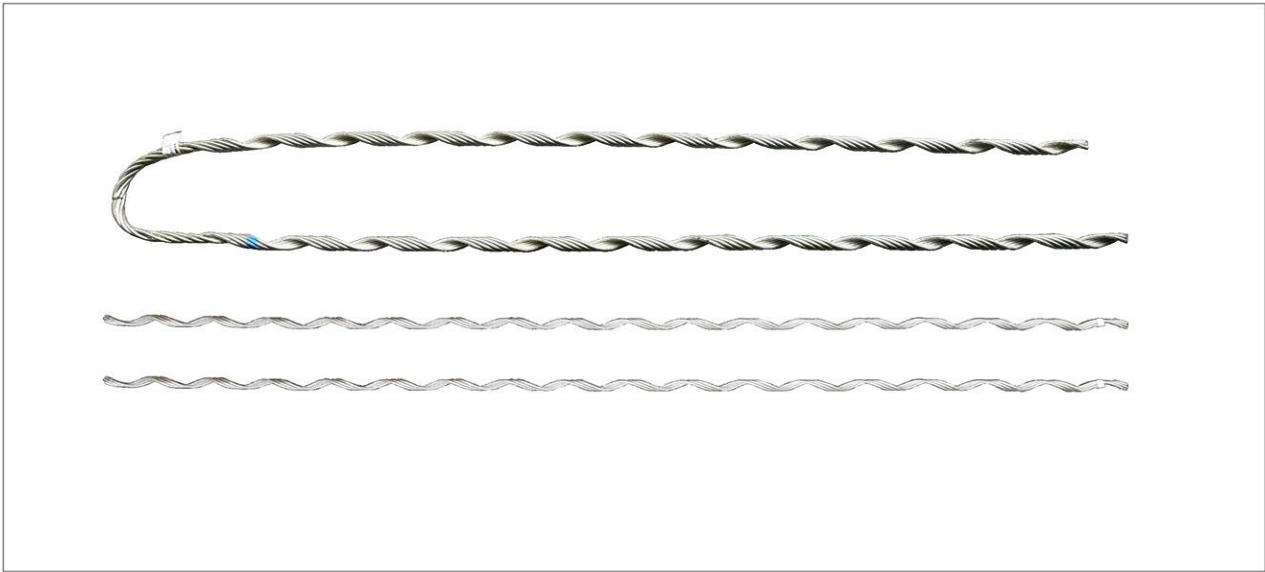
FLD aluminium armor tape

ZC type counter weights pieces

Suspension counter weight aluminium and accessories

FP grading and shielding rings for 500kv line

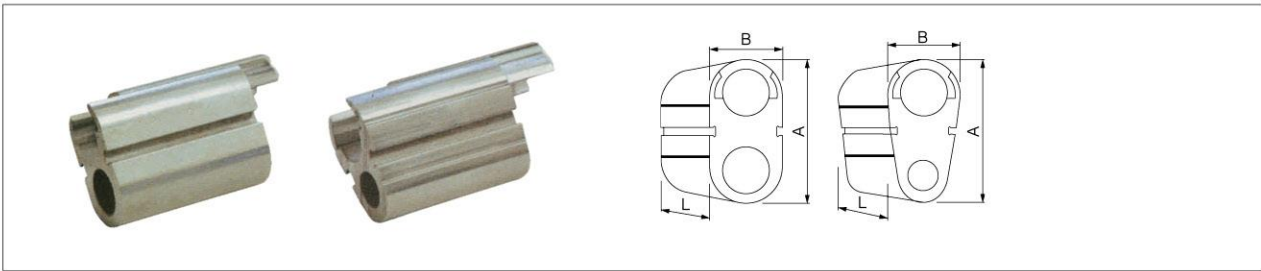
FTY Preformed armour



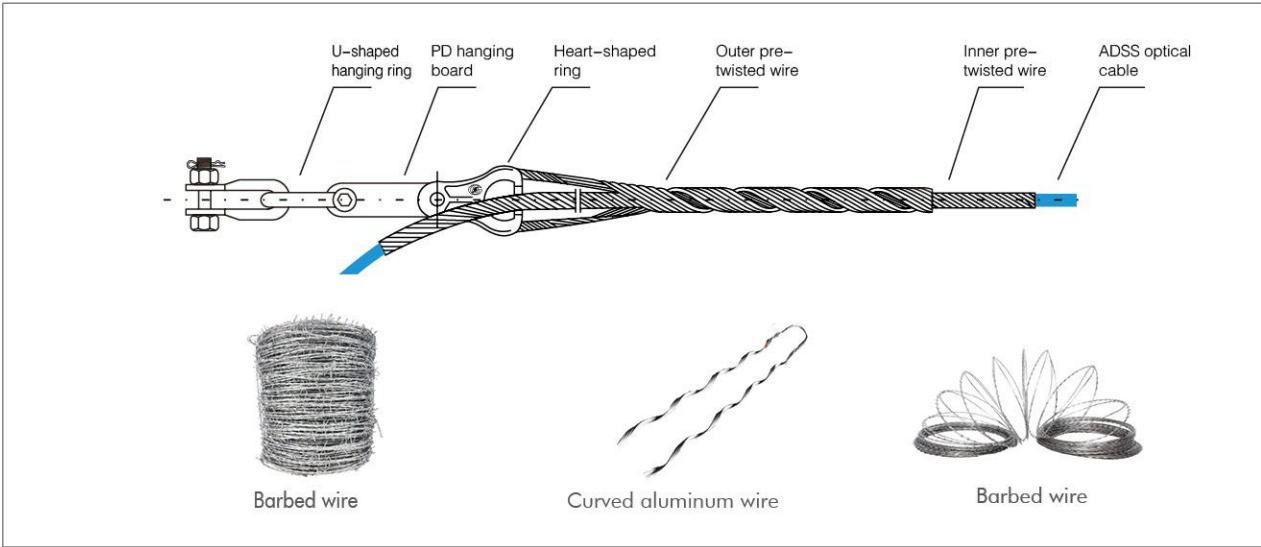
Modle	Conductor		Dimensions(mm)			Nos of wires	Weight(Kg)
	Type	Outer dia(mm)	d	D	L		
FTY-95/15	LGJ-95/15	13.61	3.6	11.4	1400	13	0.53
FTY-95/20	LGJ-95/20	13.87	3.6	11.4	1400	13	0.54
FTY-120/20	LGJ-120/20	15.07	3.6	12.5	1400	14	0.57
FTY-120/25	LGJ-120/25	15.74	3.6	13.0	1400	14	0.58
FTY-150/20	LGJ-150/20	16.67	3.6	14.7	1500	16	0.65
FTY-150/25	LGJ-150/25	17.10	3.6	14.2	1500	16	0.64
FTY-150/35	LGJ-150/35	17.50	3.6	14.5	1500	16	0.66
FTY-185/25	LGJ-185/25	18.90	4.6	15.7	1800	14	1.25
FTY-185/30	LGJ-185/30	18.88	4.6	15.7	1800	14	1.26
FTY-185/45	LGJ-185/45	19.60	4.6	16.3	1800	14	1.26
FTY-240/30	LGJ-240/30	21.60	4.6	17.9	1900	16	1.44
FTY-240/40	LGJ-240/40	21.66	4.6	17.9	1900	16	1.44
FTY-240/55	LGJ-240/55	22.40	4.6	18.6	1900	16	1.50
FTY-300/20	LGJ-300/20	23.43	6.3	19.4	2000	13	2.30
FTY-300/25	LGJ-300/25	23.76	6.3	19.7	2000	13	2.33
FTY-300/40	LGJ-300/40	23.94	6.3	19.9	2000	13	2.34
FTY-300/50	LGJ-300/50	24.26	6.3	20.1	2000	13	2.34
FTY-400/25	LGJ-400/25	26.64	6.3	22.1	2200	14	2.80
FTY-400/35	LGJ-400/35	26.82	6.3	22.3	2200	14	2.80
FTY-400/50	LGJ-400/50	27.63	6.3	23.0	2200	14	2.80
FTY-400/65	LGJ-400/65	28.00	6.3	23.2	2200	14	2.83
FTY-500/35	LGJ-500/35	30.00	6.3	24.9	2500	16	3.48
FTY-500/45	LGJ-500/45	30.00	6.3	24.9	2500	16	3.48
FTY-500/65	LGJ-500/65	30.96	6.3	25.7	2500	16	3.50
FTY-630/45	LGJ-630/45	33.60	7.8	27.9	2500	15	5.32
FTY-630/55	LGJ-630/55	34.32	7.8	28.5	2500	15	5.40
FTY-630/80	LGJ-630/80	34.32	7.8	28.9	2500	15	5.40

Connector press type O

Specification for CPTO type



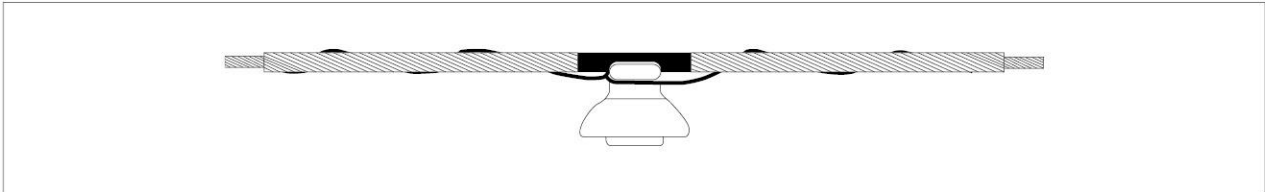
Modle	Hole1mm ²	Hole2 mm ²	Dimensions(mm)		
			A	B	L
CPTO 10-16/10-16	10-16	10-16	18.8	10.5	35.3
CPTO 10-35/10-16	25-35	10-16	22.8	14.5	37.7
CPTO 10-35/16-35	25-35	25-35	26	14	38.6
CPTO 50-70/10-16	50-70	10-16	29.5	19.5	37
CPTO 50-70/16-35	50-70	25-35	28.4	20	38
CPTO 50-70/50-70	50-70	50-70	33.8	20	45.5
CPTO 70-150/50-70	70-150	50-70	44	23.6	60.3
CPTO 70-150/70-150	70-150	70-150	49	23.6	60.3
CPTO 150-240/70-150	150-240	70-150	54.8	30.3	65
CPTO 150-240/150-240	150-240	150-240	62.4	30.3	75.5



Type	Cable Size	Internal length	External length	Weight	Universal configuration
	7.2-7.8	1400	1000		Each set includes: Set of preformed armor rods (inner wire)Set of preformed armor rods A heart-shaped ring. A PD hanging board, Two U-shapod hanging rings.
	7.9-8.8	1400	1000		
	8.9-10.1	1400	1000		
NL-1/OPGW	10.2-11.4	1540	1120		
NL-2/OPGW	11.5-12.8	1620	1200		
NL-3/OPGW	12.9-14.1	1660	1240		
NL-4/OPGW	14.2-15.5	1840	1360		
NL-5/OPGW	15.6-17.3	2000	1480		
NL-6/OPGW	17.4-19.2	2160	1630		
NL-7/OPGW	19.3-21.1	2320	1730		
NL-8/OPGW	21.2-23.5	2500	1860		
NL-9/OPGW	23.6-26.2	2500	1860		

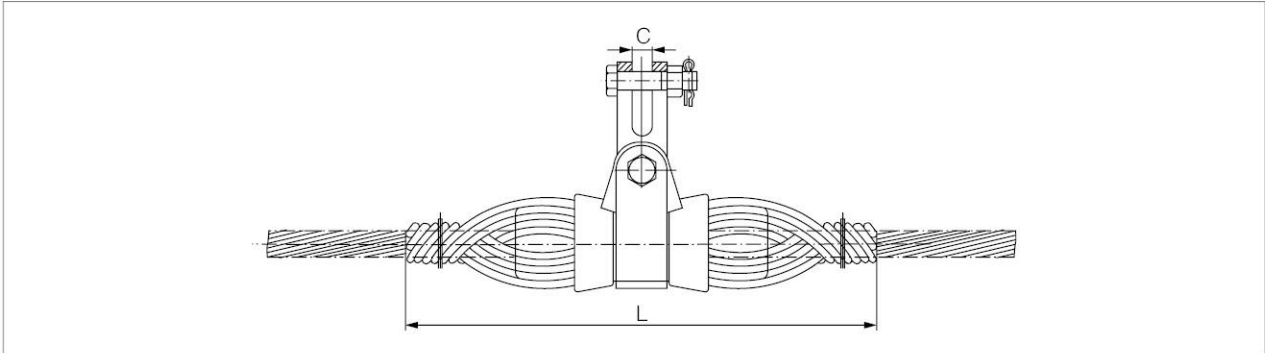
1. The above products do not contain ground wire clamp, 2. Interchangeable models of link fittings, 3. Weight in table = inner wire + outer wire

Pre-twisted wire



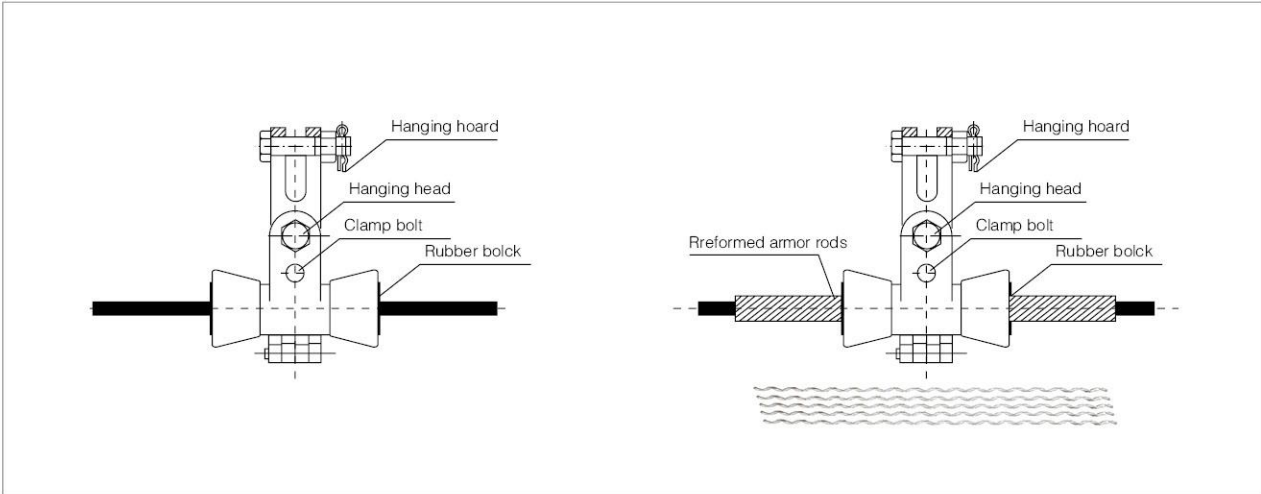
Type	Cable Size	Length	A1 stranded wire	10kV Insulation	wire DIA	Radical Number
FLT-0650	5.1-6.5	700	16,25		2.59	2
FLT-0900	7.5-9.0	750	35,50		2.59	2
FLT-1100	9.5-11.0	800	70		2.59	2
FLT-1260	11.6-12.6	850	95	10,16	3.25	2
FLT-1500	14.0-15.0	900	120	25,35	3.25	2
FLT-1610	15.7-16.1	950	150	50	3.25	2
FLT-1880	17.5-18.8	1000	185,210	70	3.25	2
FLT-2100	19.6-21.0	1050	240	95,120	3.25	2
FLT-2420	22.4-24.2	1100	300	150,185	3.25	2
FLT-2700	25.9-27.0	1200	400	240	3.25	2
FLT-3000	28.5-30.0	1300	500	300	3.25	2

Specification



type	Specification (mm ²)	Dia(mm)	Length (mm)	Weight (Kg)	color marking	Rated failure 1q ≥ (KN)
CL-35/6	35/6	8.03~8.31	660	1.1	Red	40
CL-50/8	50/8	9.53~9.88	660	1.1	Green	40
CL-70/10	70/10	11.05~11.45	914	1.5	Blue	40
CL-50/30	50/30	11.46~11.94	914	1.6	Purple	40
CL-70/40	70/40	13.49~13.78	1041	1.2	Purple	60
CL-95/15	95/15	13.49~13.78	1041	1.2	Orange	40
CL-95/20	95/20	13.49~13.78	1118	1.3	White	40
CL-120/7	120/7	14.11~14.56	1118	1.4	Yellow	40
CL-120/20	120/20	14.57~15.10	1143	1.4	Green	40
CL-120/25	120/25	15.75~16.39	1270	1.5	Blue	60
CL-95/55	95/55	15.75~16.39	1270	1.5	Blue	70
CL-150/8	150/8	15.75~16.39	1270	1.5	Blue	70
CL-150/20	150/20	16.40~17.10	1372	1.8	Red	60
CL-150/25	150/25	16.40~17.10	1372	1.8	Red	60
CL-150/35	150/35	17.11~17.54	1372	1.8	Brown	70
CL-120/70	120/70	17.55~18.04	1372	1.9	White	100
CL-185/10	185/10	17.55~18.04	1372	1.9	White	60

Pre-twisted wire



Tangent clamp (support box) for ADSS optical cable (range less than 180 m)

Type	Standard model	Cable Size	Universal configuration
AXQ 0950	44000691	8.4-9.5	Overhang each set includes: A set of pendant head assembly, a connecting fixture, Connecting fittings: Choose one U-screw UJ-, technical board ZS-, U-ring U-,
AXQ 1080	44009998	9.6-10.8	
AXO 1210	44009949	10.9-12.1	
AXQ 1330	44009952	12.2-13.3	
AXQ 1460	44009823	13.4-14.6	
AXO 1590	44009798	14.7-15.9	
AXQ 1710	44009776	16.0-17.1	
AXO 1910	44009799	17.2-19.1	
AXQ 2100	44009878	19.2-21.0	

Description: 1. Interchangeable varieties of connected fittings, 2. Weight = hanging headassembly in the table.

Single layer preformed armor rods for ADSS cable (span 180-360 m)

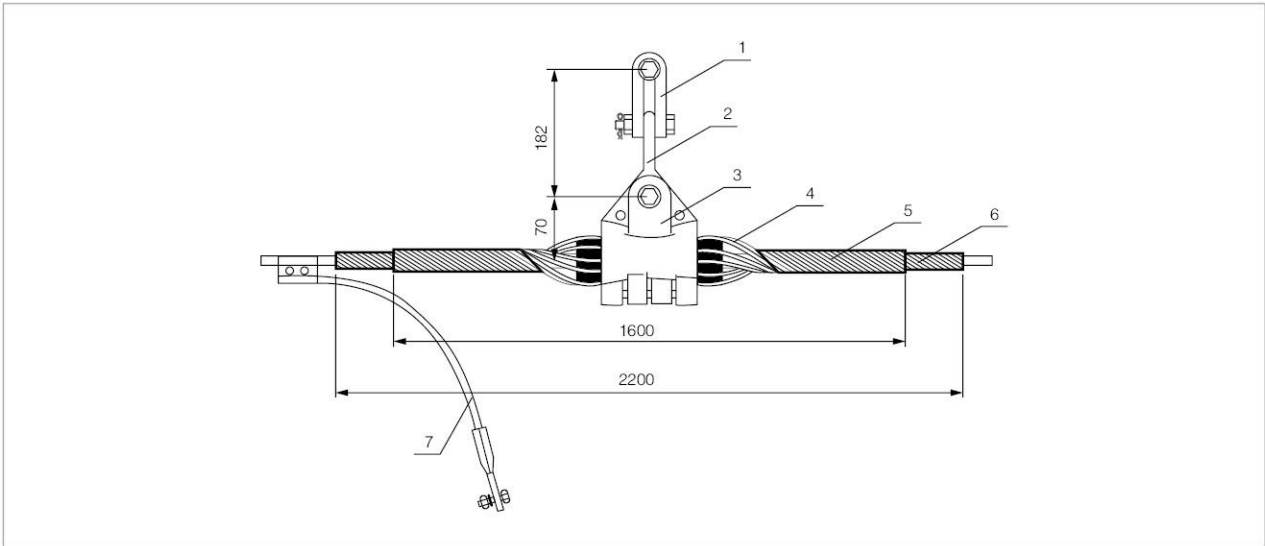
Type	Standard model	Cable Size	Length of strand	Universal configuration
AXD 1060		9.0-10.6	800	Overhang each set includes:11 A set of pendant head assembly, a connecting fixture, Connecting fittings: Choose one UJ-/ ZS-/ U-/
AXD 1200		10.7-12.0	820	
AXD 1270	600015	12.1-12.7	840	
AXD 1400	600016	12.8-14.0	860	
AXD 1590	600017	14.1-15.9	860	
AXD 1780	600018	16.0-17.8	890	
AXD 1870	600019	17.9 -18.7	910	
AXD 1871	600020	18.8-20.6	910	

Description: 1. Interchangeable varieties of connecting fittings, 2. Weight in the table = twisted wire + hanging head assembly.

PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE



Pre-twisted wire



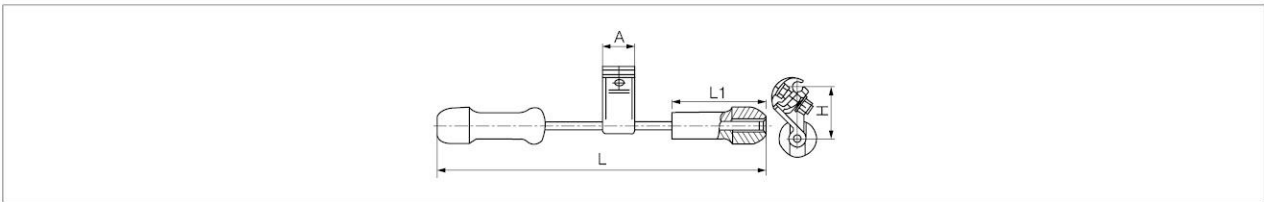
Type	Standard model	Cable Size	Internal length	External length	Weight	Universal configuration
OXY 0800		7.4-8.0	1650	1050	1.7	Overhang Each set includes: A set of preformed armor rods A set of preformed armor rods A set of hanging head assembly A ZH Right Angle Ring A U-shaped hanging ring,
OXY 0880		8.1-8.8	1650	1050	1.7	
OXY 0960	CL-1/OPGW	8.9-9.6	1676	1067	2.3	
OXY 1010	CL-2/OPGW	9.7-10.1	1676	1067	2.3	
OXY 1060	CL-3/OPGW	10.2-10.6	1676	1067	2.5	
OXY 1110	CL-4/OPGW	10.7-11.1	1702	1067	2.5	
OXY 1160	CL-5/OPGW	11.2-11.6	1727	1092	2.5	
OXY 1170	CL-6/OPGW	11.7-11.7	1829	1168	3.2	
OXY 1200	CL-7/OPGW	11.8-12.0	1829	1168	3.2	
OXY 1270	CL-8/OPGW	12.1-12.7	1854	1168	3.2	
OXY 1290	CL-9/OPGW	12 8-12.9	1930	1168	3.2	
OXY 1360	CL-10/OPGW	13.0-13.6	1930	1245	3.7	
OXY 1410	CL-11/OPGW	13.7-14.1	1956	1245	3.7	
OXY 1430	CL-12/OPGW	14.2-14.3	1956	1245	3.7	
OXY 1450	CL-13/OPGW	14.4-14.5	2007	1372	4.2	
OXY 1510	CL-14/OPGW	14.6-15.1	2007	1372	4.2	
OXY 1580	CL-15/OPGW	15.2-15.8	2057	1372	4.2	
OXY 1600	CL-16/OPGW	15.9-16.0	2388	1600	6.1	
OXY 1690	CL-17/OPGW	16.1-16.9	2388	1600	6.1	
OXY 1730	CL-18/OPGW	17.0-17.3	2388	1600	6.1	
OXY 1800	CL-19/OPGW	17.4-18.0	2388	1600		
OXY 1840	CL-20/OPGW	18.1-18.4	2388	1600		
OXY 1880	CL-21/OPGW	18.5-18.8	2388	1600		

The above products do not include grounding clamp

Dampers (Asymmetric tuning fork vibration prevention hammer)

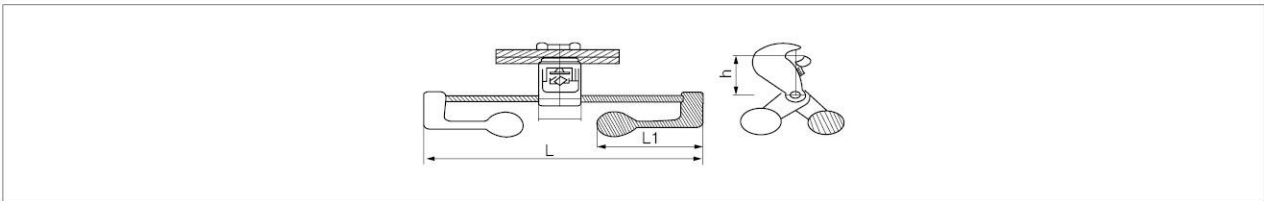
Catalog No.	Fit wire diameter	Main Dimensions					Weight (kg)
		L	H	α	L1	L2	
FR-1	7-12	429	80	50	239	190	2.60
FR-2	11~22	429	80	50	239	190	2.60
FR-3	18~28	505	90	60	280	225	4.97
FR-4	23~36	550	97	60	300	250	4.50

Clamp is aluminium alloy and counter weight is grey cast iron, painted or hot-dip galvanized. The other parts are hot-dip galvanized steel



stable design Catalog No.	Fit wire diameter	Main Dimensions			Weight (kg)
		L	H	α	
FRY-1/G	6.4~8.6	280	45	40	1.5
FRY-2/G	8.6~12.0	380	60	50	2.2
FRY-3/G	12.0~14.5	480	65	60	4.2
FRY-1/2	12.0~16.0	429	80	50	2.8
FRY-2	12.0~16.0	429	80	50	2.8
FRY-2/3	16.0~18.0	429	80	50	2.8
FRY-3/4	18.0~22.5	505	90	60	4.5
FRY-3/5	22.5~30.0	505	90	60	5.0
FRY-4/5	22.5~30.0	550	97	60	7.6
FRY-4/6	30.0~35.0	550	97	60	7.6

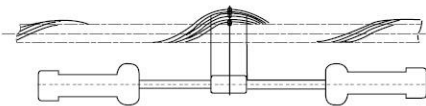
Combined type spacer dampers



Catalog NO.	Fit wire diameter	Main Dimensions			Weight (kg)
		L	H	α	
FDZ-1	7.0~12.0	320	66.0	50	120
FDZ-2	11.0~15.0	350	66.0	50	130
FDZ-3	14.0~19.0	430	66.0	60	150
FDZ-4	18.0-22.5	470	66.0	60	160
FDZ-5F	22.0~29.0	520	95.0	60	180
FDZ-6F	28.0~35.0	520	95.0	60	180
FDZ-1 T	7.8	320	30.7	50	120
FDZ-2T	9.0-9.6	350	30.7	50	130
FDZ-3T	11.0~11.5	430	44.7	60	150
FDZ-4T	13.0	470	44.7	60	160

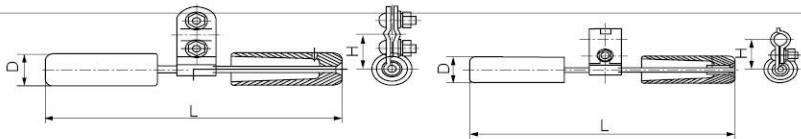
Clamp is aluminium alloy and counter weight is grey cast iron, painted or hot-dip galvanized. The other parts are hot-dip galvanized steel

Preformed clamp asymmetrical tuning fork damper



Catalog No.	Weight (kg)	Catalog No. of preforme aomor rods	Wire length	Suitable Conductor			
				Steel cored aluminium atrande wire	aluminium Wire	Galvanized s steel strand	Aluminum Cl steel wire
FRYJ-1/G	1.6	FY-0235 (7.50-8.16)	700	LGJ-35/6	LJ-35	GJ-36	GLB-35
FRYJ-2/G	2.6	FY-0250 (9.00-9.60) FY-0270 (10.80-11.16)	700	LGJ-50/8 LGJ-50/30 LGJ-70/10	LJ-50 LJ-70	GJ-50 GJ-55 GJ-70 GJ-80	GLB-50 GLB-55 GLB-70 GLB-80
FRYJ-3/G	4.3	FY-0295 (12.48-13.87)	800	LGJ-70/40 LGJ-95/15 LGJ-95/20	LJ-95	GJ-95 GJ-100	GLB-95 GLB-100
FRYJ-2/2	1.7	FY-02120 (14.26-16.00)	800	LGJ-95/55 LGJ-120/7 LGJ-120/20 LGJ-120/25 LGJ-150/8	LJ-120 LJ-150	GJ-120 GJ-150	GLB-120 GLB-150
FRYJ-1/3	2.3	FY-02150 (16.67-18.00)	800	LGJ-120/70 LGJ-150/20 LGJ-150/25 LGJ-150/35 LGJ-185/10	LJ-185	GJ-185	GLB-185
FRYJ-2/4	3.5	FY-02185 (17.75-20.00) FY-03240 (20.86-22.40)	800 800	LGJ-185/25 LGJ-185/30 LGJ-185/45 LGJ-210/10 LGJ-210/25 LGJ-210/35 LGJ-210/50 LGJ-240/30 LGJ-240/40 LGJ-240/55	LJ-210 LJ240 LJ-300		
FRYJ-3/5	5.0	FY-03300 (23.01-25.20)	900	LSJ-300/15 LGJ-300/20 LGJ-300/25 LGJ-300/40 LGJ-300/50 LGJ-300/70			
FRYJ-4/5	5.0	FY-03400 (25.90-28.00)	900	LGJ-400/20 LGJ-400/25 LGJ-400/35 LGJ-400/50 LGJ-400/65	LJ-400		
FRYJ-4/6	6.9	FY-03500 (29.12-30.96) FY-03630 (32.67-34.82)	900	LGJ-400/95 LGJ-500/35 LGJ-500/45 LGJ-500/65 LGJ-630/45 LGJ-630/55 LGJ-630/80	LJ-500 U-630		

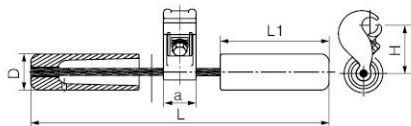
Dampers



Catalog No.	Suitable Conductor		Fig No.	Main Dimensions			Weight (kg)
	Steel wire	AAC&ACSR		L	D	H	
FD-1		35-50	1	300	40	40	1.5
FD-2		70-95	2	370	46	55	2.4
FD-3		120-150	2	450	56	65	4.5
FD-4		185-240	2	500	62	70	5.6
FD-5		300~400	2	550	67	70	7.2
FD-6		500-630	2	550	70	75	8.6
FG-35	35		1	300	42	50	1.8
FG-50	50		1	350	46	50	2.4
FG-70	70		2	400	56	60	4.2
FG-100	100		2	500	62	65	5.9

Counter weight are grey iren. Painted The other parts are hot-dip galvanized steel.

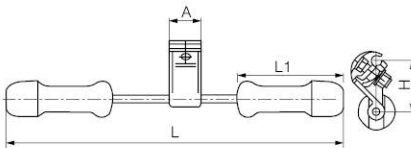
Dampers (Energy saving corona free type)



Catalog No.	Suitable Conductor	Main Dimensions					Weight (kg)
		L	D	H	a	L1	
FD-1L	LGJ-35~50	300	40	81	50	95	1.5
FD-2L	LGJ-70~95	370	46	81	50	130	2.4
FD-3L	LGJ-120~150	450	56	81	50	150	4.5
FD-4L	LGJ-185~240	500	62	91	50	175	5.6
FD-5L	LGJ-300~400	550	67	96	50	200	7.2
FD-6L	LGJ-500~630	550	70	96	50	200	8.6
FF-5G	LGJ-300~400	550	67	90		200	

Clamp is aluminium alloy and counter weight piece is grey cast iron, painted. If user demands the counter weight piece will be hot-dip galvanized.

Dampers (Symmetry tuning fork vibration prevention hammer)



stable design Catalog No.	Fit wire diameter	Main Dimensions					Weight (kg)
		L	D	H	a	L1	
FDY-1/2	12.0~16.0	300	40	81	50	95	1.5
FDY-2	12.0~16.0	370	46	81	50	130	2.4
FDY-2/3	16.0~18.0	370	46	81	50	150	2.5
FDY-3/4	18.0~22.5	450	56	97	60	150	4.1
FDY-3/5	22.5~30.0	450	56	97	60	150	4.5
FDY-4/5	22.5~30.0	500	62	97	60	175	5.6
FDY-4/6	30.0~35.0	500	62	97	60	175	5.8

Clamp is aluminium alloy and counter weight is grey cast iron, painted or hot-dip galvanized. The other parts are hot-dip galvanized steel

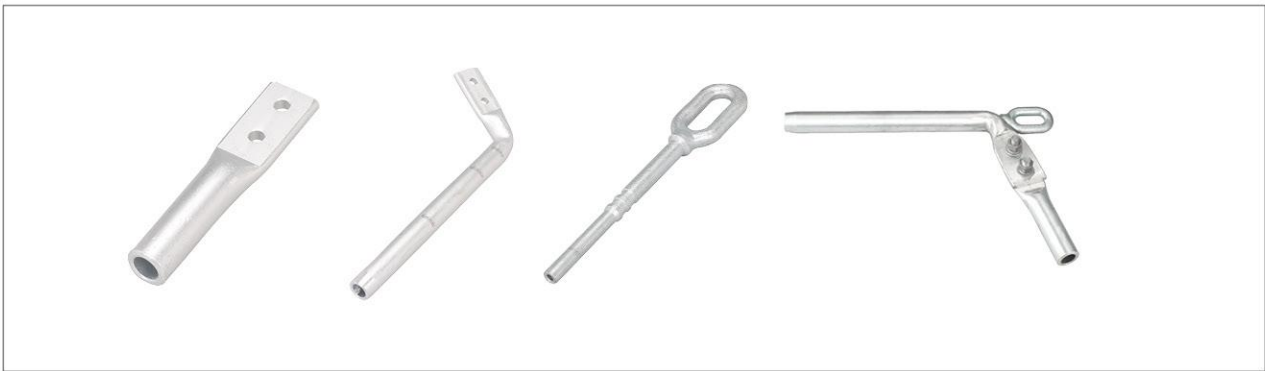
Preformed Guy Grip

Material:Hot-dip galvanized steel wire



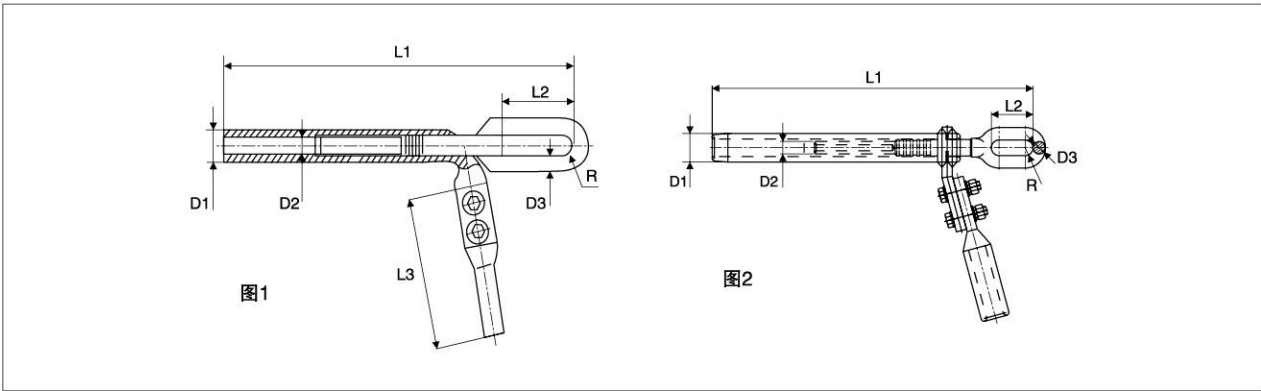
Type	Applicable conductor (mm ²)	Length (mm)	Rod diameter (mm)	No. of rods
WYNL-50/LJ	AAAC/AAC 50	685	3.00	3
WYNL-100/LJ	AAAC/AAC 100	800	3.50	3
WYNL-150/LJ	AAAC/AAC 150	889	4.00	4
WYNL-200/LJ	AAAC/AAC 200	1016	4.00	5
WYNL-50/8	ACSR 50/8	685	3.00	3
WYNL-100/8 ~20	ACSR 100/8~20	876	3.50	4
LRNL-150/8~35	ACSR 150/8~35	1016	4.00	5
LRNL-200/12~50	ACSR 200/12~50	1155	4.80	5

NY Hydraulic Compression Type Strain Clamps



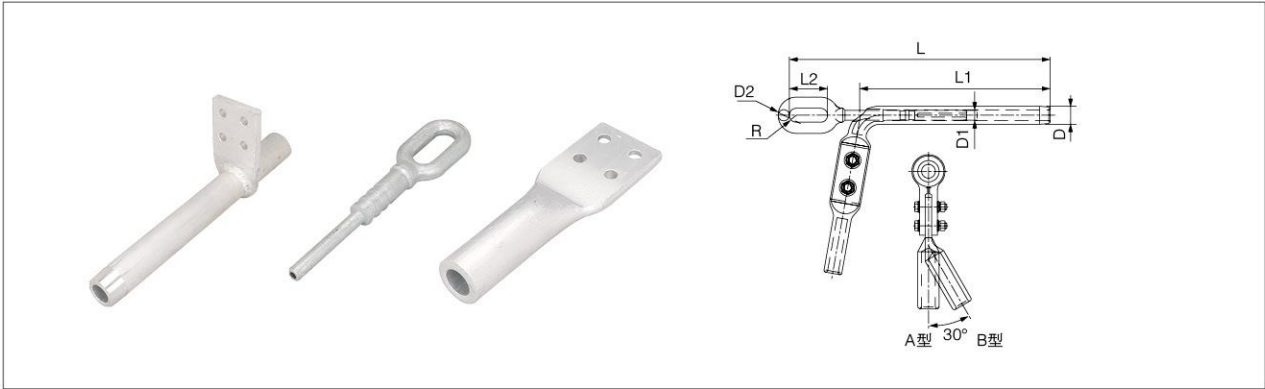
Type	Applicable conductor diameter(mm ²)
NY-95/15	LGJ-95/15
NY-95/20	LGJ-95/20
NY-120/20	LGJ-120/20
NY-120/25	LGJ-120/25
NY-150/20	LGJ-150/20
NY-150/25	LGJ-150/25
NY-150/35	LGJ-150/35
NY-185/25	LGJ-185/25
NY-185/30	LGJ-185/30
NY-185/45	LGJ-185/45

Strain Clamps for heat-resistant Aluminum alloy Stranded Conductor (hydraulic Compression Type)



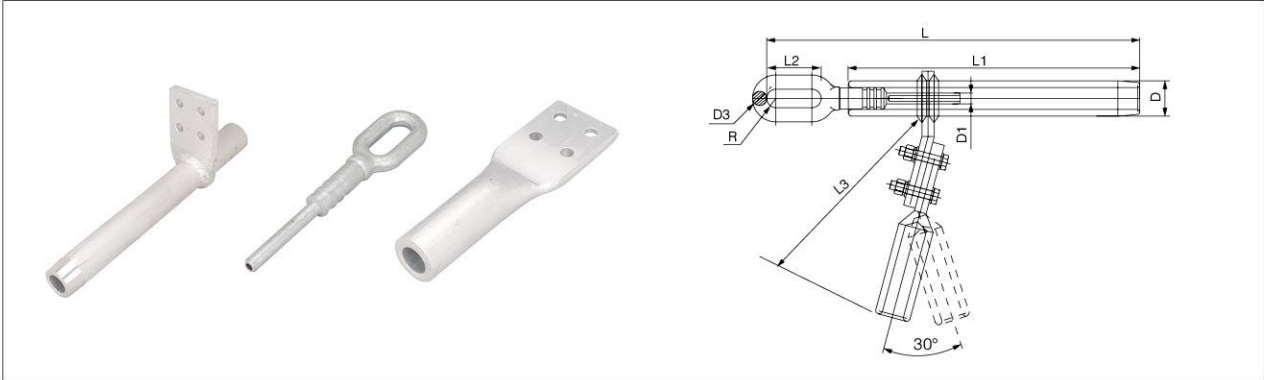
Catalog No.	Suitable Conductor(mm ²)	Dimensions(mm)							Weight (kg)	Diagram
		D1	D2	D3	R	L1	L2	L3		
NY-185/30N	NRLH ⁵⁸ ₆₀ GJ-185/30	36	16	16	10	545	55	245	4.2	1
NY-240/30N	NRLH ⁵⁸ ₆₀ GJ-240/30	45	18	18	10	545	55	295	4.4	1
NY-240/40N	NRLH ⁵⁸ ₆₀ GJ-240/40	45	18	18	10.5	610	60	295	4.4	1
NY-300/40N	NRLH ⁵⁸ ₆₀ GJ-300/40	50	18	18	12	575	65	325	6.5	1
NY-300/50N	NRLH ⁵⁸ ₆₀ GJ-300/50	50	18	18	12	575	65	325	6.5	1
NY-400/35N	NRLH ⁵⁸ ₆₀ GJ-400/35	55	18	20	13.5	605	65	340	7.5	1
NY-400/50N	NRLH ⁵⁸ ₆₀ GJ-400/50	55	20	20	13.5	605	65	340	7.6	1
NY-500/45N	NRLH ⁵⁸ ₆₀ GJ-500/45	65	20	20	14	615	70	170	8.1	2
NY-500/70N	NRLH ⁵⁸ ₆₀ GJ-500/70	65	22	26	17	645	90	357	8.3	2
NY-630/45N	NRLH ⁵⁸ ₆₀ GJ-630/45	70	20	22	16	690	70	365	8.6	2
NY-630/80N	NRLH ⁵⁸ ₆₀ GJ-630/80	70	26	26	17	720	80	365	8.8	2
NY-800/55N	NRLH ⁵⁸ ₆₀ GJ-800/55	72	20	26	19	750	80	345	9.0	2

Strain Clamps of Welding Hydraulic Compression Type



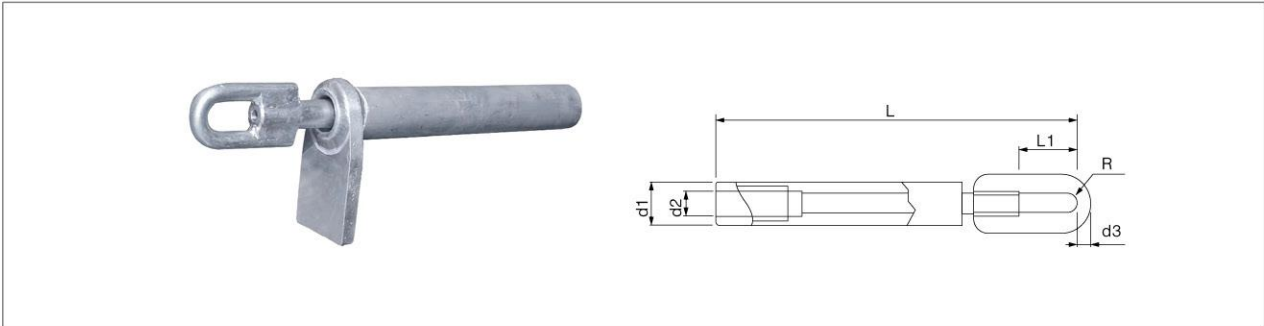
Type	Cable Size	Dimensions(mm)								Grip(kN)	Weight (kg)
		L	L1	L2	L3	D	D1	D2	R		
NY-50/8	LGJ-50/8	355	250	55	190	26	12	16	10	16.1	
NY-50/30	LGJ-50/30	405	300	55	190	30	14	16	10	40.5	1.59
NY-70/10	LGJ-70/10	385	280	55	200	26	12	16	10	22.3	1.28
NY-70/40	LGJ-70/40	455	350	55	200	32	18	16	10	55.4	1.90
NY-95/15	LGJ-95/15	385	280	55	205	26	14	16	10	33.3	1.25
NY-95/20	LGJ-95/20	385	280	55	205	26	14	16	10	35.4	1.29
NY-95/55	LGJ-95/55	495	380	65	205	34	20	18	11	74.2	2.26
NY-120/7	LGJ-120/7	385	280	55	205	30	12	16	10	26.2	
NY-120/20	LGJ-120/20	405	300	55	205	30	14	16	10	39.0	1.55
NY-120/25	LGJ-120/25	425	320	55	205	30	14	16	10	45.5	1.50
NY-120/70	LGJ-120/70	535	420	65	215	36	22	18	11	93.5	2.66
NY-150/8	LGJ-150/8	415	295	55	210	30	12	16	10	31.3	1.54
NY-150/20	LGJ-150/20	435	320	65	210	30	14	16	10	44.3	1.47
NY-150/25	LGJ-150/25	445	330	65	210	30	14	16	10	51.4	1.59
NV-150/35	LGJ-150/35	465	350	65	210	30	16	16	10	61.8	1.60
NY-185/25	LGJ-185/25	465	350	65	230	32	14	16	10	56.5	1.99
NY-185/30	LGJ-185/30	465	350	65	230	32	16	16	10	61.1	2.03
NY-185/45	LGJ-185/45	485	370	65	230	32	18	18	11	76.2	2.22
NY-240/30	LGJ-240/30	505	390	65	230	36	16	18	11	71.9	2.59
NY-240/40	LGJ-240/40	505	390	65	250	36	16	18	11	79.2	2.59
NY-240/55	LGJ-240/55	540	420	65	250	36	20	20	12	97.0	2.87
NY-300/20	LGJ 300/20	510	390	70	265	40	14	18	11	71.9	2.92
NY-300/25	LGJ-300/25	520	400	70	265	40	14	18	11	79.3	2.97
NY-300/40	LGJ-300/40	540	420	70	265	40	16	18	11	87.6	3.07
NY-300/50	LGJ-300/50	557	430	78	265	40	18	20	12	98.3	3.23
NY-300/70	LGJ-300/70	563	460	78	265	42	22	22	13	121.6	3.82
NY-400/20	LGJ-400/20	560	440	70	270	45	14	18	11	84.4	3.69
NY-400/25	LGJ-400/25	560	440	70	270	45	14	18	11	91.2	3.62
NY-400/35	LGJ-400/35	573	440	78	270	45	16	20	12	98.7	3.89
NY-400/50	LGJ-400/50	593	460	78	270	45	20	22	13	117.3	4.14
NY-400/65	LGJ-400/65	616	480	78	270	48	22	22	13	128.5	4.22
NY-400/95	LGJ-400/95	663	520	80	270	48	26	24	15	162.8	5.23

Strain Clamps of Welding Hydraulic Compression Type



Type	Cable Size	Dimensions(mm)								Grip(kN)	Weight(kg)
		L	L1	L2	L3	D	D1	D2	R		
NY-500/35	LGJ-500/35	598	480	78	260	52	16	22	13	113.6	4.85
NV-500/45	LGJ-500/45	598	480	78	260	52	18	22	13	121.7	4.90
NY-500/65	LGJ-500/65	628	510	78	260	52	22	22	13	146.3	4.97
NY-630/45	LGJ-630/45	608	490	78	290	60	18	22	15	141.3	7.05
NY-630/55	LGJ-630/55	635	510	80	290	60	20	24	15	156.2	7.34
NY-630/80	LGJ-630/80	675	550	80	290	60	24	24	15	183.3	9.85
NY-800/55	LGJ-800/55	725	580	100	335	65	20	26	17	182.0	10.16
NY-800/70	LGJ-800/70	775	630	100	335	65	22	26	17	196.7	
NY-800/100	LGJ-800/100	775	630	100	335	65	26	26	17	229.0	10.75

Terminal Strain Clamps

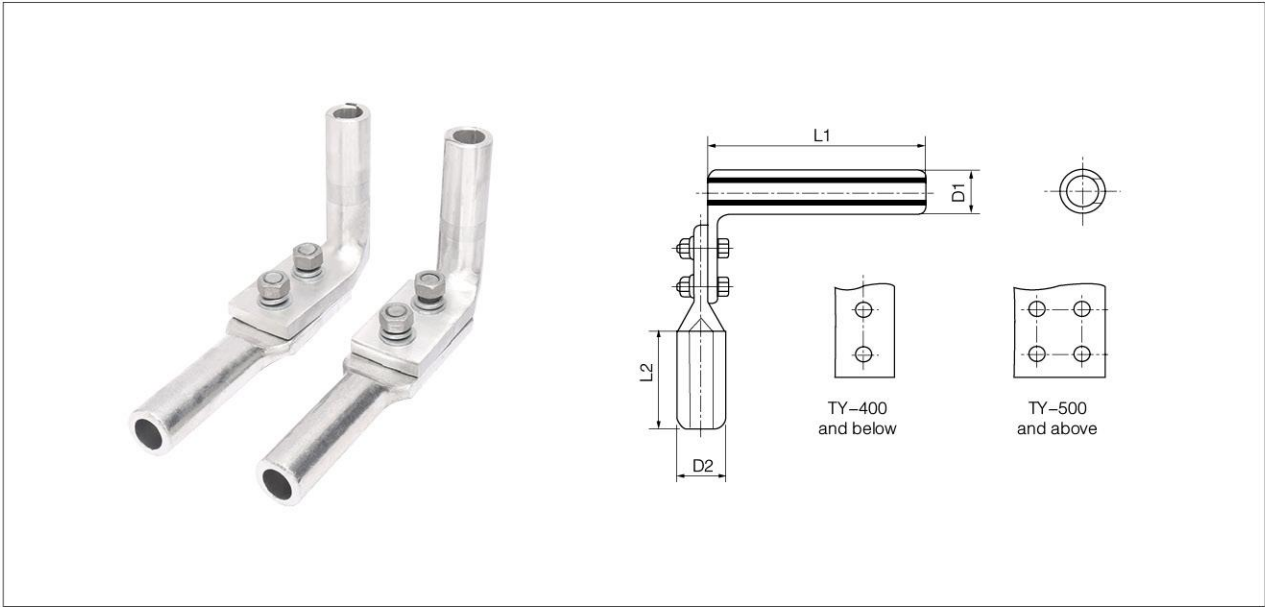


Drainage plate not included

Catalog No.	Suitable Conductor Type(mm ²)	Dimensions(mm)						Grip Strength(kN)	Weight(kg)
		d1	d2	d3	R	L	L10		
NZ-600K	LGKK-600	76	-	20	15	450	70	100	6.5
NZ-900K	LGKK-900	74	-	24	15	470	85	136	5.5
NZ-1400K	LGKK-1400	84	-	24	20	620	100	188	-
NZ-1400/120	LGJQT-1400/120	76	30	24	20	540	100	214	6.8
NZ-1400/135	LGJQT-1400/135	76	30	24	20	540	100	232	6.8
NZ-1440/120N	NAHLGJQ-1440	80	34	24	20	660	100	210	11.0
NZ-1440/135N	NAHLGJQ-1440	80	34	24	20	660	100	228	11.00

lamp bodies are aluminium alloy,the other parts are steel and hot-dip galvanized.

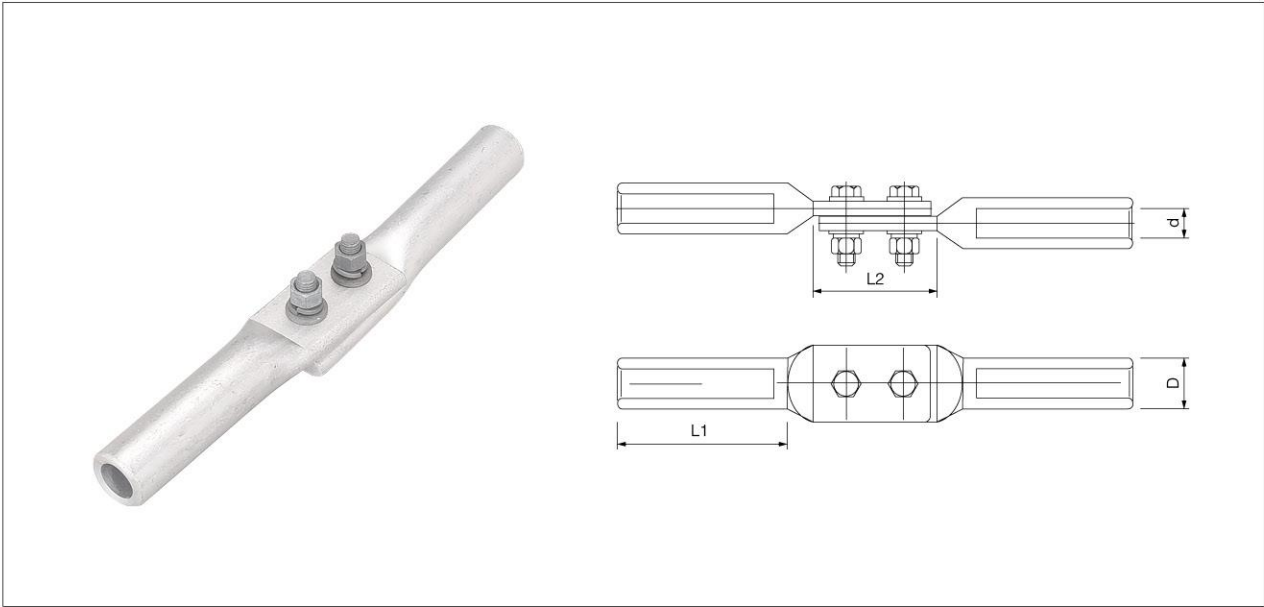
Terminal Strain Clamps



Type	Cable Size	Dimension (mm)			
		D1	D2	L1	L2
TY-35/6	LGJ-35/6	18	18	80	60
TY-50/8	LGJ-50/8	18	18	80	60
TY-70/10	LGJ-70/10	22	22	100	70
TY-95/15-20	LGJ-95/15-20	26	26	125	80
TY-120/7	LGJ-120/7	26	26	125	80
TY-120/20-25	LGJ-120/20-25	26		135	90
TY-150/8-20	LGJ-150/8-20	30	30		90
TY-150/25-35	LGJ-150/25-35	30	30	145	100
TY-185/10-30	LGJ-180/10-30	32	32		
TY-185/40	LGJ-180/40	34	34	155	100
TY-240/30-40	LGJ-240/30-40	36	36		
TY-240/55	LGJ-240/55	36	36	165	120
TY-300/15-20	LGJ-300/15-20	40	40	175	130
TY-300/25-40	LGJ-300/25-40	40			
TY-300/50	LGJ-300/50	40	45	185	150
TY-300/70	LGJ-300/70	42			
TY-400/20-35	LGJ-400/20-35	45	52		
TY-400/50	LGJ-400/50	45			
TY-400/65	LGJ-400/65	48	60		
TY-400/95	LGJ-400/95	48			
TY-500/35-45	LGJ-500/35-65	52	60		
TY-500/65	LGJ-500/65	52			
TY-630/45	LGJ-630/45	60			
TY-630/55-80	LGJ-630/55-80	60			

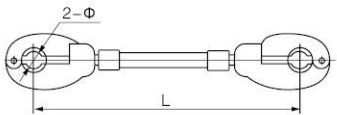
PLEASE PHONE US FOR SPECIAL SPECIFICATION AND TYPE

Jumper clamp JYT



Catalog No.	Suitable Conductor	Dimensions(mm)				Weight(kg)
		D	d	L1	L2	
JYT-35/6	LGJ-35/6	16	9.5	60	65	0.41
JYT-50/8	LGJ-50/8	18	11.0	60	65	0.45
JYT-70/10	LGJ-70/10	22	13.0	70	65	0.54
JYT-95/15	LGJ-95/15	26	15.0	80	65	0.62
JYT-120/7	LGJ-120/7	26	16.0	80	85	0.60
JYT-120/20	LGJ-120/20	26	16.5	80	85	0.58
JYT-150/8	LGJ-150/8	30	17.5	90	85	0.84
JYT-150/20	LGJ-150/20	30	18.0	90	85	0.84
JYT-150/25	LGJ-150/25	30	18.5	90	85	0.84
JYT-185/10	LGJ-185/10	32	19.5	90	85	0.94
JYT-185/25	LGJ-185/25	32	20.5	90	85	0.90
JYT-185/30	LGJ-185/30	32	20.5	90	85	0.90
JYT-210/10	LGJ-210/10	34	20.5	100	85	1.18
JYT-210/25	LGJ-210/25	34	21.5	100	85	1.14
JYT-210/35	LGJ-210/35	34	22.0	100	85	1.10
JYT-240/30	LGJ-240/30	36	23.0	110	85	1.21
JYT-240/40	LGJ-240/40	36	23.0	100	85	1.21
JYT-300/15	LGJ-300/15	40	24.5	110	105	1.74
JYT-300/25	LGJ-300/25	40	25.0	110	105	1.74
JYT-300/40	LGJ-300/40	40	25.5	110	105	1.74

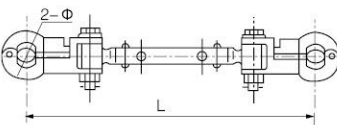
Spacer dampers for double conductor



Catalog No.	Suitable Conductor	Main Dimensions		Weight (kg)
		L	Φ	
JJB2-45/300	LGJ-300	450	22.5	2.6
JJB2-45/400	LGJ-400	450	27.5	2.5
JJB2-45/500	LGJ-500	450	28.2	3.1

The body and keepers are aluminium alloy, Dampers are elastomer, the other parts are hot-dip galvanized steel.

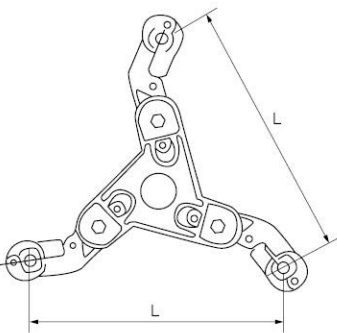
Spacer -Dampers



Catalog No.	Suitable Conductor	Main Dimensions		Weight (kg)
		L	Φ	
FJZ -240/300	LGJ-300/40~50	400	20~24	3.1
FJZ-240/400	LGJ-400/35~40	400	20~24	3.1

The body and keepers are aluminium alloy, Dampers are elastomer, the other parts are hot-dip galvanized steel.

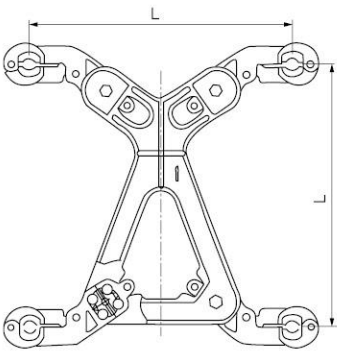
Spacer -dampers for Three-bundle conductor(330kV line)



Catalog No.	Suitable Conductor	Main Dimensions	Weight (kg)
		L	
FJZ3-35185	LGJ-185/25, 30, 45	350	3.5
FJZ3-35210	LGJ-210/25, 35, 50	350	3.5
FJZ3-35240	LGJ-240/30, 40, 55	350	3.5

The clamp are aluminium alloy, Dampers are elastomer, the other parts are hot-dip galvanized steel.

Spacer -dampers for Four-bundle conductor(330kV line)



Catalog No.	Suitable Conductor	Main Dimensions	Weight (kg)
		L	
JZJ4-35150	LGJ-150/20, 25, 35	350	4.6
JZJ4-35185	LGJ-185/25, 30, 45	350	4.6
JZJ4-35210	LGJ-210/25, 35, 50	350	4.6
JZJ4-35240	LGJ-240/30, 40, 55	350	4.6

The clamp are aluminium alloy, Dampers are elastomer, the other parts are hot-dip galvanized steel.

NLL, Tension Clamp

NLL series aluminum alloy strain clamp (Bolt type) is suitable for aerial line up to 35KV,fixing aluminum wire or steel core minium wire on the strain pole, aerial insulation aluminum conductor and insulation aluminum cover are being used together action is insulation protection.

Structure Feature

- The body is made of hith-strength aluminum alloy.
- Smooth surface long service life.
- Easy installation.
- No waste electric energy.



Type	Cable DIA(mm)	Breaking Load(KN)	U Bolt Qty
NLL-1	5.0-15.5	60	2
NLL-1A	5.0-15.5	60	2
NLL-1B	6.0-16.0	60	2
NLL-2	8.5-19.6	60	2
NLL-2A	5.0-15.5	60	2
NLL-2B	5.1-20.5	60	2
NLL-3	11.4-22.6	80	2
NLL-3A	11.4-22.6	80	3
NLL-3B	11.4-22.6	80	3
NLL-4	13-26.4	90	3
NLL-4A	13-26.4	90	3
NLL-1S	3-8.5	10	1
NLL-2S	3-15	30	2

Suspension clamps

Suspension clamps are used to hang conductor or ground wire through insulators or link fitting to tower arms or substation structures.The clamps are made of malleable iron or aluminium alloy.

The meanings of the letter & arabic figure in the catalog are shown as follow.

X- suspension clamp G- fixed S-double clamp U- U bolt J-strength H-aluminium alloy F-corona control

K- under axle type T-envelope type A - with a socket-clevis B- with U clevis X-hang-down type

The suspension angle of suspension clamps is not less than 25°C ,the radius of curvature is not less than the dia of installed leads by 8,and the percentage of the grip on different kinds of leads to the calculating capability of snap show in following table.

The percentage slip strength of suspension clamp to rated ultimate strength of conductors is shown in the following table.



XGU suspension clamp



XGU suspension clamp with U-clevis



XGU suspension clamp (with socket-clevis eye)



Suspension clamps for Twin jumper conductors



XGH aluminium alloy clamp(envelop type)



XGF suspension clamp (hang-down type)



XGF suspension clamp (carried-up type)



XT suspension clamp (for high height)



XGF suspension clamp



XGJ suspension clamp



XCS perpendicular double clamp



XG suspension clamp (for high height)

Conductor	Construction (Al/St)	Percentage %
ACSR	> 1.7	12
	4.0-4.5	18
	5.0-6.5	20
	7.0-8.0	22
	11.0-20.0	24
Steel wire	(Ultimate strength 1176-1274N/mm2)	14
Al-conductor		30

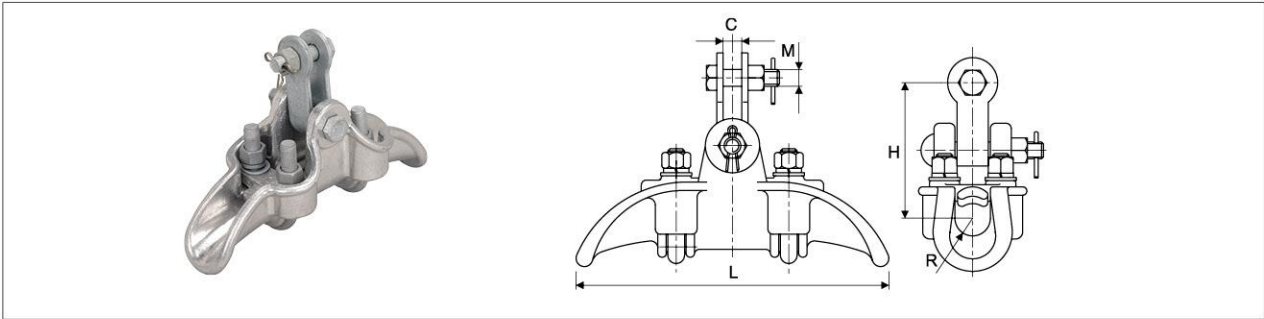
As the suspension clamps are used to AAC and ACSR, the conductor may be wound by aluminium tapes or preformed armour rods for protecting these taps or rods are included in the diameter of suitable conductor.

Suspension Clamps XG

The clamp body and keepers are malleable iron.

cotter-pins are stainless steelthe other parts are steel.

All ferrous parts are hot-dip galvanized.



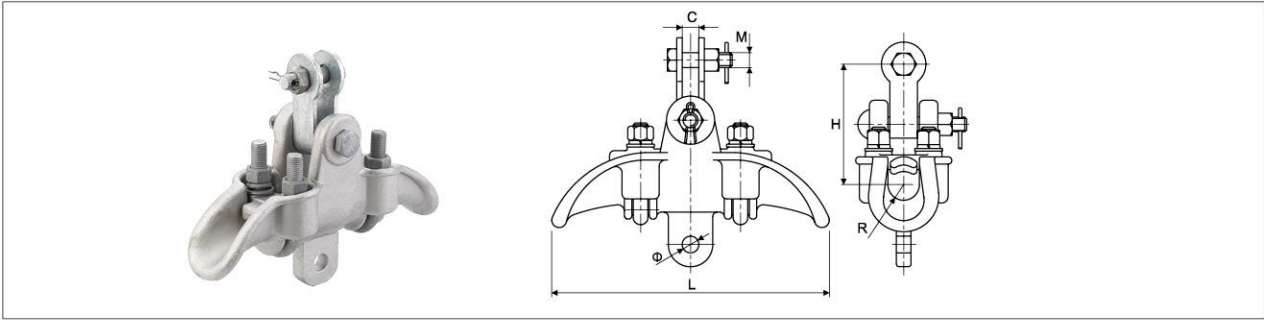
Type	Adaptable wire diameter (incl. wrapping mm)	Main Dimensions					Nominal failure load (kN)	Reference weight (kg)
		L	C	R	H	M		
XG-4022	13.2-22.0	210	20	11	120	16	40	1.75
XG-4028	19.6-28.0	250	20	14	130	16	40	2.56
XG-4034	27.4-34.0	300	20	17	130	16	40	3.35
XG-6028	19.6-28.0	250	20	14	130	16	60	2.56
XG-6034	27.4-34.0	300	20	17	130	16	60	3.35
XG-6040	32.0-40.0	300	20	20	135	16	60	3.57
XG-6046	36.8-46.0	330	20	23	135	16	60	3.95
XG-8034	27.4-34.0	300	20	17	130	16	80	3.35
XG-8040	32.0-40.0	300	20	20	140	16	80	3.95
XG-8046	36.8-46.0	330	20	23	140	16	80	3.95
XG-8054	43.2-54.0	345	20	27	150	16	80	4.8

Suspension Clamps XT

The clamp body and keepers are malleable iron.

cotter-pins are stainless steelthe other parts are steel.

All ferrous parts are hot-dip galvanized.

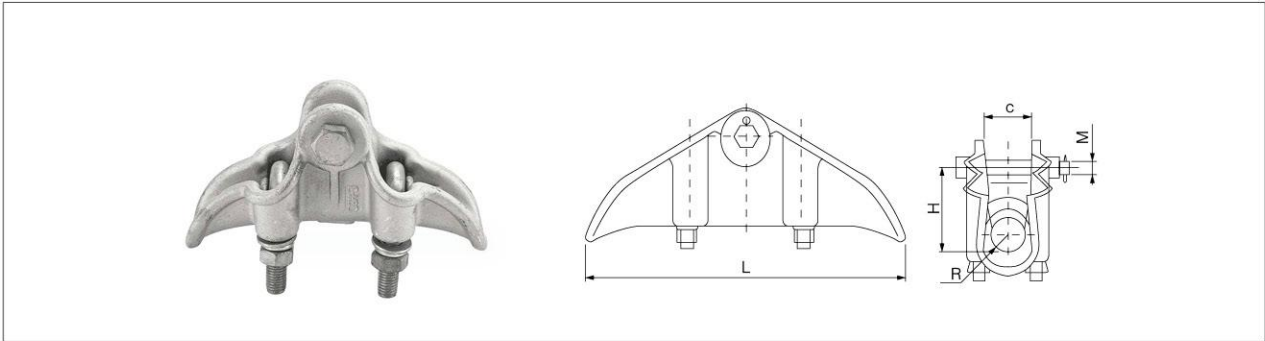


Type	Adaptable wire diameter (incl. wrapping mm)	Main Dimensions						Nominal failure load (kN)	Reference weight (kg)
		L	C	R	H	M	Φ		
XT-4022	13.2~22.0	180	20	11	120	16	18	40	2.10
XT-4028	19.6~28.0	250	20	14	130	16	18	40	2.76
XT-4034	27.4~34.0	280	20	17	130	16	18	40	3.55
XT-4040	32.0~40.0	300	20	20	135	16	18	60	3.87
XT-6028	19.6~28.0	250	20	14	130	16	18	60	2.76
XT-6034	27.4~34.0	300	20	17	130	16	18	60	3.55
XT-6040	32.0~40.0	300	20	20	135	16	18	60	3.87

Please phone us for special specification and type

Suspension Clamps XGT

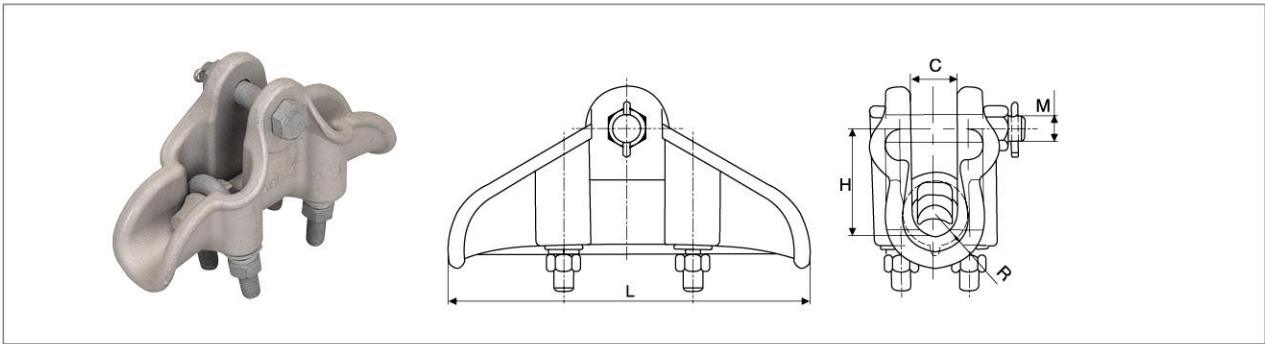
The clamp body and keepers are malleable iron.
copper-pins are stainless steelthe other parts are steel.
All ferrous parts are hot-dip galvanized.



Catalog No.	Applicable Conductor(mm)	Dimensions(mm)					Specified Failure Load(kN)	Weight (kg)
		H	C	M	R	L		
XGT-1	5.0~7.0	60	18	18	4.0	180	40	3.3
XGT-2	7.1~13.0	75	18	18	7.0	200	40	4.9
XGT-3	13.1~21.0	75	27	16	11.0	220	40	5.6
XGT-4	21.1~26.0	75	27	16	13.5	250	40	6.5
XGT-5	23.0~33.0	81	38	16	17.0	300	60	8.7
XGT-6	34.0~45.0	89	46	16	23.0	300	60	9.8

Suspension Clamps XGH

The clamp body and keepers are aluminium alloy,
copper-pin is stainless steel.
the other parts are hot-dip galvanizde steel.



Catalog No.	Applicable Conductor(mm)	Dimensions(mm)					Specified Failure Load(kN)	Weight (kg)
		H	C	M	R	L		
XGH-2	5.1-12.5	52.5	25	16	8	166	40	1
XGH-3	12.4-17.0	50.5	23	16	11.5	200	40	1.5
XGH-3A	12.4-17.0	50	22	16	10	180	50	1.5
XGH-4	19.0-23.5	59.5	27	16	13.5	225	40	2.3
XGH-5	24.2-28.0	70	32	16	16	260	60	3.0
XGH-6	25-35	68	35	16	17.5	216	60	3.6

Substation Fitting

Bus-bar supports are used to fix or hang bus-bars on insulators at the substation,including rectangular channel,tube bus and cable supports in accordance with bus type.

The meaning of letter & arabic figures in the catalog are shown as follow.

M-bus W-outdoor G-tubular spacer Y-round P-horizontal mounting J-rectangular C-channel N-indoor D-hanging single-cable S-double bus H-ring L-vertical mounting.

The arabic figures show piece,size of bus and order.

Visible corona for system voltage up to 330KV or higher,test voltage should be 1.05 of the max,operating voltage of the system.



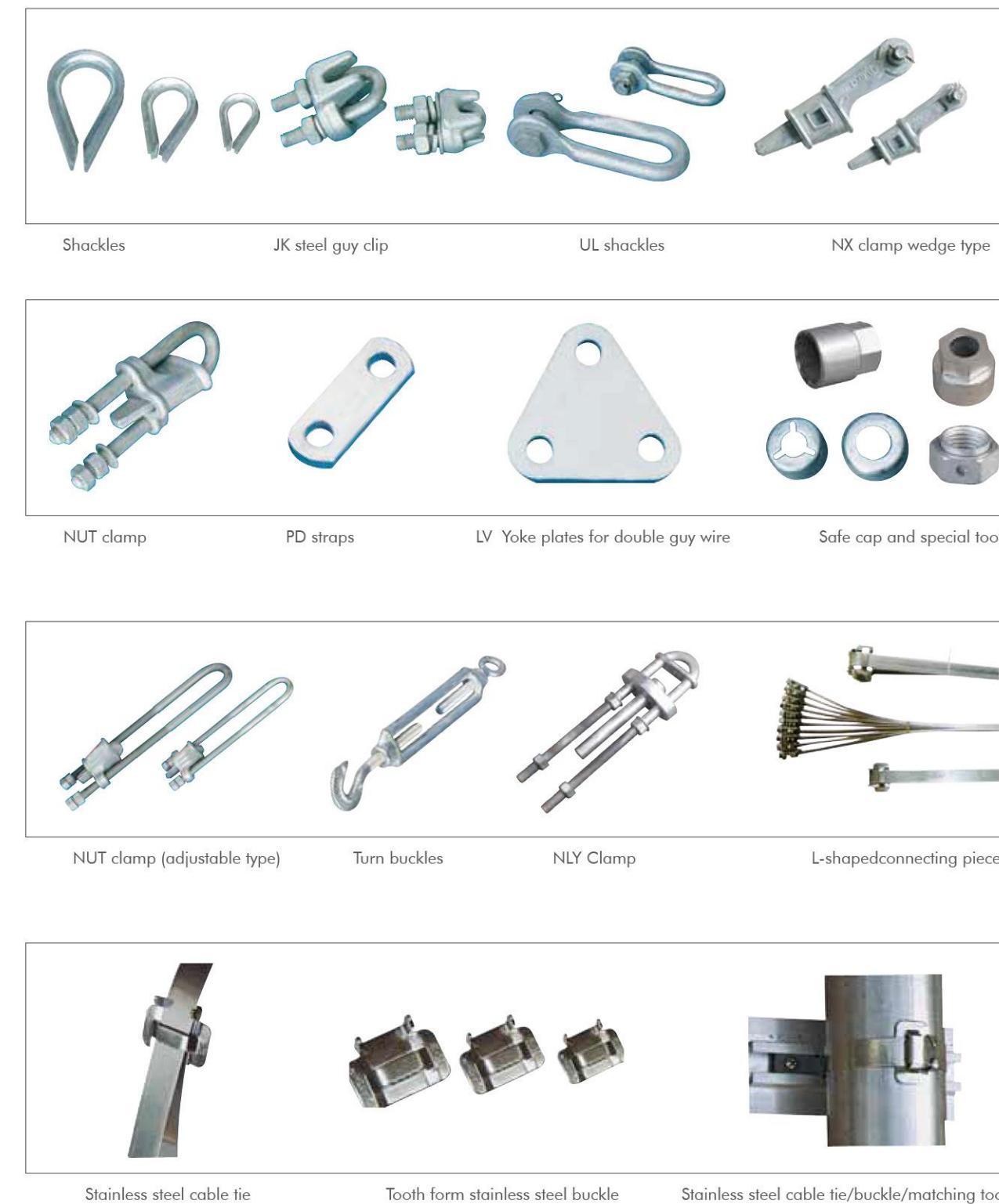
Substation Fitting



Protective fitting

Guy wire fittings are mainly used for fixing guy wire tower arms, including all parts from tower arms to ground guy wire, Safe traffic of guy wire fittings mainly depends on guy wire and guy wire fittings.

According to the service conditions, guy wire fittings are divided into fastenong/adikstong amd connecting, containing 12 series fotally. Strain guy wire clamp has two types which are wedge type and compression joint.



Installation Presentation diagram



Please phone us for special specification and type



Eye bolt Socket Tongue Ball Clevis



Turnbuckle Strap Insulator Pin/Spindle



Yoke Plate Thimble Nut Pig Tail Bolt

Please phone us for special specification and type



Ball Hook

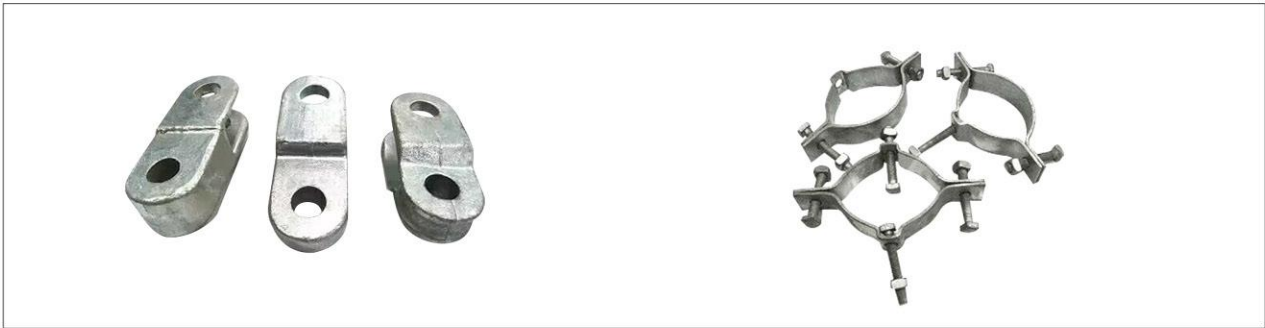
D-Iron

Eye Nut



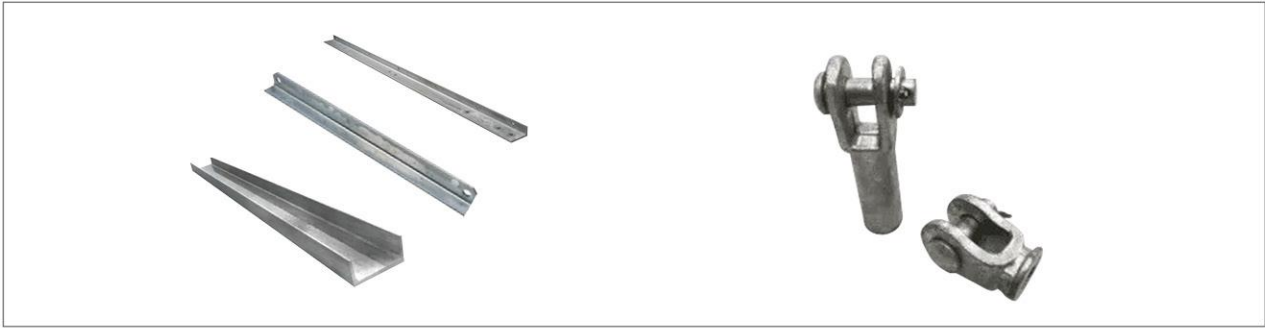
Ball Eye

Clevis Thimble



Eye Clevis

Bracket

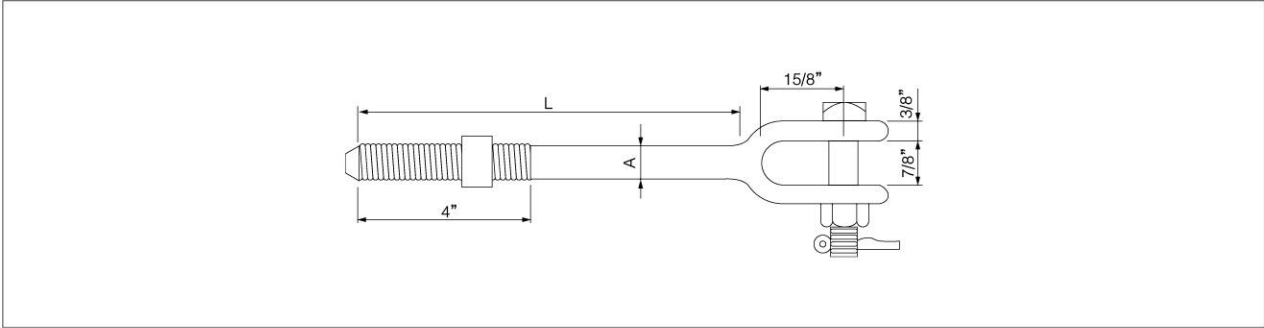


Cross Arm

Clevis Nut

Carriage Bolts

Clevis bolts are used to provide dead end connections to eyes or links. Clevis end includes 1/2" diameter machine bolt with nut and a stainless steel self locking cotter pin to provide a secure vibration proof assembly.



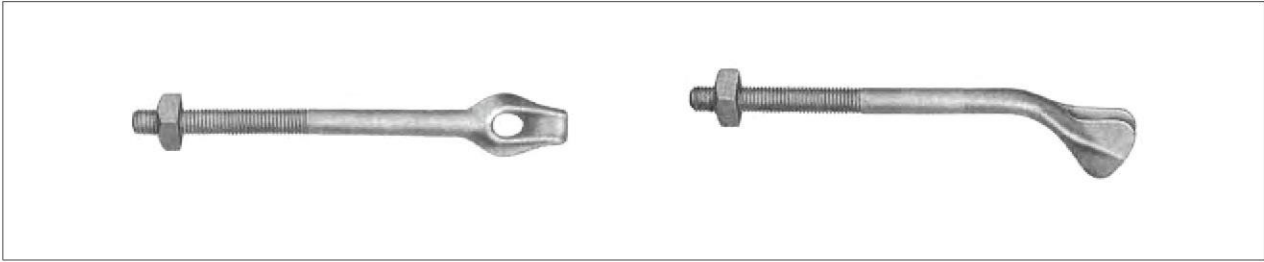
Catalog number	Size (in) (A×L)	Thread Length (in)	Weight /100 (lbs)
WY7810	5/8×10	4	172
WY7812	5/8×12	4	192
WY7814	5/8×14	4	208

Straight STYLE

5/8" Diameter-Minimum Tensile Stength 13,550 lbs

Catalog number	Bolt Length	Thread Length (in)	Weight /100 (lbs)
WY8051	10	4	142
WY8052	12	6	/
WY8053	14	6	172
WY8054	16	6	186
WY8055	18	6	204

3/4" Diameter-Minimum Tensile Stength 20,500 lbs



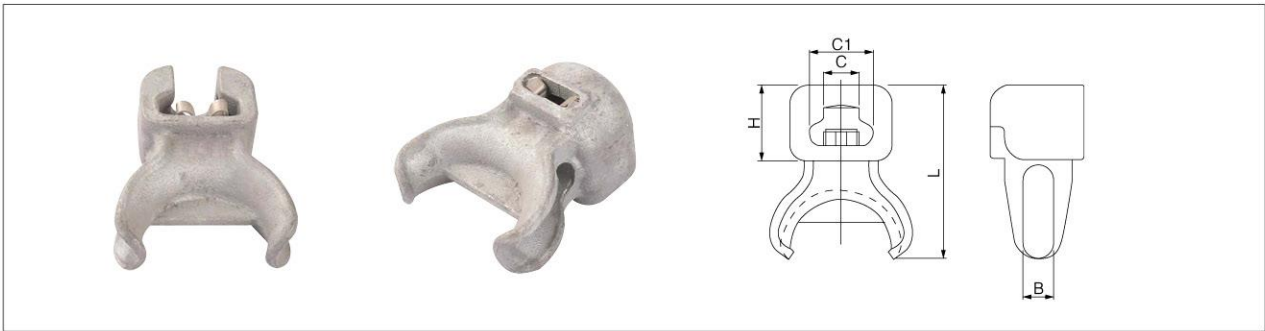
Catalog number	Bolt Length	Thread Length (in)	Weight /100 (lbs)
WY8062	12	6	228
WY8063	14	6	256

DIRON



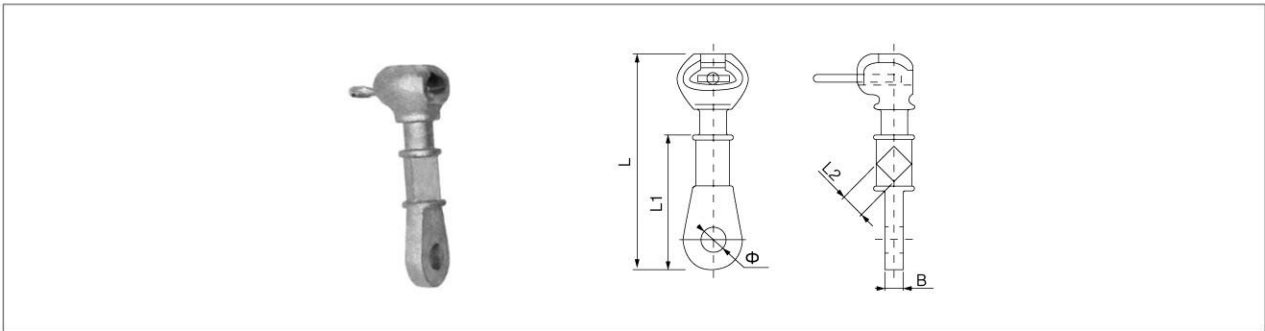
Size	T	H	L	Φ	M
8×45×105×120	8	105	120	18	M16
5×40×80×110	5	80	110	18	M16
6×38×80×108	6	80	108	18	M16
6×40×80×120	6	80	120	18	M16
4×40×70×100	4	70	100	16	M16

Socket Clevis



Product Code	Main dimension(mm)					Weight
	B	C	C1	H	L	kg
J127	17	20	37	39	94	0.65

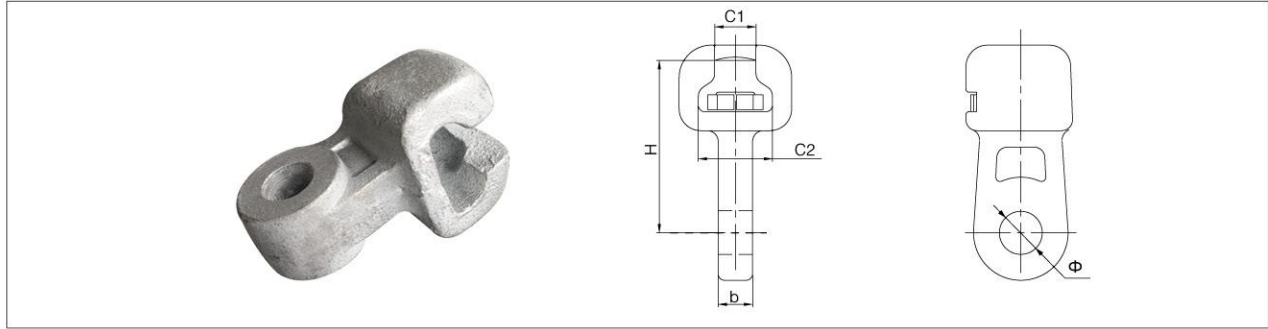
Socket Clevis



Product Code	Model	Main dimension(mm)					Failure load	Weight
		L	L1	B	Φ	L2	≥ (kN)	kg
J123	W1-7R	175	109	15	21	20	70	0.85

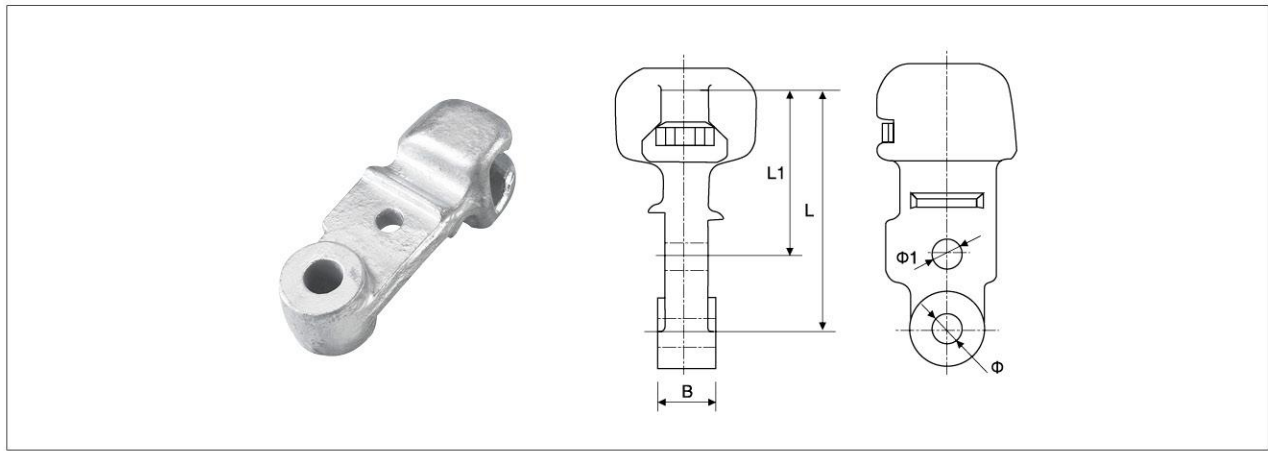
W Socket Eye

Material:Hot dip galvanized steel W type pin made of stainless steel



Type	Dimension(mm)					Failure load	Weight
	b	C1	C2	H	Φ	≥ (kN)	kg
W-7A	16	19.2	34.5	70	20	16	70
W-7B	16	19.2	34.5	115	20	16	70
W-10	18	19.2	34.5	85	20	16	100
W-12	20	19.2	34.5	90	24	16	120

Socket Clevis (W Type)

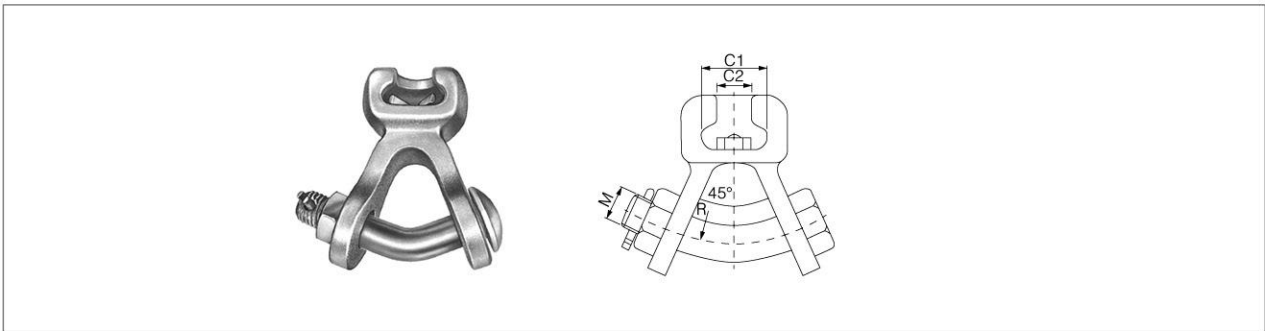


Product Code	Main Dimension(mm)					Failure load	Weight
	L	L1	B	Φ	Φ1	≥ (kN)	kg
J117	124	70	16	18	14	70	1.15

Line Hardware

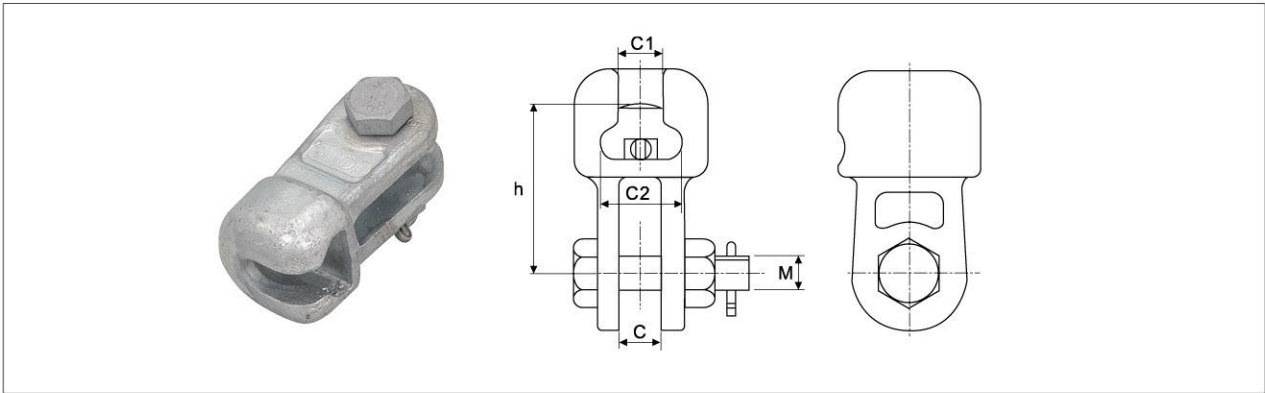
WSY Socket clevis

Material:Hot dip galvanized steel W type pin made of stainless stee



Type	Dimension(mm)				Link Marker	Failure Load(KN)
	C1	C2	M	R		
WSY-21	42.2	23	27	100	20	210
WSY-30	51	27.5	30	110	24	300

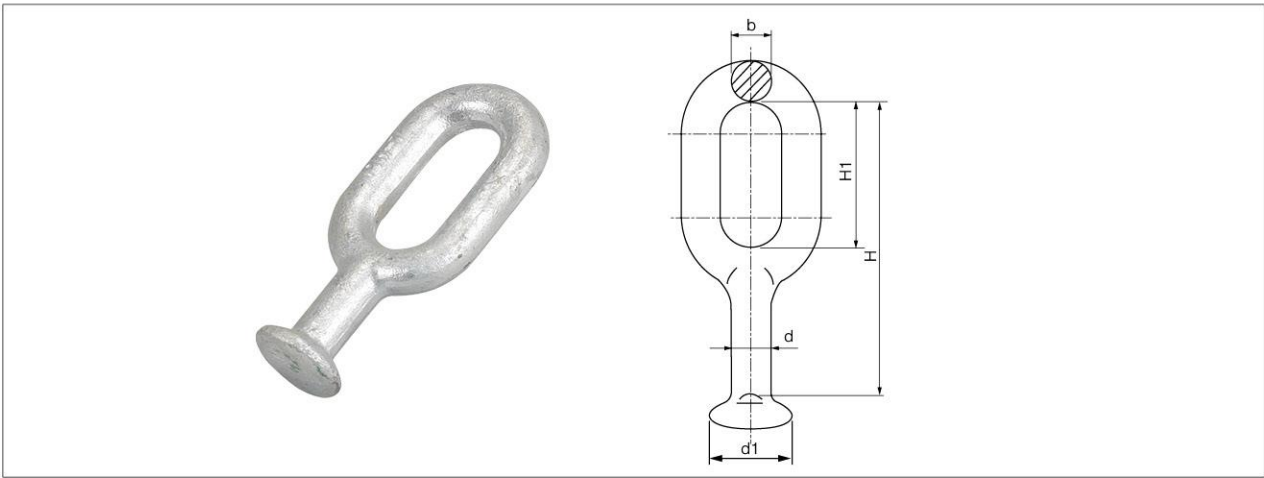
Socket Clevis (WS Type)



Product Code	Main Dimension(mm)					Failure load ≥ (kN)
	C	C1	C2	M	H	
J118	18	19.2	34.5	16	70	70
J119	20	19.2	34.5	18	85	100
J120	24	19.2	34.5	22	85	120
J121	26	23	42.5	24	95	160
J122	30	23	42.5	27	100	210

QH Ball Eye

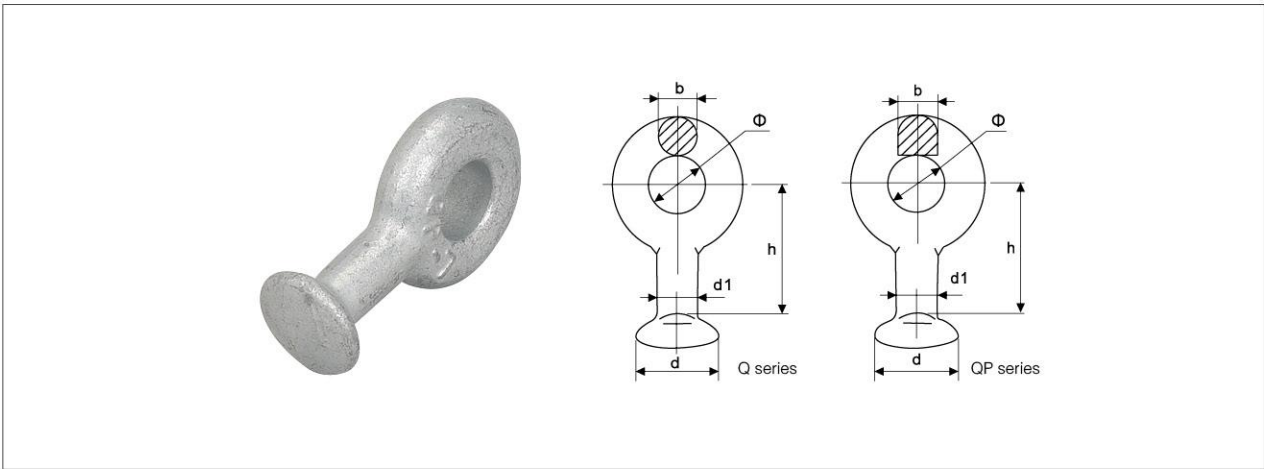
Material: Hot Dipped galvanized Steel



Type	Dimension(mm)					Link Marker	Failure Load(KN)
	b	d	d1	H	H1		
QH-7	16	17	33.3	100	57	16	70
QH-10	18	17	33.3	110	57	16	100
QH-12	19	17	33.3	120	65	16	120
QH-16	18	21	41	127	45	20	160

Q/QP Ball Eye

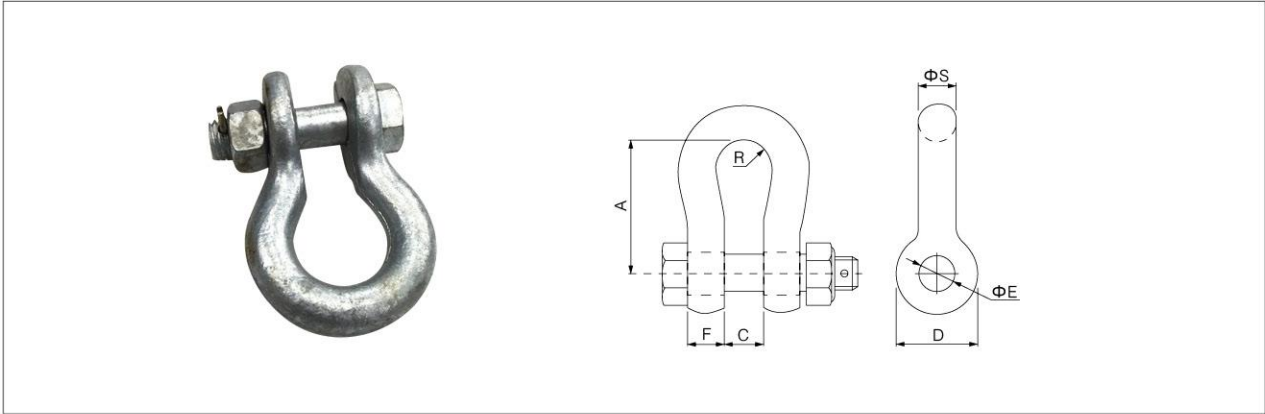
Material: Hot Dipped galvanized Steel



Type	Dimension(mm)					Link Marker	Failure Load(KN)
	d	Φ	b	d1	h		
Q-7	17	22	16	33.3	50	16	70
QP-7	17	22	16	33.3	50	16	70
QP-10	17	22	16	33.3	50	16	100
QP-12	17	24	16	33.3	50	16	120
QP-16	21	26	20	41	60	20	160

D Shackles

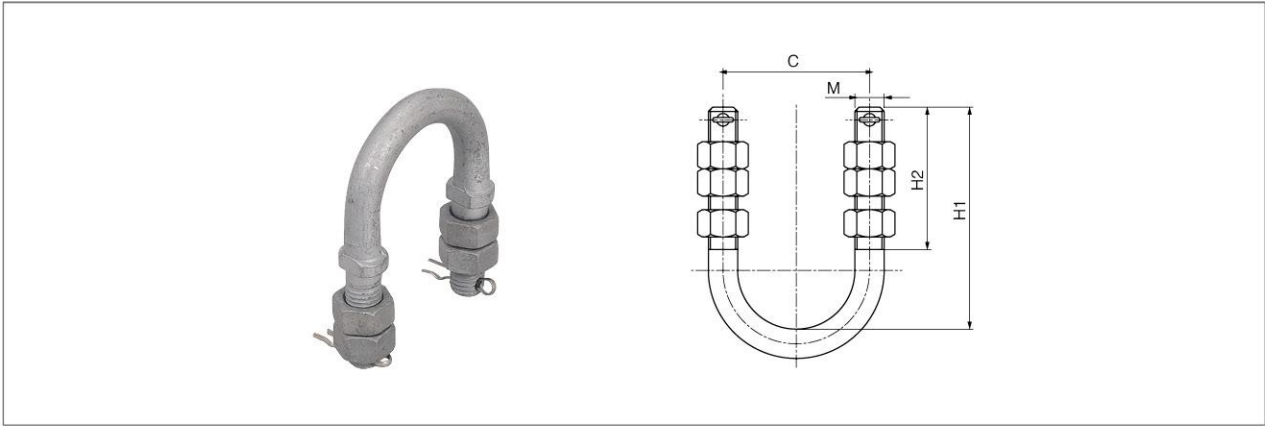
Material:Hot dip galvanized steel R type pin made of stainless steel



Dimension(mm)							Failure Load(KN)
A	C	D	E	F	R	S	
70	19	35	18	9.5	16	16	70
76	21	54	22	13	19	19	120

Line Hardware U-Bolts

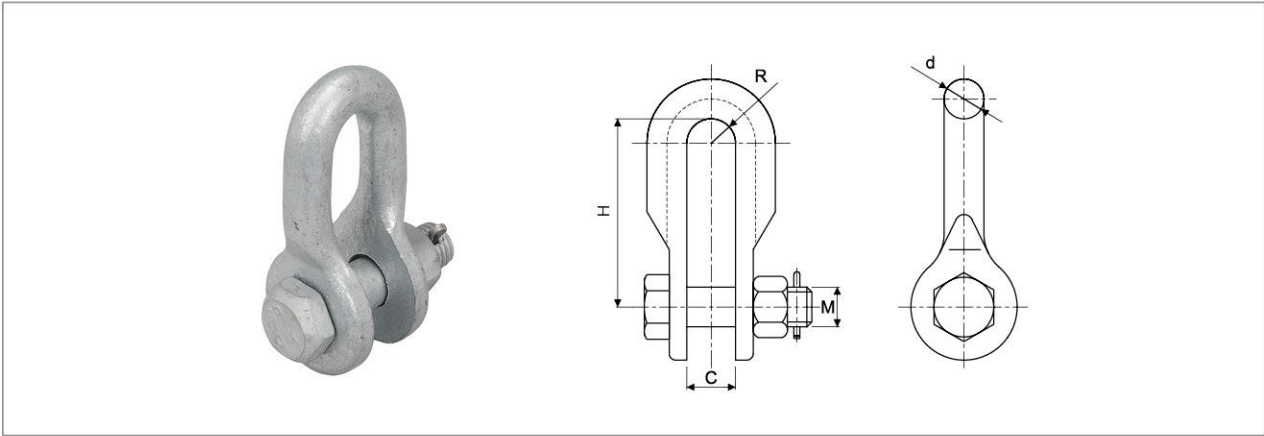
Material:Hot dip galvanized steelb R type pin made of stainless steel



Type	Dimension(mm)				Failure Load(KN)
	C	M	H1	H2	
U-1880	80	18	110	75	35
U-2080	80	20	120	80	47
U-2280	80	22	130	90	57

Line Hardware U Anchor Shackles

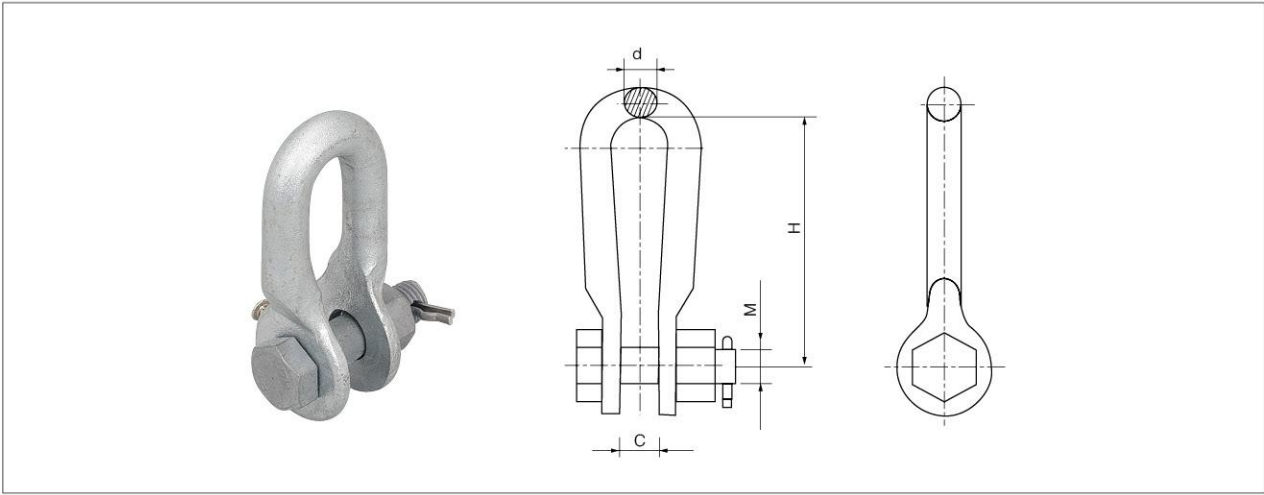
Material:Hot dip galvanized steel R type pin made of stainless steel



Type	Dimension(mm)					Failure Load(KN)
	C	M	d	H	R	
U-7	20	16	16	80	10	70
U-10	22	18	18	85	11	100
U-12	24	22	20	90	12	120
U-16	26	24	22	95	13	160

UL Anchor Shackles

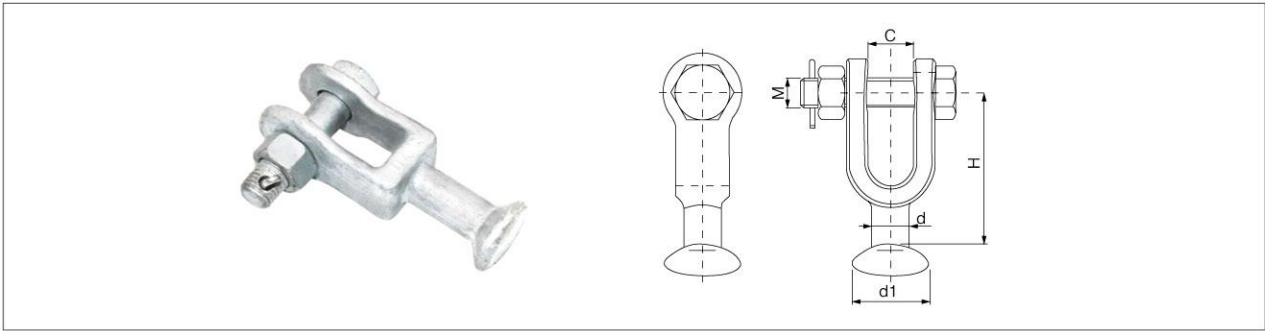
Material:Hot dip galvanized steel W type pin made of stainless steel



Type	Dimension(mm)					Failure Load(KN)
	C	M	d	H	R	
UL-7	20	16	16	120	10	70
UL-10	22	18	18	140	11	100
UL-12	24	22	20	140	12	120
UL-16	26	24	22	140	13	160

Q-U Ball Eye

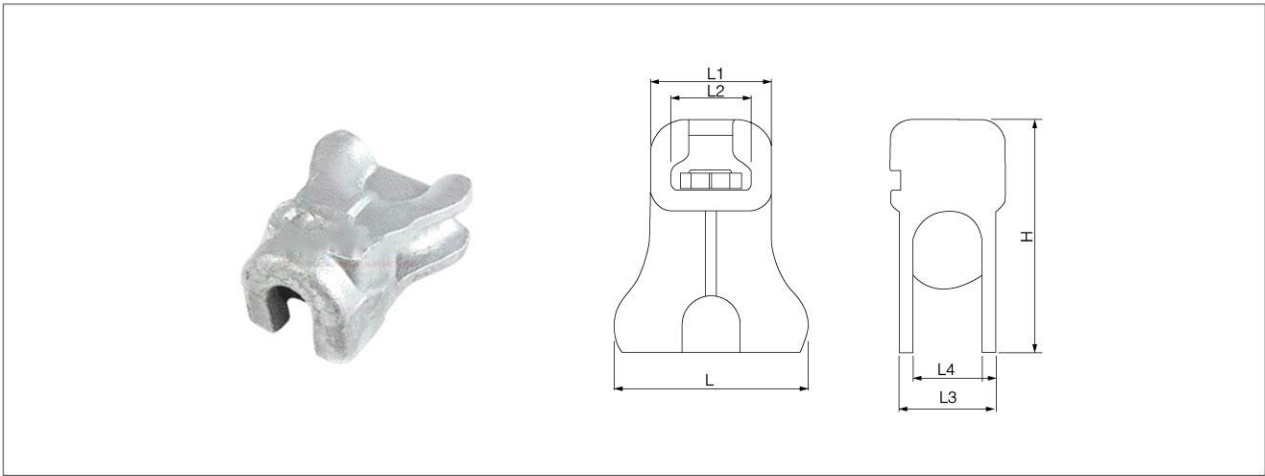
Material: Hot dip galvanized steel R type pin made of stainless steel



Type	Dimension(mm)					Failure Load(KN)
	H	d	d1	M	C	
Q-7U	80	17	33.3	16	18	70
Q-10U	80	17	33.3	18	20	100
Q-12U	95	17	33.3	22	22	120
Q-16U	80	21	41	24	22	160

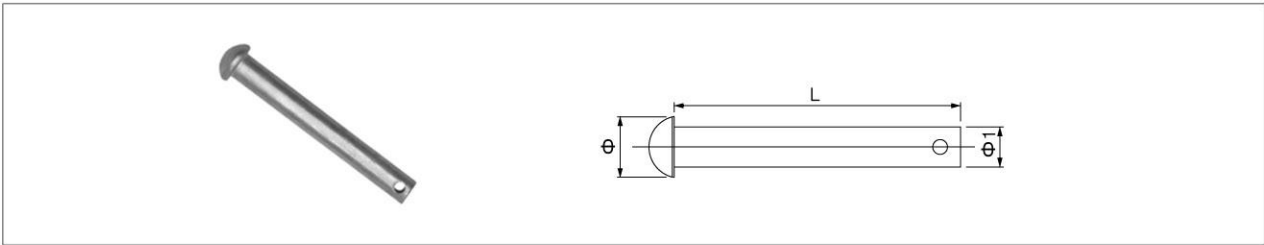
Soc ket Thimble

Material:Hot dip galvanized steel R type pin made of stainless steel



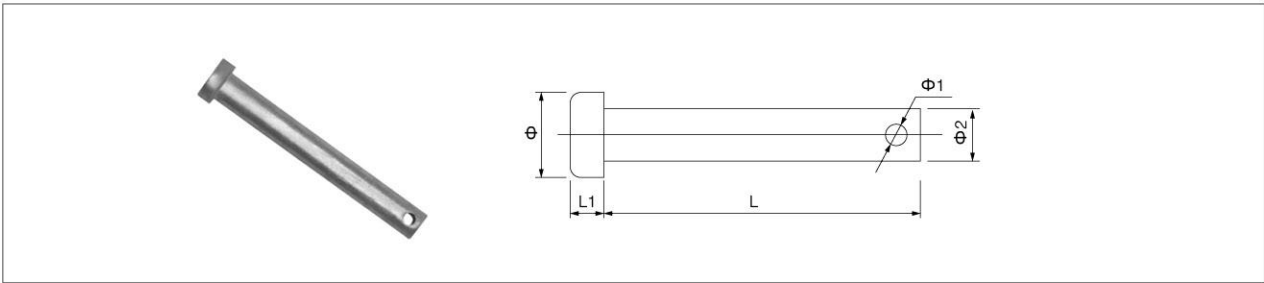
Type	Dimension(mm)						Failure Load(KN)
	L	L1	L2	L3	L4	H	
DDT-07	75	55	35	37	23	97	70

PIN



Product Code	Main dimension(mm)		
	L	Φ	Φ1
PXB01-2	80	20	12.5
PXB01	40	20	12
PXB01-6	70	20	12
PXB03-20	51	22	16
PXB03-2	60	24	16
PXB03-16	65	24	16
PXB03-24	70	24	16
PXB03-5	114.3	24	16
PXB03-7	1 15	22	16
PXB03-13	540	22	16
PXB03-11	743	22	16
PXB01-1	45	20	12
PXB03-18	60	24	16
PXB03-3	50	22	16
PXB03-8	45	25	16
PXB01-4	50	20	12
PXB05-1	80	30.5	18
PXB06	75	27	19

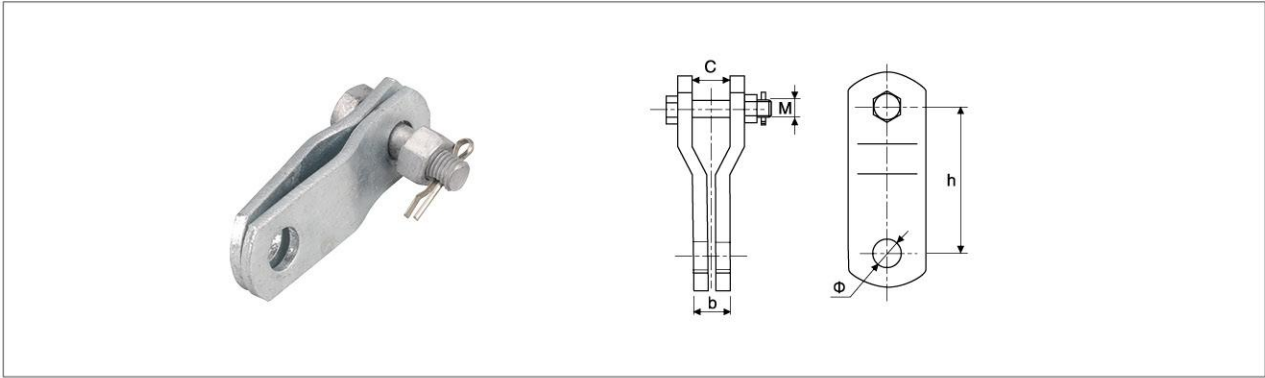
PIN



Product Code	Main dimension(mm)					Weight kg
	L	L1	A	Φ	Φ1	
PXA12-3	45	3	23	4	12	0.048
PXA12-1	75	8	20	5	12	
PXA16-2	58	5	23	6	16	0.096
PXA16-4	110	5	25	6	16	
PXA14-1	50	6	21.5	4	14.3	0.07

PS Clevis

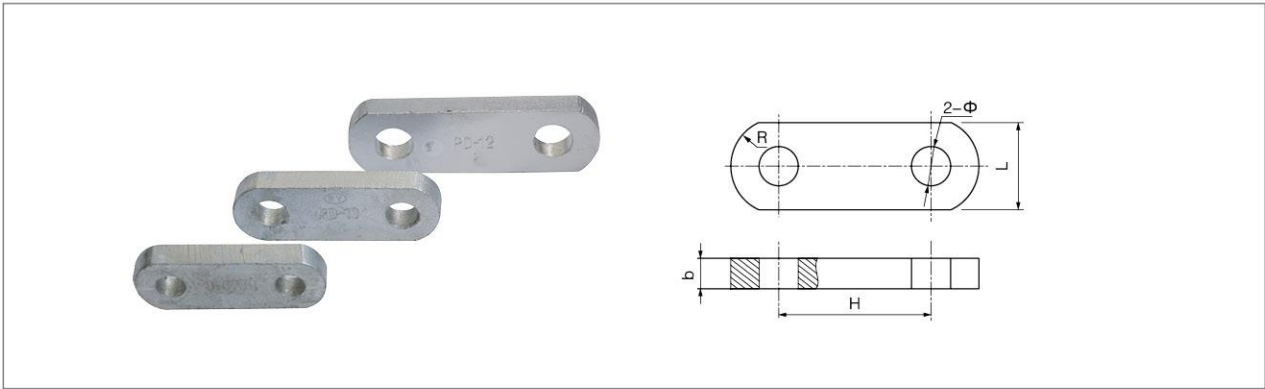
Material: Hot dip galvanized steel R type pin made of stainless steel



Type	Dimension(mm)					Failure Load(KN)
	C	b	M	H	Φ	
PS-7	18	16	16	90	20	70
PS-10	18	18	18	100	22	100
PS-12	24	20	22	95	24	120
PS-16	26	24	24	155	26	160

PD Link Clevis

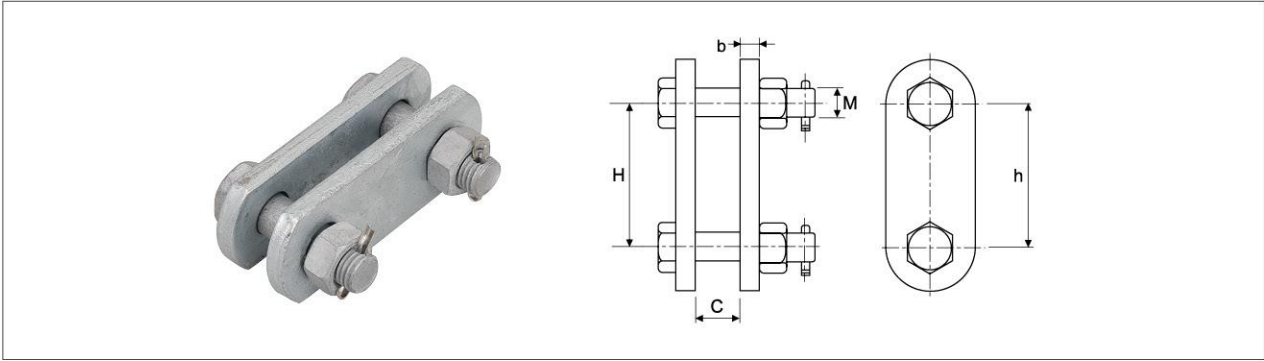
Material: Hot dip galvanized steel



Type	Dimension(mm)					Failure Load(KN)
	Φ	H	b	L	R	
PD-7(PD-0770)	18	70	16	40	26	70
PD-10(PD-1080)	20	80	16	36	26	100
PD-12(PD-12100)	24	100	16	50	24	120
PD-16	26	100	18	60	35	160

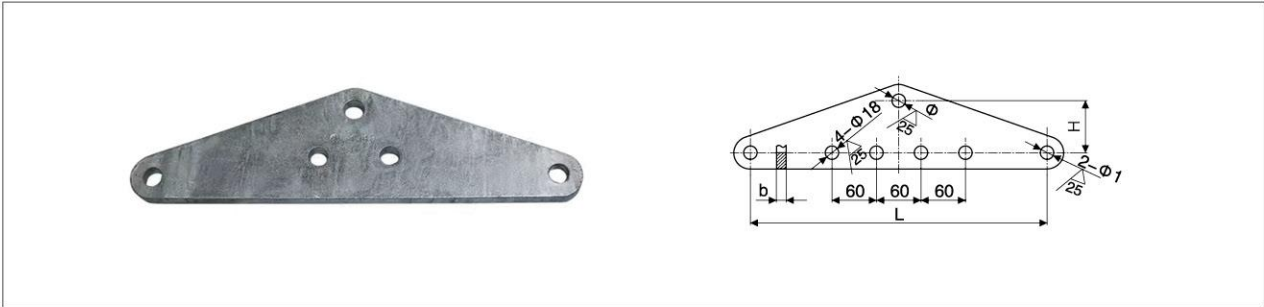
P Extension Link Clevis

Material: Hot dip galvanized steel R type pin made of stainless steel



Type	Dimension(mm)				Failure Load(KN)
	b	C	M	H	
P-7	6	18	16	70	70
P-10	8	20	18	80	100
P-12	10	24	22	90	120
P-16	12	26	24	100	160

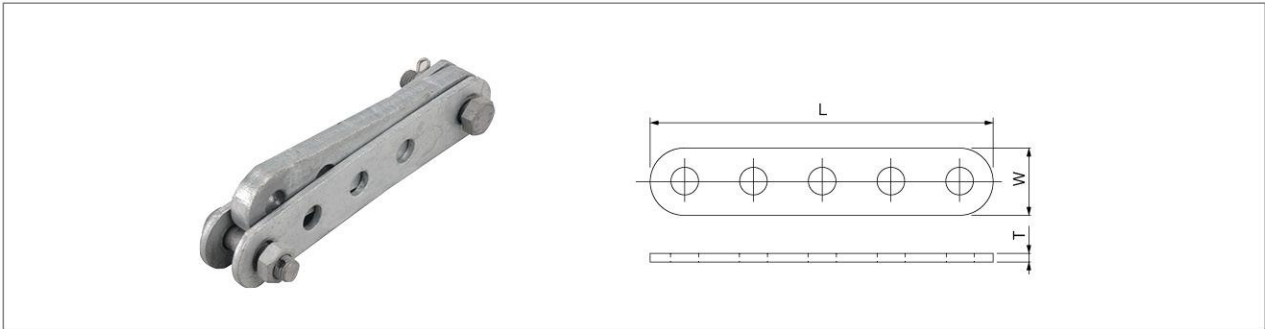
Triangular plate



Type	Dimension(mm)						Failure Load(KN)
	H	L	b	b	Φ	Φ1	
L-07-70/600	70	600	-	16	18	18	70
L-10-70/400	70	400	-	16	20	18	100
L-10-70/500	70	500	-	16	20	18	100
L-10-100/450	100	450	-	16	20	18	100
L-10-100/500	100	500	-	16	20	18	100
L-10-100/600	100	600	-	16	20	18	100
L-12-70/400	70	400	-	16	24	18	120
L-12-100/450	100	450	-	16	24	18	120
L-12-100/500	100	500	-	16	24	18	120
L-12-100/600	100	600	-	16	24	18	120
L-16-100/400	100	400	-	18	26	20	160
L-16-100/450	100	450	-	18	26	20	160
L-16-100/500	100	500	-	18	26	20	160
L-16-100/600	100	600	-	18	26	20	160

Line Hardware

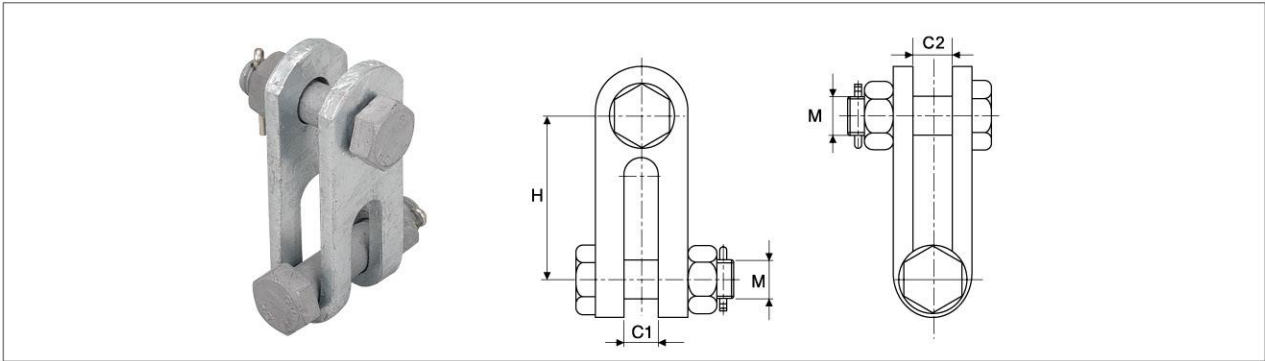
Extension Straps



Type	Dimension(mm)		
	L	W	T
T614-2	235	40	6
T615	224	44	6
T618	248	48	8
T633	220	40	14
T634	239	44	16
T635	263	48	16

Z Link Plate

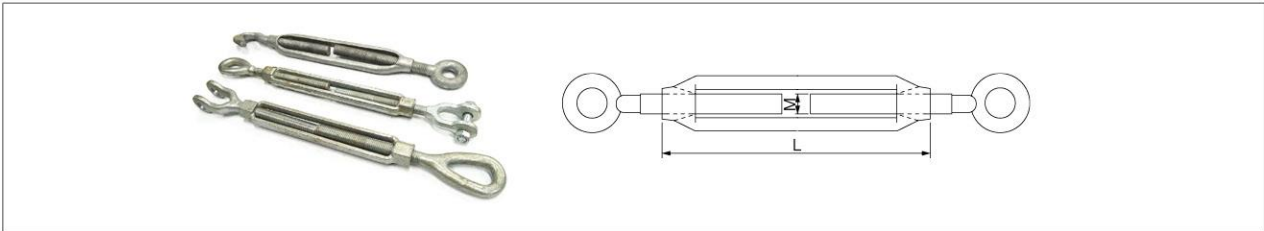
Material:Hot dip galvanized steel R type pin made of stainless steel



Type	Dimension(mm)				Failure Load(KN)
	C1	C2	M	H	
Z-7	18	18	16	80	70
Z-10	20	20	18	80	100
Z-12	20	24	22	100	120
Z-16	26	26	24	100	160

Turnbuckle

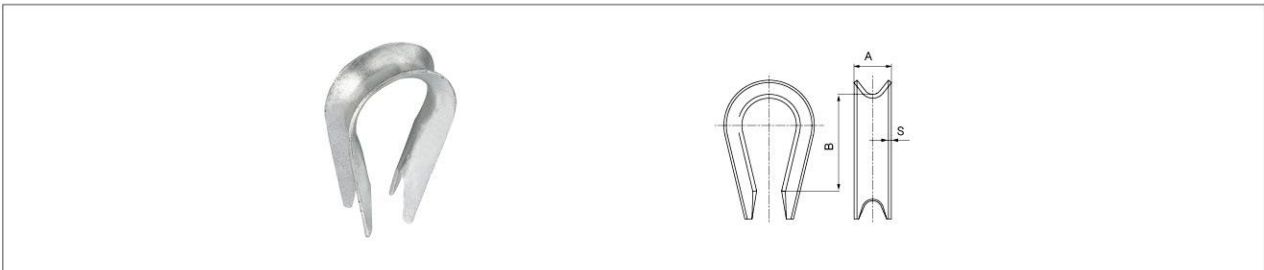
Material: Hot dip galvanized steel Use for stay wire or preformed guy grip



Type	Dimension(mm)		Ilse for stay wire
	M	L	
M16×254	16	254	7/2.64mm 7/2.00mm
M20×305	20	305	7/4.00mm

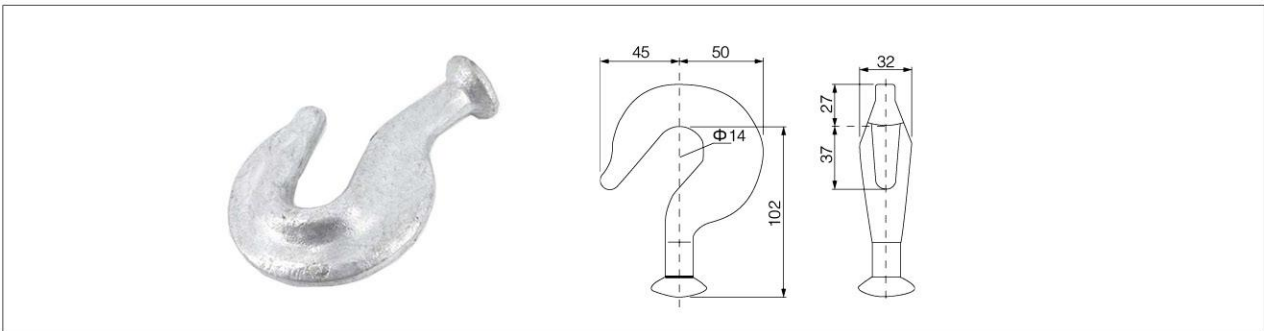
Stay thimble

Material: Hot dip galvanized steel Use for stay wire or preformed guy grip



Type	Dimension(mm)				Ilse for stay wire
	A	B	C	S	
WY-1754	17	54	28	2	7/2.64mm 7/2.00mm
WY-2258	22	58	38	2	7/4.00mm

Ball Hook



Type	Dimension(mm)				Weight (kg)
	L	H	Φ	w	
WY-30901A01	94	129	17	32	0.8
WY-30901A02	84	121	16	25	0.68
WY-30901A03	93	130	17	31.6	0.7
WY-30901A04	94	129	18	32	0.69

NUT/NU Type Clamp AD Justable/NON-AD justable

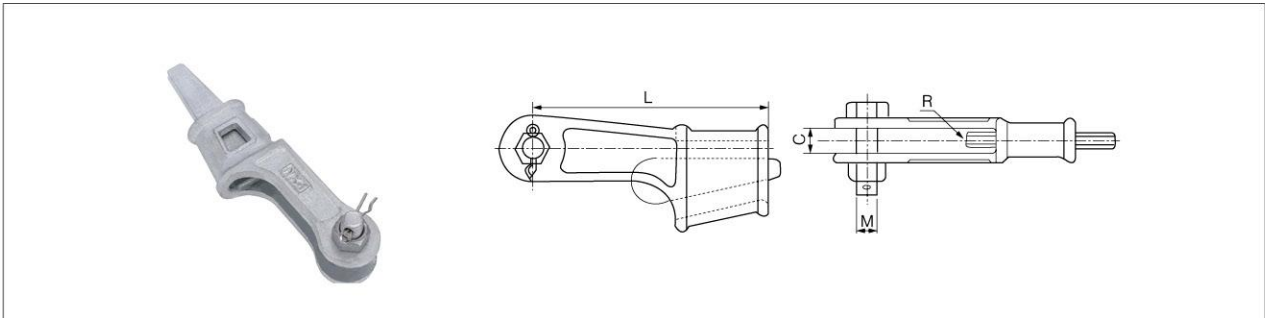
Clamp body and wedge are cast iron, others are steel, all are hot galvanized



Type	Application of wire diameter	Main Dimensions				Specified Failure Load (kN)	Weight (kg)
		C	M	L	L1		
NUT-1	6.6-7.8	56	16	350	200	45	2.10
NUT-2	9.0-11.0	62	18	430	250	88	3.20
NUT-3	13.0-14.0	74	22	500	300	143	5.40
NUT-4	15.0-16.0	82	24	560	350	164	7.20
NU-1	6.6-7.8	56	16	210	65	45	1.92
NU-2	9.0-11.0	62	18	260	65	88	2.61
NU-3	13.0-14.0	74	22	290	85	143	4.21
NU-4	15.0-16.0	82	24	340	100	164	7.27

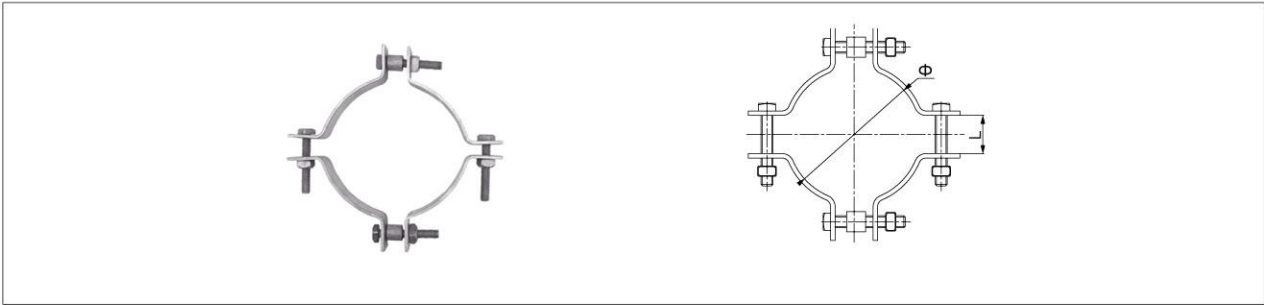
NX Type Clamp (ADjustable)

Clamp body and wedge are cast iron, others are steel, all are hot galvanized

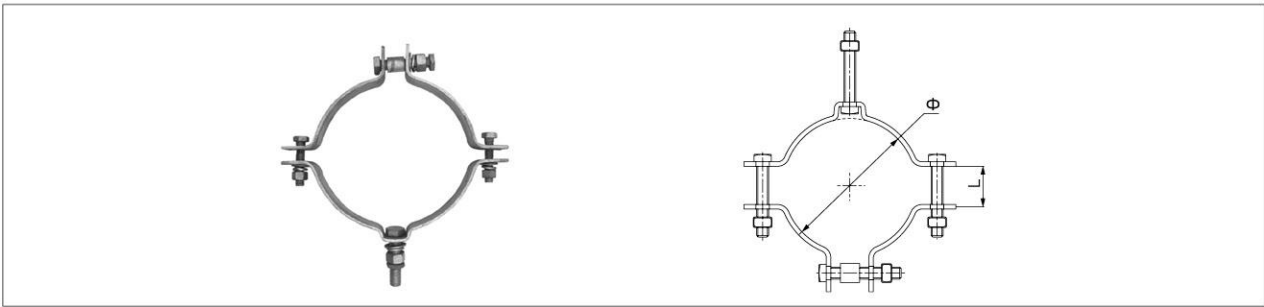


Type	Application of wire diameter	Main Dimensions				Specified Failure Load (kN)	Weight (kg)
		C	M	L	R		
NX-1	6.6~7.8	18	16	150	6.0	45	1.19
NX-2	9.0-11.0	20	18	180	7.3	88	1.76
NX-3	13.0~14.0	25	24	195	8.0	143	3.20
NX-4	15.0-16.0	30	27	220	8.0	164	4.60

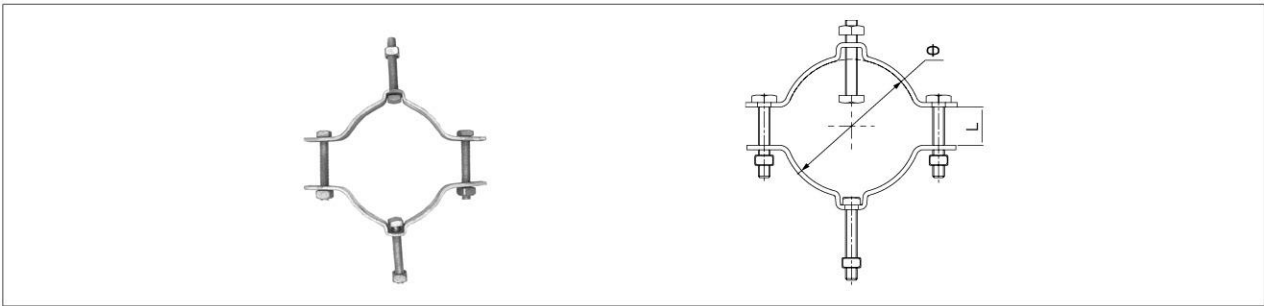
Pole Bands



Product Code	Main dimension(mm)	
	L	Φ
BDEG5-7-1	50.8	177.8
BDEG7-9-1	50.8	228.6
BDEG8-10-1	50.8	254
BDEG9-11-1	50.8	279.4
BDEG12-14-1	50.8	355.6



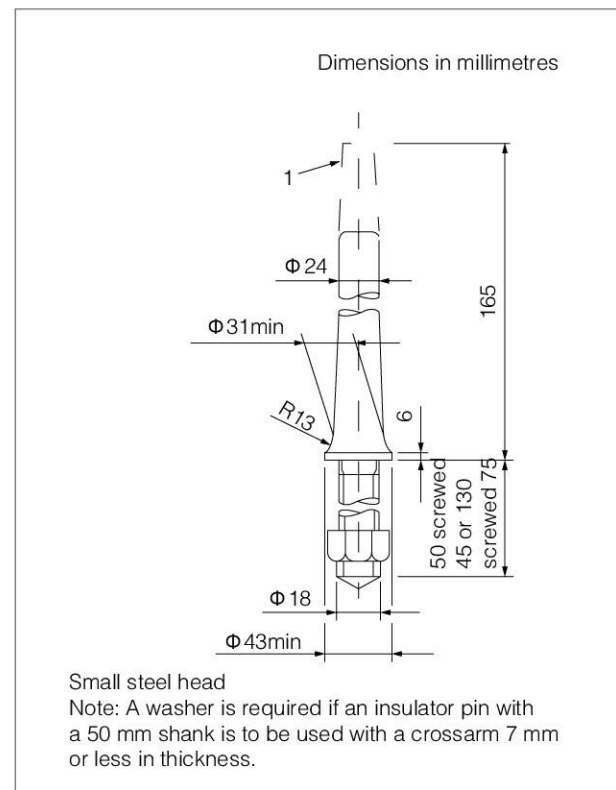
Product Code	Main dimension(mm)	
	L	Φ
BGCA5-7-1	50.8	177.8
BGCA7-9-1	50.8	228.6
BGCA8-10-1	50.8	254
BGCA9-11-1	50.8	279.4



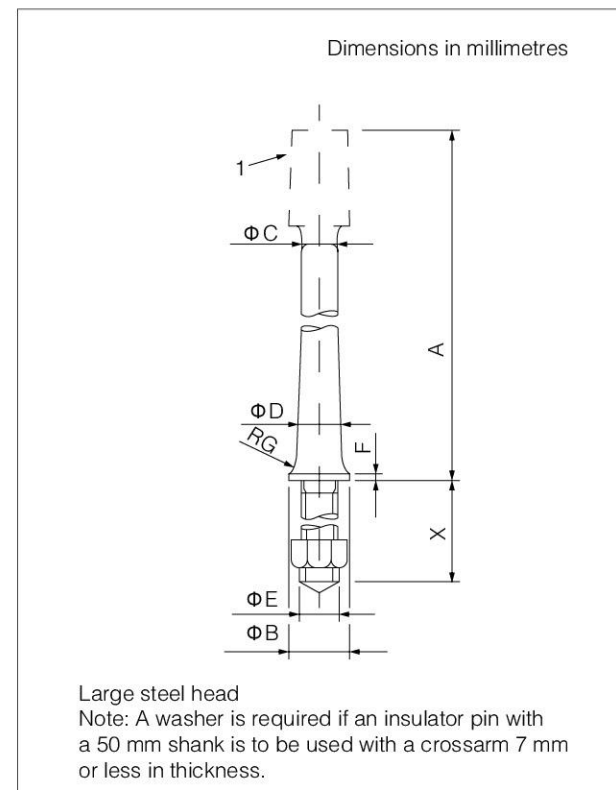
Product Code	Main dimension(mm)	
	L	Φ
BRL5-7	50.8	177.8
BRL7-9	50.8	228.6
BRL9-11	50.8	279.4

Insulator Fitting

Insulator pin with small steel head
(minimum failing load 10 kN)



Insulator pin with large steel head



Dimensions of insulator pin with large steel head

Reference number	Minimum failing load kN	A mm	ΦB min. mm	ΦC mm	ΦDmin. mm	ΦE mm	F mm	(RG) mm	X ^A mm
26	5	165	37	24	24	18	5	13	50 or 130
28	5	230	40	24	28	22	6	13	50 or 130
30	5	305	43	24	31	22	6	13	50 or 130
27	10	165	43	24	31	18	6	13	50 or 130
29	10	230	50	25	37	22	6	13	50 or 130
31	10	305	63	27	40	22	6	16	50 or 130

^A)Dimension X to be 50 mm screwed 45 mm, or 130 mm screwed 75 mm.

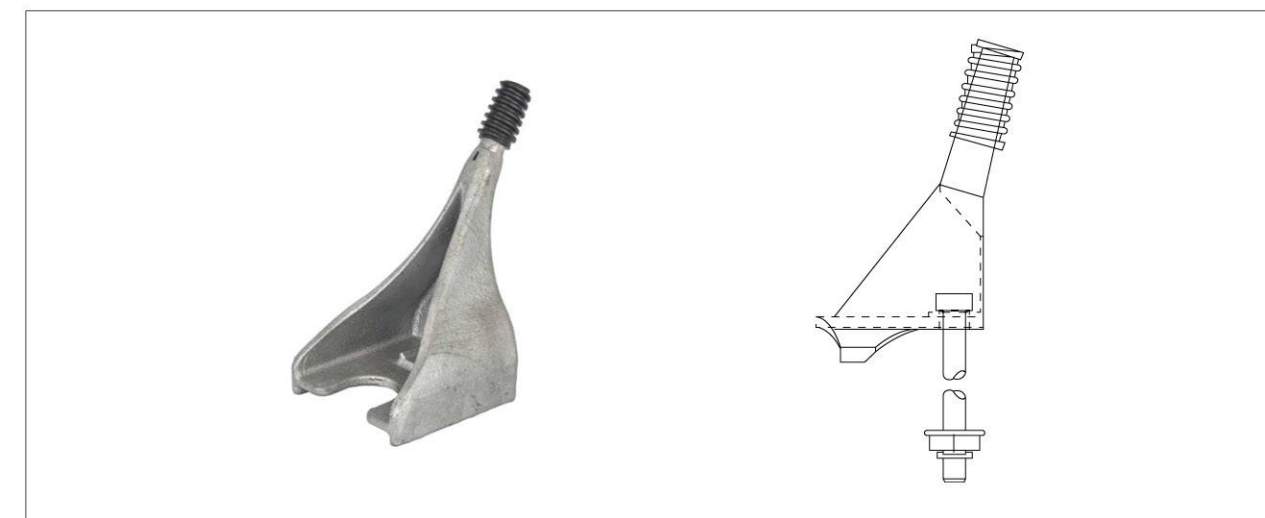
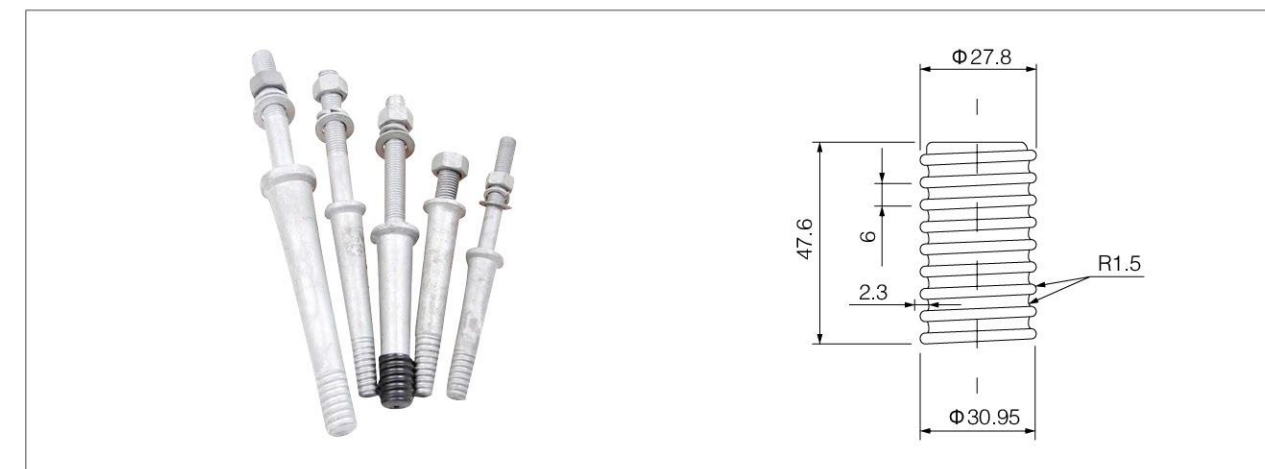
Insulator Fitting

Distribution Insulator Pins



Stock number	A
LR7794Z	1 3/8"
LR7795Z	1"

Dimensions of large steel insulator pin head



Pig Tail Hook

Application

Pigtail bolts are used for concrete, wood, and other power rods to receive aerial strapping cables across suspension and terminal clamps. These bolts have one end screw thread for mounting expansion parts. The other end of the hot processing into a braid, used for hanging chain handrails, electrical, telephone cables, as well as air, refrigeration, water, ventilation column.

The pigtail bolt is a pigtail bolt used for concrete, wood and other power equipment and is a pillar for receiving overhead strapping cables across suspension clips and terminal clips. Also known as pig tail eye bolt, pig tail hook, pig tail screw, pig tail hook screw or pig tail fastener.

Dia	Length(mm)	Thread(mm)
M16	250	150
M16	300	150



Screw Oval Eye Bolts

Features

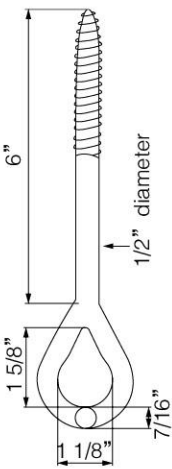
- Forged, one-piece design
- Supplied assembled with square nut
- Eye I.D. 11/8"×15/8"

Material

Steel hot dip galvanized

5/8" Diameter - Minimum Tensile Strength 13,550 lb

Catalog number	Bolt Length (in)	Thread Length (in)	Weight /100 (lbs)
LR8930	1/2×6	3	62



Eye Nuts

Application

Thimble eyenuts are used for span, head and stub guying, twin eyenuts accommodate double guys. Oval eyenuts are used for deadending with suspension and strain insulators or thimble clevises.

Features

- Eyenuts are tapped to fit hot dip galvanized bolts made to ANSI specifications
- Designed to develop strength ratings consistent with the bolts with which they are used-i.e. 1/2"=85000 lbs, 5/8"=13,550 lbs, 3/4"=20,050 lbs, 1"=33,500 lbs

Material

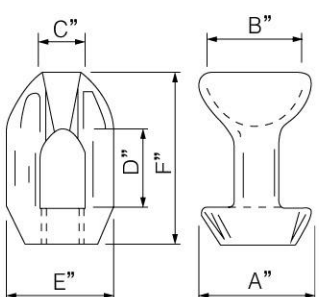
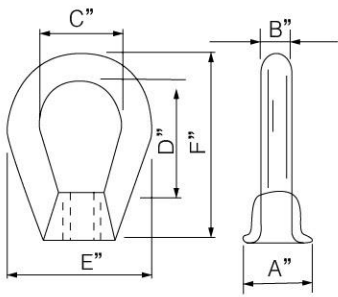
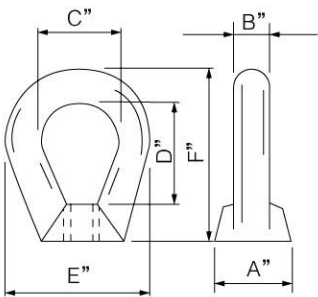
Steel hot dip galvanized



Oval Eye nut

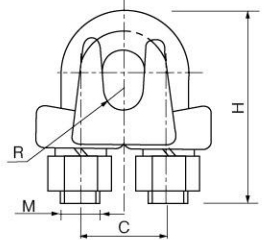


Thimble Eye nut



Catalog number	Fig.	Bolt Size (in)	A	B	C	D	E	F	Weight /100 (lbs)
EN-4	1	1/2	1 3/8	9/16	1 1/2	1 3/4	2 5/8	3	100
LR1092	1	5/8	1 3/8	9/16	1 1/2	1 3/4	2 5/8	3	72
LR1093	1	3/4	1 3/8	9/16	1 1/2	1 3/4	2 5/8	3	53
ENL-5	2	5/8	1 3/8	5/8	1 1/2	2 1/2	2 5/8	4	100
ENL-6	2	3/4	1 3/8	5/8	1 1/2	2 1/2	2 5/8	4	100
LR6510	3	5/8	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3	100
LR6511	3	3/4	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3	91
LR16512	3	1	2	2	7/8	1 1/2	2	4 1/2	200

Thimble eye stay rod(Twin/Triple)



Type	Size(inch)	Thread length(inch)
5/8inch	5/8*8	4
	5/8*10	4
	5/8*12	6
	5/8*14	6
	5/8*16	6
	5/8*18	6
	5/8*20	6
3/4inch	3/4*10	4
	3/4*12	6
	3/4*14	6
	3/4*16	6
	3/4*18	6
1inch	1*12	6
	1*14	6
	1*16	6
	1*18	6
	1*20	6

Guy clip

Material: Hot dip galvanized steel

Use for stay wire

Cat.No.	Dimension inch(mm)				O.D.of steel Stranded(mm)
	M	H	R	C	
JK-1	10	54	5	22	6.6-8.0
JK-2	12	70	6	26	9.0-11.5
JK-3	14	76	7.5	30	12.0-14.0
JK-4	16	85	8.5	35	14.5-16.0

Cross type ground rod

Material: Hot dip galvanized steel



Specification	Length
50x50x3.5mm With 1 hole diameter 11 mm	1.5m
50x50x3.5mm With 1 hole diameter 11 mm	2.0m
Section: 50x50x3.5mm With 3 holes diameter 11 mm	1.5m
Section: 50x50x3.5mm With 3 holes diameter 11 mm	2.0m

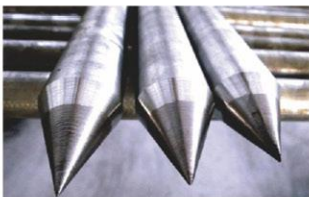
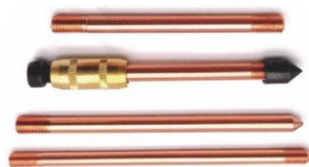
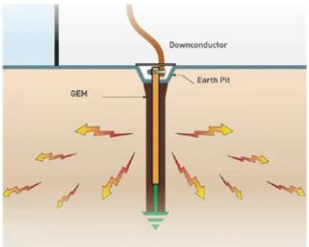
Earthing Materials

Application

In electrical grounding, electrical workers doing their job on de-energized equipment are exposed to arc flash events of terrible magnitude. Having high-quality grounding equipment is crucial for protecting workers from electric shocks and equipment from being damaged.

Therefore, L&R also manufacture most innovative grounding devices,offering high-level security, lightweight, flexibility, ease-of use and durability.

Choose the equipment that best suits your needs, from grounding earth rod, assemblies, sets, clamps to adaptors, connectors and clusters.



Technical Standard

The equipment shall comply with the latest editions of, and amendments to, the international standards listed below:

- BS 7430,To design, specify, inspect and periodically test and maintain earthing systems without endangering those who come into contact with them.
- BS2874,Copper and Copper Alloy Rods and Sections (Other Than Forging Stock)
- IEC 364554 Electrical Installations of Buildings (earthing arrangements and protective conductors).
- IEC 228: Conductors of Insulated Cables.
- ANSI C114.11973: Recommended Practice for earthing of Industrial and Commercial Power Systems (IEEE Std. 1421972).
- BS 125: Hard Drawn Copper and Copper Cadmium Conductors for Overhead Power Transmission Purposes.
- BS 183: General Purpose galvanised Steel wire strand
- BS 6485: PVC Covered Conductors for Overhead Power Lines.

Material: brass,galvanized,stainless steel

Product Code	Nominal Diameter	Shank Diameter	Thread Diameter	Rod Length
	Inch	mm	Inch	
1/2"	1/2"	12.7	1/2"	Customized
5/8"	5/8"	14.2	5/8"	
3/4"	3/4"	16	3/4"	
1"	1"	17.2	1"	

Technical Standard

The equipment shall comply with the latest editions of, and amendments to, the international standards listed below:

- BS 7430,To design, specify, inspect and periodically test and maintain earthing systems without endangering those who come into contact with them.
- BS2874,Copper and Copper Alloy Rods and Sections (Other Than Forging Stock)
- IEC 364554: Electrical Installations of Buildings (earthing arrangements and protective conductors).
- IEC 228: Conductors of Insulated Cables.
- ANSI C114.11973: Recommended Practice for earthing of Industrial and Commercial Power Systems (IEEE Std. 1421972).
- BS 125: Hard Drawn Copper and Copper Cadmium Conductors for Overhead Power Transmission Purposes.
- BS 183: General Purpose galvanised Steel wire strand
- BS 6485: PVC Covered Conductors for Overhead Power Lines.

Earthing Materials

Thimble type clamp

Used to Clamp Rod and Tape together

Material: rass,Phosphor bronze



U type clamp

Used to Clamp Rod and Tape(conductor) together Material: brass,Phosphor bronze,stainless steel



Square Clamp

Material: Gunmetal,brass,Phosphor bronze

Type: Conductor and Tape or Conductor and Conductor or Tape and Tape

Usage: Used to provide low resistance cross joints in solid circular conductor networks



Earthing Materials

Coupler

Earth Rod Couplers are used for joining copper bond threaded earth rods together. They facilitate deep driving and ensure continual contact between the rods both during and after installation. The coupling also protects the earth rod threads during installation with the driving head.

Applicable earth rod size



Inch	mm	Kg
1/2"	12.7	0.08
5/8"	14.2	0.08
3/4"	16	0.1
1"	17.2	0.13

Driver

High-strength steel couplings are threaded and chamfered at both ends for easy driving. Corrosion-resistant couplings ensure permanent, low resistance copper-to-copper connections

Applicable earth rod size

Inch	mm	Kg
1/2"	12.7	0.08
5/8"	14.2	0.08
3/4"	16	0.1
1"	17.2	0.13

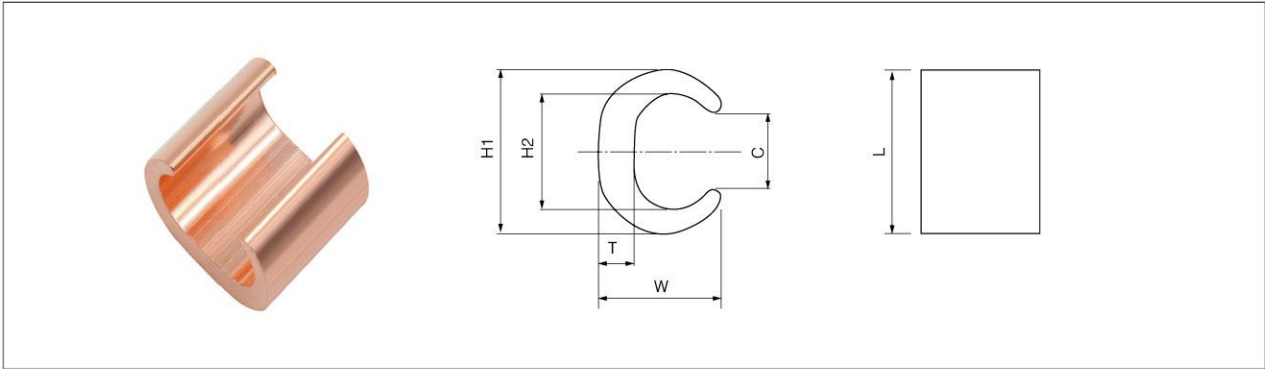
Split Bolt Connetor

For Use With Cable-To-Cable Connections



Model	Cable range
T/J-10	6~10mm ²
T/J-16	11~16mm ²
T/J-25	17~25mm ²
T/J-35	26~35mm ²
T/J-50-70	40~70mm ²
T/J-90-120	75~120mm ²

CCT Copper clamp



CatalogNo.	Cross Section (mm ²)	Main Dimensions				
		H1	H2	W	L	T
10	7.5~11	9.5	6.3	6.2	12	1.6
16	11.5~16	11.8	7.8	7.3	13	2
20	14~20	12.8	8.6	9.7	13	2.9
26	21~26	14.7	10.2	10.9	16	3.2
44	27~44	19	12.4	14.4	20	4
60	45~60	21	15.4	15.1	22	4
76	61~76	24.4	17.3	17.6	22	5
98	77~98	27.8	20.8	18.1	25	5
122	99~122	29.8	22.1	21.2	26	5.5
154	123~154	34	25.7	24.2	28	6
190	155~190	37	28.5	25.4	35	6
240	191~240	40	30.2	28.5	40	7
288	241~288	44.5	34.7	31.1	45	7
365	289~365	47.5	37.7	34	50	7
450	366~450	57	42.5	41	60	10
560	451~560	62	46	45	65	11
700	561~700	68	52	49.5	70	12



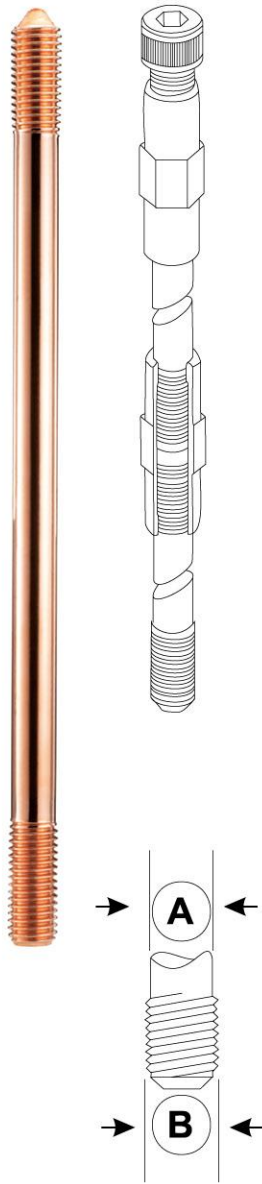
EARTHING FITTINGS

Copper Bonded Earth Rod

Socom copper bonded earth rods probably offer to the installer the best and most economical earth rods available. They are made by molecularly bonding 99.9% pure electrolytic copper on to a low carbon steel core.

Confusion often arises between thread and shank diameters for threaded rods. The thread rolling process, used by quality rod manufacturers, raises the surface of the rod so tha t thread diameter (B) is greater than shank diameter (A) (see drawing).

Copper thickness standard 254 microns.(others plating copper thickness as your requested)Earth rods to BS EN 50164-2 , Bs 7430 and UL467 ; Fittings to BS EN 50164-1



Product Dimensions

Part NO	Nominal diameter	Length (mm)	Thread"B"	Shank"A" (mm)	Weight each (kg)
ERT1112*	1/2"	1200	1/2"	11	0.89
ERT1115*	1/2"	1500	1/2"	11	1.12
ERT1118*	1/2"	1800	1/2"	11	1.34
ERT1212	12.7	1200	9/16"	12.7	1.18
ERT1215	12.7	1500	9/16"	12.7	1.55
ERT1218	12.7	1800	9/16"	12.7	1.76
ERT1224	12.7	1800	9/16"	12.7	2.36
ERT1412	5/8"	1200	5/8"	14.7	1.53
ERT1415	5/8"	1500	5/8"	14.7	1.88
ERT1418	5/8"	1800	5/8"	14.7	2.29
ERT1421	5/8"	2100	5/8"	14.7	2.51
ERT1424	5/8"	1800	5/8"	14.7	3.00
ERT1430	5/8"	3000	5/8"	14.7	3.79
ERT1615	16mm	1500	M18	16	2.37
ERT1618	16mm	1800	M18	16	2.84
ERT1624	16mm	1800	M18	16	3.79
ERT1630	16mm	3000	M18	16	4.73
ERT1712	3/4"	1200	3/4"	17.2	2.19
ERT1715	3/4"	1500	3/4"	17.2	2.73
ERT1718	3/4"	1800	3/4"	17.2	3.27
ERT1721	3/4"	2100	3/4"	17.2	3.83
ERT1724	3/4"	1800	3/4"	17.2	4.35
ERT1730	3/4"	3000	3/4"	17.2	5.44

EARTHING FITTINGS

Copper Bonded Earth Rod(Un-Thread)

Socom copper bonded earth rods probably offer to the installer the best and most economical earth rods available . They are made by molecularly bonding 99.9% pure electrolytic copper on to a low carbon steel core.

Copper thickness standard 250 microns.(others plating copper thickness as your requested)

Earth rods to BS EN 50164-2,Bs7430 and U1467,Fittings to BS EN 50164-1

Product Dimensions

Part N0	Diameter(mm)	Length(mm)	Weight each (kg)
ER912	9.0	1200	0.62
ER95/2	9.5	1200	0.668
ER1215	10.0	1200	0.74
ER1218	10.5	1200	0.82
ER1224	11.0	1200	0.90
ER1412	1/2"	1200	0.996
ER1415	1/2"	1500	1.49
ER1418	13.0	1200	1.25
ER1420	13.0	1500	1.56
ER1421	14.0	1200	1.45
EFL1424	14.0	1300	1.57
ER1430	14.0	1500	1.81
ER1612	16.0	1200	1.90
ER1615	16.0	1500	2.37
ER1618	16.0	1800	2.84
ER1620	16.0	2000	3.16
ER1624	16.0	2400	3.79
ER1630	16.0	3000	4.73
ER1712	17.2	1200	2.19
ER1715	17.2	1500	2.73
ER1718	17.2	1800	3.27
ER1720	17.2	2000	3.64
ER1721	17.2	2100	3.83
ER1724	17.2	2000	4.35
ER1730	17.2	3000	5.44
ER1915	3/4"	1500	3.34
ER1924	3/4"	2400	5.34
ER1930	3/4"	3000	6.68
ER22	22	2000	5.97
ER25	25	3000	11.56

EARTHING FITTINGS

Rod To Cable Clamp

Part N0	Rod Dia	Tape Size	Cable Size	Material
RCC50-70	16mm	2×70mm ²	1×50mm ²	Copper

Rod To Cable Clamp

Part N0	Rod Dia	Cable Size	Material
RCC2-70	16mm	2×75mm ²	Copper

Driving Head

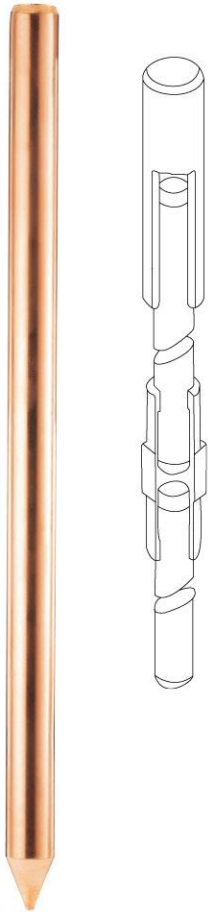
Part N0	Suitable for Rod Dia
DH12	12.5mm(1/2")
DH16	16mm(5/8")
DH19	19mm(3/4")

Coupling

Part N0	Length	Suitable for Rod Dia
CC12	60mm	12.5mm(1/2")
CC16	70mm	16mm(5/8")
CC19	70mm	19mm(3/4")

Driving Tip

Part N0	Length	Suitable for Rod Dia
DS12	60mm	12.5mm(1/2")
DS14	60mm	14mm(9/16")
DS16	70mm	16mm(5/8")
DS19	70mm	19mm(3/4")



EARTHING FITTINGS

U-Bolt Rod To Tape Clamp(Single Plate)

Part N0	Hole centres(mm)	Dod Dia(in.:mm)	Weight(kg)
URC-1-16	37	5/8":16	0.196kg
URC-1-20	37	3/4":20	0.21kg

U-Bolt Rod To Tape Clamp(Double Plates)

Part N0	Hole centres(mm)	Dod Dia(in.:mm)	Weight(kg)
URC-2-16	25	5/8":16	0.30kg
URC-2-20	25	3/4":20	0.34kg

U-Bolt Rod To Cable Clamp

Part N0	Dod Dia (in.:mm)	Conductor(mm)	Weight(kg)
URCC12	1/2":12.7	6-35	0.183kg
URCC16	5/8":16	16-70	0.35kg
URCC70	3/4":20	70-185	0.35kg

U-Bolt Rod To Cable Clamp

Part N0	Dod Dia (in.:mm)	Conductor(mm)	Weight(kg)
URCC140	5/8":16	16-95	0.33kg
URCC160	3/4":20	16-70	0.33kg

U-Bolt Rod Clamp

Part N0	Dod Dia (in.:mm)	Conductor(mm)	Weight(kg)	No.of Copper Tape
UC301	16mm(5/8")-19mm(3/4")	1	50-95mm	-
UC302	16mm(5/8")-19mm(3/4")	2	250-70mm	-
UC303	16mm(5/8")-19mm(3/4")	3	250-70mm	-
UC304	16mm(5/8")-19mm(3/4")	5	250-70mm	-
UC305	16mm(5/8")-19mm(3/4")	3	250-70mm	-
UC306	16mm(5/8")-19mm(3/4")	2	270-120mm	-
UC307	16mm(5/8")-19mm(3/4")	1	270-120mm	25×3mm
UC308	16mm(5/8")-19mm(3/4")	-	-	25×3mm

EARTHING FITTINGS

Rod To Tape Clamp

Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RTC10A	1/2"	12.7mm	26×12mm	0.129kg
RTC10A	5/8"	16mm	26×12mm	0.129kg
RTC10A	3/4"	20mm	26×10mm	0.129kg

Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RTC10B	1/2"	12.7mm	26×12mm	0.084kg
RTC10B	5/8"	16mm	26×12mm	0.084kg
RTC10B	3/4"	20mm	26×10mm	0.084kg

Rod To Cable Clamp

Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RCC09A	3/8"	9.5mm	6-35mm ²	
RCC12A	1/2"	12.7mm	16-50mm ²	0.039kg
RCC16A	5/8"	16mm	16-70mm ²	0.058kg
RCC20A	3/4"	19mm	35-95mm ²	0.080kg

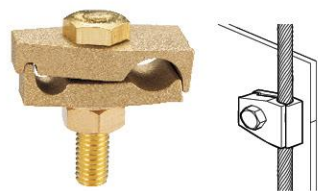
Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RCC16B	5/8"	16mm	16-70mm ²	0.088kg

Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RCC16C	5/8"	16mm	16-70mm2	0.051kg
RCC20C	3/4"	20mm	235-95mm2	0.051kg
RCC25C	1"	25mm	270-120mm2	0.092kg

Part N0	Nominal rod diameter		Max.conductor	Weight each
	Inch	mm		
RCC16D	5/8"	16mm	16-70mm2	0.032kg

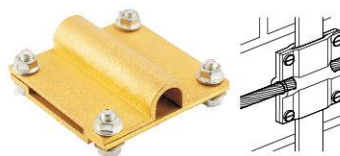
EARTHING FITTINGS

Tower Earth Clamp



Part NO	Conductor mm	Material
TEC1670	16-70	Brass
TEC7012	70-120	Brass
TEC12185	120-185	Brass

Cable to Tape Connectors



Part NO	Cable Size	Conductor size(mm)	Material
CTC50	50mm ²	25×3mm	Copper
CTC70	70mm ²	25×3mm	Copper
CTC95	95mm ²	25×3mm	Copper
CTC08	8mm ²	25×3mm	Copper

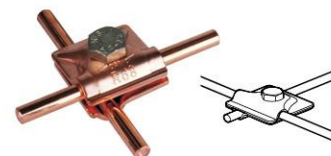


Tee Clamp

Part NO	Conductor Dia.(mm)	Material
TC08	8	Copper/brass

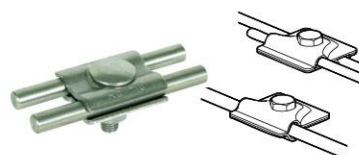
"MV" Clamps

These wallis four-way connectors are suitable for crossing over, making straight joints and tconnections in solid circular conductor.



Part NO	Conductor size	Material
MVC08	8	Copper/brass

For use with bare solid circular copper conductor



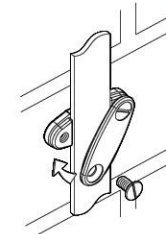
Part NO	Conductor size	Material
MVA08	8	Aluminium

For use with Bare Solid Circular Aluminium Conductor



EARTHING FITTINGS

Swing Lid DC Tape Clip



Part NO	Tape Size(mm ²)	Material
SLDC253	25×3	Copper/Aluminium
SLDC256	25×6	Copper/Aluminium

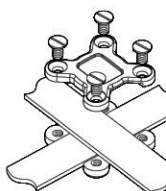
DC tape clips manufactured from high quality copper and aluminium alloys for excel corrosion resistance and high pull off loads.



Square Tape Clamp

Part NO	Tape Size(mm ²)	Material
STC253	25×3	Copper/Aluminium
STC256	25×6	Copper/Aluminium
STC506	50×6	Copper/Aluminium

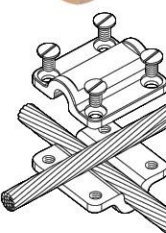
Manufactured from high quality copper and aluminium alloys.Simple to install,provan effective low resistance connection between overlapping tapes to allow cross, tee, through and right angle joints to be formed.



Square Conductor Clamp

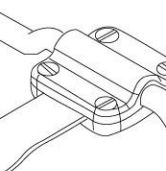
Part NO	Conductor Size(mm ²)	Material
SCL50	50	Copper
SCL70	70	Copper
SCL95	95	Copper
SCL120	120	Copper

Manufactured from high quality copper and aluminium alloys.Simple to install,prov an effective low resistance connection between over lapping tapes to allow cross,tethrough and right angle joints to be formed.



Cable To Tape Square Clamp

Part NO	Tape Size (mm)	Conductor Size(mm ²)	Material
SCC25350	25×3	50	Copper/brass
SCC25370	25×3	70	Copper/brass
SCC25395	25×3	95	Copper/brass



EARTHING FITTINGS

Multiple Point



Part No.	Rod dia	Thread dia	Material
MPC14	14mm	5/8"	Copper
MPC15	15mm	16mm	Copper
MPB14	14mm	14mm	Brass plate copper
MPB15	15mm	16mm	Brass plate copper

Air Termination (complete set)



Part No.	Rod Length mm	Rod Dia.mm	Thread Dia.mm	Material
ATC314	300	14	5/8"or 14mm	Copper/Brass
ATC514	500	14	5/8"or 14mm	Copper/Brass
ATC1014	1000	14	5/8"or 14mm	Copper/Brass
ATC515	500	15	5/8"or 16mm	Copper/Brass
ATC1015	1000	15	5/8"or 16mm	Copper/Brass
ATC1515	1500	15	5/8"or 16mm	Copper/Brass
ATC516	500	16	5/8"or 16mm	Copper/Brass
ATC1016	1000	16	5/8"or 16mm	Copper/Brass
ATC1516	1500	16	5/8"or 16mm	Copper/Brass
ATC2016	2000	16	5/8"or 16mm	Copper/Brass

Air Rod Base For Copper Tape



Part No.	Thread dia	Material
ARB14	M14	Copper/Brass
ARB16	M16	Copper/Brass



Air Rod

Part No.	Rod Length mm	Rod Dia. mm	Thread Dia. mm	Material
CAR0314	300	14	5/8"	Copper
CAR0514	500	14	5/8"	Copper
CAR1014	1000	14	5/8"	Copper
CAR1514	1500	14	5/8"	Copper
CAR2014	2000	14	5/8"	Copper
CAR0315	300	15	16	Copper
CAR0515	500	15	16	Copper
CAR1015	1000	15	16	Copper
CAR1515	1500	15	16	Copper
CAR2015	2000	15	16	Copper
CAR0315A	300	15	16	Aluminium
CAR0515A	500	15	16	Aluminium
CAR1015A	1000	15	16	Aluminium



Air Rod Base

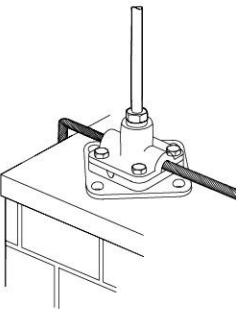
Part No.	Rod Dia. mm	Thread Dia. mm	Max Conductor width mm	Material
DC314	14	16(5/8")	25	Copper/brass
DC515	15	16	25	Copper/brass
DC314	14	16(5/8")	25	Aluminium
DC515	15	16	25	Aluminium



Air Rod Cable Saddle

Part No .	Conductor size (mm2)	Thread size	Material
ARCS50	50	M16	Copper
ARCS70	70	M16	Copper
ARCS95	95	M16	Copper

These saddles are used to support the copper tape pointed air rods on flat roof surfaces.



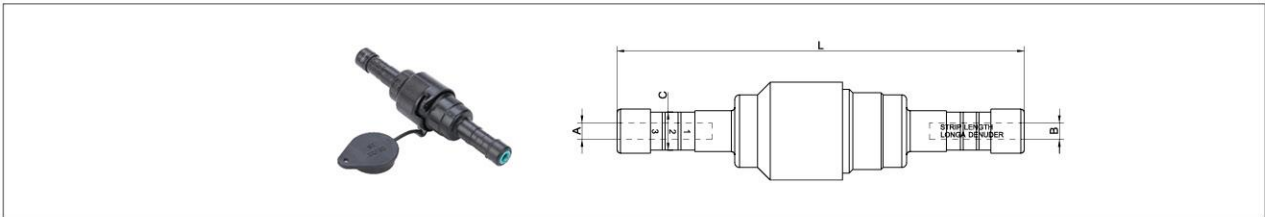
Pre-insulated sleeve(with fuse)

Material:Brass(silver plating) Aluminium

Product property: MJPF is designed to connect the neutral messenger in aerial bundled cable. It is in accordance with NFC33-021. The sleeve is with full tension.

And it's cap can prevent the water into the barrel. It is colored differently to distinguish the cable sizes.

Marked with type, cable size, die size, inner cable length and number of crimping.



Modle	Cable Size (mm ²)		Plastic Sleeve Diameter(mm)	Length (mm)
	A	B	C	L
MJPF 16/16	16	16	16.2	174.0
MJPF 16/25	16	25	16.2	174.0
MJPF 25/25	25	25	16.2	174.0

Accessories



Modle	Conductor Range(mm ²)	
	Type	mm ²
SDPA	Lateral isolation	-
SDPAD	Lateral skinned wire isolation	-
SDPAV	Vertical isolation	-
SDCC	Single	6/6
SDCC-R	Single	25/25
	Double	2×16+1×16

APDM160-Single phase switch for NH type fuses up to 160A

General Description

The APDM160 fuse switch it is used either as anoperation or protection device for LV ines,It is designed to be used with NH 00 size fuses offering a maximum of 160 Amps of line protection without blades. In case blades are used,the maximum switching load would be 250 A.It is manufactured in reinforced fiberglass polyamide and fulfills all the necessary requirements for outdoor installation and operation. In the APDM 160C model the connection is made with connectors and can also be connected with terminals lugs and both models can be installed with single phase or three phase opening.

The switch fuse 160 APDM has the following features included:

- internal connection
- Operating light the fuse
- installed fuse indicator
- connection seal
- Sealable Safety
- Inserts for mounting bipolar,tripolar,tetrapolar etc.
- eyelets suitable for proper and safe opening and closing operation, assembly and disassembly of the fuse cover
- In ease you wish to add some more,they should be requested as follows:

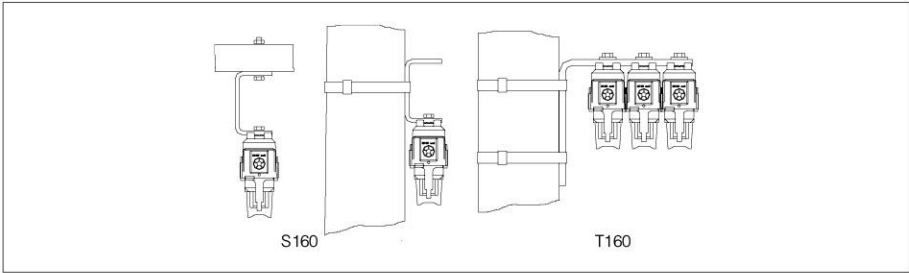
Technical characteristics (IEC60947)

Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operacional current with fuses	160A
with blades	250A
Installation Category	AC 22B
Short time current (1s)	3.2 KA
Dinamic current (crest)	25 KA
Interruption capacity	100 KA
Weigth	0.6 kg
Protection degree	IP 24

Optionals:APDM- ①② -160 ③④⑤⑥⑦

- ① 1-single mounting 3-tripolar mounting 4-tetrapolar mounting
- ② a-single operation b-bipolar operation c-tripolar operation d-tetrapolar operation
- ③ C-internal connectors
- ④ Y-simple-simple D-simple-Double
- ⑤ R-pole vault screw maneuver L-extreme cold maneuver
- ⑥ K-arc chamber
- ⑦ X-stainless steel bolts

Mounting



APDM400-Single phase switch for NH type fuses up to 400A

General Description

The LV fuse-switch disconnecter APDM400 is capable of up to 400A fuse NH size 1 and2. It is ideal for all secondary distribution protections. It could be connected with cable lugs(not included)or by connectors,configurable for unipolar operation,bipolar,tripolar etc.With devices for signaling and indication of operation and safety accessories to improve the operation of the equipment

The switch fuse APDM400 has the following features included

- Link Protector
- Operating light the fuse
- indicator of installed fuse
- viewer characteristics of the fuse installed
- Sealable Safety inserts for siblings of bipolar-shaped section,pole,pole,etc...

eyelets suitable for proper and safe opening and closing operation,assembly and disassembly of the cover

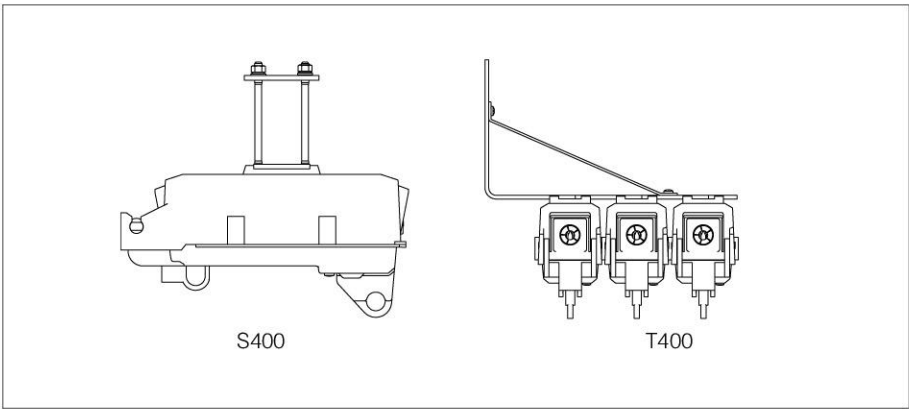
Technical characteristics (IEC60947)

Voltage	500 V
Insulation level	1000 V
Frequency	50/60 Hz
Operacional current with fuses with blades	400 A 630 A
Installation Category	AC 22B
Short time current (1s)	12 KA
Dinamic current (crest)	50 KA
Interruption capacity	100KA
Weigth	1.7 kg
Protection degree	IP 24

Optionals:APDM- ①② -400 ③④⑤⑥⑦

- ① 1-single mounting 3-tripolar mounting 4-tetrapolar mounting
- ② a-single operation b-bipolar operation c-tripolar operation d-tetrapolar operation
- ③ C-internal connectors
- ④ Y-simple-simple D-simple-Double
- ⑤ R-pole voutlt screw maneuver L-extreme cold maneuver
- ⑥ K-arc chamber
- ⑦ X-stainless steel bolts

Mounting



APDM630-Single phase switch for NH fuses up to 630A

General Description

The APDM630 fuse switch it is used either as an operation or protection device for LV lines.It is designed to be used with NH 1-2 or 3 size fuses offering a maximum of 630 Amps of line protection without blades.In case blades are used,the maximum switching load would be 800 AmpsIt is manufactured in reinforced fiberglass polyamide and fulfills all the necessary requirements for outdoor installation and operation.In the APDM 160C model the connection is made with connectors suitable for aluminum and copper conductors with a section range between 16 and 95 mm2(5-4/0 AWG).The closure of the cap allows the switch to be closed with or without a fuse,preventing the risk of leaving tension parts exposed. It may also be provided with a light emission diode (LED).

Features included

The switch fuse 160 APR has the following features included:

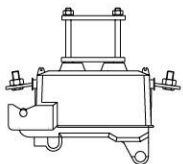
- indicator light fuse operation
- installed fuse indicator
- Sealable Safety
- inserts for mounting bipolar,tripolar,tetrapolar etc..
- eyelets suitable for proper and safe opening and closing operation,
- assembly and disassembly of the cover

Technical characteristics (IEC60947)

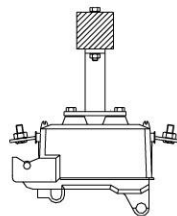
Voltage	500 V
Insulation level	1000 V
Frequency	50/60 Hz
Operacional current with fuses with blades	630 A 800 A
Installation category	AC 22B
Short time current (1s)	12 KA
Dinamic current (crest)	50 KA
Interruption capacity	100 KA
Weigth	1.8 kg
Protection degree	IP 24

Optionals:APDM- ①② -630 ③④⑤⑥⑦⑧⑨⑩

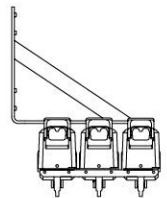
- ① 2-bipolar mounting 3-tripolar mounting 4-tetrapolar mounting
- ② 2-bipolar operation 3-tripolar operation 4-tetrapolar operation
- ③ connectors
- ④ Y-simple-double D-double-double
- ⑤ R-pole vault screw maneuver L-extreme cold maneuver
- ⑥ H-connection seal
- ⑦ P-protector cover
- ⑧ K-arc chamber
- ⑨ X-Stainless steel bolts
- ⑩ N-unipolar wood support included S-unipolar cement support included



N630



S630



T630

APDM630-3-Four phase switch for NH fuses up to 630A,with three phase operation

General Description

This model is suitable for switching and protecting LV overhead lines,and/or to include a protection when doing a connection to low voltage underground systems.The design of this equipment allows the opening and closing of the three phases simultaneously and independently from the neutral, which is clearly identified to prevent its disconnection in rigidly landed systems. If required,it can be easily transformed in a single phase operation switch as the standard model APDM 400. It can be connected with terminals lugs(APDM630-3)or directly with its connectors(APDM400-3C).

Each phase and the neutral have an indicator which show if the fuse or the blade are installed.The closure of the cap allows the switch to be closed with or without the fuse preventing the risk of leaving live parts exposed.

It can also be provided with a led to show the fusion of the fuses.

Technical characteristics



Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	400A
Operational current with blades	600A
Installation category	AC22
Short lasting Current(Is)	8KA
Dynamic current(crest)	50KA
Interruption capacity	100KA
Operations behavior without load(oper)	800
Operations behavior(operation) (400 A Cos fi 0,65)	200
Weight	1.8kg
Protection range	IP 23

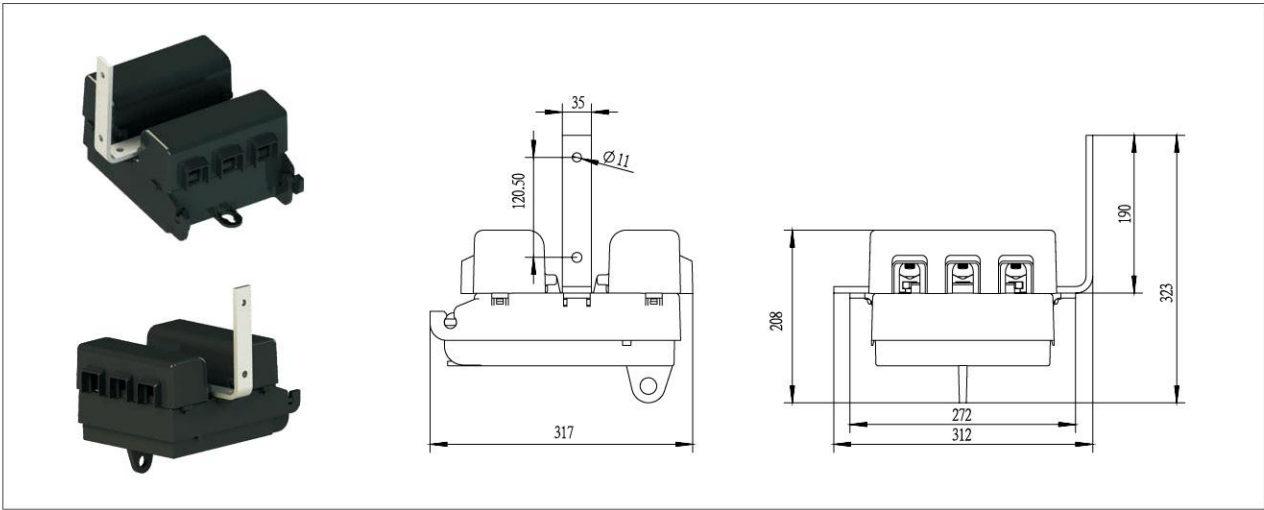
APDM400T switch for NH fuses up to 400A

General Description

This model is suitable for switching and protecting LV overhead lines,and/or to include a protection when doing a connection to low voltage underground systems.The design of this equipment allows the opening and closing of the three phases simultaneously and independently from the neutral,which is clearly identified to prevent its disconnection in rigidly landed systems.If required, it can be easily transformed in a single phase operation switch as the standard model APDM 400T. It can be connected with terminals lugs(APDM400T-3)or directly with its connectors(APDM400T-3C).

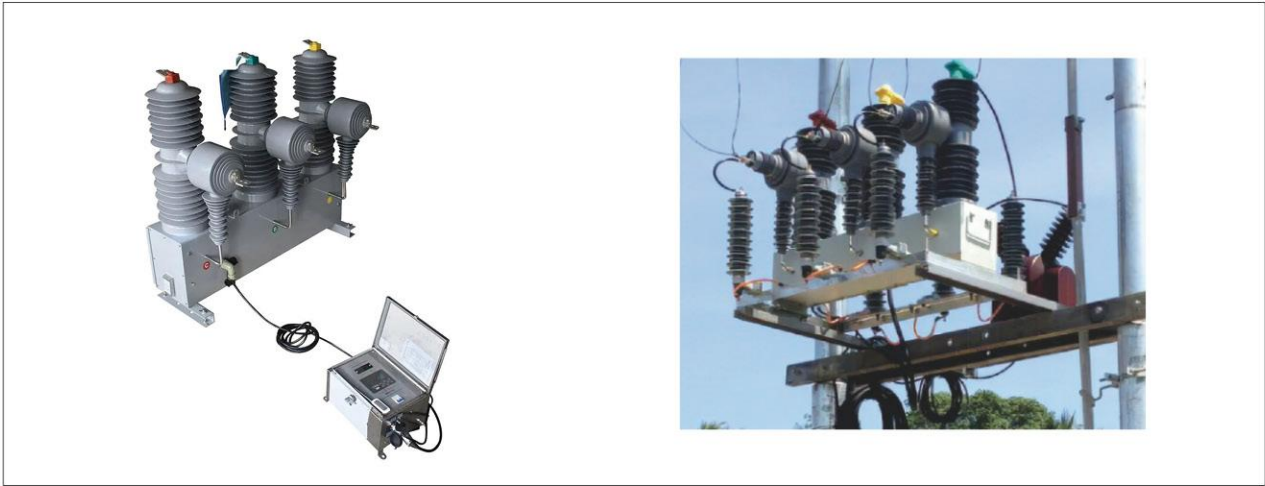
Each phase and the neutral have an indicator which show if the fuse or the blade are installed.The closure of the cap allows the switch to be closed with or without the fuse preventing the risk of leaving live parts exposed.It can also be provided with a led to show the fusion of the fuses.

Technical characteristics

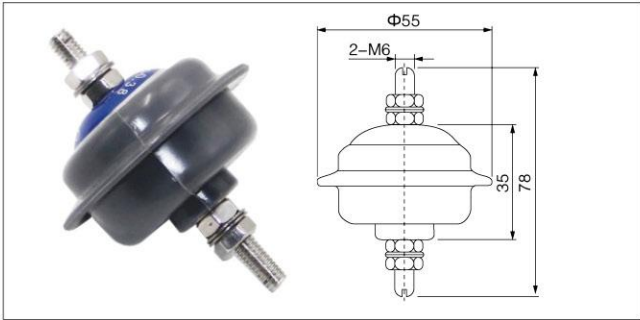


Voltage	500V
Insulation level	1000V
Frequency	50/60Hz
Operational current with fuses	400A
Operational current with blades	400A
Installation category	AC22
Rated making and breaking capacity	1200A
Dynamic current(crest)	50KA
Rated conditional short-circuit current(rms)	80KA
Rated impulse withstand voltage(Uimp)	12KV
Operations behavior without load(oper)	800
Operations behavior(operation) (400 ACos fi 0,65)	200
Weight	4kg
Protection range	IP 24

Pole-mounted 3 Phase Vacuum Auto Recloser Technical characteristics



LV surge arrester



Technical requirements

- System nominal voltage: 0.38KV
- Arrester's rated voltage: 050KV
- Continuous operating vohage: 0.42KV
- Lighlnig Impulse current residual voltage (KV P_s ≤): 2.6KV
- DC I_{Ma} reference voltage(≥): 1.2KV
- Current throughput ai rectangular curreni impulse 2ms-50A
- Creepage distance: 45mm

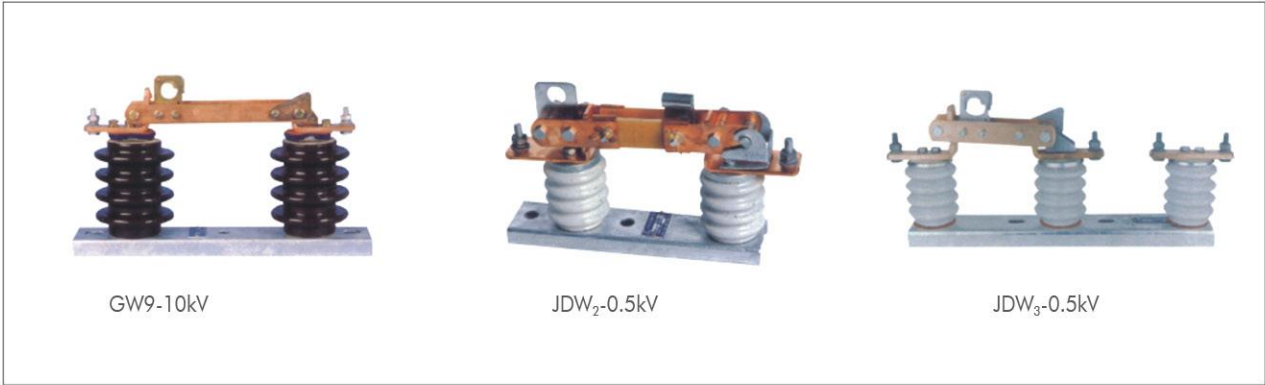
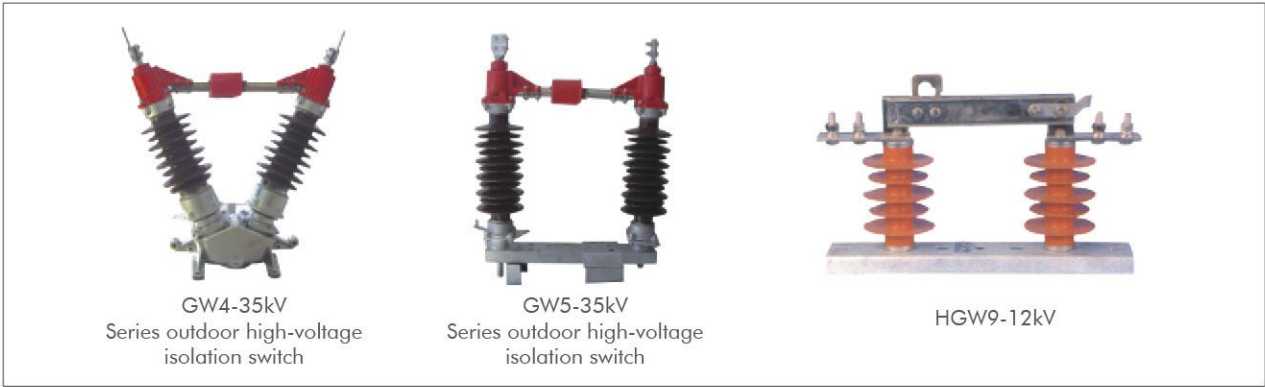
Item	Unit	Data			
Rated voltage	kV	12	18	24	36
Rated frequency	Hz	50/60			
Rated current	A	400/630/800			
Rated short-circuit withstand/breaking current	kA	12.5/16			
Rated short-circuit making current (peak)	kA	31.5/40			
Rated peak withstand current	kA	31.5/40			
Rated short-circuit time	s	3			
Capacity of rated short-circuit current breaking	Times	30			
Power frequency withstand voltage (1min)	kV	28/32	38/45	50/60	70/80
Lightning impulse withstand voltage (peak)	kV	76/85	95/110	125/145	170/190
Rated operating sequence		O-0.2s-CO-2s-CO-5s-CO			
Mechanical endurance	Times	10.000			

Electric Power Equipment Series

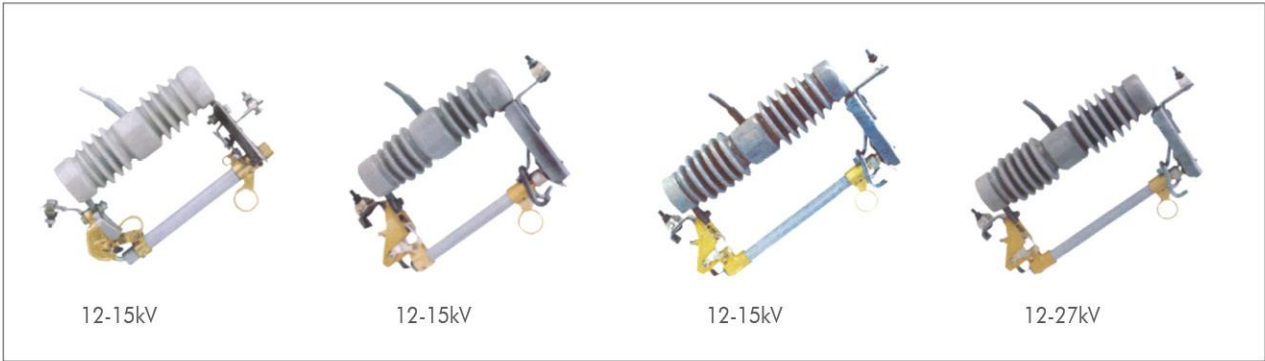


Electric Power Equipment Series

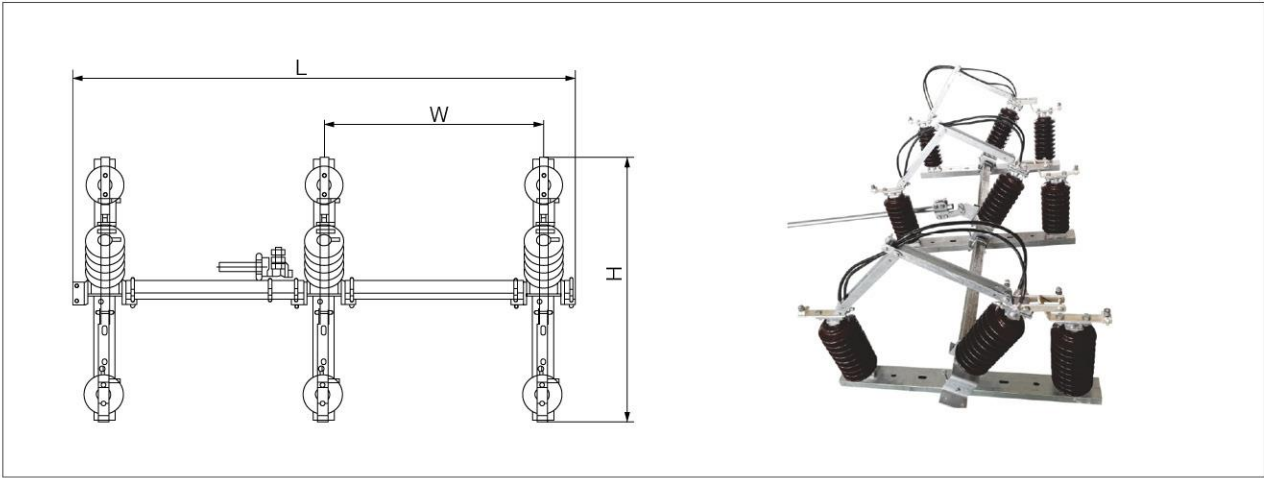
High-voltage isolating switch



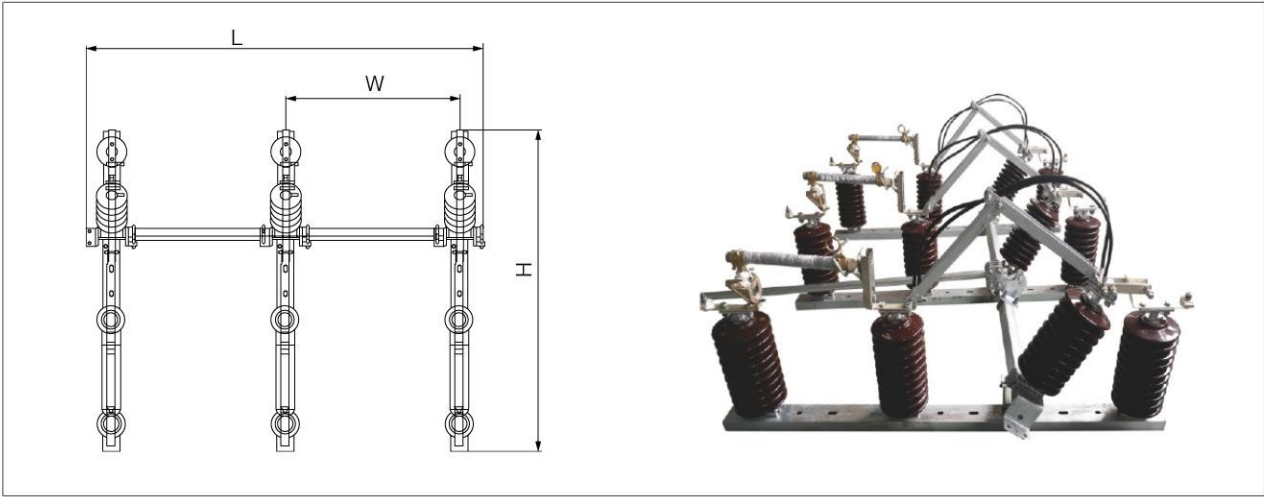
Drop-out fuse series



Pole mounted air breaker switch without fuse

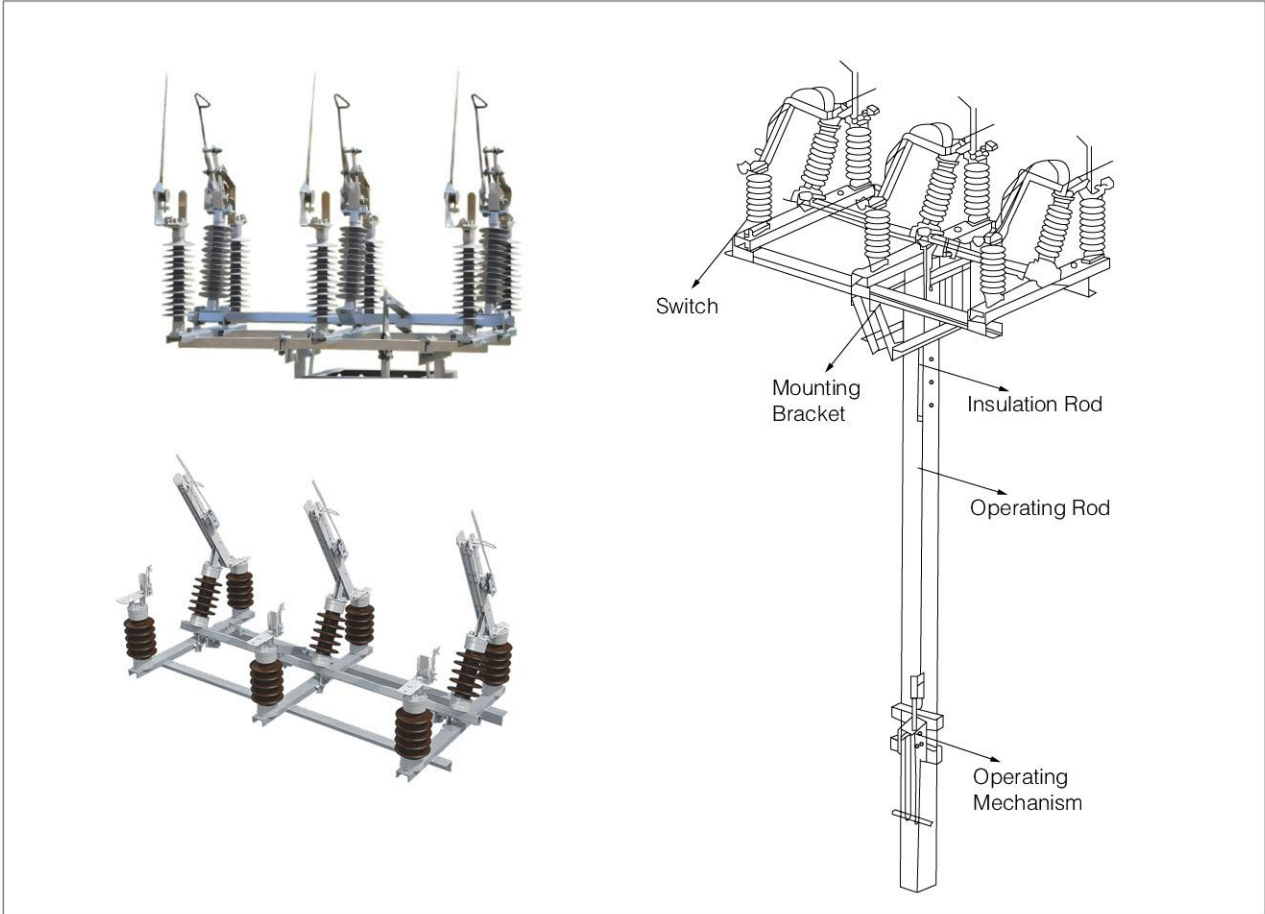


Type	L	W	H
(H)GW-12(15)	1530	675	730
(H)GW-24(27)	1730	750	860
(H)GW-30(36)	1885	820	990



Type	L	W	H
(H)RGW-12(15)	1530	675	1510
(H)RW-24(27)	1730	750	1510
(H)RGW-30(36)	1885	820	1510

Pole-mounted IACM Volley Disconnecter



Technical characteristics

Item	Unit	Data		
Rated voltage	kV	12	24	36
Rated frequency	Hz	50/60		
Rated current	A	100/200/400		
Rated short-circuit withstand/ breaking current	kA	12.5		
Rated short-circuit making current (peak)	kA	32		
Rated peak withstand current	kA	32		
Rated short-circuit time	Sec	1		
Mechanical Operations	Times	5000		
Power frequency withstand voltage (1 min)	kV	28/32	50/60	70/80
Lightnina impulse withstand voltage (peak)	kV	76/85	125/145	170/195

Pole-mounted Load Breaker Switch

Item		Unit	Data		
For active circuits	20breakings	A	630	630	400
	30breakings		400	400	300
	40breakings		300	300	250
	50breakings		250	250	170
	75breakings		170	170	160
	120breakings		110	110	110
	200breakings		65	65	65
	280breakings		50	50	50
For ring circuits		A	630	400	250
Rated breaking capacity of transformer		A	50		
Rated breaking capacity of cable charging		A	11		
Rated breaking capacity of earthing fault		A	56		

Note: The LBS type on load break switch (Switch disconnecter) is equipped with stored energy released by fuse strike pins. The stored energy mechanism for the opening operation is released by fuse strike pins.
The trip actuator is mounted on top of the fuse contact clip.
The DIN type fuse is held in spring type contacts, secured by a tail lever. All the components are made of stainless steel, to preventcorrosion, have Jong live, and in the res et position. The trip lever is parked in an over-centre position.

Outline Dimenssion

Electric parameter:

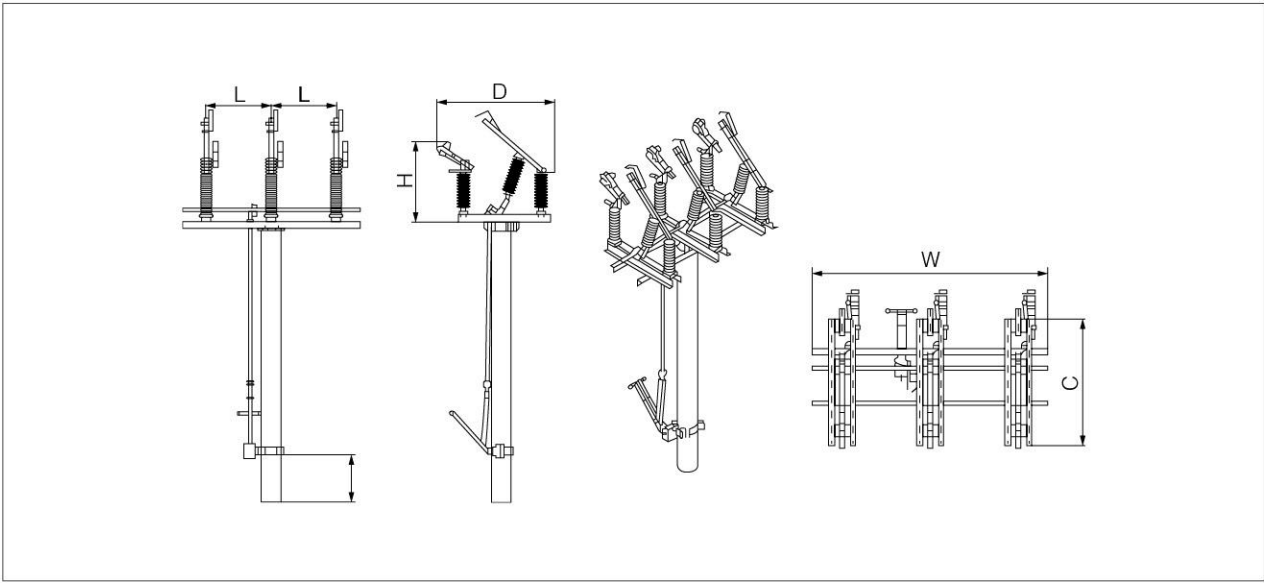
Rated voltage: 12kV-24kV-36kV

Rated current: 630A-1250A

Power frequency withstand: 42/65/95KV

Lighting impluse withstand voltage: 95/150/215kV

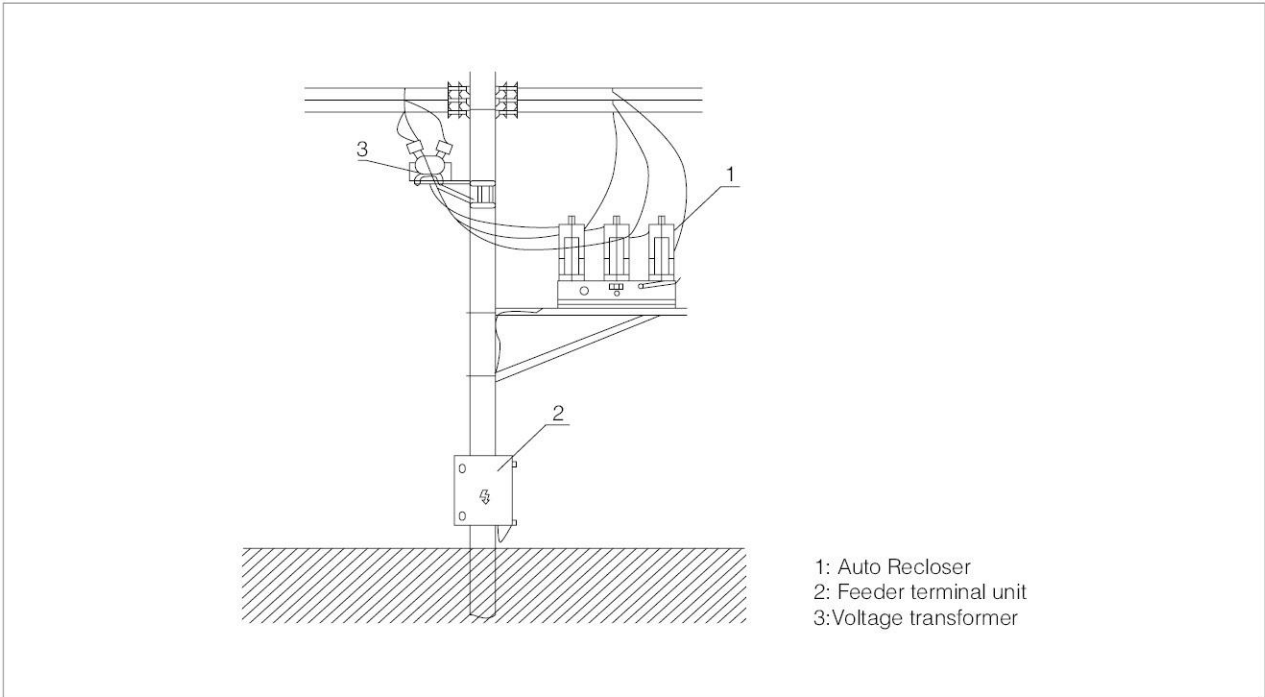
Short circuit withstand: 20/25kA



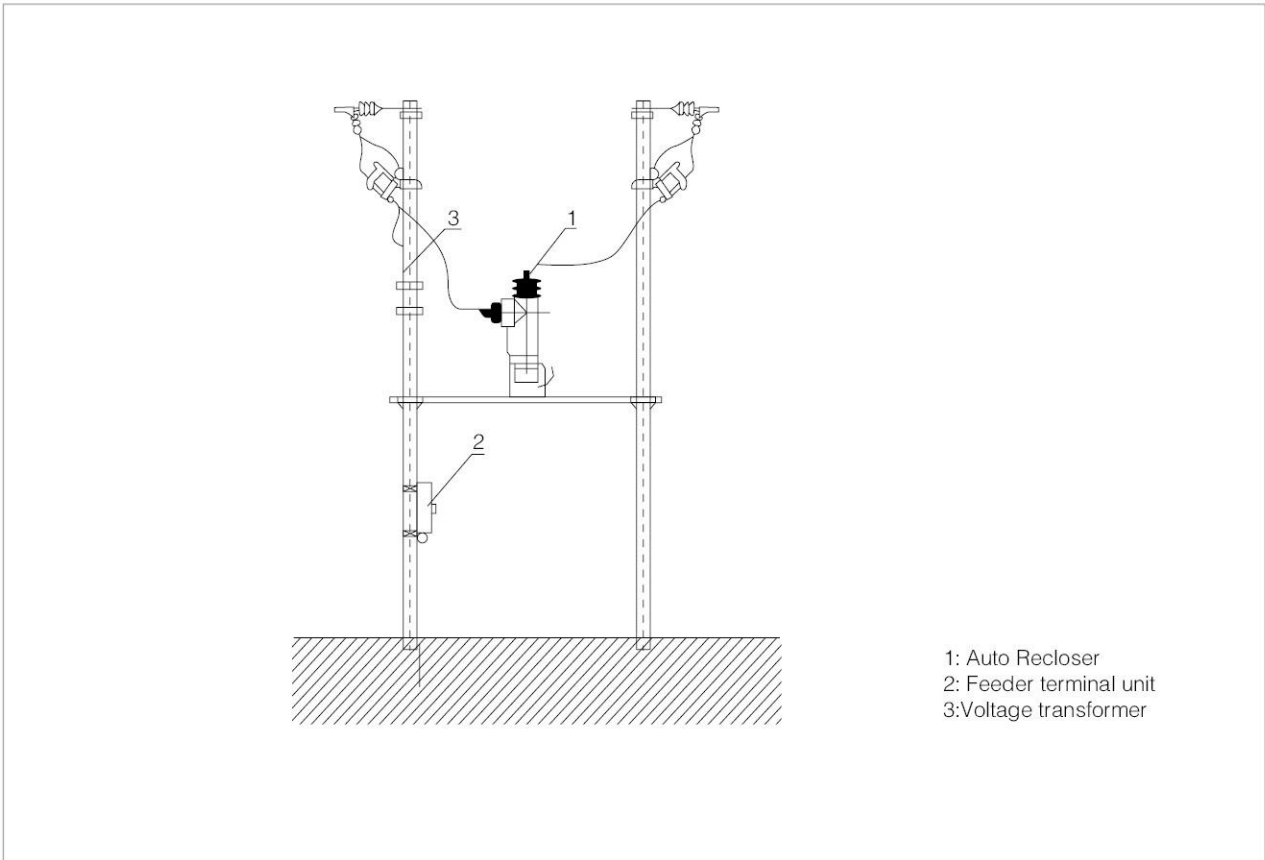
Type	C	D	F	H	L	W
LBS-12	800	1080	1200	670	775	1100
LBS-24	900	1180	1200	770	450	1400
LBS-36	1000	1280	1200	870	700	1900

Pole-mounted 3 Phase Vacuum Auto Recloser

Single pole installation

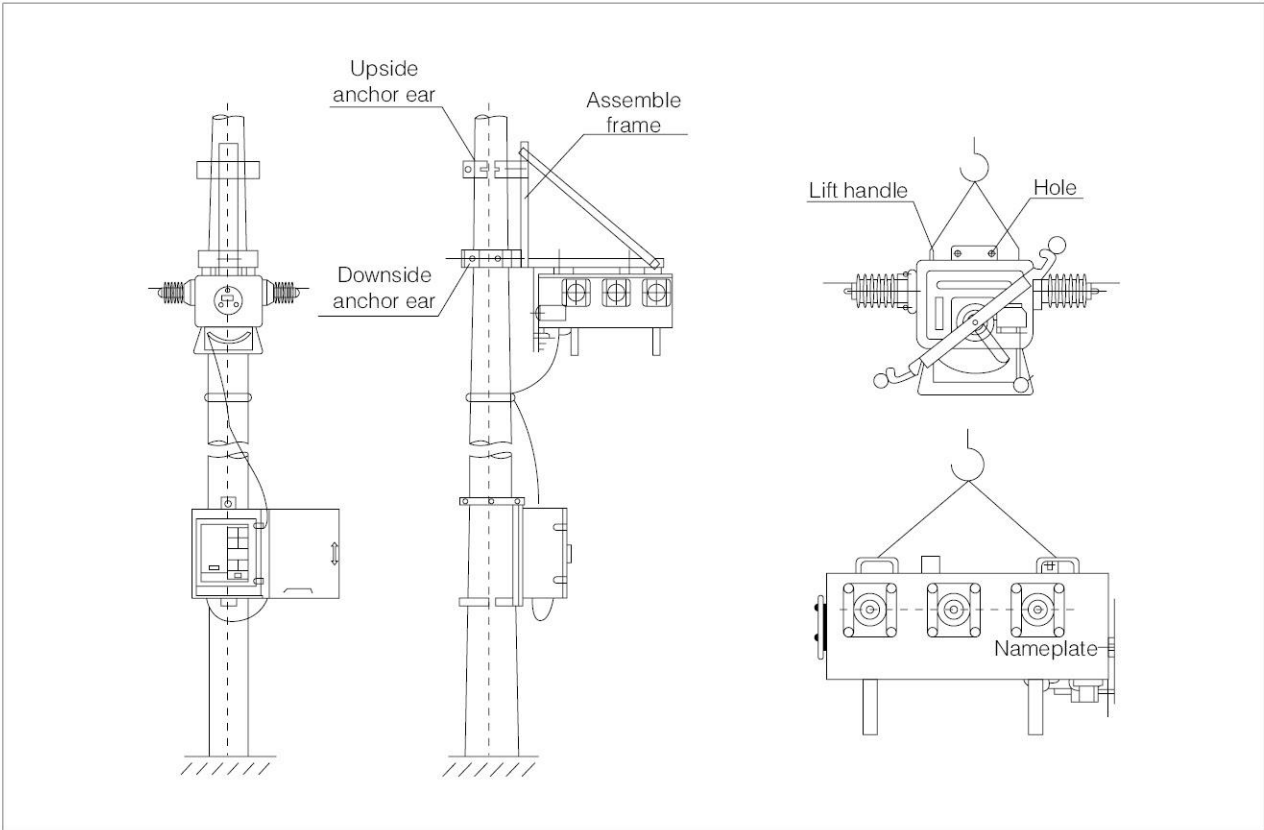


Double pole installation

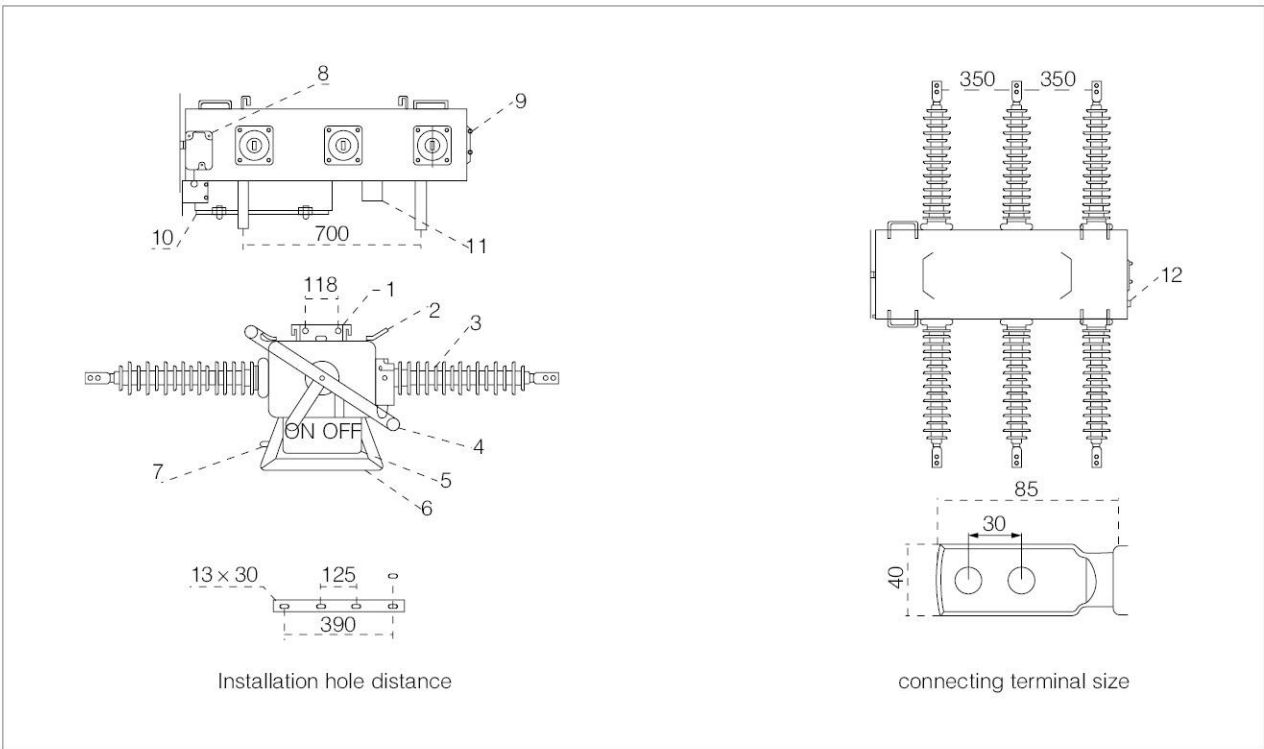


Pole-mounted SF6 Load Breaker Switch

Single pole installation

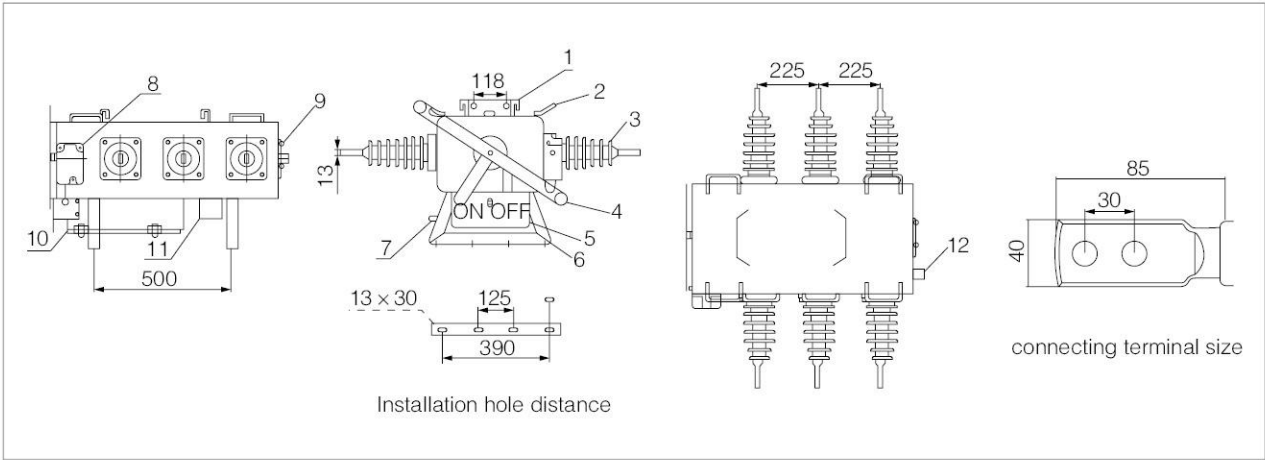


Dimensional drawing of 36kV SF6 load switch

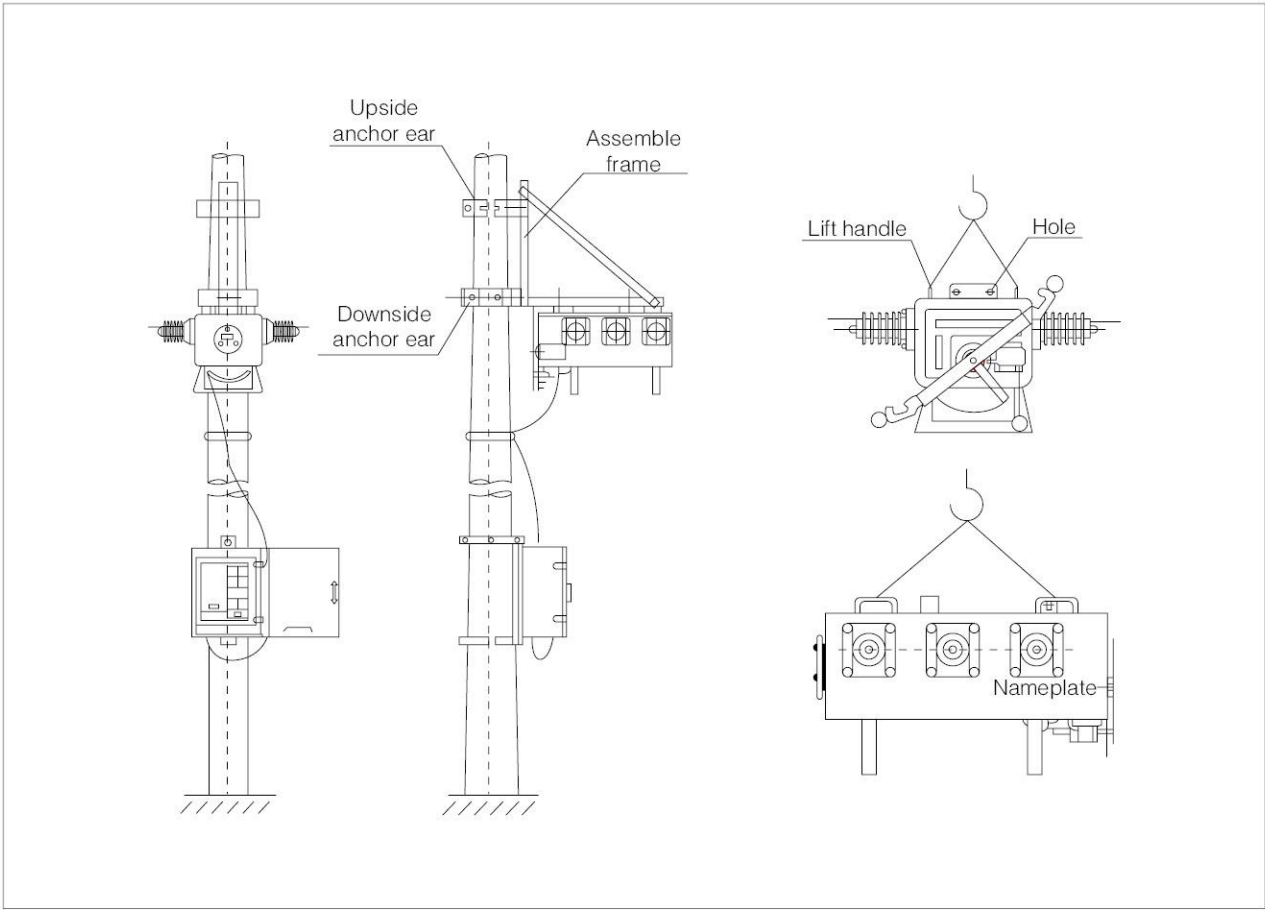


Pole-mounted SF6 Load Breaker Switch

Dimensional drawing of 12kV SF6 load switch

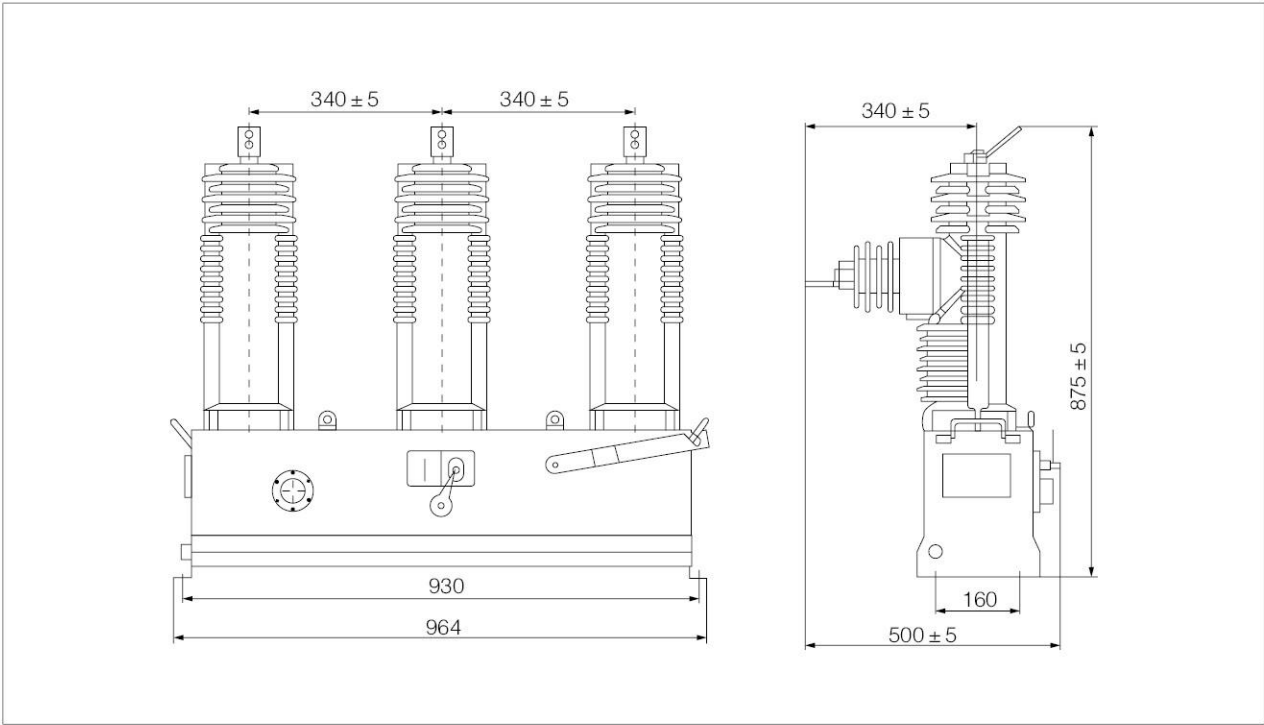


Single pole installation

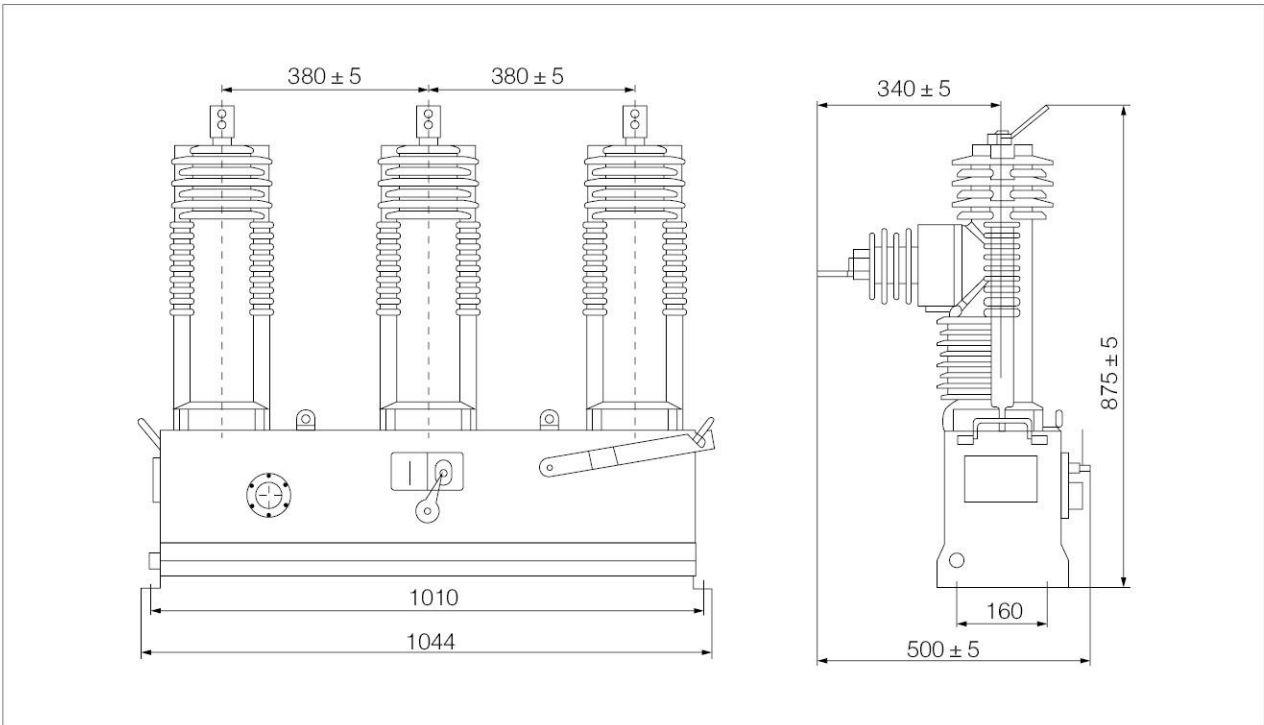


Pole-mounted 3 Phase Vacuum Auto Recloser

Dimensional drawing of 12/18kV Auto Recloser



Dimensional drawing of 24/36kV Auto Recloser



Overhead LV Fuse Cutout

Introduction

The cutout bases and fuse carriers shall have the following current ratings at 230/400V: Three phase and neutral for transformers up to 500kVA: 400A; and Three phase and neutral for transformers above 500kVA:630A.

Housing

The outer housing of the units shall be comprised of Grey insulating material of sufficient mechanical strength as to prevent it from becoming damaged. The material shall be resistant to ultra violet degradation and have flame retardant properties. The Grey colour shall be RAL 7035 code system according to DNA (German Standards Board, Frankfurt, Germany).

Fuse Carrier

The fuse carrier shall be required to take J.P. type cartridge fuse links with 82mm centers, conforming to BS 88. Tightening screws shall have insulated tops to enable the fuse carrier to be removed without safety devices (rubber gloves, etc.)

Wedge fuse link

WEDGE FUSE LINK J-TYPE

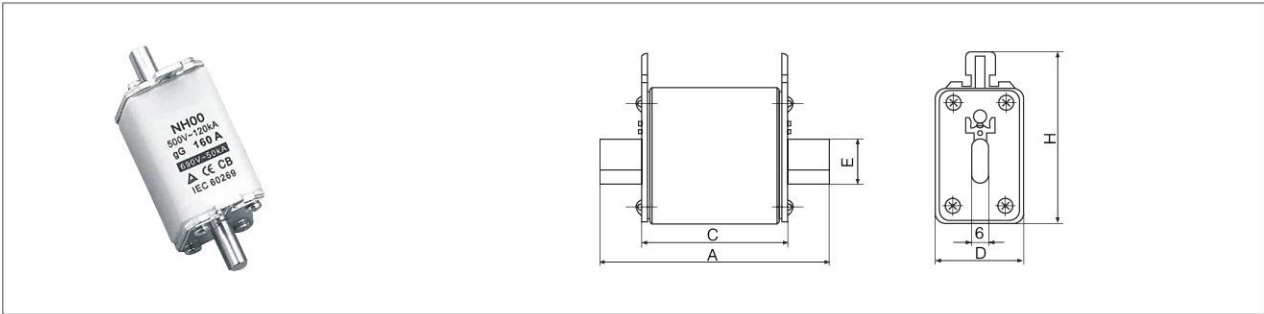
Item	JHU	JPU	JSU
Rated voltage	415/500V AC	415/500V AC	415/500V AC
Rated breaking capacity	50kV	50kV	50kV
Standard	IEC 60269-2-1 BS 88-2	IEC 60269-2-1 BS 88-2	IEC 60269-2-1 BS 88-2
Class	Gg/Q1	Gg/Q1	Gg/Q1
Rated current	20A-800A	20A-800A	20A-800A

HRC FUSE LINK with central tags

Item	TBC	TM	TT
Rated voltage	5000V AC	5000V AC	5000V AC
Rated breaking capacity	80kV	80kV	80kV
Standard	BS 88-2, IEC 60269-2-1	BS 88-2, IEC 60269-2-1	BS 88-2, IEC 60269-2-1
Class	Gg/Q1	Gg/Q1	Gg/Q1
Rated current	2A-63A	500A-630A	500A-630A

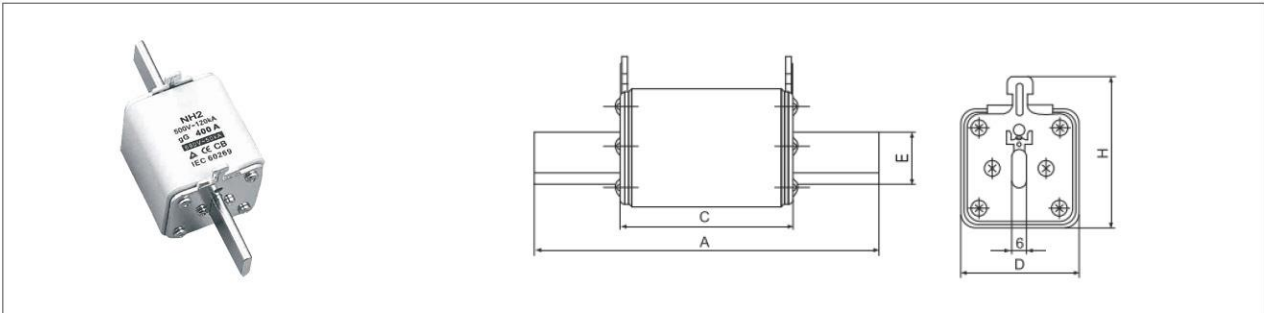
Low Voltage H.R.C Fuse

Basic Data



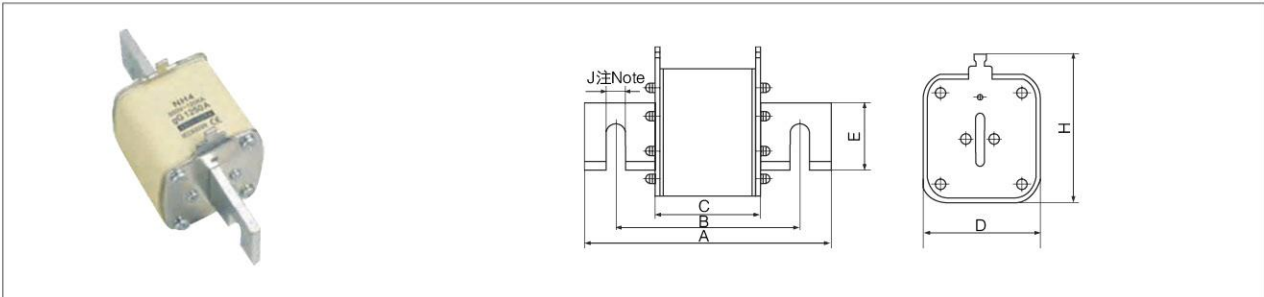
Model	Domestic and overseas similar products		Rated Voltage (V)	Rated current (A)	Overall dimension (mm)				
	gG	aR			A	C	D	E	H
NH00C	NH000C	RS30C	500/690	4-100	78	49.5	21	15	52.5
NH00	NH00	RS31	500/690	10-160	78	50.5	30	15	60
NH0	NH0		500/690	6-160	125	67	30	15	60

Basic Data



Model	Domestic and overseas similar products		Rated Voltage (V)	Rated current (A)	Overall dimension(mm)				
	gG	aR			A	C	D	E	H
NH1	NH1	RS32	500/690	32-250	135	68	46	20	58.5
NH2	NH2	RS33	500/690	80-400	150	68	58	25	68.5
NH3	NH3	RS34	500/690	160-630	150	68	70	32	82

Basic Data

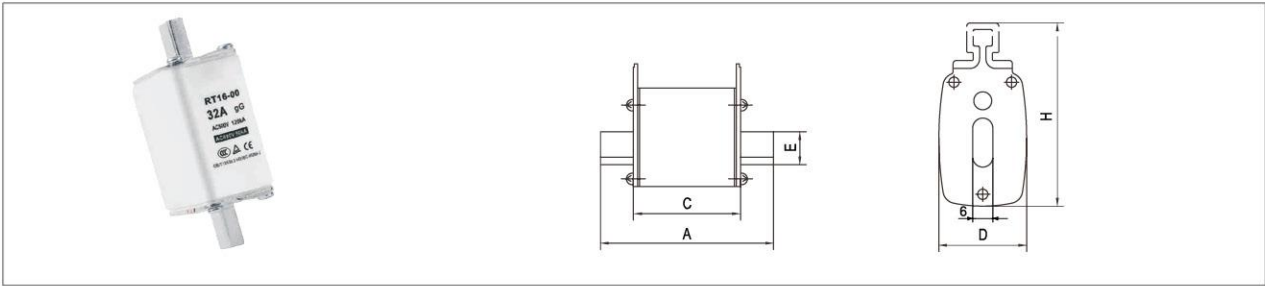


Model	Domestic and overseas similar products		Rated Voltage (V)	Rated current (A)	Overall dimension(mm)					
	gG	aR			A	C	E	D	H	J
NH4	NH4	RS39	500/690	500-1250	200	150	90	97	113	16.5

Note:It is allowable to change the double-transverse type wiring hole one-transverse one-straight or double-straight type structure

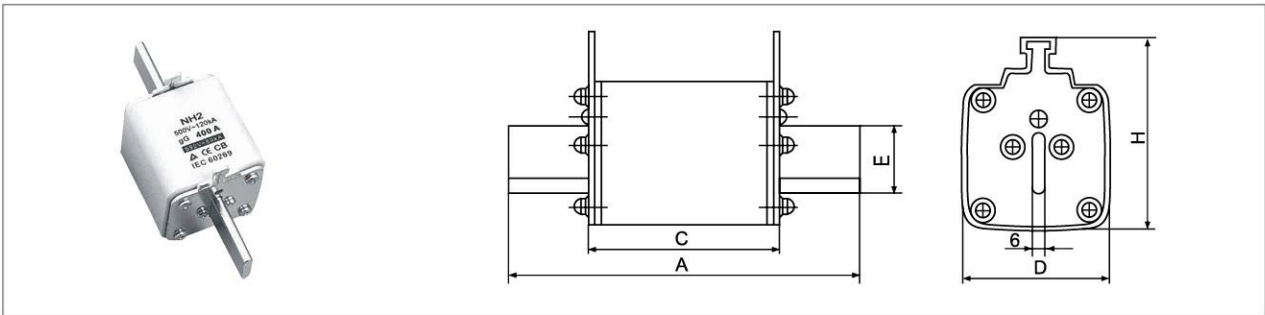
Low Voltage H.R.C Fuse

Basic Data



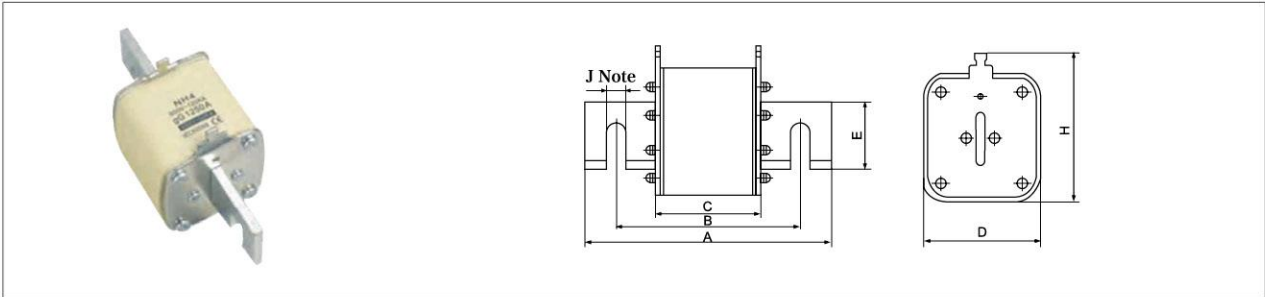
Model	Domestic and overseas similar products	Rated Voltage (V)	Rated current (A)	Overall dimension (mm)				
	gG			A	C	D	E	H
RO30A	NH00C	500/690	4-125	78	49	21	15	48
RT16-000	NT00CNH00C	500/690	4-125	78	49	21	15	52
RT16-00	NH00NH00TR20-003NA	500/690	10-160	78	49	29	15	52
RT16-0	NT0NH0	500/690	10-160	125	68	29	15	52

Basic Data



Model	Domestic and overseas similar products		Rated Voltage (V)	Rated current (A)	Overall dimension(mm)				
	gG	aR			A	C	D	E	H
RT16-1	NT1NH1	RS32	500/690	32-250	135	68	46	20	60
RT16-2	NT2NH2	RS33	500/690	80-400	150	68	58	25	72
RT16-3	NT3NH3	RS34	500/690	160-630	150	68	80	32	84

Basic Data

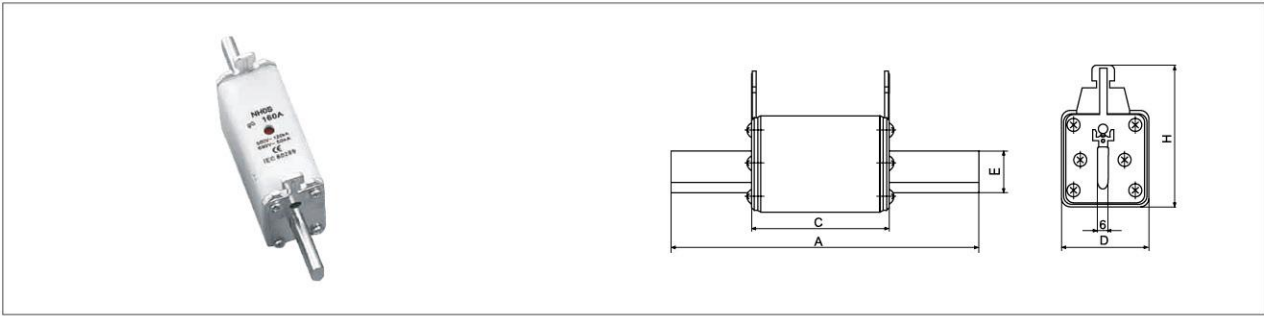


Model	Domestic and overseas similar products		Rated Voltage (V)	Rated current (A)	Overall dimension(mm)					
	gG	aR			A	C	E	D	H	J
NH16-4	NH4RT17	RS39	500/690	500-1250	200	150	90	97	113	16.5

Note:It is allowable to change the double-transverse type wiring hole one-transverse one-straight or double-straight type structure

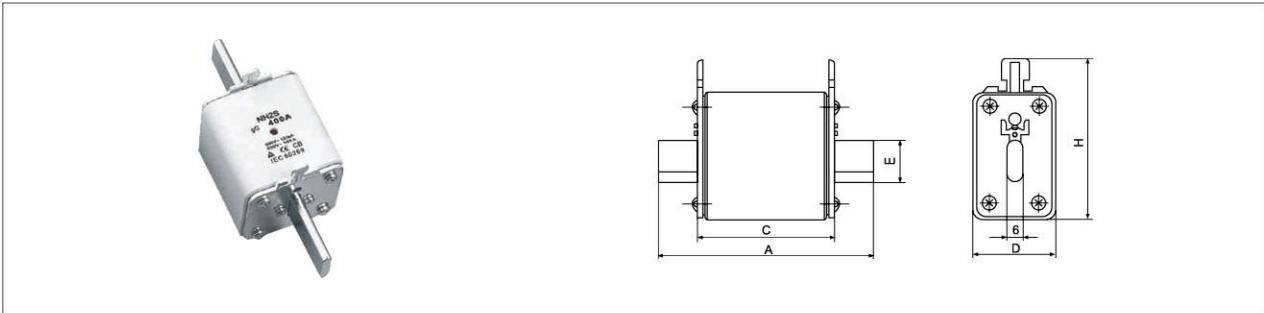
Low Voltage H.R.C Fuse

Basic Data



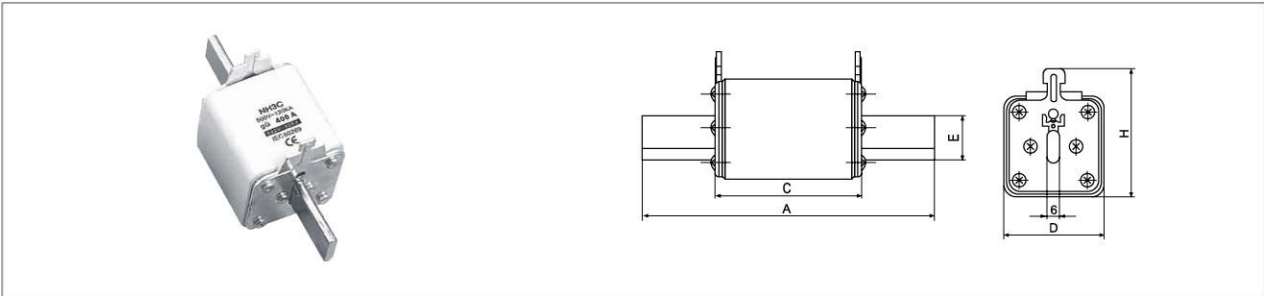
Model	Domestic and overseas similar products	Rated Voltage (V)	Rated current (A)	Overall dimension (mm)				
				A	C	D	E	H
NH000S	NH000S	500/690	4-100	78.5	49.5	21	15	52.5
NH00S	NH00S	500/690	10-160	78	50.5	30	15	60
NH0S	NH0S	500/690	6-160	125	67	30	15	60

Basic Data



Model	Domestic and overseas similar products	Rated Voltage (V)	Rated Current (A)	Overall dimension(mm)				
				A	C	D	E	H
NH1S	NH1S	500/690	32-250	135	68	46	20	58
NH2S	NH2S	500/690	80-400	150	68	58	25	68
NH3S	NH3S	500/690	160-630	150	68	80	32	82

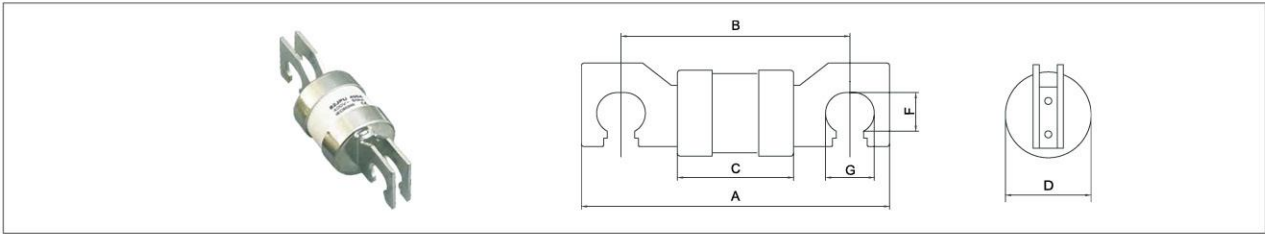
Basic Data



Model	Domestic and overseas similar products	Rated Voltage (V)	Rated Current (A)	Overall dimension(mm)				
				A	C	E	D	H
NH1C	NH1C (Small capacity)	500/690	16-160	136	68	15	30	67
NH2C	NH2C (Small capacity)	500/690	35-250	150	67	20	46	67
NH3C	NH3C (Small capacity)	500/690	200-400	151	67	25	58.5	81.5

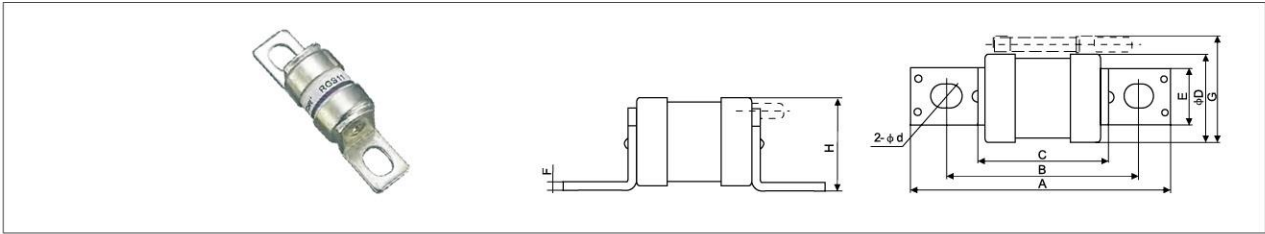
Low Voltage H.R.C Fuse

Basic Data



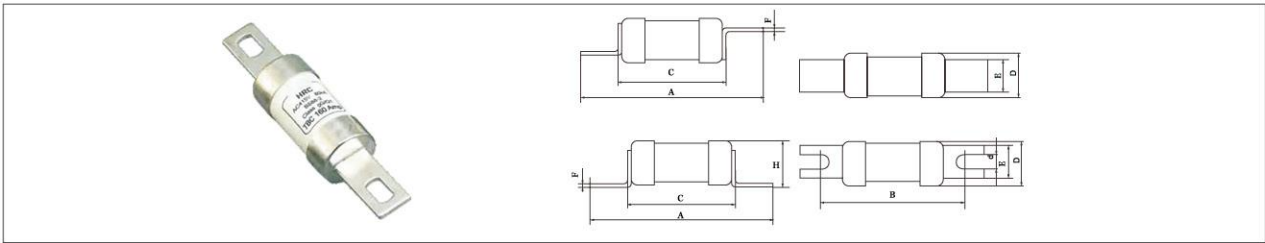
Model	Domestic and oversea similar products	Rated Voltage(V)	Rated Current(A)	Overall dimension(mm)					
				A	B	C	D	F	G
76JPU	RG8M	415/500	20-250	100	76	45	40	14	13
82JPU	RG8M	415/500	20-400	111	82	45	40	14	17
92JPU	RG8M	415/500	40-630	131	92	45	56	17	20

Basic Data



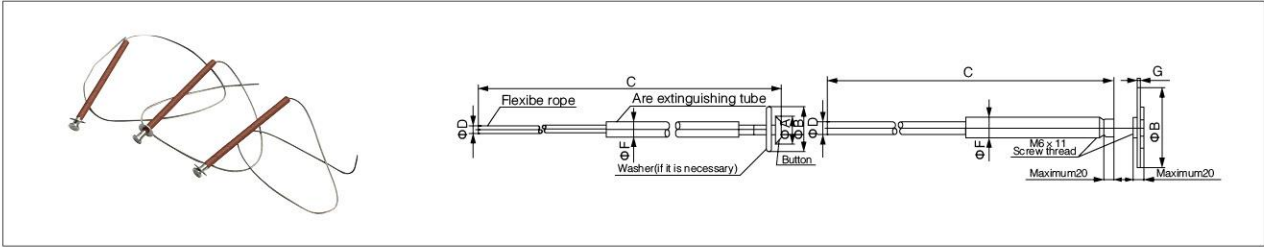
Model	Domestic and oversea similar products	Rated Voltage (V)	Rated Current (A)	Overall dimension(mm)									
				A	B	C	ΦD	E	F	H	2-Φd		
RG11	RGS11	250/380	32	56	42	27.5	16.5	12.5	2	17.5	6.5×9		
RG4(Z)	RGS4(Z)	500/690	63	77	62	49.5	16.5	12.5	2	18	6.5×9		
RG44(Z)	RGS44(Z)	415/500	100	94	72	49	32.5	25	2	21.5	11×14		
RG7(Z)	RGS7(Z)	415/500	100	113	94	68	34	19	2	35	9×11.5		

Basic Data



Model	Rated Voltage(V)	Rated current(A)	Overall dimension(mm)					
			A	B	ΦD	E	F	H
F1 NS	550V80KA	2-32	59		13.5	11	0.8	
F1 NSS	550V80KA		64		16	14.5	1	
A1 NIT	550V80KA	2-32	55	44.5	13.5	11	0.8	14.5
A2 TIA	550V80KA	2-63	86	73	22	13	1.2	24
A2 TIS	550V80KA	2-63	86	73	22	13	1.2	24
A3 TCP	550V80KA	40-100	110	94	27	19	2.0	28
A4TFP	550V80KA	125-200	117	94	35	20	2.0	38
B1	550V80KA	2-63		111				
B1 TBC	550V80KA	2-63	137	111	22	15		
B1 TC	550V80KA	80-100						
B2 TF	550V80KA	125-200	137	111	38	18		
B3 TKF	550V80KA	-315	137	111	49	26		
B4 TKM	550V80KA	-400	137	111	56	26		

HIGH-VOLTAGE FUSE LINK SERIES



Rated current (A)	Dimension (mm)					Quantity/carton
	A	B	C	D	F	
1-25	12.5+0.2	19.0+0.2	Notel	2.0	6.5	250
30-40	12.5+0.2	19.2+0.2	Notel	3.0	8.0	250
50-100	19.0+0.3	Not applicable	Notel	5.0	9.0	250
140-200	19.0+0.3	Not applicable	Notel	7.0	13.0	150

Technical characteristics

Table 1-melting current for type-K(fast)fuse links (A)

Rated current	300-or 600 Second Melting Current		10 Second Melting Current		0.1 Second Melting Current		Speed Ratio
	Min	Max	Min	Max	Min	Max	
2	4	4.8	—	10	—	58	—
4	8	9.6	—	10	—	58	—
6	12	14.4	13.5	20.5	72	86	6.0
10	19.5	23.4	22.5	34	128	154	6.6
16	33	40	39.5	58.5	230	275	6.9
25	50	60	60	90	350	420	7.0
31.5	66	80	81	120.5	469	573	7.1
40	80	96	96	146	565	680	7.1
50	101	121	126	188	719	862	7.1
80	160	192	205	307	1180	1420	7.4
100	200	240	258	388	1520	1820	7.6

Table 2-melting current for type -T(slow)fuse links (A)

Rated current	301-or 600 Second Melting Current		10 Second Melting Current		0.1 Second Melting Current		Speed Ratio
	Min	Max	Min	Max	Min	Max	
2	4	4.8	-	11	-	100	-
4	8	9.6	-	11	-	100	-
6	12	14.4	15.3	23	120	144	10.0
10	19.5	23.4	26.5	40	224	269	11.5
16	33	40	47.5	72	413	497	-
25	50	60	73.5	109	635	762	12.7
31.5	66	80	98	149	852.5	1023	12.9
40	80	96	120	178	1040	1240	13.0
50	101	121	152	226	1310	1570	13.0
80	160	192	248	370	2080	2500	13.0
100	200	240	319	475	2620	3150	13.1

LV FUSE CUTOUT

Use Scope

This series HRC suit for AC 50Hz, 12kV 400A Power system for over-load and short circuit Protection Rated breaking Capacity. This series products comply GB 15166 and IEC 291,282,644,787 comply.

Here are two kinds join type one is directly join the other is input type it had store energy spring type structure can be cut off very fast.

ITEM	Fused body type		Rated Voltage(kV)	Rated Voltage(A)
1601	GR	Φ41×332	12	6.3~125
		12kV×In		

Type.Rated voltage. Rated current A-S Dimensions installation see and Draning

ITEM	Fused body type		Rated Voltage(kV)	Rated Voltage(A)
1602	GR7	Φ60×310	7.2	31.5~100
		7.5kV×In		
1603	GR8	Φ75×360	7.2	100~355
		7.2kV×In		
1604	GR12	Φ48×478	7.2	25~80
		7.2kV×In		

ITEM	Fused body type			Rated VoltagekV	Rated Voltage(A)	Dimension (mm) ΦA
	Fuerte		Same series			
1609	GR9	Φ80×360	SDDLJ	12	6.3-63	51
		10kV×In				
1610	GR10	Φ76×360	SFLDJ	12	6.3-63	73
		12kV×In	SKLDJ			

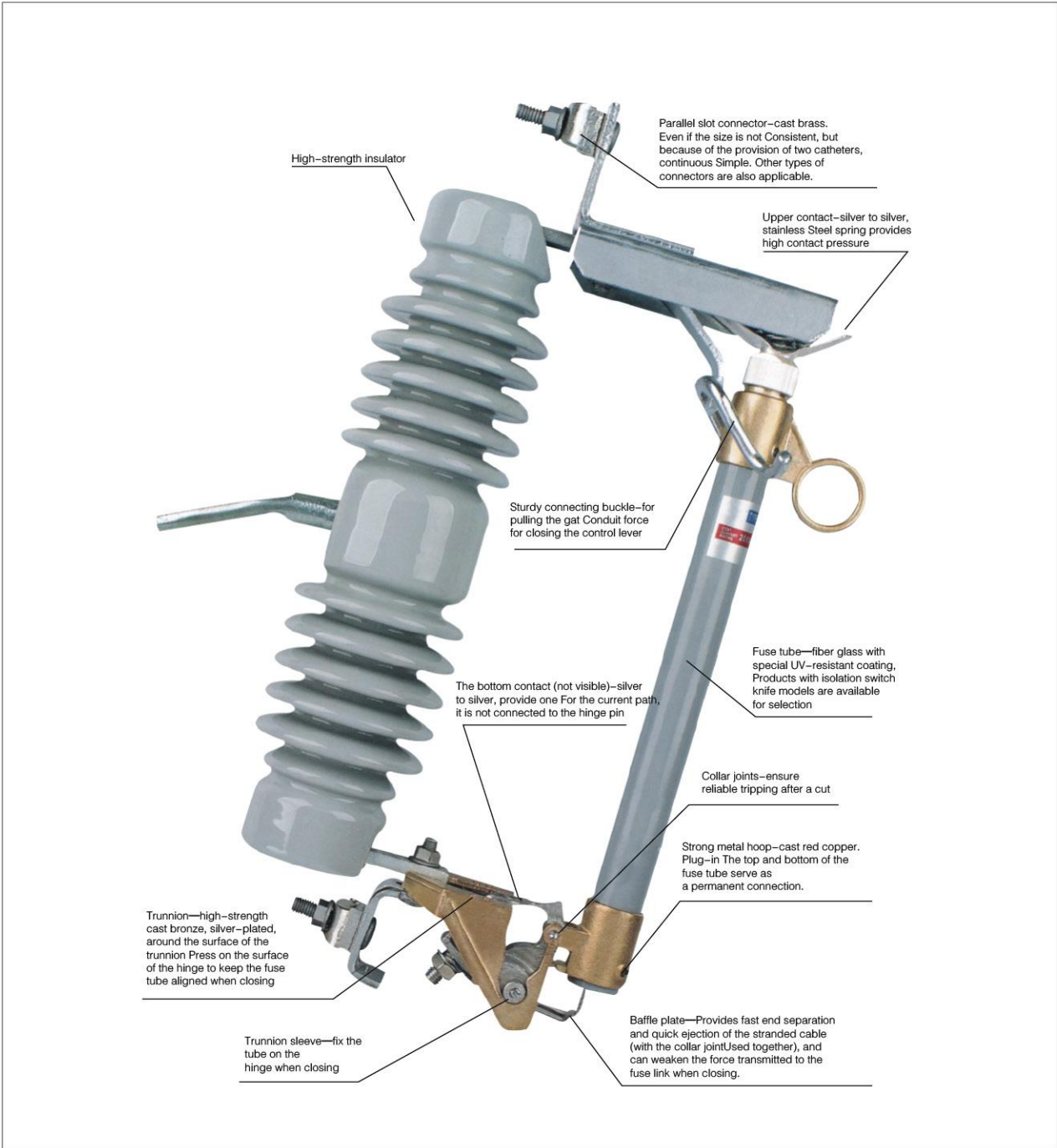
ZLRS CUTOUT WITH FOR FUES LINK UP TO 100A

ZLRS cutot desingn manufacture as per standard BS 1361 safe mguard distribution, control and protecion from shocks &accidental touch.Itismadc of DMCType glass reinforced polyester thermoset material having high mechanical and dielectric strength, the body posses non-hygroscopic and non-tracking qualities.Electrolyic Copper with phosphor bronze back up compression springs capable of providing flawless service for years of use.In the ZLRS cotout,the terminals suitabei for aluminium/copper conductors with a section upto 35mm².

LV FUSE CUTOUT

Model	Rated Voltage (kV rms)	Continuous operating voltage (kVrms)	Lightning Impulse Residual Voltage Under Nominal Discharge Current (≤ vKp)	Line Discharge Class	Creepage Distance (mm)	2ms square wave impulse current withsta nd (A)	4/10μ High Current Impulse Withstand
YH/20/WZ-108	108	84	281	3&4	3555	800	100
YH/20/WZ-120	120	98	300	3&4	4153	800	100
YH/20/WZ-150	150	120	416	3&4	5040	800	100
YH/20/WZ-200	200	156	520	3&4	7110	800	100
YH/20/WZ-240	240	192	622	3&4	9600	800	100
VH/20/WZ-336	336	269	870	4	14400	800	100

Porcelain housed surge arrester is also available with every voltage level.



LV FUSE CUTOUT

Summary

Drop out type lightning arrester is a distribution type zinc oxide arrester modified cleverly mounted on a falling type fuse cutout on the structure. To achieve power in the circumstances, can use the insulating pull rod of the arrester and convenient detection, repair and replacement, not only to ensure the lines smooth, but also greatly reduced power maintenance personnel's working strength and time, is particularly applicable to not cut places such as tele-communications, the airport station, hospital, the bustling commercial area. Products of other properties with distribution type lightning arrester. The second generation type lightning arrester has increased from the device, the device to avoid thunder abnormality occurs, the short-circuit current let out of action, so that the disengaging components falling out of operation, to prevent accidents further expansion, and easy to maintenance personnel found in time for repair and replacement, the falling principle similar to fuse tube falling off caused by

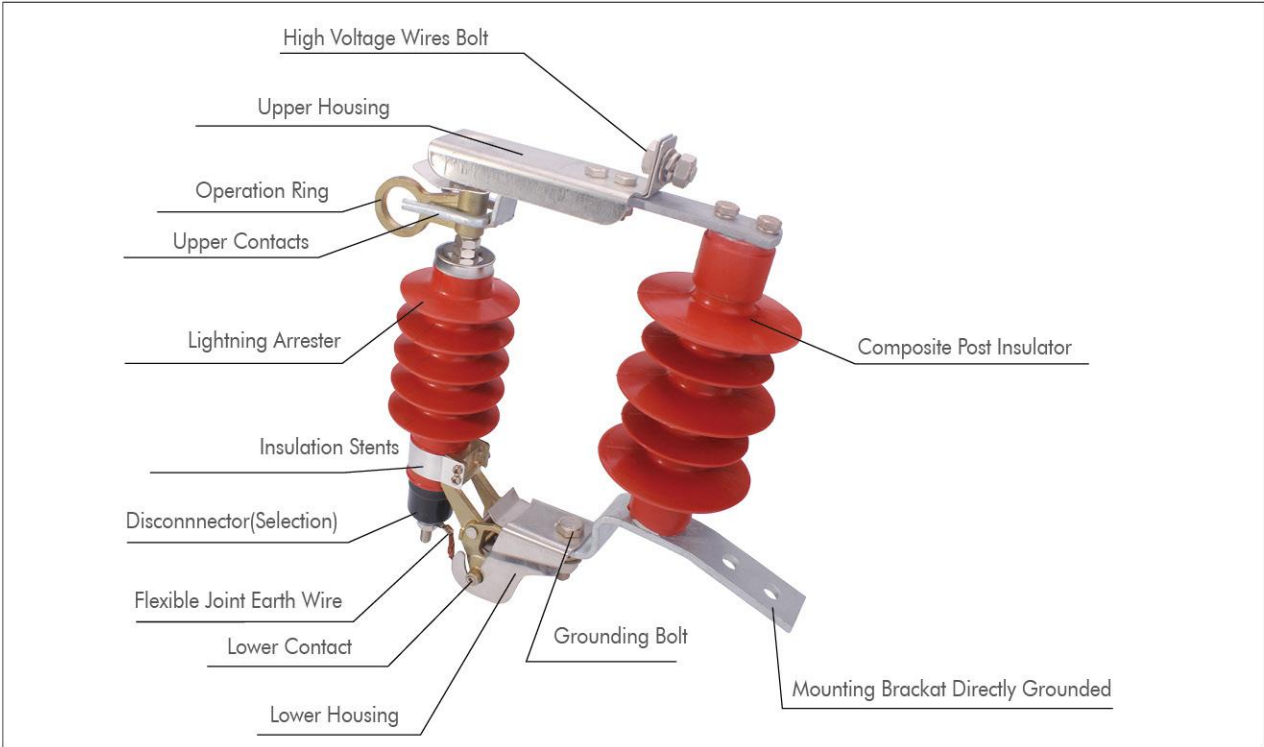
Our company adopted the current international most advanced RW12 type drop mechanism, reliable contact, and flexible, and the compound stainless steel cover advanced accessories, antifouling, fast operation speed, current range is wide, and can withstand current impulse and operating load advantages. Product performance meets the state standard GB1032-2000 (equivalent to IEC 60099-4) < cross flow of metal oxide surge arresters without gaps >. JB/T 8952-2005 AC system with composite coat of metal oxide surge arresters without gaps >. GB3111-1997 < of high voltage transmission and transformation equipment insulation coordination >.

Characteristic

- 1. Lightning arrester unit can be charged at any time, particularly suitable for loading and unloading place should not be cut
- 2. Belt disengaging device, arrester unit fault can automatically turn fall, out of the operation, safeguard the normal traffic line
- 3. Because the failure unit falling form marked, easy to find, to repair and replace
- 4. Lightning arrester using composite coat, drop mechanism adopts a composite column. good hydrophobicity, stain resistant ability



LV FUSE CUTOUT



Type	Rated	Maximum continuous	1/4us Lightning	B/20us Lightning
	kV	kV	kW(peak)	kV(peak)
HY5W-12	12	10.2	42.2	36
HY5W-36	36	29.0	123.0	108
HY10W-12	12	10.2	42.2	36
HY1W-36	36	29.0	123.0	108

5kA Distribution Class 1

Type	Rated voltage	Maximum Continuous Operating Voltage	1/4us Lightning Current impulse	8/20us Lightning Current impulse	30/60us Switching Current impulse	2ms Rectangular current impulse withstand	4/10us High current impulse withstand
	kV	kV	kV(peak)	kV(peak)	kV (peak)	A	kA (crest)
HY5W-3	3	2.55	11.3	9	8.9	120-200	65-75
HY5W-6	6	5.1	22.6	18	16.8	120-200	65-75
HY5W-9	9	7.65	33.7	27	23.8	120-200	65-75
HY5W-10	10	8.4	36.0	30	23	120-200	65-75
HY5W-11	11	9.4	40.0	33	30	120-200	65-75
HY5W-12	12	10.2	42.2	36	27	120-200	65-75
HY5W-15	15	12.7	51.0	45	38.5	120-200	65-75
HY5W-18	18	15.3	61.5	54	46.2	120-200	65-75
HY5W-21	21	17.0	71.8	63	54.2	120-200	65-75
HY5W-24	24	19.5	82.0	72	62	120-200	65-75
HY5W-27	27	22.0	92.0	81	69.8	120-200	65-75
HY5W-30	30	24.4	102.0	90	79	120-200	65-75
HY5W-33	33	27.5	112.0	99	86.7	120-200	65-75
HY5W-36	36	29.0	123.0	108	95.4	120-200	65-75
HY5W-42	42	34.1	132.3	126	100.1	120-200	65-75

10kA Distribution Class 1

Type	Rated voltage	Maximun Continuous Operating Voltage	1/4us Lightning Current impulse	8/20us Lightning Current impulse	30/60us Switching Current impulse	2ms Rectangular current impulse withstand	4/10us High current impulse withstand
	kV	kV	kV(peak)	kV(peak)	kV (peak)	A	kA (crest)
HY10W-3	3	2. 55	11.3	9	8.9	250-400	100
HY10W-6	6	5.1	22.6	18	16.8	250-400	100
HY10W-9	9	7. 65	33.7	27	23.8	250-400	100
HY10W-10	10	8.4	36.0	30	23	250-400	100
HY10W-11	11	9.4	40.0	33	30	250-400	100
HY10W-12	12	10.2	42.2	36	27	250-400	100
HY10W-15	15	12.7	51.0	45	38.5	250-400	100
HY10W-18	18	15.3	61.5	54	46.2	250-400	100
HY10W-21	21	17.0	71.8	63	54.2	250-400	100
HY10W-24	24	19.5	82.0	72	62	250-400	100
HY10W-27	27	22.0	92.0	81	69.8	250-400	100
HY10W-30	30	24.4	102.0	90	79	250-400	100
HY10W-33	33	27.5	112.0	99	86.7	250-400	100
HY10W-36	36	29.0	123.0	108	95.4	250-400	100
HY10W-42	42	34.1	133.0	126	100. 1	250-400	100

10kA Distribution Class 1

Type	Rated voltage	Maximun Continuous Operating Voltage	1/4us Lightning Current impulse	8/20us Lightning Current impulse	30/60us Switching Current impulse	2ms Rectangular current impulse withstand	4/10us High current impulse withstand
	kV	kV	kV(peak)	kV(peak)	kV (peak)	A	kA (crest)
HY10W-3	3	2. 55	10	9	8	250-400	100
HY10W-6	6	5.1	20	18	16	250-400	100
HY10W-9	9	7. 65	31	27	24	250-400	100
HY10W-10	10	8.4	35	30	26	250-400	100
HY10W-11	11	9.4	38	33	29	250-400	100
HY10W-12	12	10.2	41	36	32	250-400	100
HY10W-15	15	12.7	51	45	40	250-400	100
HY10W-18	18	15.3	62	54	48	250-400	100
HY10W-21	21	17.0	72	63	56	250-400	100
HY10W-24	24	19.5	82	72	64	250-400	100
HY10W-27	27	22.0	93	81	72	250-400	100
HY10W-30	30	24.4	103	90	81	250-400	100
HY10W-33	33	27.5	113	99	89	250-400	100
HY10W-36	36	29.0	124	108	97	250-400	100
HY10W-42	42	34. 1	145	126	113	250-400	100

10kA Power station/Substation Class 2

Type	Rated voltage	Maximun Continuous Operating Voltage	1/4us Lightning Current impulse	8/20us Lightning Current impulse	30/60us Switching Current impulse	2ms Rectangular current impulse withstand	4/10us High current impulse withstand
	kV	kV	kV(peak)	kV(peak)	kV (peak)	A	kA (crest)
HY10W-60	60	48	208	180	160	600-900	100
HY10W-66	66	52.8	230	198	172	600-900	100
HY10W-72	72	57.6	252	216	184	600-900	100
HY10W-78	78	62.4	274	234	196	600-900	100
HY10W-84	84	67.2	296	252	208	600-900	100
HY10W-90	90	72	318	270	220	600-900	100
HY10W-96	96	76.8	340	288	232	600-900	100
HY10W-102	102	81.6	362	306	244	600-900	100
HY10W-108	108	86.4	384	324	256	600-900	100
HY10W-120	120	96	428	360	280	600-900	100
HY10W-150	150	120	538	450	340	600-900	100
HY10W-200	200	160	720	600	440	600-900	100

Dropout Fuse Cutout

- Parallel-groove connector

Tinned for No.6 soild through 250 KC mil stranded copper or aluminum.

- Recoil bar

Heavy galvanized steel(which is also used for inserts, hangers, structural bolts and nuts)

- Brid proof-design insulator

Higher insulation characteristics than ANSI distribution-cutout standards and equal in most cases to ANSI switch and bus standards

- Lower contacts

Not visible-silver-to-silver.provide dual current path.independent of hingepivot.Stainless-steel backup springs prevent arcing when tube rises in hinge during recoil

- Upper Contacts

Silver-to-siver at both surfaces

- Attachment hooks

For load buster Heavy construction also serves to guide tube during closing

- Fuse tube

Fiber-lined epoxy fiber glass

- Toggle joint

Collapses to permit dropout when link severs



- Sturdy ferrules

Pinned to lop and bottom of tube for permanent alignment, Large, accessible lifting ring.

- Trunnion pocket

secures tube in hinge during closing

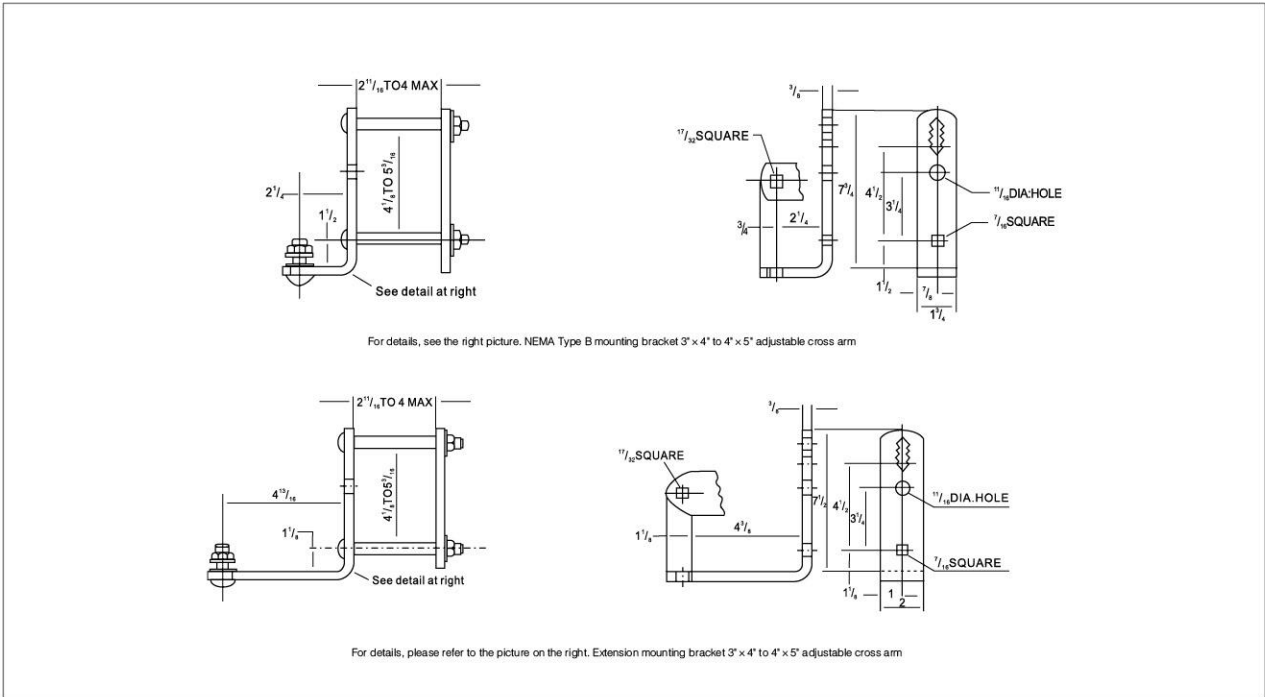
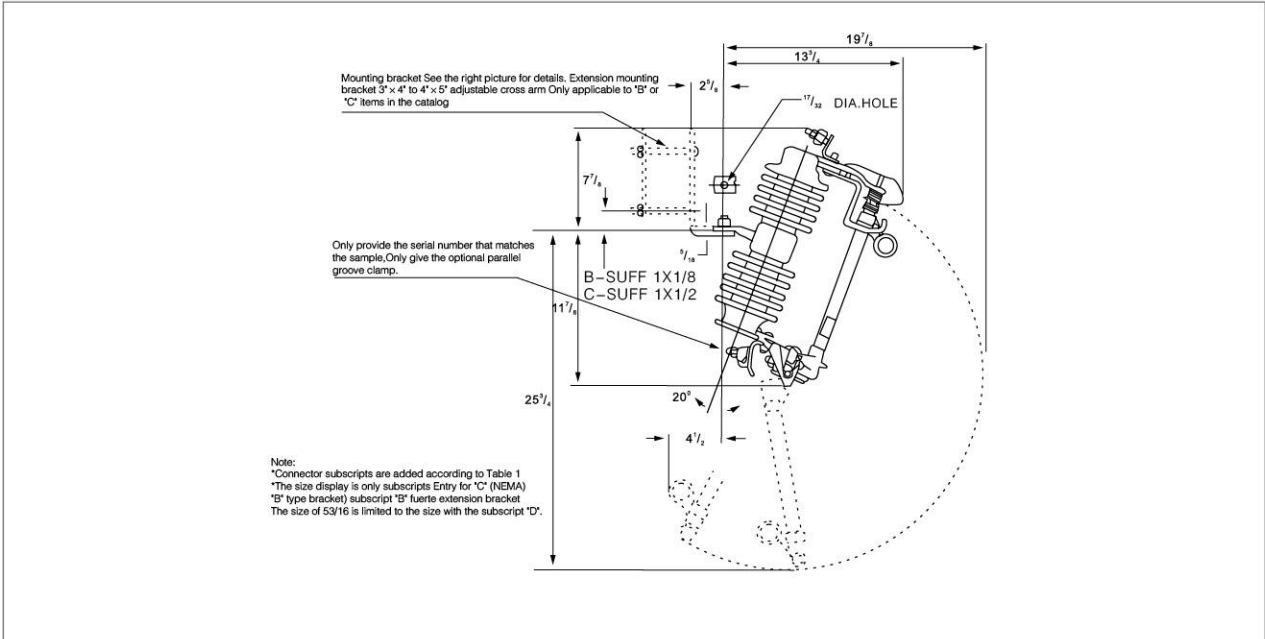
- Trunnion casting

surfaces around trunnion bear on broad hinge surfaces to keep tube in alignment during closing

- Flipper

gives high-speed terminal separation,quick cable flip-out,and(in concoction with the toggle joint) reduces transmission of forces to fuse link during closing

Dropout Fuse Cutout



Connector suffix

Type connector	Wire size	Catalog no.suffix
Parallel groove	No.6 solid cu.thru 250KC will stranded cu.Or al.Or 4/0 sc sr.	-D
Eye bolt	No.6 solid cu.thrn 2/0stranded cu.Or al	-J
Eye bolt	No.6 solid cu.thru 250KC will stranded cu.Or al.Or 4/0 sc sr.	-M

Style	Rating	leakage d~stance to gro.minmun inches
	catalog KV,nom bil amps	
Extra heavy duty	HRW 25 150 100	17
Ultra heavy duty	HRW 25 150 100	17
Heavy duty	HRW 14.4 150 100	17

Dropout Fuse Cutout

12KV-33KV

Type	Rated voltage (kv)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (MM)	Weight (KG)	Dimensions (CM)
JSDR-3	12	100	6300	110	40	250	7.3	38.5×34×11
JSDR-3	12	200	8000	110	40	250	7.3	
JSDR-3	15	100	8000	125	45	320	8.5	40×34×11
JSDR-3	15	200	10000	125	45	320	8.5	
JSDR-3	24	100	8000	150	65	530	12	48×34×15
JSDR-3	24	200	10000	150	65	530	12	
JSDR-3	33	100	10000	170	70	720	15	68×37×15
JSDR-3	33	200	12500	170	70	720	15	

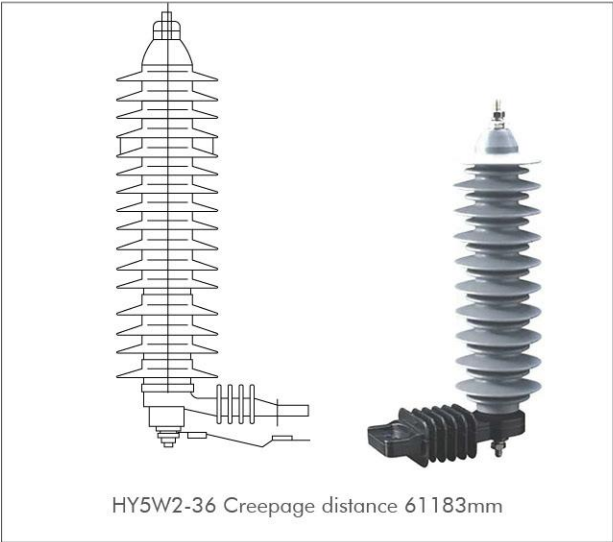
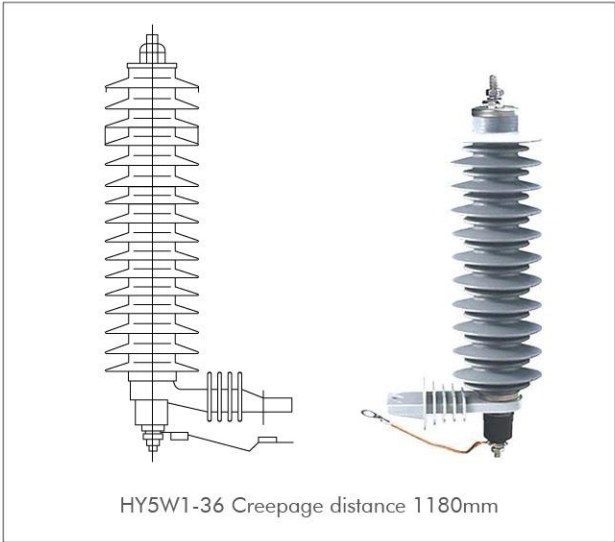
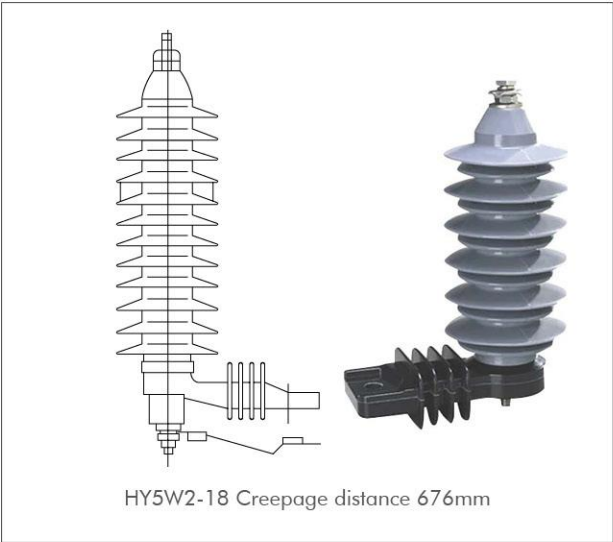
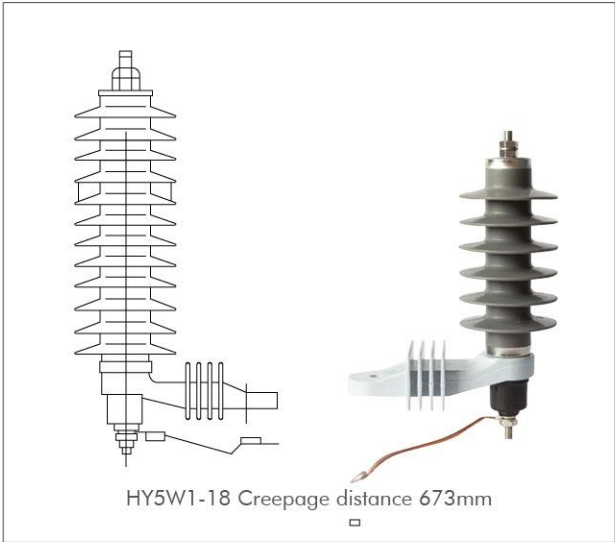
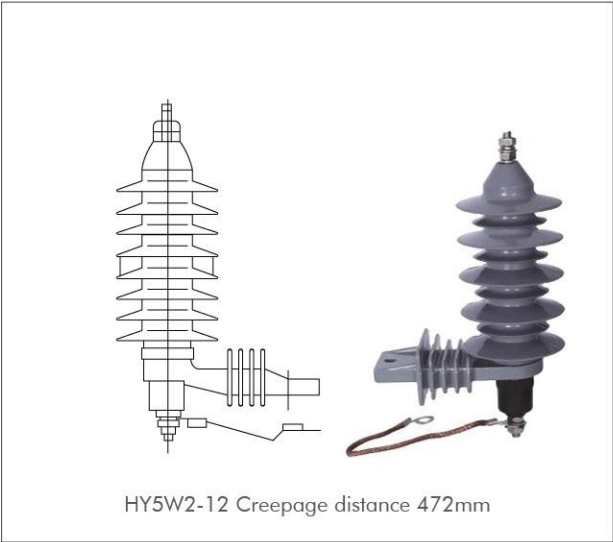
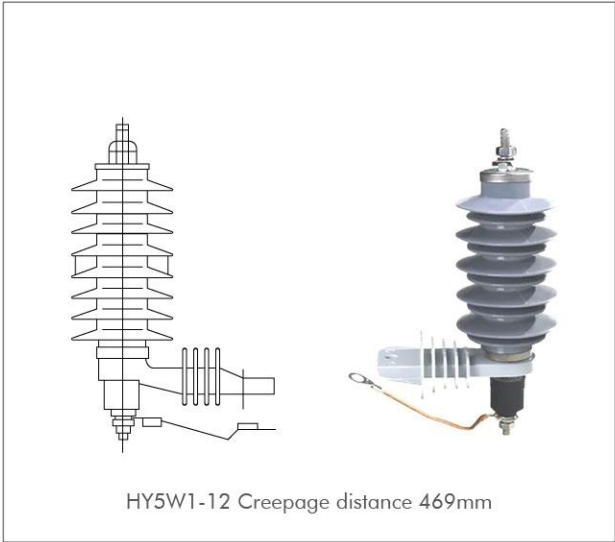
12KV

Type	Rated voltage (kv)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (MM)	Weight (KG)	Dimensions (CM)
FHY5WS	12	100	6300	110	42	350	3.8	48×12×31
FHY5W5	12	200	8000	110	42	350	3.8	

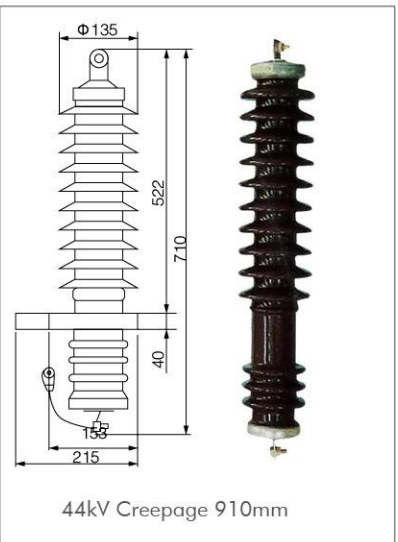
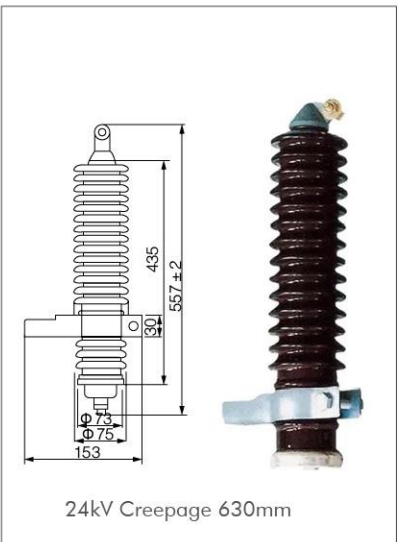
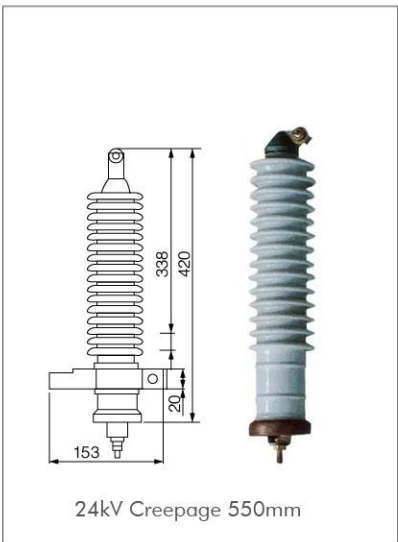
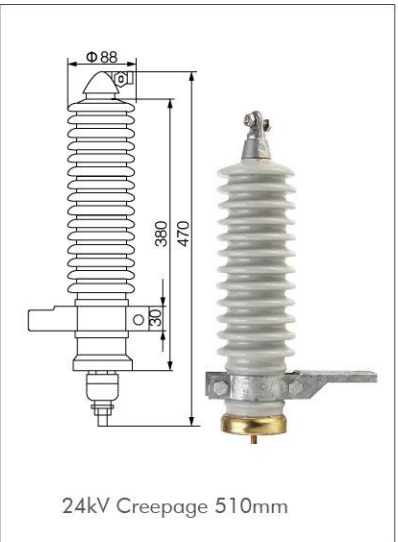
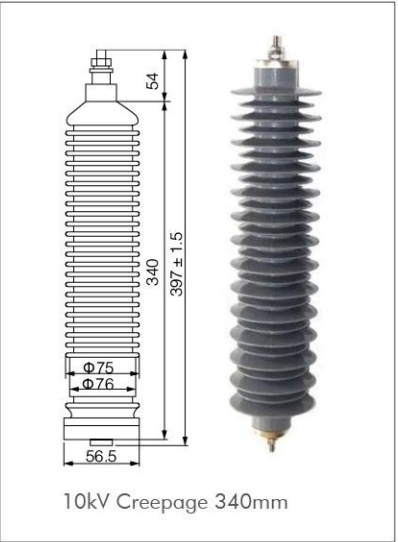
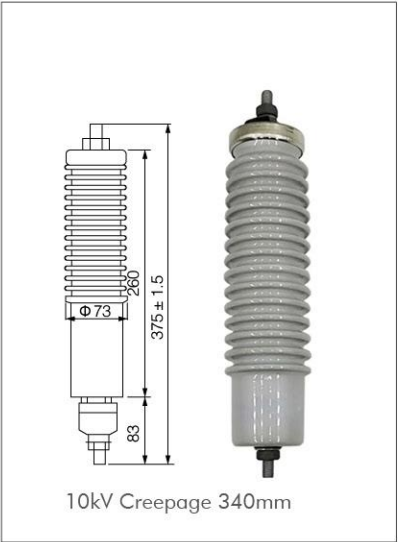
35KV

Type	Rated voltage (kv)	Rated current (A)	Breaking current (A)	Impulse voltage (BIL)	Power-frequency withstand voltage	Leakage distance (MM)	Weight (KG)	Dimensions (CM)
RW5	35	100	10000	170	70	800	16	68×40×17
RW5	35	200	12500	170	70	800	16	

Dropout Fuse Cutout



Dropout Fuse Cutout



HY5W、HY10W Serise Polymer Type Lightning Arrester

Main Technical Parameter

5KA Gapless arrester electrical character

Type	Rated voltage (kv)	MCOV(kv)	Residual voltage(kv)			2000 μs square wave impules current withstand	4/10μs high current impules
			Steep current impulse	Switching current impulse	8/20μs Lighting current impulse		
HY5W-3	3	2.55	9.5	7.7	9	100	65
HY5W-6	6	5.1	19.0	15.4	18	100	65
HY5W-9	9	7.65	28.5	23.1	27	100	65
HY5W-12	12	10.2	38.0	30.8	36	100	65
HY5W-15	15	12.7	47.5	38.5	45	100	65
HY5W-18	18	15.3	57.0	46.2	54	100	65
HV5W-21	21	17.0	66.5	53.9	63	100	65
HY5W-24	24	19.2	76.5	61.6	72	100	65
HY5W-27	27	21.9	85.5	69.3	81	100	65
HY5W-30	30	24.4	95.0	76.5	90	100	65
HY5W-33	33	26.8	104.5	84.7	99	100	65
HY5W-36	36	29	114.0	91.4	108	100	65
HY5W-42	42	34.1	132.3	100.1	126	100	65

10KA Gapless arrester electrical character

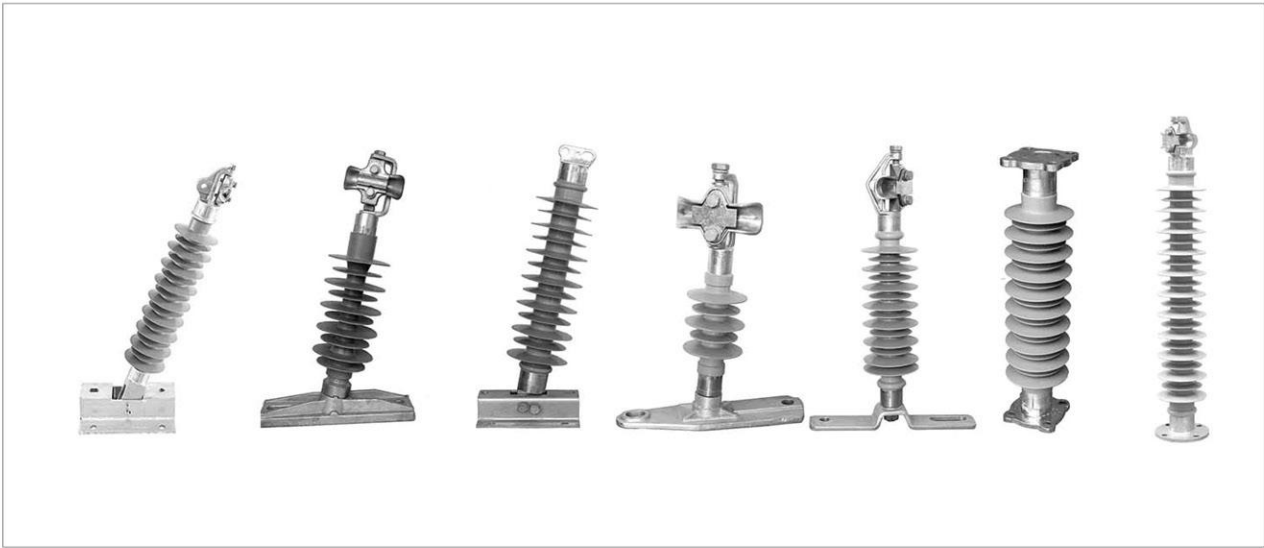
Type	Rated voltage (kv)	MCOV(kv)	Residual voltage(kv)			2000 μs square wave impules current withstand	4/10μs high current impules
			Steep current impulse	Switching current impulse	8/20μs Lighting current impulse		
HY10W-3	3	2.55	9.5	7.7	9	1	100
HY10W-6	6	5.1	19.0	15.4	18	1	100
HY10W-9	9	7.65	28.5	23.1	27	1	100
HY10W-12	12	10.2	38.0	30.8	36	1	100
HY10W-15	15	12.7	47.5	38.5	45	1	100
HY10W-18	18	15.3	57.0	46.2	54	1	100
HY10W-21	21	17.0	66.5	53.9	63	1	100
HY10W-24	24	19.2	76.5	61.6	72	1	100
HY10W-27	27	21.9	85.5	69.3	81	1	100
HY10W-30	30	24.4	95.0	76.5	90	1	100
HY10W-33	33	26.8	104.5	84.7	99	1	100
HY10W-36	36	29	114.0	91.4	108	1	100
HY10W-42	42	34.1	133.0	100.1	126	1	100
HY10W-48	48	39	152.0	126.0	150	1	100
HY10W-54	54	43	171.0	139.0	162	1	100
HY10W-60	60	48	208.0	160.0	180	1	100
HY10W-66	66	52.8	230.0	172.0	198	1	100

COMPOSITE LINE POST INSULATOR

Main Technical Parameters (Performance meet the GB/T19519-2004、IEC61109 AMD IEC61952)

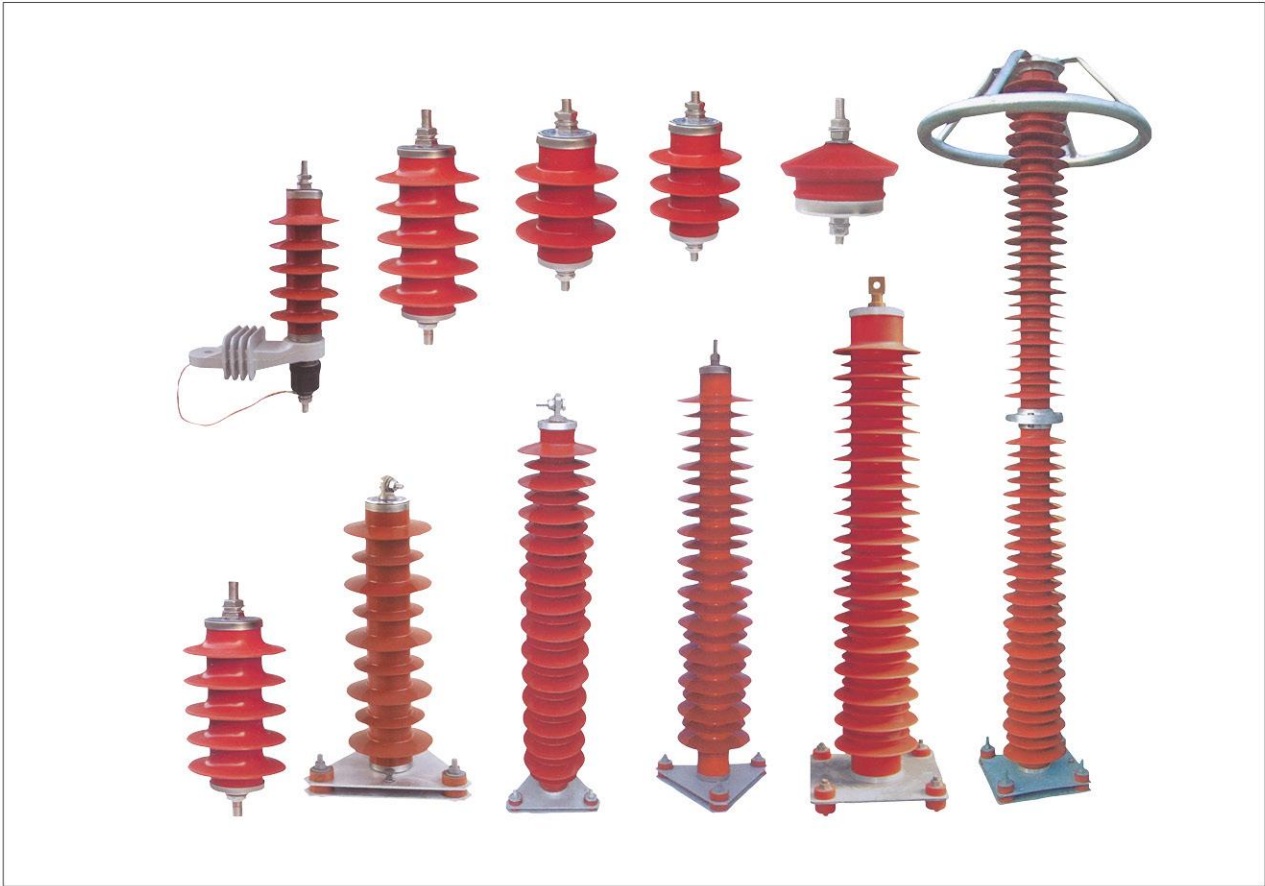
Product Model	Rated Voltage (kV)	Rated mechanical: bending load (kN)	Structure Height H.(mm)	Minimum Arc distance Li.(m)	Min.creepage distance Lc. (mm)	Diameter of shed D. (mm)	Lightning impulse: withstand voltage' (peak) (kV)	PF.1min wet withstand voltage (Virtual value) (kV)
FPQ-11/5	11	5	280	180	380	90	105	45
FPQ-11/10	11	10	300	165	420	140/114	105	45
FPQ-11/12.5	11	12.5	320	195	450	100	95	45
FPQ-15/12.5	15	12.5	280	160	665	130/100	145	65
FPQ-24/8	24	8	315	200	450	120/100	145	65
FPQ-24/11	24	11	476	165	610	135/105	145	65
FPQ-33/10	33	10	406	280	940	120/92	200	95
FPQ-33/12.5	33	12.5	425	320	1200	122/92	230	95
FPQ-36/20	36	20	545	405	1650	150/120	265	135

Main Technical Parameters (Performance meet the GB/T19519-2004 IEC61109 and IEC61952)

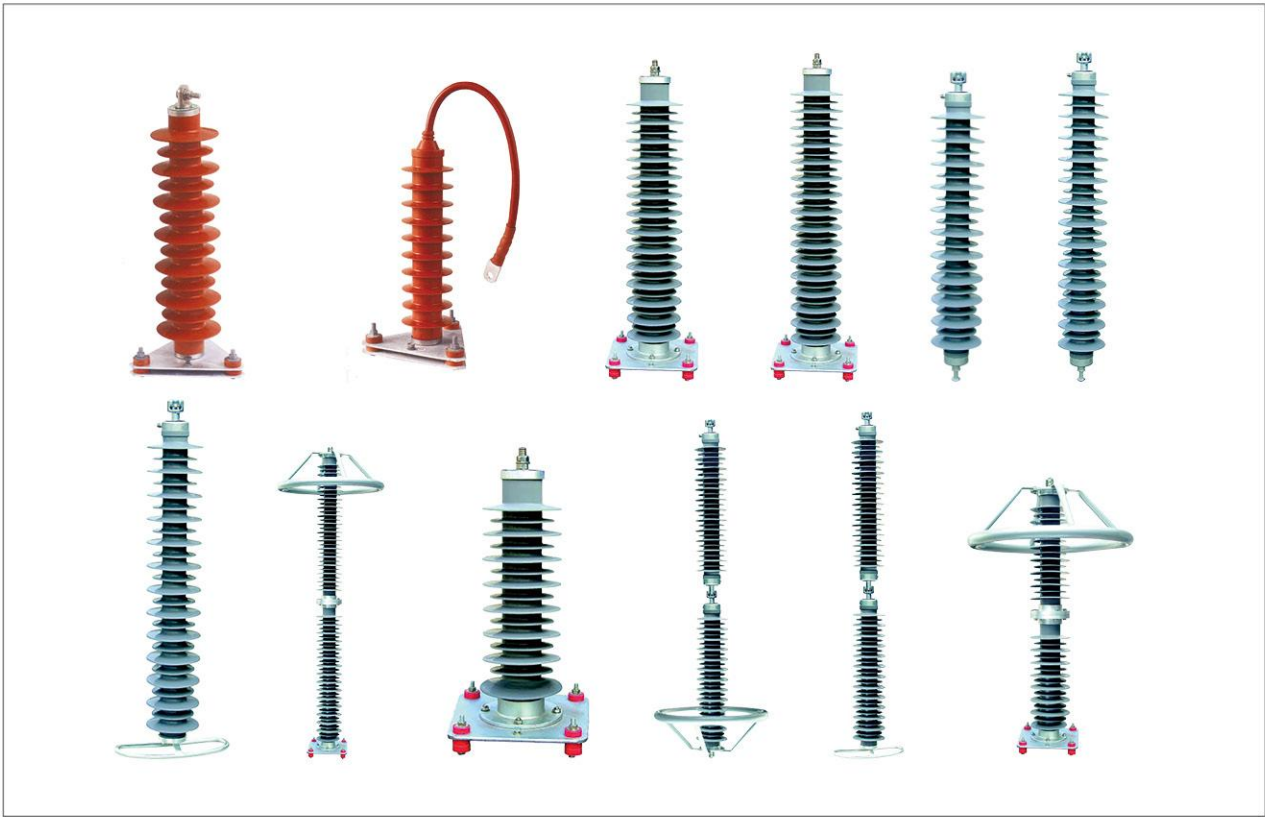


Product Model	Rated Voltage(kV)	Rated mechanical: bending load (kN)	Structure Height H.(mm)	Minimum Arc distance Li.(mm)	Min.creepage distance Lc.(mm)	Diameter of shed D.(mm)	Lightning impulse: withstand voltage' (peak) (kV)	PF.1min wet withstand voltage (Virtual value) (kV)
FZS-11/10	11	10	225	135	300	100/90	95	45
FZS-15/12.5	15	12.5	285	170	600	138/118	105	50
FZS-25/10	25	10	450	320	700	138	125	65
FZS-36/10	36	10	580	405	1650	150/120	265	135
FZS-69/10	69	10	760	630	1950	215/165	350	150

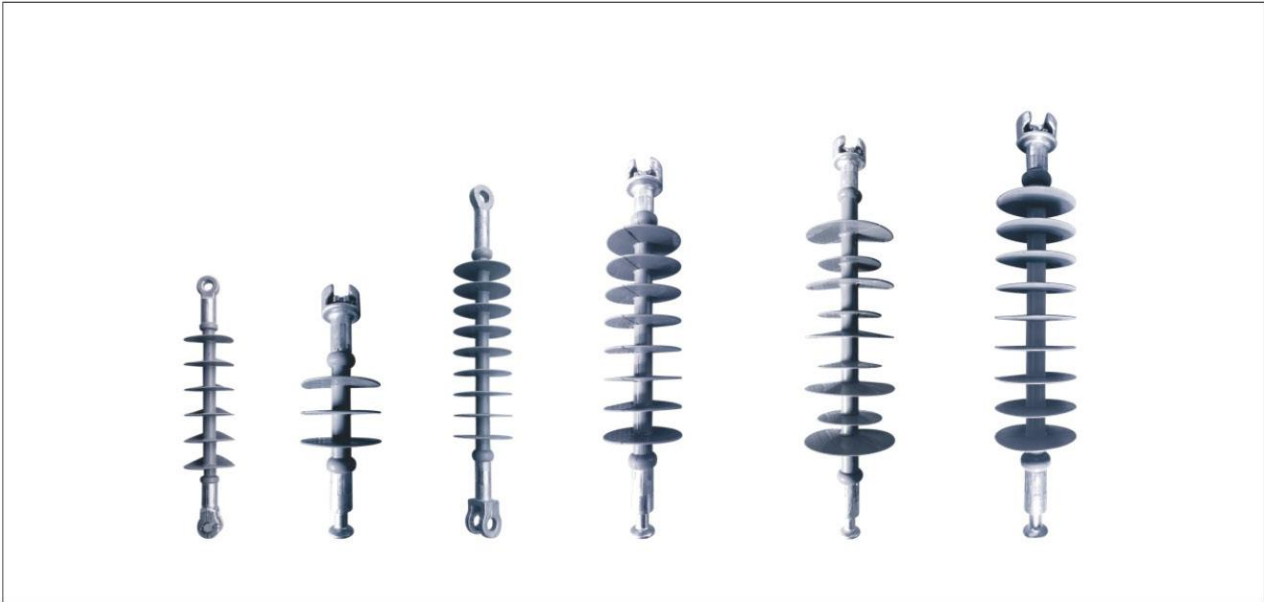
Polymeric Housed Surge arrester without Gaps



Porcelain Housed Surge arrester without Gaps



Composite Suspension /Tension Insulator



Model	Rated Voltage(kV)	Rated Mechanical: Failing Load (kN)	Length (mm)	Minimum Arc Distance (mm)	Minimum Creepage Distance (mm)	Lightning Impulse: withstand voltage,peak (kV)	P.F 1min wet withstand voltage(kV)	Coupling Size
FXB-11/70	11	70	330	160	300	95	45	16
FXB-11/80	11	80	370	200	450	95	45	16
FXB-24/70	24	70	410	240	750	125	65	16
FXB-24/100	24	100	450	240	750	125	65	16
FXB-24/120	24	120	450	240	750	125	65	16
FXB-33/70	33	70	530	360	900	200	95	16
FXB-33/80	33	80	590	425	1080	220	95	16
FXBW-33/70	33	70	655	480	1260	220	105	16
FXBW-33/100	33	100	695	480	1260	220	105	16
FXBW4-66/70	66	70	870/940	710	2248	410	185	16
FXBW4-66/100	66	100	870/940	710	2248	410	185	16
FXBW4-110/100	110	100	1240/1440	1000/1200	3150/3860	550	230	16
FXBW4-110/160	110	160	1340	1000	3380	550	230	R20
FXBW4-145/120	145	120	1480	1240	4123	725	355	16
FXBW4-220/100	220	100	2240/2350/2470	2020/2080/2210	6450/6760/7150	1000	395	16
FXBW4-330/160	330	160	2990	2600	9075	1425	570	R20
FXBW4-220/210(160)	220	210/160	2350	2000	6800	1000	230	R20
FXBW4-330/210(160)	330	210/160	2930	2650	8790	1425	570	R20
FXBW4-500/210(160)	500	210/160	4450	4075	14860	2050	740	R20

Note:
1. We can produce as per customer's requirements.
2. Corona Ring is necessary at 220kV system and above. For application at 220kV & 230kV, one corona ring should be assembled at the end of Suspension Insulator. While application at 330kV and above, two corona rings should be assembled at both end of insulator.

Composite Pin Insulator

Main Technical Parameter (IEC 61952,IEC 61109)

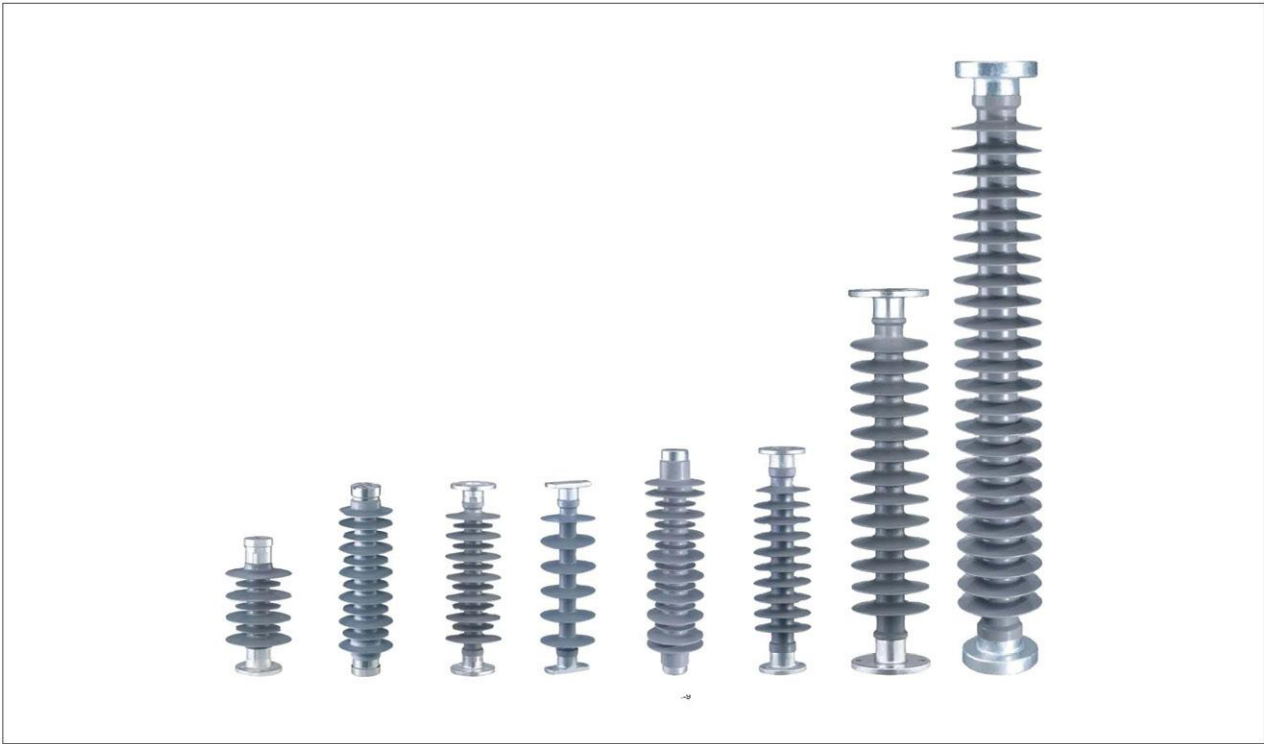


Model	Rated Voltage(kV)	Rated Mechanical Bending Load (kN)	Structure Height (mm)	Minimum Arc Distance (mm)	Minimum Creepage Distance (mm)	Lightning Impulse withstand voltage,peak (kV)	P.F 1min wet withstand voltage(kV)
FPQ-11/10	11	10	300	180	450	105	45
FPQ-11/12.5	11	12.5	320	195	450	95	45
FPQ-15/12.5	15	12.5	280	160	665	145	65
FPQ-24/10	24	10	390	225	744	145	65
FPQ-24/12.5	24	12.5	390	225	744	145	65
FPQW-33/10	33	10	430	325	1080	200	70
FPQW-33/10	33	10	495	380	900	200	116
FPQW-33/10	33	10	510	340	1200	170	70
FPQW-33/12.5	33	12.5	470	345	1200	230	95
FPQW-33/20	33	20	545	405	1650	265	135

Note: We can produce as per customer's requirements.

Composite Post Insulator

Main Technical Parameter (IEC 61952,IEC 61109)



Model	Rated Voltage(kV)	Rated Mechanical Bending Load (kN)	Structure Height(mm)	Minimum Arc Distance (mm)	Minimum Creepage Distance (mm)	Lightning Impulse withstand voltage,peak (kV)	P.F 1min wet withstand voltage(kV)
FZSW-11/10	11	10	255	175	600	145	45
FZSW-24/10	24	10	300	210	630	145	65
FZSW-33/10	33	10	450	270	900	200	95
FZSW-33/10	33	10	400	285	1060	200	95
FZSW-66/10	66	10	760	630	1940	350	185
FZSW-110/10	110	10	1200	1060	3260	450	200
FZSW-220/10	220	10	2550	2050	6520	950	395

Note: We can produce as per customer's requirements.

Composite Line Post Insulator

Main Technical Parameter (IEC 61952,IEC 61109)



Model	Rated Voltage(kV)	Rated Mechanical Bending Load (kN)	Structure Height(mm)	Minimum Arc Distance (mm)	Minimum Creepage Distance (mm)	Lightning Impulse withstand voltage,peak (kV)	P.F 1min wet withstand voltage(kV)
FZSW-11/10	11	10	405	165	430	95	45
FZSW-24/10	24	10	450	320	700	125	65
FZSW-33/10	33	10	570	320	1080	220	145
FZSW-33/20	33	20	590	358	1200	200	95
FZSW-66/10	66	10	760	630	1940	350	185
FZSW-66/12.5	66	12.5	1050	790	2248	350	185

Note: We can produce as per customer's requirements.

Porcelain Suspension / Tension Insulator

52 Series Ball Socket & Clevis Tongue Type

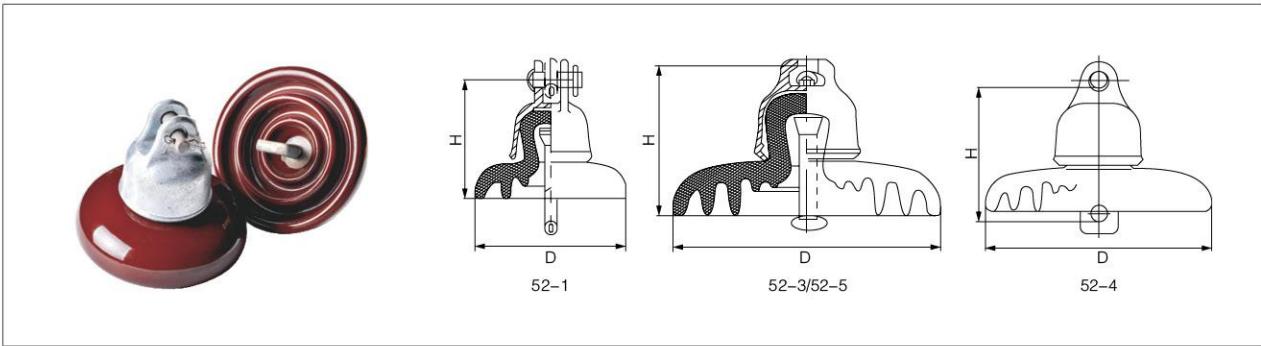
STANDARD

VOLTAGE

ANSI C29.1,ANSI C29.2A,

6KV-33KV

ANSI C29.2B



ANSI CLASS		52-1	52-2	52-3	52-4	52-5
Porcelain Shell Diameter, D (mm)		165	190	254	254	254
Unit Spacing, H (mm)		140	146	146	146	146
Leakage Distance (mm)		178	210	292	292	292
Mechanical Failing Load (kN)		44	70	70	70	111
Power Frequency Flashover Voltage	Dry, kV	60	65	80	80	80
	Wet, kV	30	35	50	50	50
Critical Impulse Flashover Voltage	Pos., kV	100	115	125	125	125
	Neg., kV	100	115	130	130	130
Power Frequency Puncture Voltage. kV		80	90	110	110	110
Radio influence voltage data	Test Voltage to Ground, kV	7.5	7.5	10	10	10
	Max RIV at 1000 KHz, uV	50	50	50	50	50
Net Weight (kgs)		2.5	3.8	4.6	4.9	5.6

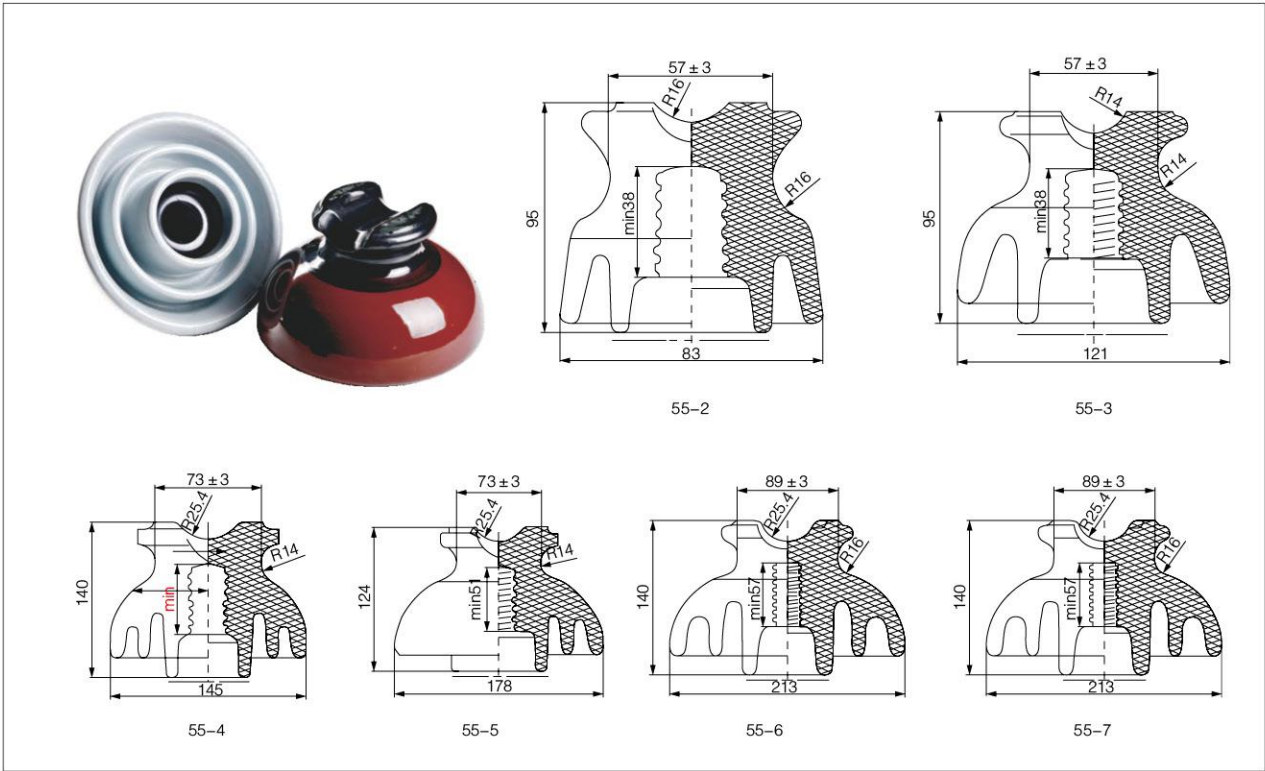
Pin Type Insulator 55 Series LV & MV Type

STANDARD

VOLTAGE

ANSI C29.1, ANSI C29.2A, ANSI C29.2B

4KV-12KV



ANSI CLASS		55-2	55-3	55-4	55-5	55-6	55-7
Neck Type		C	C	F	F	J	J
Leakage Distance (mm)		127	178	229	305	381	381
Dry Arcing Distance (mm)		86	114	127	159	203	203
Minimum Pin Length (mm)		102	127	127	152	190	190
Cantilever Strength (kN)		11	11	13	13	13	13
Power Frequency Flashover Voltage	Dry,kV	45	55	65	80	100	100
	Wet,kV	25	30	35	45	50	50
Critical Impulse Flashover Voltage	Pos.,kV	70	90	105	130	150	150
	Neg.,kV	85	110	130	150	170	170
Power Frequency Puncture Voltage, kV		70	90	95	115	135	135
Radio influence Voltage Data	Test Voltage to Ground,kV	5	10	10	15	22	22
	Max RIV at 1000 KHz,uV	50	50	50	100	100	100
Net Weight (kgs)		0.75	1.1	1.7	2.9	4.4	4.4

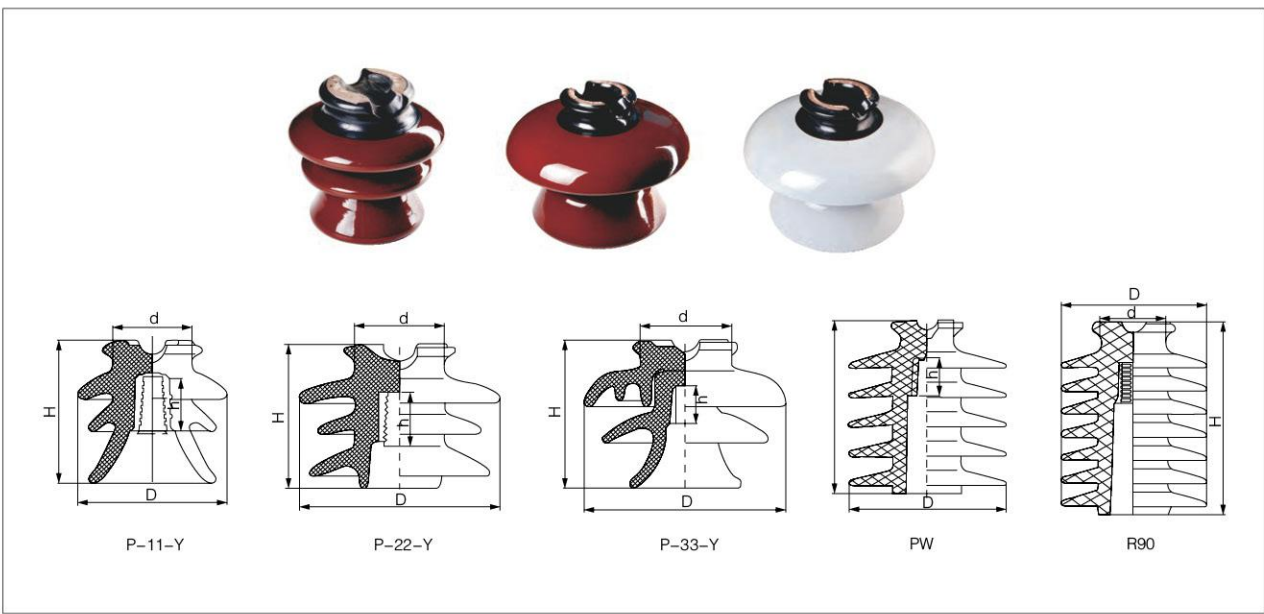
Pin Type Insulator BS 11KV 22KV 33KV Pin Type

STANDARD

VOLTAGE

BS 137,IEC 60383

11KV-36KV



BS CLASS			P-11-Y	P-15-Y	P-22-Y	P-33-Y	PW-15-Y	PW-22-Y	PW-33-Y	R90
Creepage Distance, mm			254	298	432	630	432	673	900	900
Dimensions, mm		H-Height	130	137	165	244	185	255	249	269
		D-Diameter	140	152	229	280	170	205	225	205
		h-Depth of Thread	48	48	52.6	52.6	52.6	52.6	52.6	70
		d-Pin Diameter	18.3	18.3	27.8	27.8	27.8	27.8	27.8	90
Cantilever Strength, kN			11	11	11	13	11	11	12	10
Withstand Voltage	One minute Power Frequency	Dry, kV	65	70	90	110	90	110	125	110
		Wet, kV	40	50	55	75	60	90	90	95
Impulse Withstand Voltage, kV			90	110	150	170	140	180	200	185
Radio influence Voltage Data	Test Voltage to Ground. kV	Dry, kV	15	15	22	30	22	30	33	44
	Max RIV at 1000 KHz, uV	Wet, kV	8000	8000	12000	16000	12000	16000	20000	25000
Power Frequency Puncture Voltage, kv			150	150	145	210	150	199	210	210

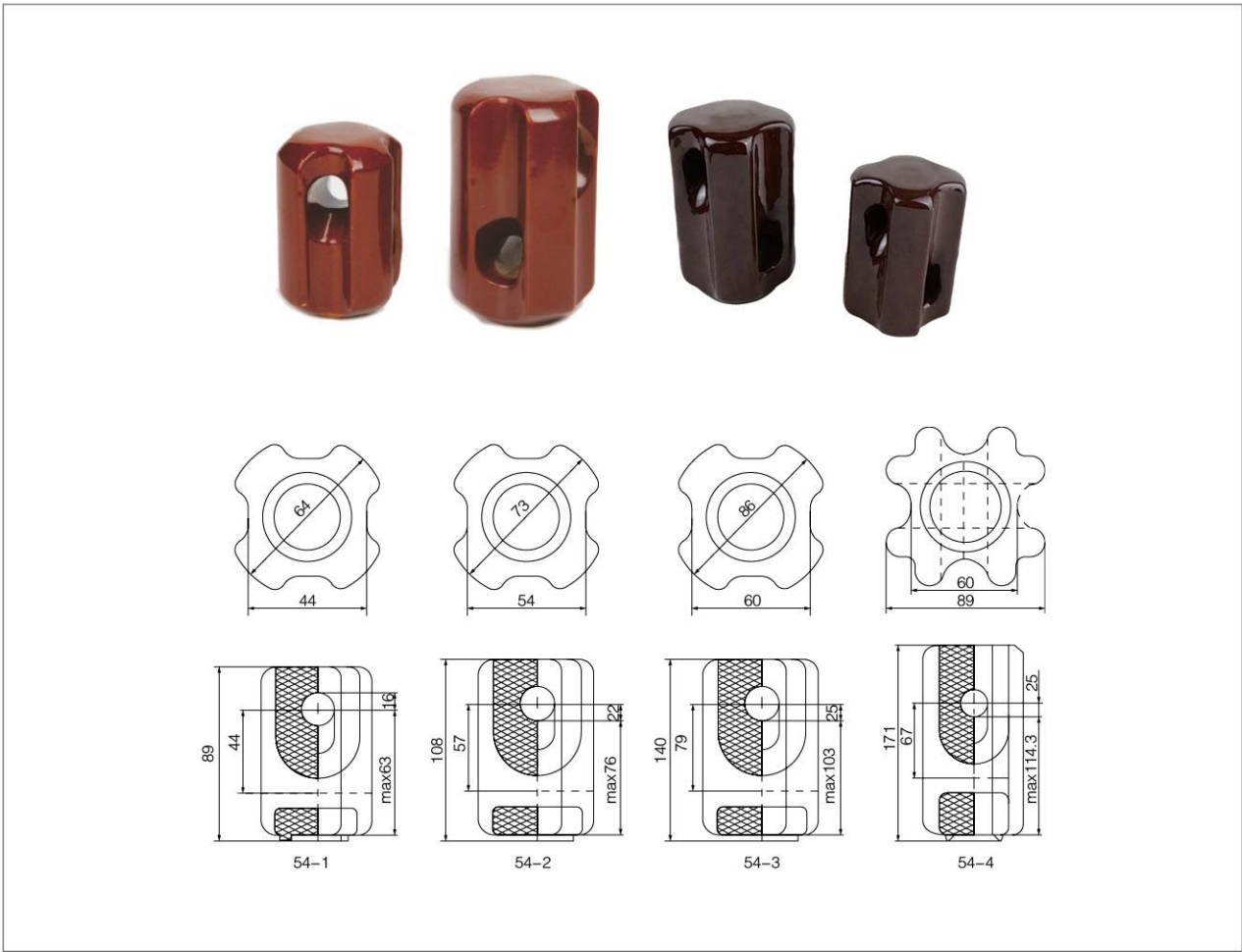
Stay Insulator

STANDARD

VOLTAGE

ANSI C29.4

0.4KV-33KV



ANSI CLASS		54-1	54-2	54-3	54-4
Dimensions mm	Height	89	108	140	171
	Hole Centers Spacing	44	57	79	67
	Inner Diameter	44	54	60	60
	Outer Diameter	64	73	86	89
	Hole Diameter	16	22	25	25
	Height to Hole	Max 63	Max 76	Max 103	Max 114.3
Mechanical Failing Load, kN		44	53	89	89
Power Frequency Flashover Voltage	Dry,kV	25	30	35	40
	Wet,kV	12	15	18	23
Net Weight, kgs		0.5	0.65	1.2	2.2

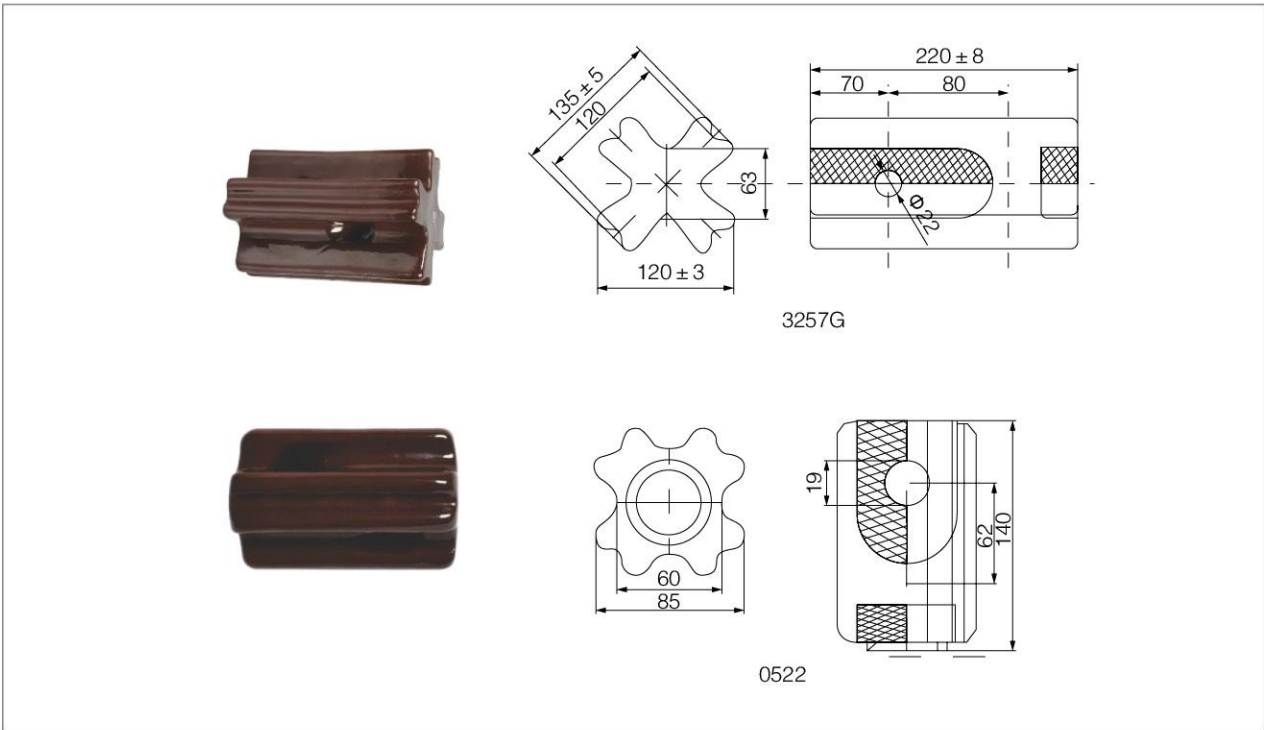
GY & BS Series

STANDARD

VOLTAGE

BS 137

0.4KV-33KV



Guy Strain Insulators for Lines		BS 137		
Type		1075	0522	3257G
Dimensions mm	Height	78	140	220
	Hole Center Distance	50	62	80
	Inner Diameter	37	60	120
	Outer Diameter	57	85	135
	Hole Diameter	19	19	22
	Mechanical Failing Load, kN	45	110	110
Power Frequency	Dry, kV	30	35	52
Flashover Voltage	Wet, kV	15	20	48
Net Weight, kgs		1	1.4	4.8

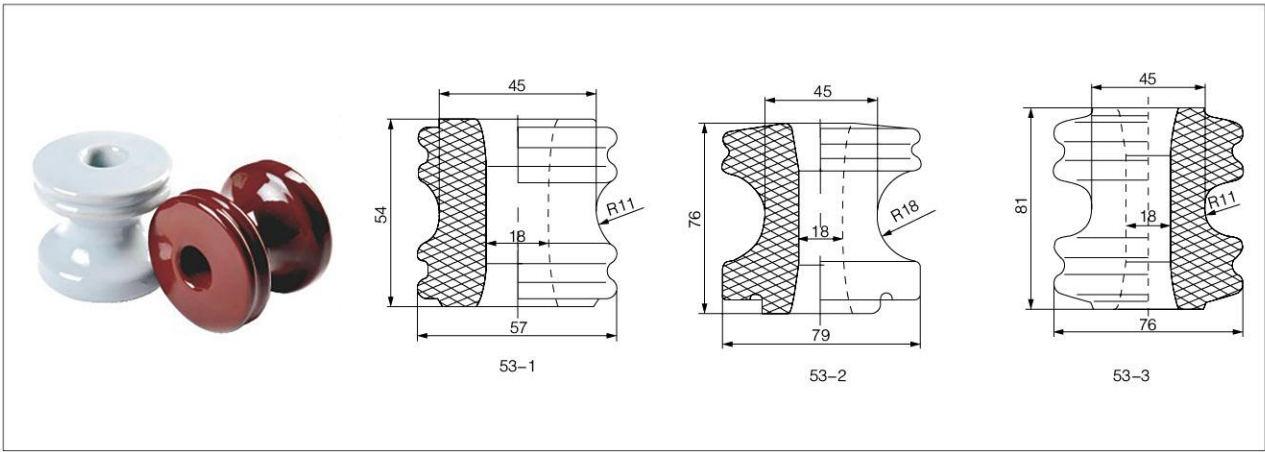
53 Series

STANDARD

VOLTAGE

ANSI C29.1, ANSI C29.3

0.4KV



SPOOL INSULATORS		ANSI				
Type		53-1	53-2	53-3	53-4	53-5
Mechanical Failing Load, kN		8.9	13.3	17.8	20	26.7
Power frequency Dry Flashover, kV		20	25	25	25	35
Power Frequency Wet Flashover kV	Vertical	8	12	12	12	18
	Horizontal	10	15	15	15	25
Dimensions mm	Height	54	76	81	76	105
	Diameter	57	79	76	105	102
	Neck Diameter	45	45	45	73	73
	Hole Diameter	18	18	18	18	18
	Grooves Radius	11	18	11	16	11
	Net Weight, kgs	0.2	0.55	0.6	1.1	1.16

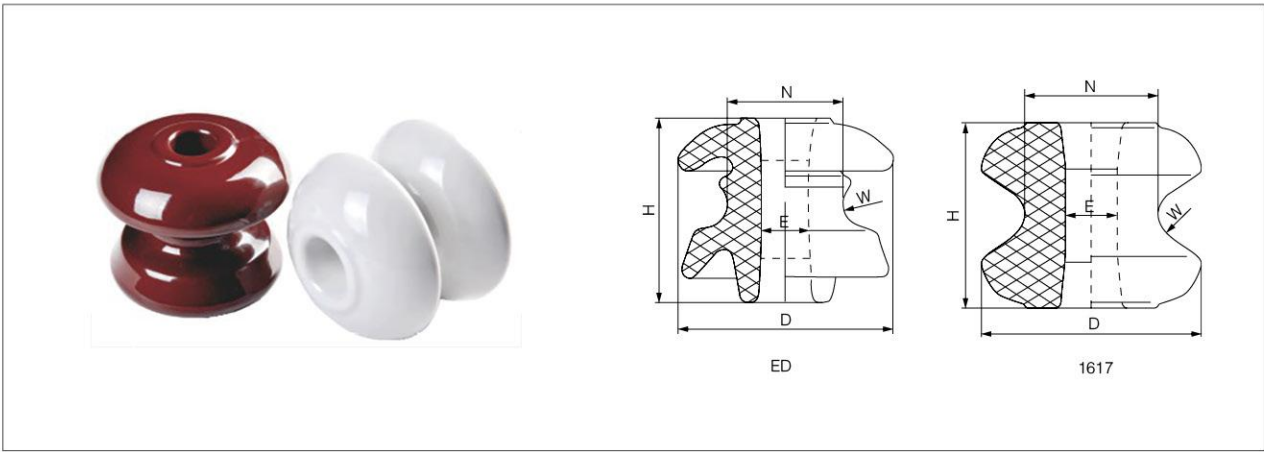
ED Series

STANDARD

VOLTAGE

IEC 60383

0.4KV



BS CLASS Type		ED-2	ED-2B	ED-3	1617
Mechanical Failing Load, kN		10	12.5	8	15
Power Frequency Wet Flashover kV	Dry	18	23	16	20
	Wet	9	12	7	9
Dimensions mm	Height	75	76	65	65
	Diameter	80	86	70	76
	Neck Diameter	42	48	36	46
	Hole Diameter	20	21	16	17.5
	Grooves Radius	10	10	8	9
Net Weight, kgs		0.4	0.48	0.25	0.4

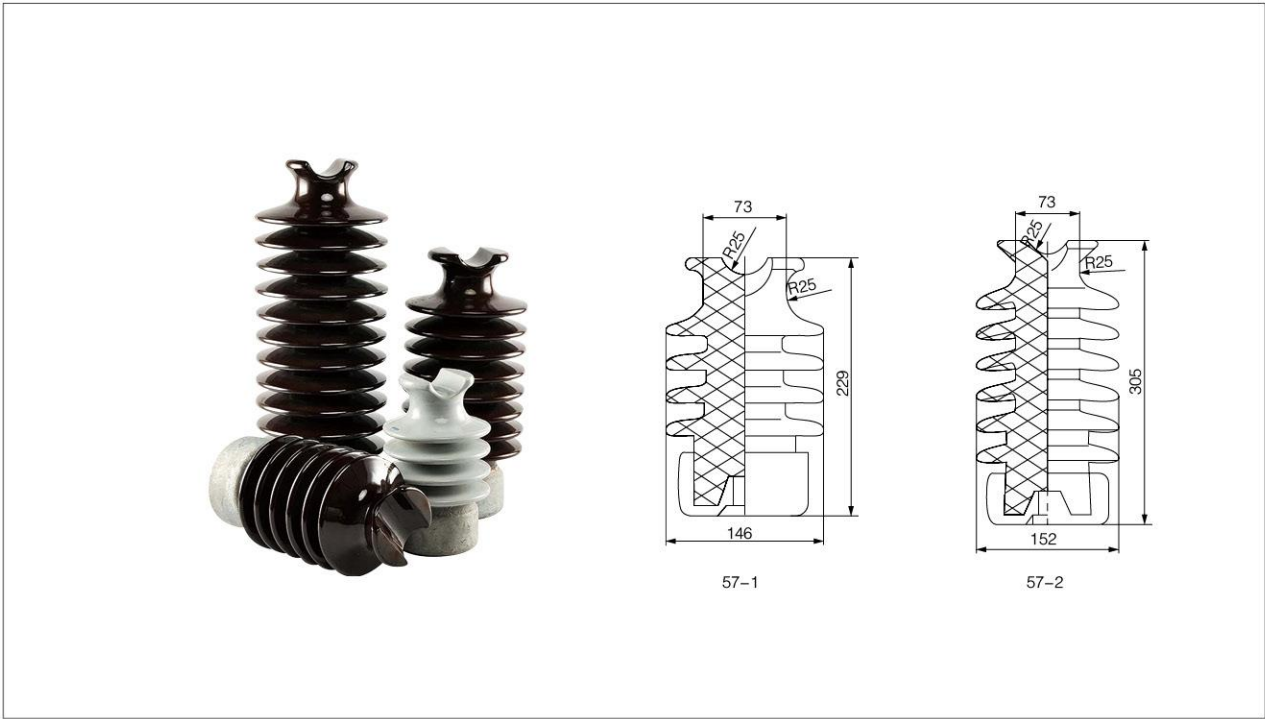
Line Post Insulator 57 Series Tie Top Type

STANDARD

VOLTAGE

ANSI C29.7

11KV-66KV



ANSI CLASS	57-1	57-2	57-3	57-4
Creepage Distance, mm	356	559	737	1015
Dry Arcing Distance, mm	165	241	311	368
Cantilever Strength, kN	12.5	12.5	12.5	12.5
Power Frequency Flashover - Dry, kV	70	100	125	140
Power Frequency Flashover - Wet, kV	50	70	95	110
Critical Impulse Flashover Voltage - Pos, kV	120	160	200	230
Test Voltage to Ground, kV	15	22	30	44
Maximum RIV at 1000KHZ, μ v	100	100	200	200
Net Weight, kgs	4.8	7.8	11.0	18.0

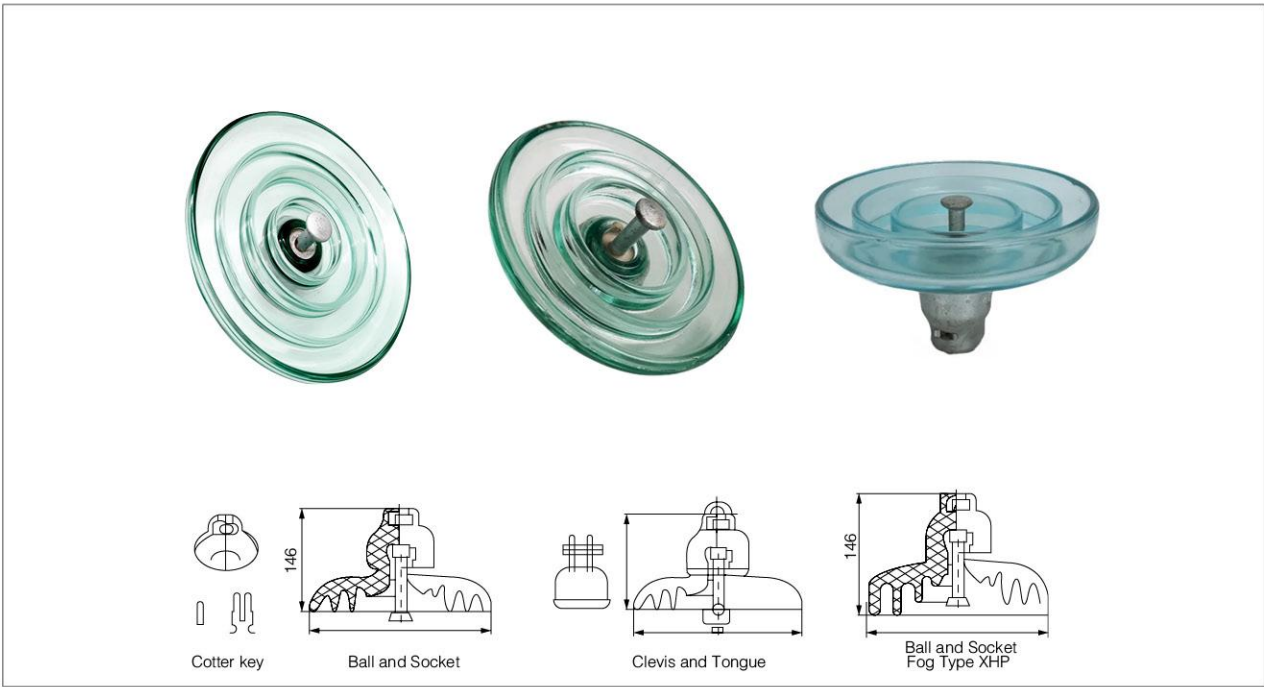
Glass Disc Suspension Insulator

STANDARD

VOLTAGE

IEC 60383-1, IEC 60383-2

6KV-33KV



IEC CLASS		Normal Type			Anti-pollution Type		
		U70BL	U100BL	U120B	U70BLP	U100BLP	U120BP
Type		XP-70	XP-100	XP-120	XHP-70	XHP-100	XHP-120
Nominal Diameter (mm)		255	255	255	255	255	255/280
Spacing, H (mm)		146	146	146	146	146	146
Coupling Size		16	16	16	16	16	16B
Nominal Creepage Distance, mm		295/320	295/320	295/320	432/450	432/450	432/450
Mechanical Failing Load, kN		70	100	120	70	100	120
Power Frequency Withstand Voltage	Dry, kV	70	70	70	80	80	80
	Wet, kV	40	40	40	42	42	42
Dry Lightning Impulse Withstand Voltage, kV		100	100	100	120	120	120
Power Frequency Puncture Voltage, kV		130	130	130	130	130	130
Net Weight (kgs)		4.6	5.7	6	6.1/6.3	7.7/7.9	8/8.2

SBS Rack Mode Lithium Energy Storage Battery

Products Specification



Model	SBS-48V50AH	SBS-48V100AH	SBS-48V200AH
Capacity	2.4KWH	4.8KWH	9.6KWH
Normal Discharging Current	25A	50A	100A
Max Discharging Current	50A	100A	200A
Voltage	40.5-54VDC		
Standard Voltage	48VDC		
Max Charging Current	50A	100A	200A
Max Charging Voltage	54V		
Suggested DOD Model	90%		
Size(mm)	484*410*88.5	484*410*178	484*590*178
Weight	24.5kg	39.5kg	55kg
Humidity	10-85%		
Installation	Rack mounted or cabinet		
IP Rating	IP20		
Max Number Of Parraller	16		
Warranty	5 Years		
Communication	CAN/RS485/RS232(4G WiFi/bluetooth/4G optional)		
Monitor	WIFI		
Battery Protection	Over Current/Over Voltage/Short Circuit/Low Voltage/High Temperature		

SPW Power Wall Lithium Energy Storage Battery

Products Specification



Model	SPW-100AH 48V	SPW-200AH 48V
Capacity	4.8KWH	9.6KWH
Normal Discharging Current	50A	100A
Max Discharging Current	100A	200A
Voltage	40.5-54VDC	
Standard Voltage	48VDC	
Max Charging Current	100A	
Max Charging Voltage	54V	
Suggested DOD Model	90%	
Humidity	10-85%	
Installation	Wall mounted installation	
Cycle	3000 ~ 6000times	
IP Rating	IP20	
Max Number Of Parrallel	16	
Warranty	5 Years	
Communication	CAN/RS485/RS232(4G WiFi/bluetooth/4G optional)	
Size(mm)	590*410*210mm	535*670*210mm
Weight	51.5Kg	84Kg

SBM 5.12KWh Stacked Lithium Energy Storage Battery

Battery Products Specification



Model	SBM-5.12KWH	SBM-10.24KWH	SBM-15.36KWH	SBM-20.48KWH	SBM-25.6KWH
Single module capacity	5.12KWH				
Module number	1 PCS	2 PCS	3 PCS	4 PCS	5 PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Standard voltage	51.2V				
Working voltage	43.2V-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charge current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	10-85%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232(uetooth/4G optional)				
Product size/unit	620*550*480mm	620*550*760mm	620*550*1040mm	620*550*1320mm	620*550*1600mm
N.W./unit	50kg	80kg	120kg	150kg	190kg

SBW Lithium Energy Storage Battery

The SBW lithium energy storage battery use long working life Li FePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

Products Specification



Model	SBW-10012	SBW-20012	SBW-10024	SBW-20024	SBW-10048	SBW-20048
Capacity	12V100AH	12V200AH	24V100AH	24V200AH	48V100AH	48V200AH
Continuous Discharge Current	50A	100A	50A	100A	50A	100A
Peak Protection Current	100A	200A	100A	200A	100A	200A
Working Voltage	10-14.6V	10-14.6V	20-29.2V	10-14.6V	37.5-54.75V	37.5-54.75V
Standard Voltage	12.8V	12.8V	25.6V	12.8V	48V	48V
Continuous Work Current	50A	100A	50A	100A	50A	50A
Max Charging Voltage	14.6V	14.6V	29.2V	14.6V	54.75V	54.75V
Suggested DOD Model	80%	80%	80%	80%	80%	80%
Size(mm)	345*310*275	475*350*275	475*350*275	525*490*275	525*490*275	560*520*320
Weight	12.5kg	22kg	22kg	40kg	40kg	75kg
Humidity	10-85%					
Cooling Type	Natural Cooling					
Warranty	5 years					

Optional Parts

The SGPE inverter offers superior quality true sine wave power, it is designed to operate various of power tools and inductive loads, The AC output waveform is even better than the power supplied by your utility.

- Intelligent digital display
- Input & output fully isolated.
- Very stable AC output, low voltage drop
- Customized input voltage: 36V/60V/72V/96V/110VDC

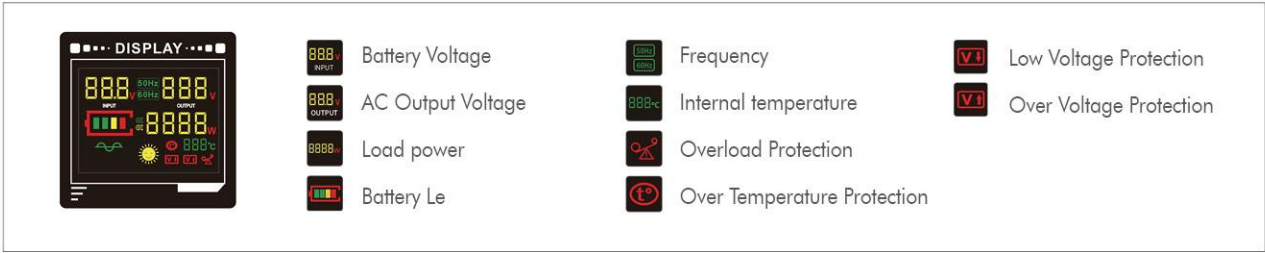


Products Specification

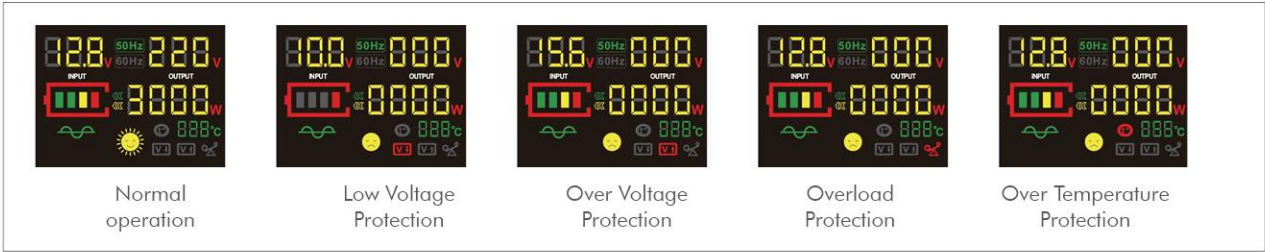
Model	SGPE300	SGPE500	SGPE1000	SGPE1500	SGPE2000	SGPE3000	SGPE4000	SGPE5000	SGPE6000	SGPE8000
Rated Power	300W	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W
Surge Power	600W	1000W	2000W	3000W	4000W	6000W	8000W	10000W	12000W	16000W
Input Voltage	12/24/48VDC							24/48VDC		
Output Voltage	110/220VAC±5%									
USB Port	5V2A									
Frequency	50Hz±3 or 60Hz±3									
Output Waveform	Pure Sine Wave									
Soft Start	YES									
THD/AC Regulation	THD<3%(Linear Load)									
Output Efficiency	94% MAX									
Cooling Way	Intelligent Cooling Fan									
Protection	Battery Low Voltage & Over Voltage, Over Load, OverTemperature, Short Circuit									
Working Temperature	-10℃ -+50℃									
Dimension (L*W*H) (cm)	20*11.2*6	21.5*15*7.8	27.8*17*10.5	38.1*17*10.5	38.1*17*10.5	48*19.9*8.4	44*20*15	51*20*15	61*20*15	61*20*15
Meas./Ctn (L*W*H) (cm)	54.5*49*32.5/18PCS	76*45*28/10pcs	53.5*47*40.7/6pcs	47.5*47*36.5/4PCS	47.5*47*36.5/4PCS	62.5*53*29.5/4pcs	63.5*30.8*24/1pcs	63.5*30.8*24/1pcs	73.5*30.8*24/1pcs	73.5*30.8*24/1pcs
N.W./Unit (kg)	0.82kg	1.7kg	2.74kg	4kg	4kg	6.1kg	9kg	10.12kg	11.62kg	13.14kg
G.W./Ctn	20kg	22.5kg	20.5kg	21.6kg	21.6kg	30.44kg	10.84kg	11.72kg	13.44kg	14.96kg
Packing	Carton						Honeycomb carton			
Warranty	2 Years									



E Model Display



Working Mode



SEPR Low Frequency Power Solar Inverter

Products Specification



Model		SEPR-1000W	SEPR-2000W	SEPR-3000W	SEPR-4000W	SEPR-5000W	SEPR-6000W
Rated capacity		1000W	2000W	3000W	4000W	5000W	6000W
Mains voltage		12V/24V/48V			24V/48V	48V	
AC Input	Battery voltage	10A-20A(mains mode) adjustable					
	Charging current	Single battery default 13.8V, maximum adjustable 14V					
	Charging voltage	220VAC(±20%)					
	Mains frequency	Automatic identification					
AC Output	Output voltage	Mains mode and mains synchronization; battery inverter mode: 220VAC±10%					
	Output frequency	Inverter mode: 50Hz/60Hz					
	Output waveform	Pure sine wave					
	Inverter efficiency	>85%					
	Conversion time	≤ 10ms					
Protect	Battery protection	1 battery voltage<10v,shutdown,<10.8v, turn to AC, >13.8v, turn to inverter					
	Overload power	full load alrams,overload 1.1-1.2/30s,>1.5/3s,automatically shutdown					
	Protection function	Overcharge / over discharge protection, overload protection,short circuit protection, overtemperature protection					
	Display mode	LED+LCD (High definition segment code display)					
Work environment		0℃~ 40℃					
Cooling mode		Intelligent air cooling					
Working mode		Mains priority mode / battery priority mode/dual mode					
Battery type		Maintenance free lead-acid battery / lithium battery					
Machine size		470*350*180mm	550*400*180mm				
Package size		546*386*241mm	647*457*252mm				
Net weight of machine		15kg	17.5kg	19.5kg	24.9kg	29kg	31kg
Gross weight of packaging		18kg	20.kg	22.7kg	28.5kg	32.5kg	34kg
Packing type		Honeycomb carton					

SGN Low Frequency Power Solar Inverter

Products Specification



Model	SGN-350	SGN-500	SGN-700/24	SGN-700/12	SGN-1000/24	SGN-1500/48	SGN-2000/48	SGN-2000/24	SGN-3000/48	SGN-4000/96
Rated Power	350W	500W	700W	700W	1000W	1500W	2000W	2000W	3000W	4000W
Input Voltage	12V/24V		24V	12V	12V/24V	24V/48V	48V	24V	24V/48V	48V/96V
Solar Charge Controller	10A ~ 30A(PWM)			10A~60A(PWM or MPPT)						
Packing Size (L*W*Hmm)	385*270*185			460*200*270		460*240*380		490*300*400		530*310*550
Gross Weight (kg)	7.5	9	11	12	14	19	22	24	30	48
Model	SGN-5000/96	SGN-6000/96	SGN-7000/192	SGN-10K/192	SGN-12K/192	SGN-15K/240	SGN-20K/240	SGN-25K	SGN-30K	SGN-40K
Rated Power	5000W	6000W	7000W	10KW	12KW	15KW	20KW	25 KW	30 KW	40KW
Input Voltage	48V/96V		96V/192V	96V/192V	96V/192V	192V/240V	192V/240V	240V	240V	384V
Solar Charge Controller	10A ~ 60A (PWM/MPPT)		50A/100A(PWM)						50A/100A/150A/200A(PWM)	
Packing Size (L*W*Hmm)	530*310*550		550*365*785		665*365*830				790*505*1260	
Gross Weight (kg)	58	59	72	77	115	121	130	136	150	180
Input AC Voltage	73VAC ~ 138VAC / 145VAC ~ 275VAC (350W ~ 7000W) ; 98VAC~125VAC / 195VAC ~ 250VAC(8KW ~ 40KW)									
Ouput AC Voltage	110VAC±2% / 220VAC±2% (Battery Mode)									
Output Wave Form	Pure Sine Wave									
Transfer Time	≤ 4ms									
Efficiency	≥ 85%									
Working Mode	Battery First/AC First/Saving Energy Mode									
AC Charging Current	A Max 15A									
Solar Controller Build In(optional)	Charging Mode	PWM / MPPT								
	Charging Current	12V/24V/48Vsystem: 10A,20A,30A,40A,50A,60A; 96V/192V/240V/384V system: 50A,100A,150A,200A								
	PV Input Voltage Range	12V system : 15V-44V;24V system:30V-44V;48V system:60V-88V; 96V system: 120V-176V; 192V system:240V-352V; 240V system: 300V-440V; 384V system: 480V-704V								
Communication		RS232 (optional)								
Protection		Over-load / Over-discharge / Short circuit / High temperayure / Over-voltage / Low-voltage								

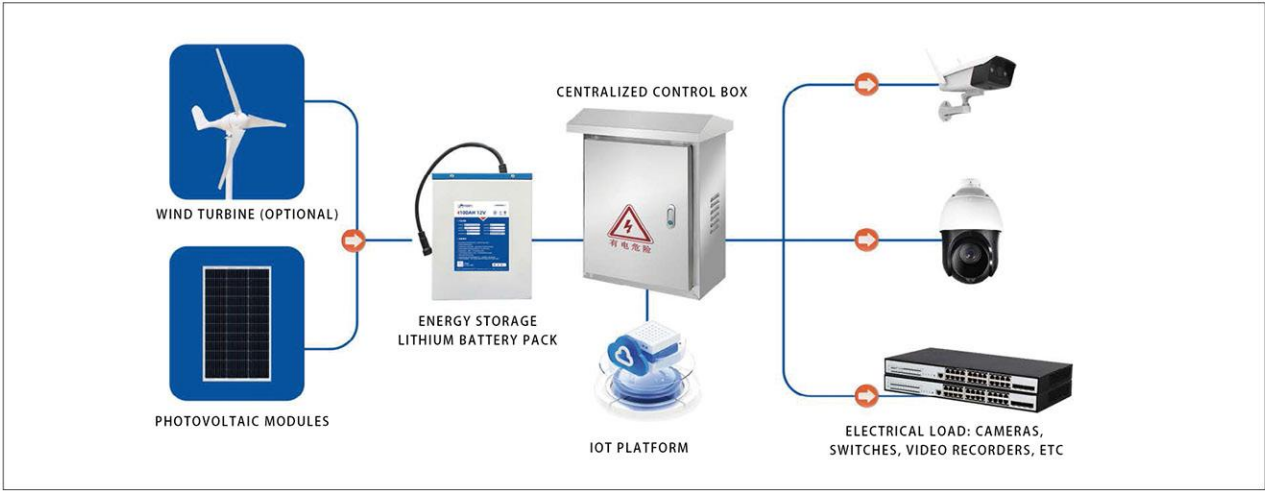
SGT Three Phase Power Inverter

Products Specification

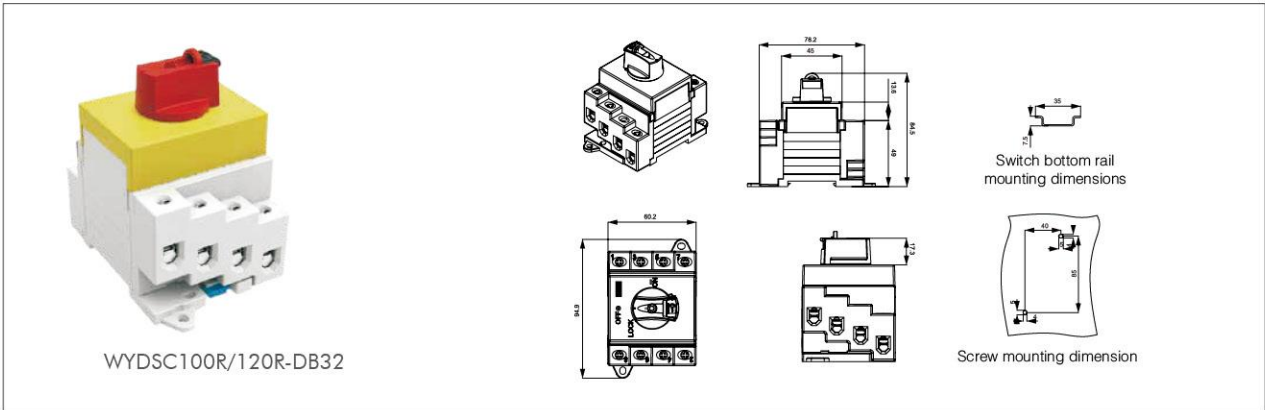


Rated Power		3.2 KW	4.8KW	5.6KW	6.4KW	8KW	12KW	16KW	20KW	24KW
Battery Voltage		48/96/192VDC				96/192/384VDC				192/384VDC
solar controller(Optional)		PWM: 10A-60A(48V); 50A/100A(96V); 50A(192V) MPPT: 10A-100A(48V); 50A/100A(96V)				PWM: 10A-60A(48V); 50A/100A(96V); 50A(192V) MPPT: 10A-100A(48V);50A/100A(96V)				
Packing Size(L*W*Hmm)		625*360*895				785*425*1135				
G.W.(kg)		78	86	88	93	146	158	184	200	213
Rated Power		32KW	40 KW	48KW	64KW	80KW	100KW	120 KW	160KW	
Battery Voltage		192/384VDC			384VDC					
solar controller(Optional)		PWM: 100A-200A(192V/384 system) / MPPT: 50A/100A(192V/384 system)				PWM: 100A-200A / MPPT: 50A/100A				
Packing Size(L*W*Hmm)		785*640*1400				980*825*1560			1185*960*1750	
G.W.(kg)		320	340	370	388	552	592	652	755	
Input	DC Input Voltage	10.5VDC-15VDC (Single battery voltage)								
	AC Input Voltage Range	380Vac/400Vac±10%(190Vac/200Vac)								
	Efficiency	≥ 85%								
Output	Output Voltage	380Vac/400Vac±10%(190Vac/200Vac)								
	Output Frequency	50/60Hz±1%								
	Output Wave	Pure Sine Wave								
Protection		Low-Voltage, Over-Voltage, Over-load, Over-Temperature Protection								
Working Mode		Battery First/AC First/Saving Energy Mode								
Transfer Time		≤ 4ms								
Communication(Optional)		RS232/RS485/APP (WIFI/GPRS)								
Warranty		1 year								

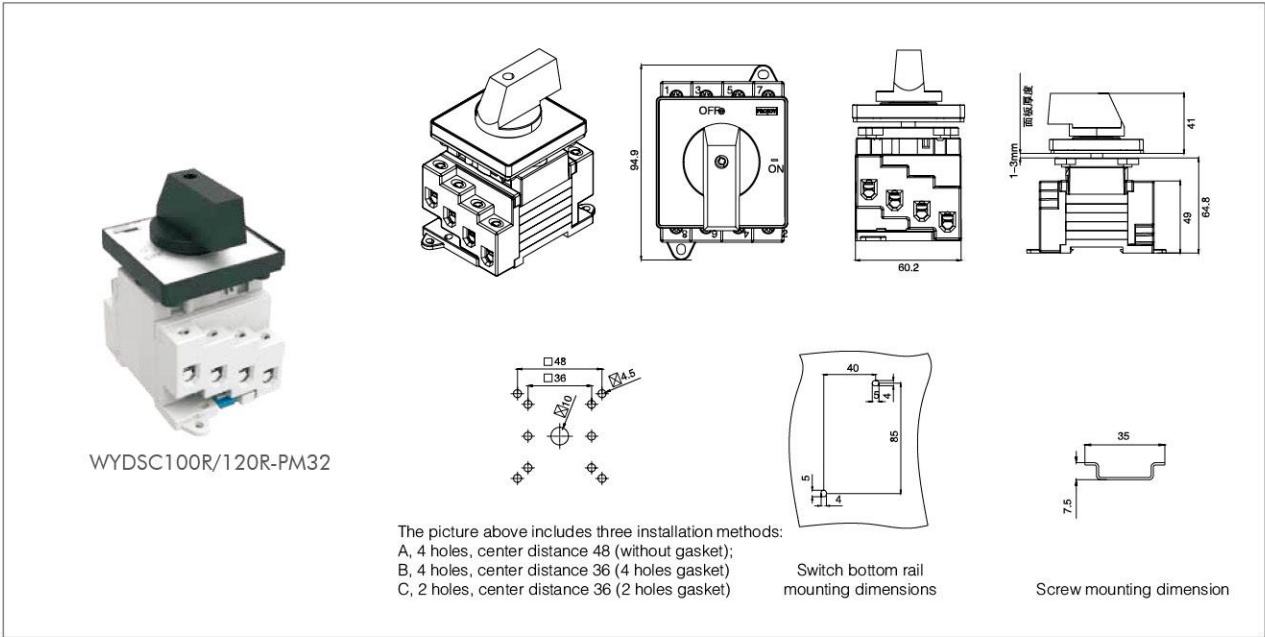
DC Isolation Switch



POWER DISTRIBUTION MODULE TYPE

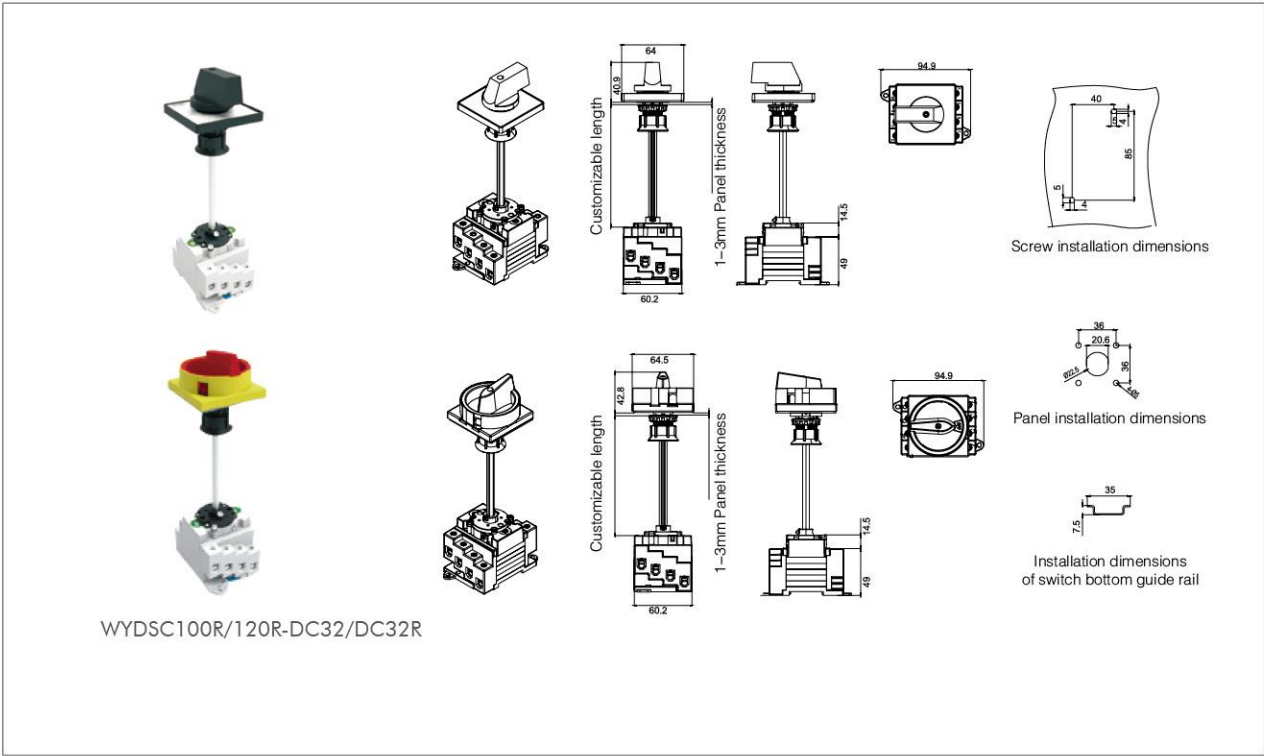


PANEL INSTALLATION

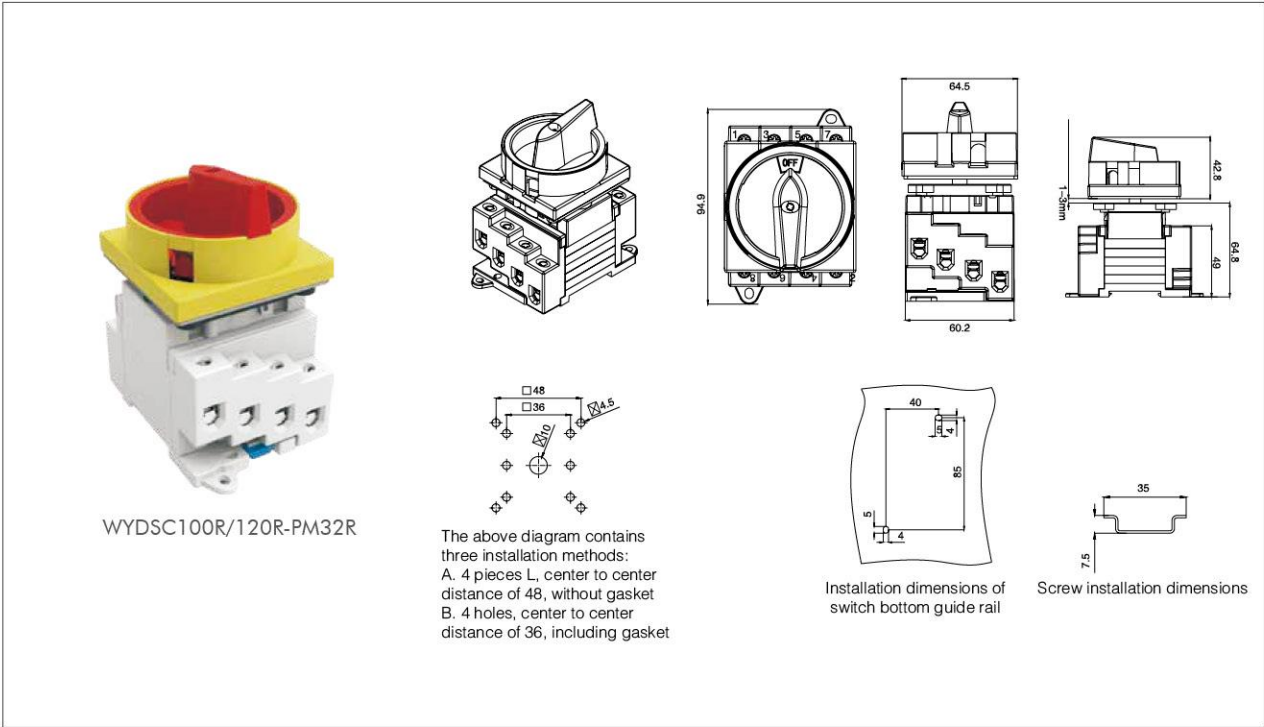


DC Isolation Switch

DOOR LOCK INSTALLATION

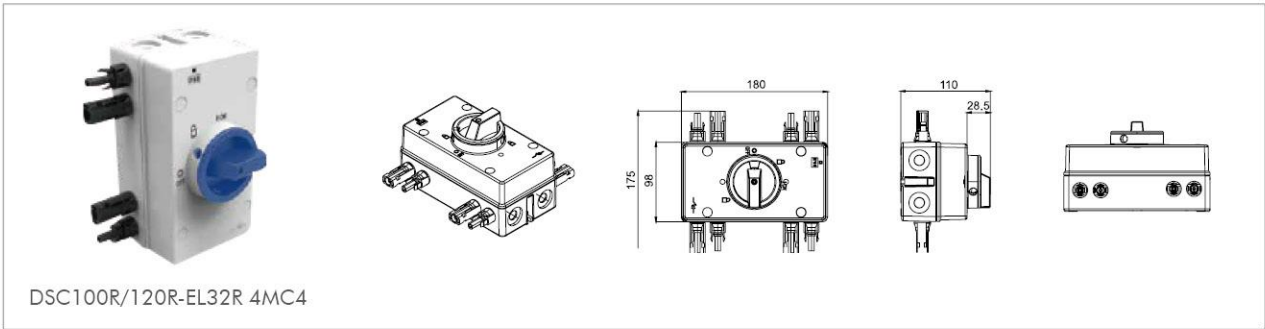
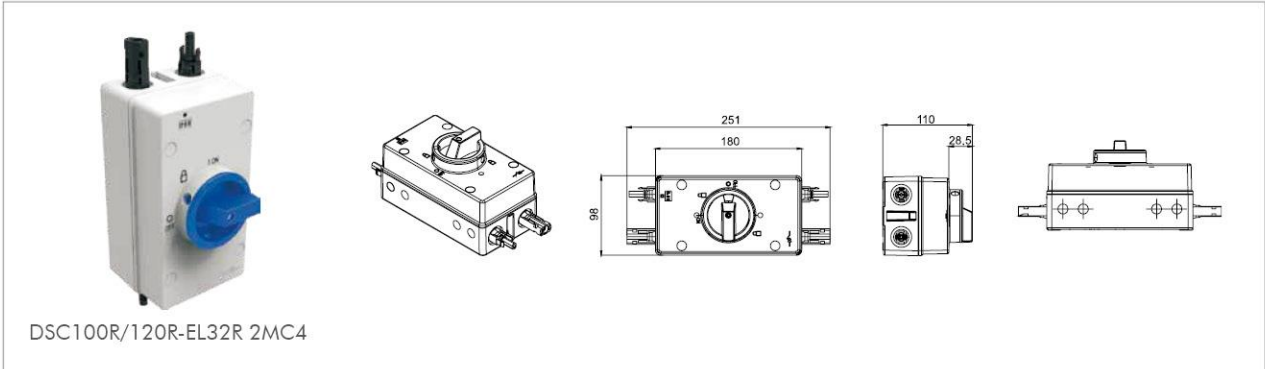
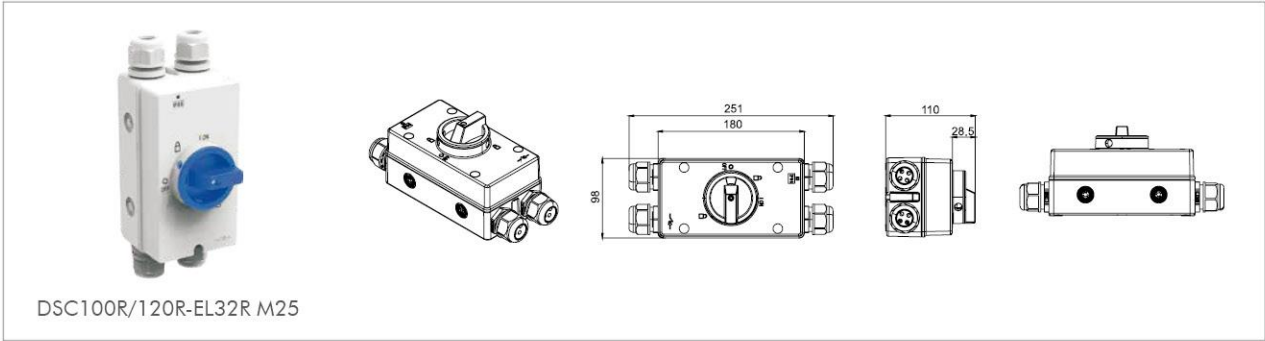
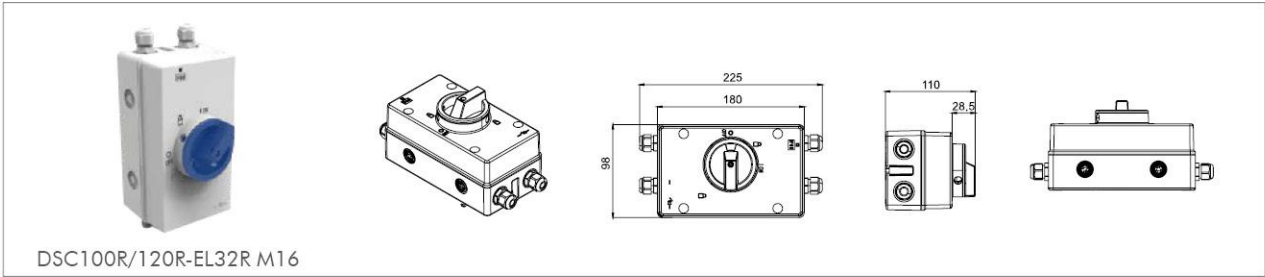
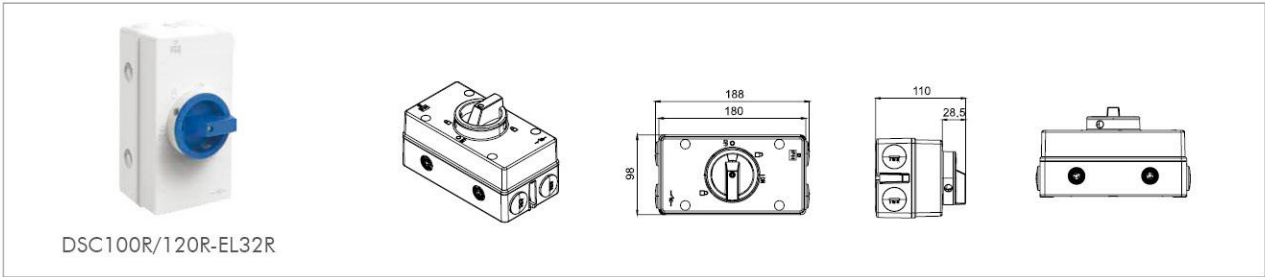


POWER DISTRIBUTION MODULE TYPE



DC Isolation Switch

DC ISOLATOR WITH BOX



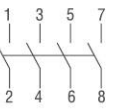
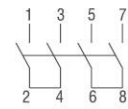
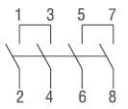
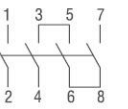
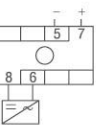
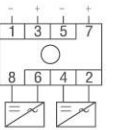
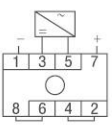
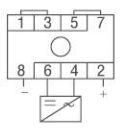
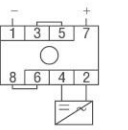
DC Isolation Switch

MAIN TECHNICAL PARAMETERS

300V		600V		800V		1000V		1200V		Poles	No.of Strings	Part Number
PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2			
32	32	32	32	32	16	16	9	/	/	2	1	DSC100R-α32×-2
32	32	32	32	32	16	16	9	13	9	2	1	DSC120R-α32×-2
32	32	32	32	32	16	16	9	/	/	4	2	DSC100R-α32×-4
32	32	32	32	32	16	16	9	13	9	4	2	DSC120R-α32×-4
32	32	32	32	32	32	32	32	/	/	4	1	DSC120R-α32×-4S
32	32	32	32	32	32	32	32	32	32	4	1	DSC100R-α32×-4S
32	32	32	32	32	32	32	32	/	/	4	1	DSC120R-α32×-4B
32	32	32	32	32	32	32	32	32	32	4	1	DSC100R-α32×-4B
32	32	32	32	32	32	32	32	/	/	4	1	DSC120R-α32×-4T
32	32	32	32	32	32	32	32	32	32	4	1	DSC100R-α32×-4T

Data according to IEC/EN60947-3:2009+A1+A2, AS60947.3, Utilization category DC-PV1, DC-PV2

WIRING DIAGRAM

Type	2-Pole	4-Pole	4-pole with Input and Output on top	4-pole with Input and Output bottom	4-pole with Input on top Output bottom
WYDSC100R/120R	2	4	4T	4B	4S
Contacts Wiring graph					
Switching example					

Isolation Switch



NAMING RULES

WYDL	80	a		b	c		p	h	
↓	↓	↓		↓	↓		↓	↓	
wangyuan disconnecter	Rated insulation voltage	Installation form		Rated current	With lock or not		Poles	Handle option	
	800V	DB	Rail mounting	16	R	with lock	2	RY	Red/yellow handle with lock only
				20			3		
		PM	Panel mounting	25	Empty	without lock	4	BW	Black/white handle
				32			5		
		DC	Door lock installation	40			6	BB	Black/black handle
				63			7		
		EL	with Plastic box	80			8		
				80H					
		ELA	with Aluminum box	100					
				125					

Isolation Switch

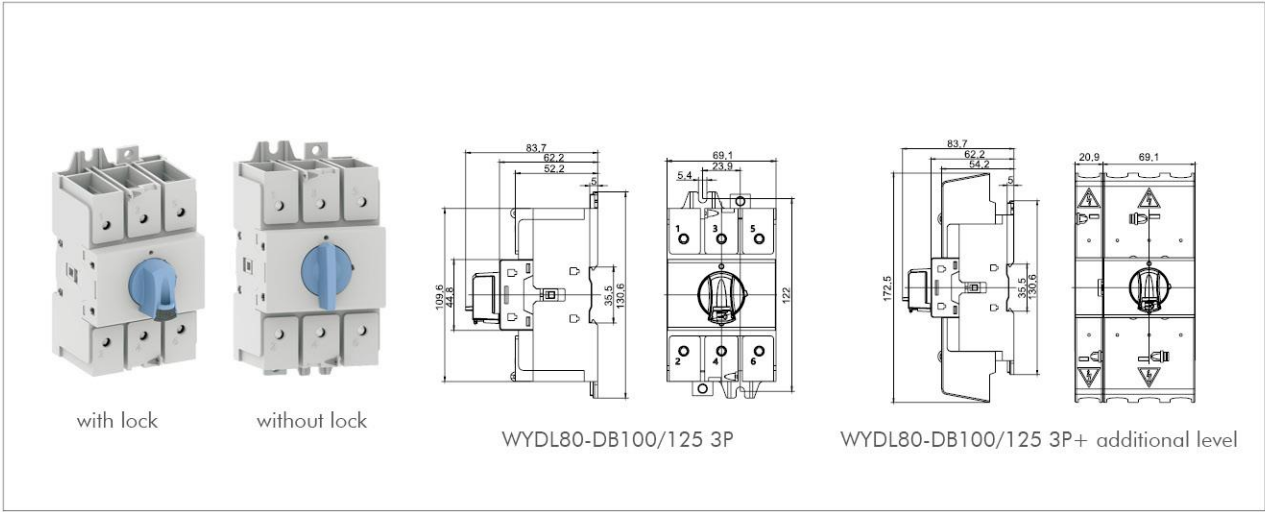
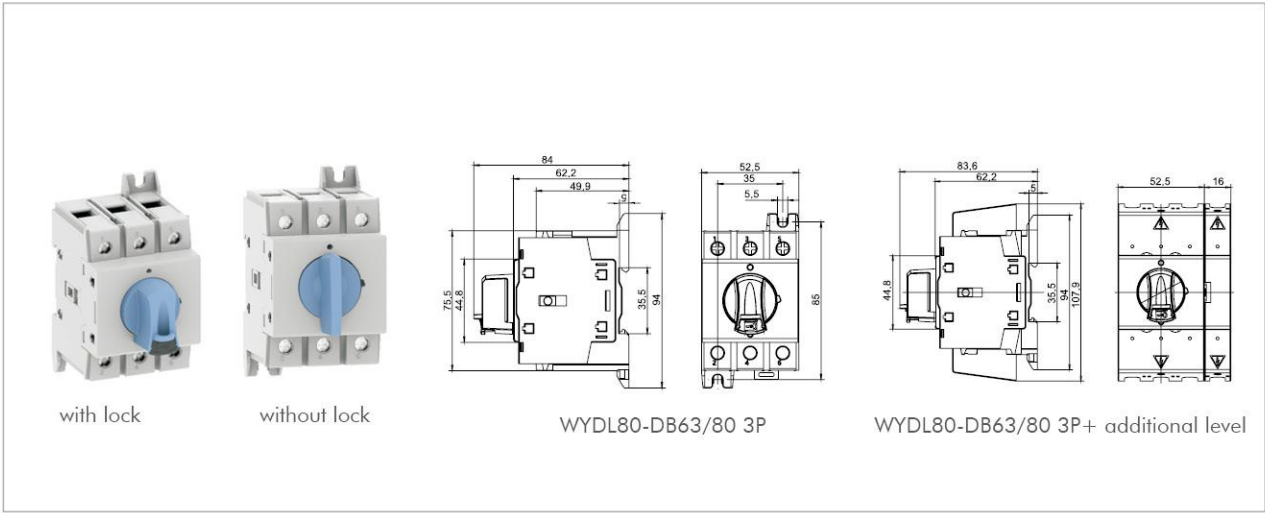
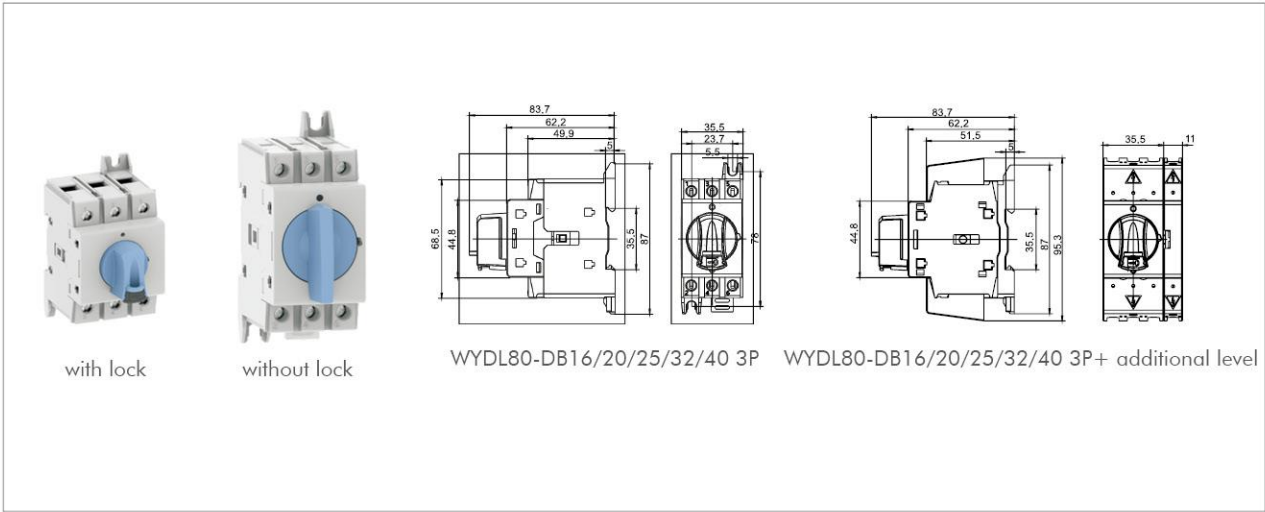
TECHNICAL PARAMETER

Type		WYDL80- α 40					WYDL80- α 80			WYDL80- α 125	
Current Agreed heating current (≤ 40℃)		16A	20A	25A	32A	40A	63A	80A	100A	100A	125A
IEC rated operational current Ie AC-21 A/B(≤ 690V)		16A/16A	20A/20A	25A/25A	32A/32A	40A/40A	63A/63A	80A/80A	100A/100A	100A/100A	125A/125A
IEC rated operational current Ie AC- 22A/B	415V	16A/16A	20A/20A	25A/25A	32A/32A	40A/40A	63A/63A	80A/80A	100A/100A	100A/100A	125A/125A
	500V					32A/40A	40A/63A	63A/80A	63A/80A	80A/100A	100A/125A
	690V						40A/63A	63A/80A	63A/80A	80A/100A	100A/125A
IEC rated operational current Ie AC- 23A/B	415V	16A/16A	20A/20A	25A/25A	32A/32A	40A/40A	63A/63A	80A/80A	100A/100A	100A/100A	125A/125A
	500V				25A/25A		63A/63A			80A/80A	100A/100A
	690V						40A/40A			63/63A	63A/63A
IEC rated operational current Ie DC- 21B	110VDC	16A ①	20A ①	25A ①	32A ①	40A ①	63A ①	80A ①	100A ①	100A ①	125A ①
	250VDC	16A ②	20A ②	25A ②	32A ②	40A ②	63A ②	80A ②	100A ②	100A ②	125A ②
	400VDC	16A ③	20A ③	25A ③	25A ③		40A ③			63A ③	
IEC rated operational power (3 phase) AC-23A/B	415V	7.5KW	9KW	11KW	15KW	18.5KW	30KW	37KW	45KW		55KW
	500V		11KW	15KW							
	690V										
Short circuit withstand current of fuse protection (kA rms expected value)											
Fuse class	415V	16A	20A	25A	32A	40A	63A	80A	100A		125A
Rated conditional short-circuit current	415V	50kA							25kA		
Short circuit withstand current of circuit breaker for protection, any circuit breaker that can trip within 0.3s											
Rated short-time withstand current	0.3S	2.5kA					3kA			5kA	
Short circuit performance (unprotected)											
Rated short-time withstand current	1S	1.26kA					1.5kA			2.75kA	
Rated short circuit making capacity		1.8kA					2.1kA			3.9kA	
Cross area of terminals		1.5~16mm2					2.5~35mm2			10~70mm2	
Rated insulation voltage Ui		800V									
Rated impulse withstand voltage Uimp		8kV									
Mechanical Endurance		100000									
Ambient Temperature		Operating-25...+55℃ Storage-40...+70℃									

① Each pole is used as positive and negative
② Three poles are used in series with positive and negative poles, of which two poles are in series, and the other is negative
③ four poles are used in series with positive and negative poles

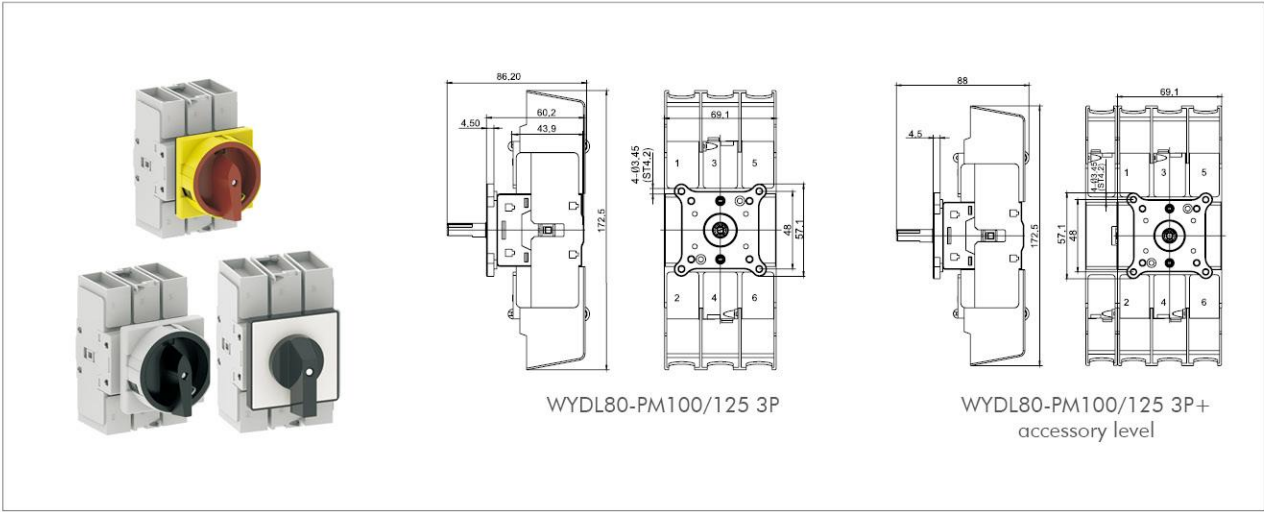
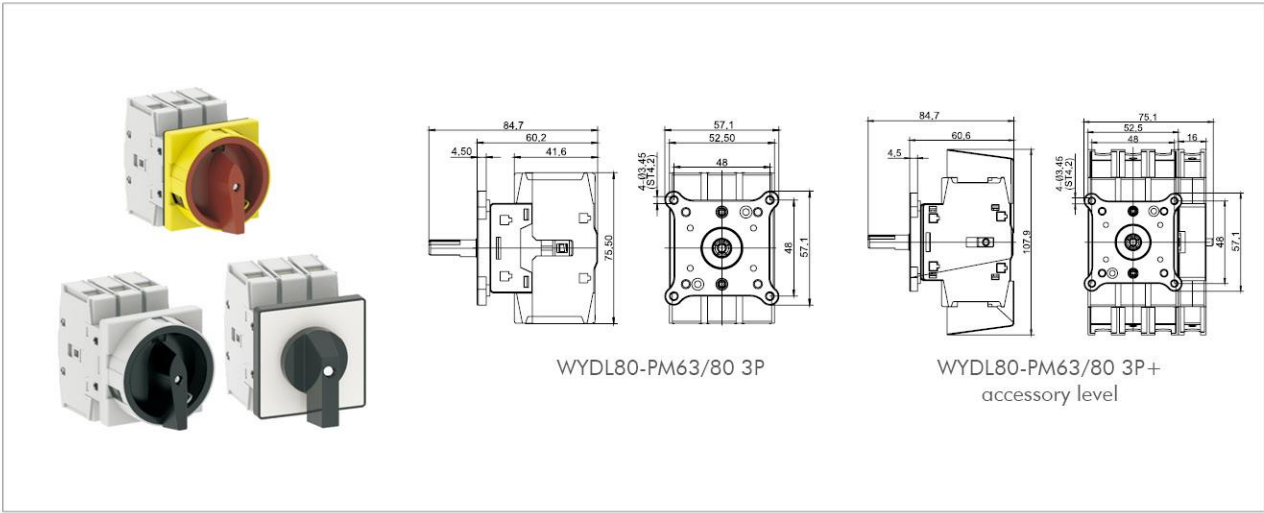
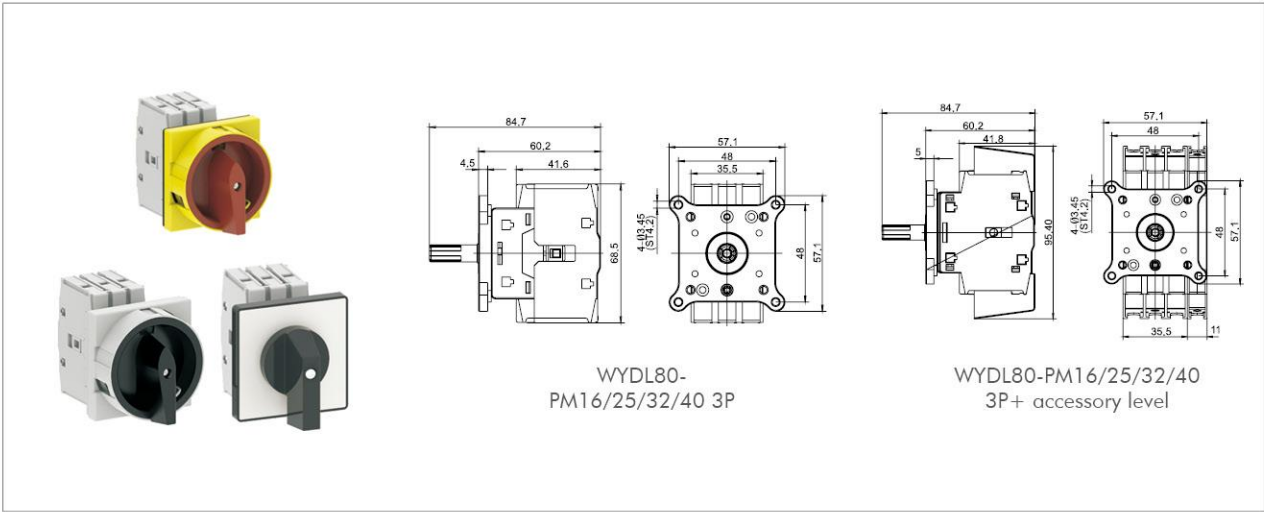
Isolation Switch

RAIL MOUNTING

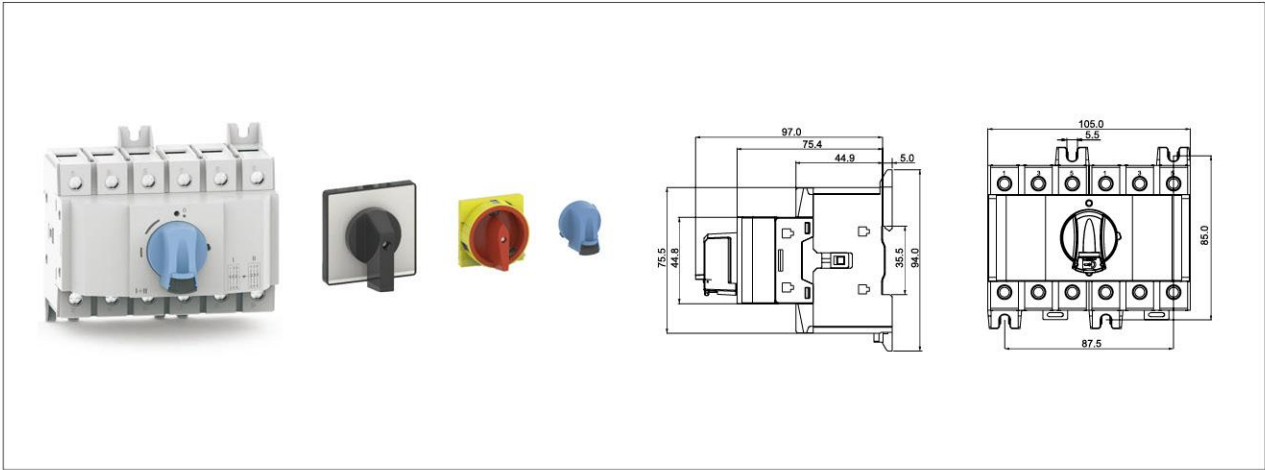


Isolation Switch

PANEL INSTALLATION MODE



Mechanical Combination System

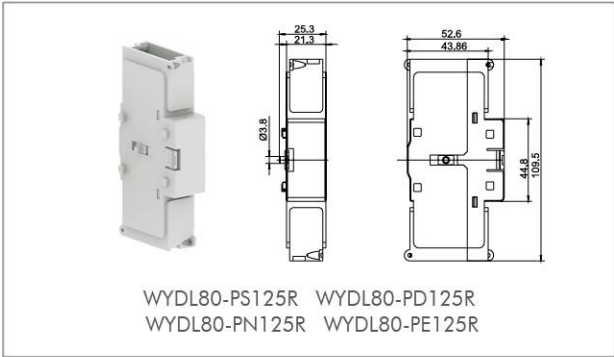
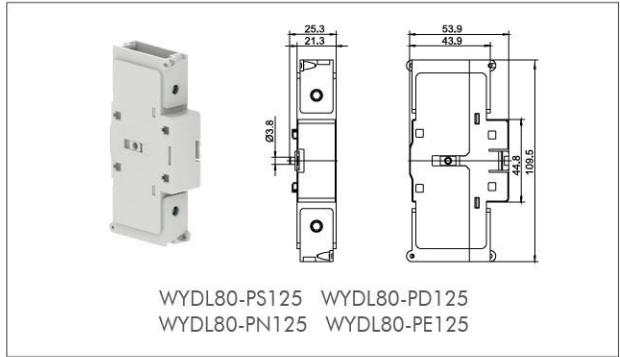
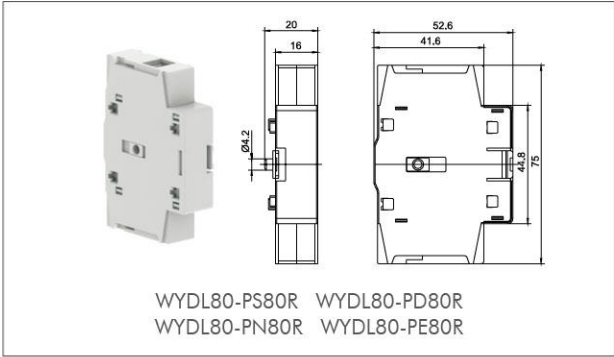
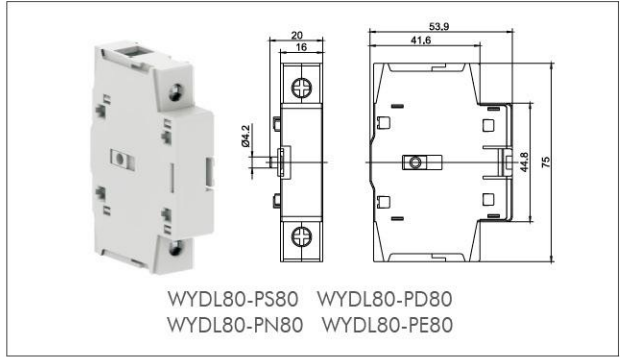
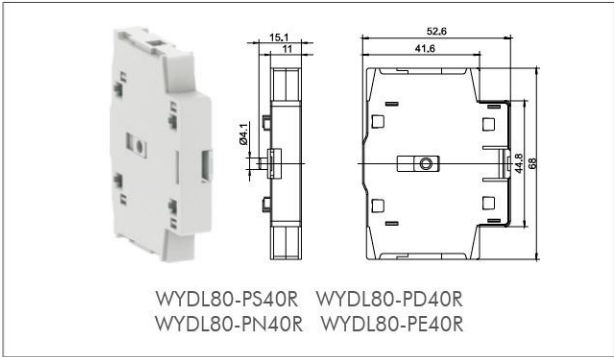
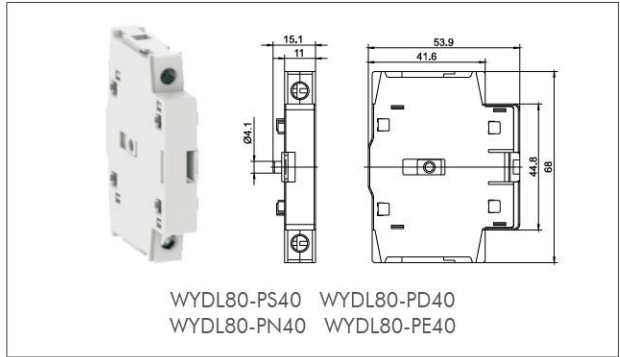


Type	3P	WYDL80-DB63R-6R-IM2	WYDL80-DB80R-6R-IM2	WYDL80-DB80HR-6R-IM2	WYDL80-DB63R-3R-IM31	WYDL80-DB80R-3R-IM31	WYDL80-DB80HR-3R-IM31	WYDL80-DB63R-3R-IM32	WYDL80-DB80R-3R-IM32	WYDL80-DB80HR-3R-IM32
	4P	WYDL80-DB63R-8R-IM2	WYDL80-DB80R-8R-IM2	WYDL80-DB80HR-8R-IM2	WYDL80-DB63R-4R-IM31	WYDL80-DB80R-4R-IM31	WYDL80-DB80HR-4R-IM31	WYDL80-DB63R-4R-IM32	WYDL80-DB80R-4R-IM32	WYDL80-DB80HR-4R-IM32
Current Agreed heating current (≤ 40℃)		63A	80A	100A	63A	80A	100A	63A	80A	100A
IEC rated operational current le AC-21 A/ B(≤ 690V)		63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A
IEC rated operational current le AC-22A/B	415V	63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A
	500V									
	690V	40A/63A	63A/80A	63A/80A	40A/63A	63A/80A	63A/80A	40A/63A	63A/80A	63A/80A
IEC rated operational current le AC-23A/B	415V	63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A	63A/63A	80A/80A	100A/100A
	500V		63A/63A			63A/63A			63A/63A	
	690V	40A/40A			40A/40A			40A/40A		
IEC rated operational current le DC-21B	110VDC	63A ①	80A ①	100A ①	63A ①	80A ①	100A ①	63A ①	80A ①	100A ①
	250VDC	63A ②	80A ②	100A ②	63A ②	80A ②	100A ②	63A ②	80A ②	100A ②
	400VDC	40A ③			40A ③			40A ③		
IEC rated operational power (3 phase) AC-23A/B	415V									
	500V	30KW	37KW	45KW	30KW	37KW	45KW	30KW	37KW	45KW
	690V									
Short circuit withstand current of fuse protection (kA rms expected value)										
Fuse class	415V	63A	80A	100A	63A	80A	100A	63A	80A	100A
Rated conditional short-circuit current	415V	50kA								
Short circuit withstand current of circuit breaker for protection, any circuit breaker that can trip within 0.3s										
Rated short-time withstand current	0.3S	3kA								
Short circuit performance (unprotected)										
Rated short-time withstand current	1S	1.5kA								
Rated short circuit making capacity		2.1kA								
Cross area of terminals		2.5~35mm2								
Rated insulation voltage Ui		800V								
Rated impulse withstand voltage Uimp		8kV								
Mechanical Endurance		100000								
Ambient Temperature		Work Operating-25...+55℃ Storage -40...+70℃								

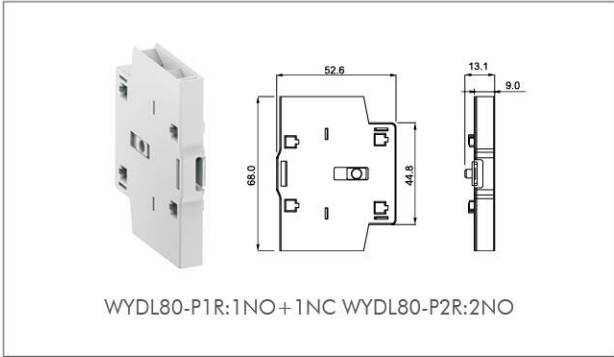
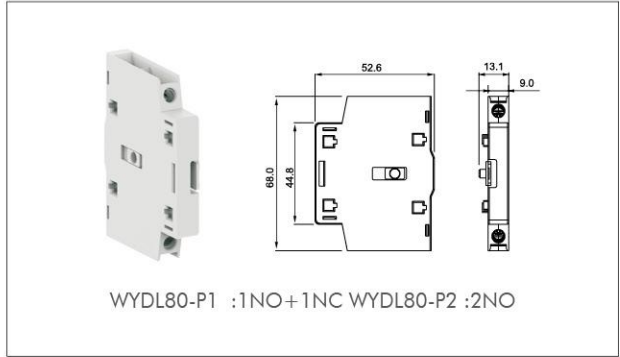
- ① Each pole is used as positive and negative
② Three poles are used in series with positive and negative poles, of which two poles are in series, and the other is negative
③ four poles are used in series with positive and negative poles

Mechanical Combination System

SIDE-MOUNT ADD-ON POLES



AUXILIARY CONTACT



WYAL69 AC Isolation Switch



NAMING RULES

WYAL	69	a		b	c		p	h	
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
AC disconnecter	Rated insulation voltage	Installation form		Rated current	With lock or not		Poles	Handle option	
	690V	PM	Panel mounting	20	R	with lock	3	RY	Red/yellow handle with lock only
				32			4		
		DC	Door lock installation	40	Empty	without lock		B	Black handle
				63					
		DB	Rail Mounting	80					
		EL	Plastic box						

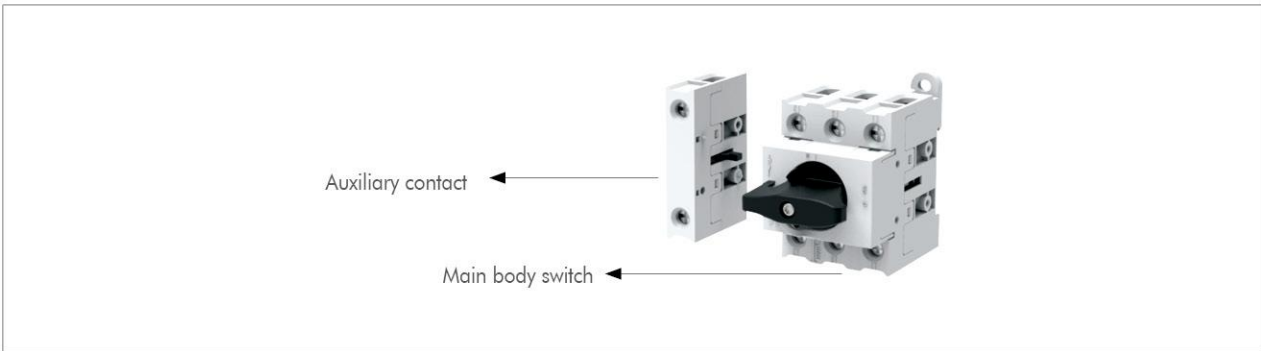
TECHNICAL PARAMETER

Current		20A	32A	40A	63A	80A
Rated carry current		20A	32A	40A	63A	80A
Rated operating current AC-23A		16A	25A	32A	45A	45A
Rated operating current AC-3		12A	23A	30A	37A	37A
Rated power control AC-23A	240V	4KW	7.5KW	9KW	15KW	15KW
	440V	7.5KW	12.5KW	16KW	22KW	22KW
Rated power contro AC-3	240V	3KW	5.5KW	7.5KW	11KW	11KW
	440V	5.5KW	11KW	15KW	18.5KW	18.5KW
UL-CSA (HP) Motor load	240V	3KW	5KW	5KW	10KW	10KW
	440V	7.5KW	10KW	10KW	20KW	20KW
Rated short-time with stand current (lew)		250A	400A	500A	600A	850A
Connect wires(mm ²)		0.5-10MM ²			1-16MM ²	
Screw torque (N•m)		0.8-1.7N•m			1.5-2N•m	
Rated insulation voltage		690V				

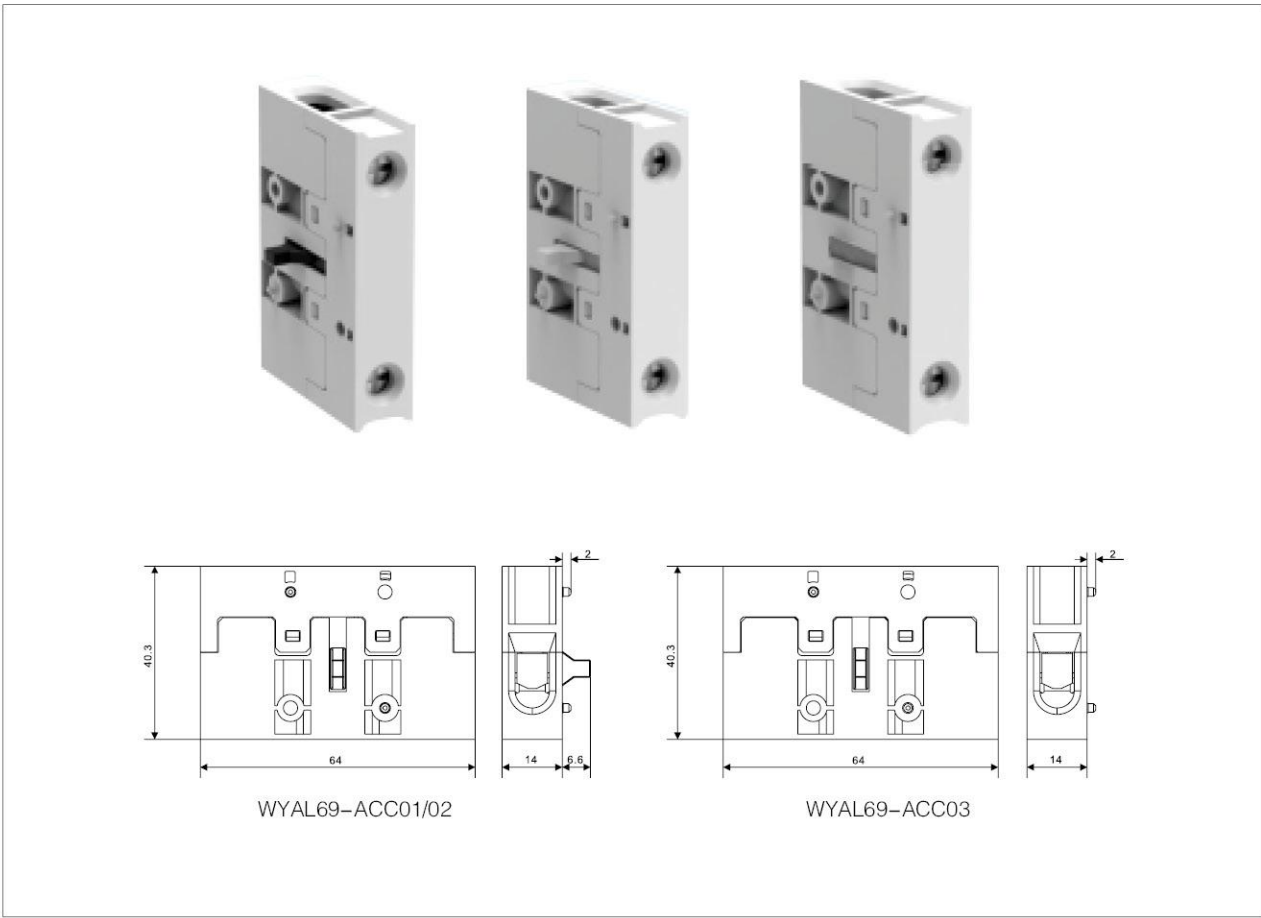
WYDL80 Isolation Switch

ACCESSORY

Mount and remove the auxiliary contacts quickly and simply without tools.



Type	Rated operation current	Applied to	Circuit diagram
WYAL69-ACC01	80A	WYAL69	
WYAL69-ACC02	80A	WYAL69	
WYAL69-ACC03	-	WYAL69	



Solar Photovoltaic Connector

TECHNICAL DATA

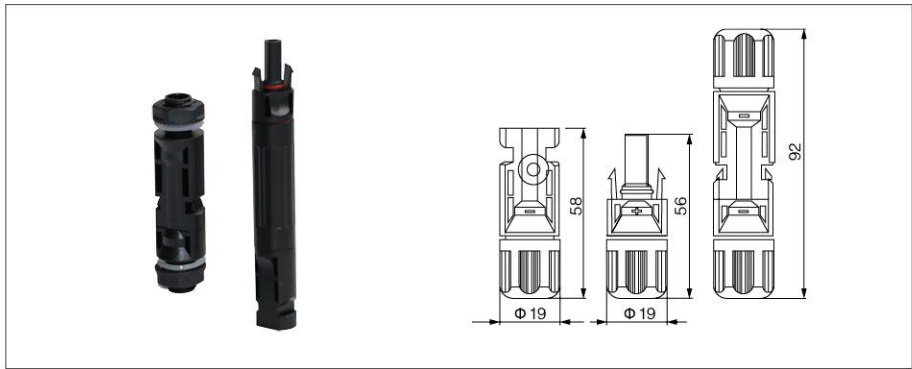


Technical data:	Solar DC Connector PV-LTM01 (1000V)	Solar DC Connector PV-LTM02 (1500V)	Solar DC Connector PV-LTM03 (1000V)
Connector system	Φ4mm	Φ4mm	Φ4mm
Rated voltage	1000V DC	1500V DC	1000V DC/1500V DC
Rated current	30A/45A	30A/45A	30A/45A
Test voltage	6KV(50HZ, 1MIN.)	6KV(50HZ, 1MIN.)	6KV(50HZ, 1MIN.)
Ambient temperature range	-40°C ... +90°C (IEC) -40°C ... +75°C (UL)	-40°C ... +90°C (IEC) -40°C ... +75°C (UL)	-40°C ... +90°C (IEC) -40°C ... +75°C (UL)
Upper limiting temperature	+105°C (IEC)	+105°C (IEC)	+105°C (IEC)
Degree of protection,mated	IP67	IP67	IP67
unmated	IP2X	IP2X	IP2X
Contact resistanceof plug connectors	0.5MΩ	0.5MΩ	0.5MΩ
Safetyclass	II	II	II
Contact materialInsu	Messing,veizinnt Copper Alloy , tin Plated	Messing,veizinnt Copper Alloy , tin Plated	Messing,veizinnt Copper Alloy , tin Plated
lution material	PC/PPO	PC/PPO	PC/PPO
Locking system	SNAP-IN	SNAP-IN	SNAP-IN
Flame class	UL-94-V0	UL-94-V0	UL-94-V0
Salt mist spray test,degree of seventy 5	IEC 60068-2-52	IEC 60068-2-52	IEC 60068-2-52

SOLAR CABLE CONNECTOR



Conductor length:2.5m 4m 6m 10m
Rated voltage: ≤ 30A
Rated current: ≤ 1000VDC
Temperature range: -40 ~ +90° C



Ratedcurrent : 30A/50A
Ratedvoltage :1000V/1500V DC(IEC)
Temperature:-40°C~ +90°C (ec)
Degreeofprotection:IP67mated IP2Xunmated

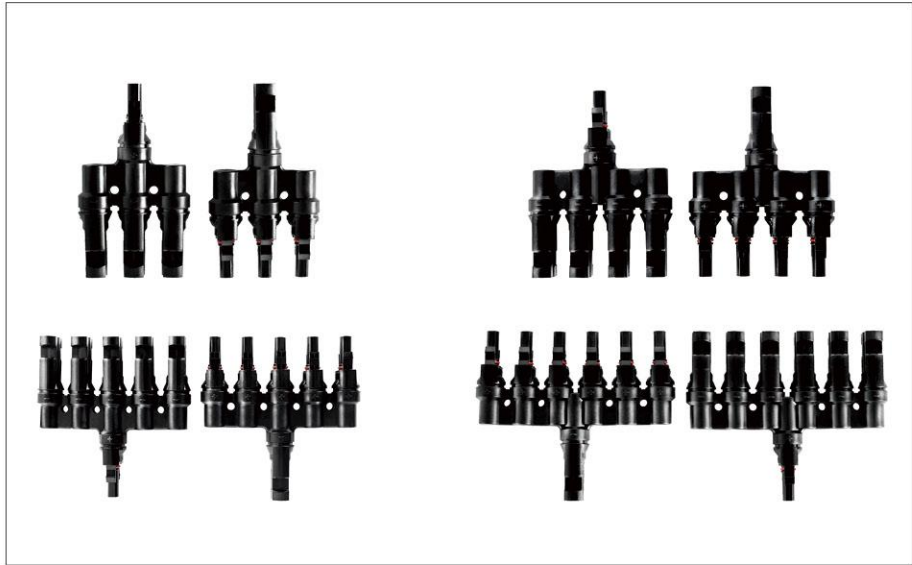
Contactresistanceof plug connectors: 0.5Ω
Contactmaterial : Copper, tin plated
Lockingsystemplug: Snap-in(nur/onlyMC4)
Flameclass: UL94-HB/UL94-V0
CableSize : 2.5/4/ 6/10/16/25 mm2,

Solar Photovoltaic Connector

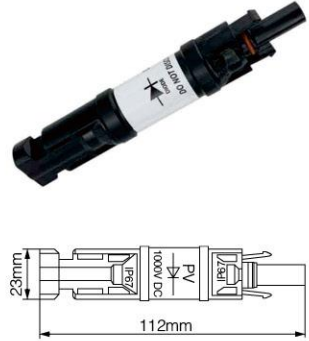
TECHNICAL DATA



Insulation Material	PPO
Contact Material	COPPERJIN PLATED
Suitable Current	30A
Rated Voltage	1000V (TUV)
Test Voltage	6KV (TUVSOHZJMIN)
Contact Resistance	< 0.5MΩ
Degree Of Protection	IP 67
Ambient Temperature Range	-40°C ~+850C
Flame Class	UL94-VO
Safety Class	II



FUSE CONNECTOR



Type	PV-LTM04
Rated Voltage	1000V DC/1500V DC
Contact Materials	Tin plated copper
Rated Current	10A,15A,20A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤ 0.5mΩ
Pollution Degree	2
Ambient Temperature	-40°C ~+85°C
Insulation Material	PPO
Flame Class	UL94-V0

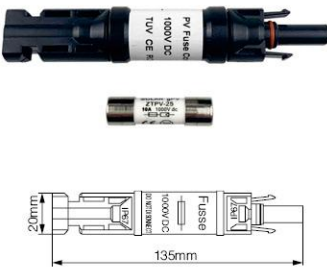
Solar Photovoltaic Connector

PV DC CONNECTOR



TECHNICAL DATA	
Connector system	Φ4mm
Rated Voltage	1000V DC/1500V DC
Rated Current	30A
Test voltage	6KV(50HZ,1MIN.)
Ambient temperature range	-40°C ...+90°C (IEC)-40°C ...+75°C (UL)
Upper limiting temper dture	+105°C (IEC)
Degree of protection,mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5MΩ
Safetyclass	II
Contact materialInsu	Messing,veizinnt Copper Alloy , tin Plated
lation material	PC/PA
Locking system	SNAP-IN
Flame class	UL-94-V0
Salt mist spray test,degree of seventy 5	IEC 60068-2-52

FUSE CONNECTOR



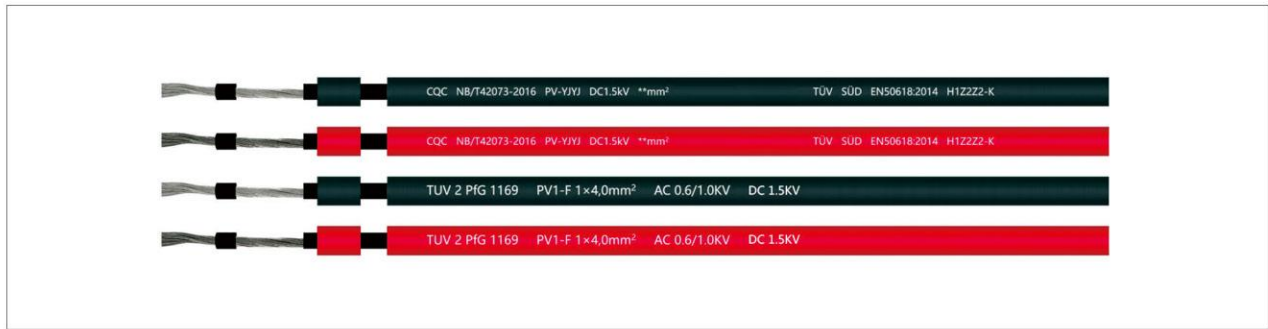
Type	PV-LTM05
Rated Voltage	1000V DC/1500V DC
Contact Materials	Tin plated copper
Rated Current	1A-32A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤ 0.5mΩ
Pollution Degree	2
Ambient Temperature	-40°C ~+85°C
Insulation Material	PPO
Flame Class	UL94-V0

MAIN MODELAND INSTALLATION



Type	Model	Fuse type of installation	Size	Rated current (A)	Rated vltage (V)
Cylindrical fuse link	CF-10PV	Cylindrical fuse link	10×38mm	1~32	WOOVdc
	CF-11PV	Cylindrical fuse link	10×65mm	1~25	1500Vdc
	CF-12PV	Cylindrical fuse link	10×85 mm	2~32	1500Vdc
	CF-14PV	Cylindrical fuse link	14×51mm	15~50	WOOVdc
	CF-14PVB	Cylindrical fuse link	14×51mm	2~32	1500Vdc
	CF-16PV	Cylindrical fuse link	14×85mm	2~50	1500Vdc
	CF-17PV	Cylindrical fuse link	22×58mm	2~63	1500Vdc
Square fuse link	CFH-00	Square insert type	NH00	32~80	WOOVdc
	CFH-0	Square insert type	NH0	32~100	WOOVdc
	CFH-1	Square insert type	NH1	50~160	WOOVdc
	CFH-2	Square insert type	NH2	125~250	WOOVdc
	CFH-3	Square insert type	NH3	250~400	WOOVdc
	CFH-11	Square insert type	Nh11	80~250	WOOVdc
				100~200	1500Vdc
	CFH-12	Square insert type	Nh12	125-400	WOOVdc
				80-250	1500Vdc
	CFH-13	Square insert type	Nh13	315-630	WOOVdc
				250~400	1500Vdc

Solar Photovoltaic DC Cable



DESCRIPTION OF PHOTOVOLT CHARACTERISTICS

CONDUCTOR
Stranded Tinned Copper
INSULATION
Halogen Free Cross-linked Polyolefin(XIPO)
SHEATH
Halogen Free Cross-linked Polyolefin(XIPO)
RATED TEMPERATURE
-40°C ~+90°C
RATED RATING
AC: 06/1KV DC: 1.5KV
WEATHERING RESISTANCE
SUN RESISTANT
STANDARD
2PFG116908.2007 EN 50618:2014 NB/T42073-2016

SPECIFICATIONS FOR PHOTOVOLTS

Cross Section	Conductor Structure	Sheath Thickness	Cable Diameter	Cable Weight	Conductor Resistance	Test Voltage
1×1.5	30/0.25	0.8	4.8	35	13.5	10
1×2.5	49/0.25	0.8	5.3	48	8.21	10
1×4	56/0.285	0.8	5.9	64	5.09	10
1×6	84/0.285	0.8	6.5	85	3.39	10
1×10	80/0.4	0.8	7.5	130	1.95	10
1×16	126/0.4	0.9	10	195	1.24	10
1×25	196/0.4	1.0	12	295	0.795	12

Solar Tool Kits



Crimping Tool PV-LT01

MAIN SPECOALITY

Suitable For Crimping The Cable Of 2.5~6.0mm² (Awg10-14) Suitable For Solar System Installation Site, ilexible Application



Stripping Tool PV-LT02

MAIN SPECOALITY

Suitable For Crimping The Cable Of 2.5-6.0mm²(Awg 10-14) Suitable For Solar System Installation Site, flexible Application



PV-LT03(1500V) dedicated



PV-LT04(1000V) dedicated



PV-LT05(1000V) dedicated



PV-LT06



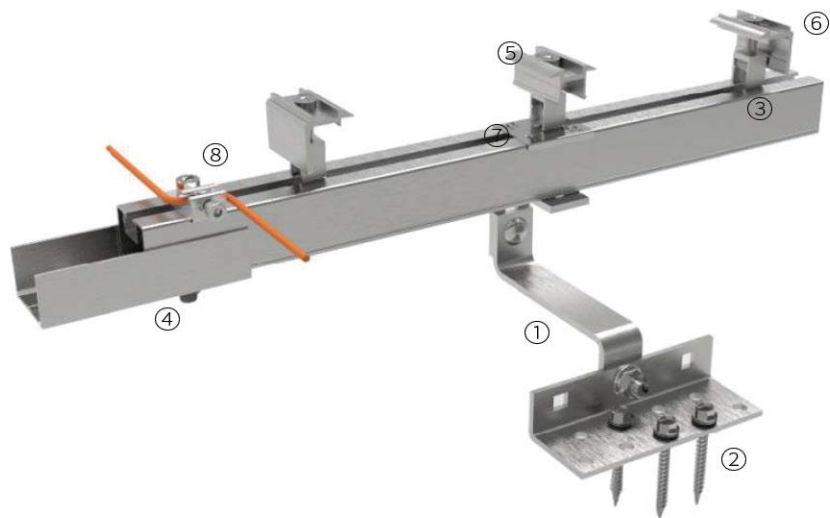
IENERGY iFastRack™

IENERGY iFastRack™ is suitable for almost all American or European roofs. It accommodates all framed and unframed solar panels currently on the market.

IENERGY's complete range of roof mounting brackets provides for fast and simple fixings to purlins or rafters, without affecting the integrity or function of the tiles themselves. IENERGY's roof attachments are available for traditional rooftops as well.

KEY BENEFITS:

- AL6005-T5 high-class anodized aluminium
- Enable simple, fast and cost-effective installation
- Comply with AS/NZS1170.2
- Available for mill finish and black anodization



ING-TRH-WDA180



ING-WS



INT-IFR-01



ING-IFR01-SP



ING-FMC



ING-FEC



INT-CLP-41



ING-LUG

Flat Roof Mount

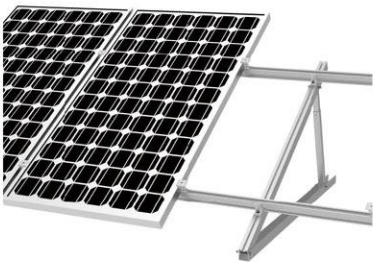
Adjustable Triangular Racking Kit

IENERGY Adjustable Triangular Racking Kit is quick and easy to install, allowing solar panels to be installed in the angle from 10 to 15 degrees,15 to 30 degrees and 30 to 60 degrees.

To simplify installation, components are pre-assembled before delivery to site.

KEY BENEFITS

- Available tilt angles 10-15degree,15-30degree and 30-60degree
- Easy to fold, save storage and transportation
- Simple and fast installation
- Fasteners and rail nut fully configured to save extra parts purchasing costs



IENERGY EAST WEST SYSTEM

Off-Grid Diy Solar Panel Mounts

Single Arm Solar Panel Pole Mount(Wall Solar Mount)

IENERGY Single Arm Solar Panel Pole Mount is a simple and straightforward pole mounting solution for small area solar photovoltaic needs.Its unique module clamp-and-slot combination eliminates the need of bolt holes in the module by clamping to the inside of the module frame.Fully adjustable tilt angle mechanism of the structure can be set for maximum solar panel efficiency, depending on your location and the season.

Note: Pole and solar panel is not included.

KEY BENEFITS

- Made of aluminum with stainless steel screws
- Commonly used for post or wall
- DIY easy installation
- 15-65 tilt angles depend on the size of the panel
- Light weight aluminum alloy material, ideally made for easy transportation and safe mounting



- 100W 60AH
- Solar panel:1 piece
- 1 60AH ternary polymer lithium battery
- One 10-20A digital display controller
- Waterproof tank (30*20*10)
- Solar mounting bracket
- Combiner and other gadgets



- 300W 200AH
- Solar panels: 2
- Two 100AH ternary polymer lithium batteries
- One 20A digital display controller
- Waterproof tank (30*20*10)
- 2 solar mounting brackets
- Combiner and other gadgets



- 150W 80AH
- Solar panel: 1 piece
- One 80AH ternary polymer lithium battery
- One 20A digital display controller
- Waterproof tank (30*20*10)
- 1 solar installation bracket
- Combiner and other gadgets



- 200W 120AH
- Solar panel: 1 piece
- 120AH ternary polymer lithium battery
- One 30A digital display controller
- Waterproof tank (30*20*10)
- 1 solar installation bracket
- Combiner and other gadgets



- 60W 30AH
- Solar panel: 1 piece
- One 30AH ternary polymer lithium battery
- One 10A digital display controller
- Waterproof tank (30*20*10)
- 1 solar installation bracket
- Combiner and other gadgets



- 80W 40AH
- Solar panel: 1 piece
- One 40AH ternary polymer lithium battery
- One 10A digital display controller
- Waterproof tank (30*20*10)
- 1 solar installation bracket
- Combiner and other gadgets



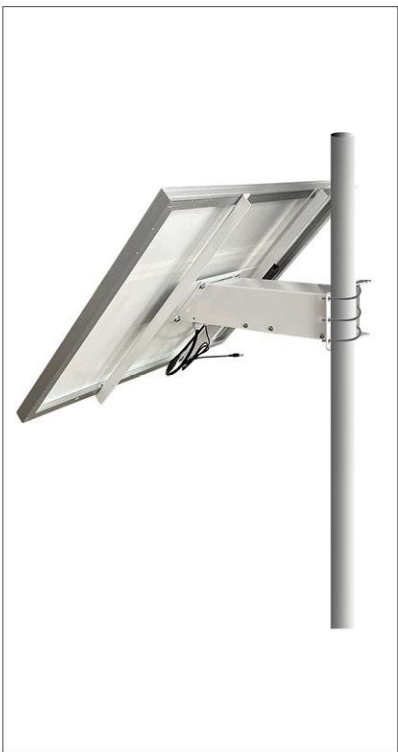
Low profile - Mobile Sentry



Medium - Mobile Sentry



Premium version - Mobile Sentinel



A one-piece cartridge suit



Sheet metal integrated set



Solar Energy Set



Product name	Product specifications	Product advantages
Classic style solar drain clip	30mm	1. The water guide clip is made of PA66 glass fiber reinforced material. 2. Breaking through the limitations of hydrophilic materials, optimizing product structure design, comprehensively improving water diversion and drainage performance, and comprehensively improving product weather resistance. 3. Optimize the design of stiffeners, enhance the impact resistance of the product, and further enhance it. 4. Adjust the redundant design to ensure product simplicity and superior performance.
	33mm	
	35mm	
	40mm	
	50mm	

Product name	Product specifications	Product advantages	
Double leg solar drain clip	35mm	1.The water guide clip is made of PA66 glass fiber reinforced material.Breaking through the limitations of hydrophilic materials, optimizing product structure design, and double leg design further improve water diversion and drainage performance, and comprehensively improve product weather resistance. 2.Optimize the design of stiffeners, enhance the impact resistance of the product, and further enhance it.	
Solar cable clip	30mm	1.Reduce the safety hazards of MC4 connectors. Before product installation, hanging the photovoltaic cables and MC4 connectors can greatly reduce the safety hazards of DC arcing of MC4 connectors. 2.Safe and reliable, easy to install: The product design considers the small gap between the installed photovoltaic modules, and the installation is convenient. The development follows the existing fixed method of the company's products, and the connection is reliable after installation. 3.Featuring high-quality ABS material. It is durable and has a long service life.	Install the side clamp on the frame of the adjacent two photovoltaic panels,fix the cable of the MC4 connector on the hook of the side clamp after installation,and adjust and fix the connector in a satisfactory position.
	35mm		
	Conventional solar cable clip	1.To avoid circulation problems caused by stainless steel clamps on the DC side cables, eliminate safety hazards caused by circulation, and avoid power generation loss caused by circulation. 2.The installation of plastic wire clamps will not damage the surface protection layer of the photovoltaic module frame. 3.Convenient installation, compared to the commonly used stainless steel wire clamps in the market, the installation difficulty of plastic wire clamps is higher. 4. Anti aging, anti ultraviolet, not easy to deform.	During installation, the MC4 connector needs to be installed using a photovoltaic hook suspension method. Install an MC4 connector hook at both ends of each MC4 connector, with the MC4 connector in a suspended state and not in direct contact with the building's color steel plate.
	Orthogonal solar cable clip		

WY-A Straighy Resin Joint Kits



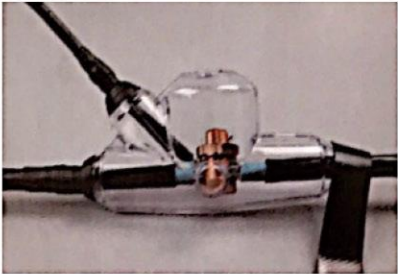
Type	Cable Insulation O. D Range(mm)	Max Conductor Section(mm ²)		Material	Specification	Weight(g)
		unarmored	armored			
WY-A0	8-17	/	/	PC	/	80
WY-A1	8-26	3*16.4*16	3*10.4*10	PC	185*40*45	160
WY-A2	14-32	3*35.4*25	3*16.4*16	PC	270*55*55	350
WY-A3	23-39	3*50.4*50	3*50.4*35	PC	355*65*60	670
WY-A4	28-50	3*95.4*95	3*95.4*70	PC	400*90*75	1250
WY-A5	45-70	3*240.4*240	3*240. 4*240	PC	510*160*120	5000

Please phone us for special specification and type

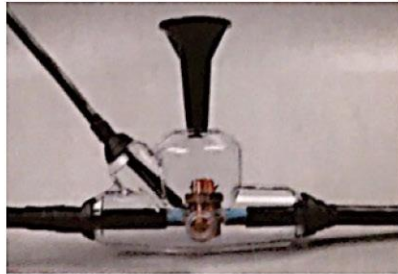
Installation



1.Connect the cables with sleeve or any other connectors



2.Install main body Trim mold ends with knife to fit cable slightly loose.



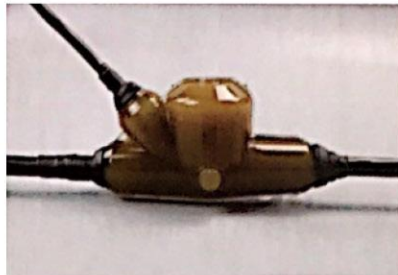
3.Put pouring spout in hole.



4.Mix resin A and resin B

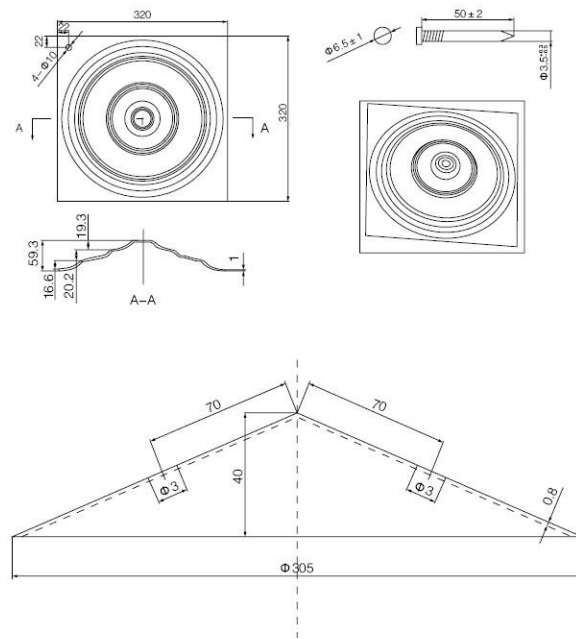


5.Pull resin



6.Finished

Pole Cap



Environment temperature	-40℃ ~+60℃
Application	Power Accessories on power transmission, power Distribution, power station, etc.
Size	M12, M16, M20, M24 1/2", 5/8", 3/4", 7/8"
Length	1200, 1500, 1800, 2000, 2250,2500, or as per requirement
Material	Carbon Steel
Finish	Hot Dip Galvanized
Processing	Precision Casting-Forging-Turning-Milling-Drilling-Galvanized
Color	Silvery white



Tools



Pole Climbers

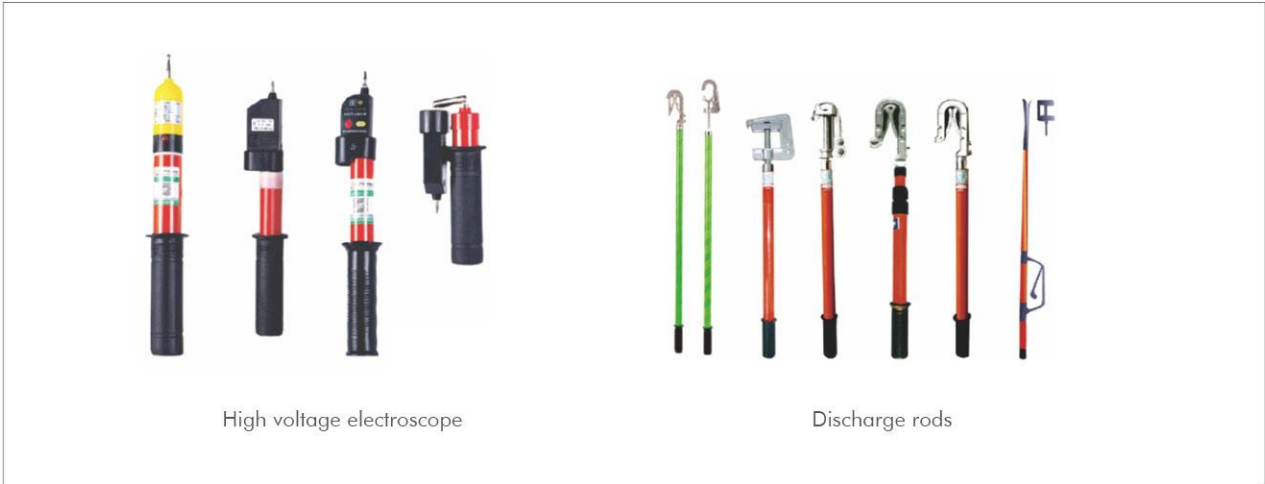


Pole Climbers



Hydraulic crimping tools

Tools



High voltage electroscope

Discharge rods



HV Operating rods (Link rods)



Tools



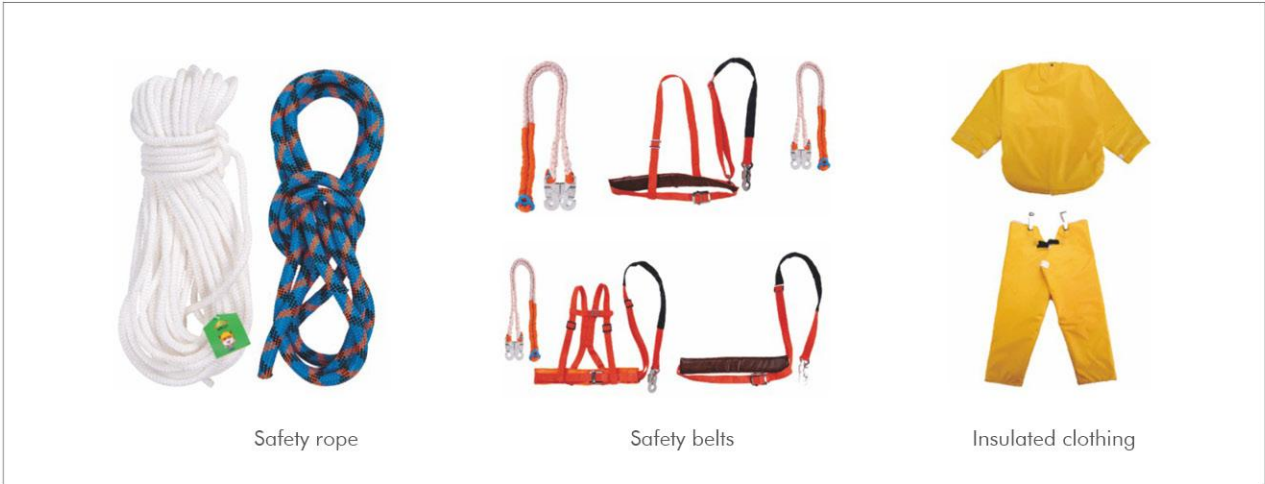
Bare Wire Grip

Insulating Wire Grip

Name	Model & specification	Suitable wires (LJ/LGJ)	Rated load(kN)	Limit load(kN)	Maximum openings (mm)	Weight(kg)
Bare Wire Grip	SKL-1	25-70	10	20	14	1.1
	SKL-15	95-120	15	30	18	1.5
	SKL-2.5	150-240	25	50	24	2.8
	SKL-4	300-400	40	80	32	4.1
	SKL-5	500-630	50	100	37	6.8
	SKL-7	720-800	70	140	40	9.5

Name	Model & specification	Suitable wires (LJ/LGJ)	Rated load(kN)	Limit load(kN)	Maximum openings (mm)	Weight(kg)
Insulating Wire Grip	SKL-1	25-70	10	20	14	1.1
	SKL-15	95-120	15	30	18	1.5
	SKL-2.5	150-240	25	50	24	2.8
	SKL-4	300-400	40	80	32	4.1
	SKL-5	500-630	50	100	37	6.8
	SKL-7	720-800	70	140	40	9.5

Tools



Safety rope

Safety belts

Insulated clothing



Insulation ladder



Steel wire rope tray

Pole vehicle

Street Light

The Street Light can supply the accessories including Light-operated switch, Mounting bracket, Solar panels.The Light is LED, enclosure made from aluminium casting , lamp-chimney made from glass.





Memorandum

Memorandum