GROUP A

폴리머애자
Polymeric Insulators

PYUNGIL Co., Ltd.
경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩 Tel : 031.420.6600 Fax : 031.424.7300
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Tel : 82-31-420-6650~3 FAX : 82-31-424-7300
www.pyungil.com

Silicone Dead-end Insulator

APPLICATION

Polymeric Dead-end insulators made of silicone rubber used for distribution line for 15kV~46kV

PYUNGIL silicone rubber dead-end insulators for 15~46kV have a superior self-cleaning function with the high hydrophobicity, compared with EPDM rubber one, and this can eliminate the need of periodical water washing operations. For ultra violet, the silicone rubber is considered as one of the best dielectric materials, which can withstand and endure UV deterioration. Also compared with the porcelain insulator, the PYUNGIL dead-end silicone insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also durable.

The PYUNGIL insulators are composed of three basic parts of fiberglass rod, which guarantees the high tensile strength, silicone rubber weather sheds, having excellent dielectric performance and ultra violet resistant characteristics, and metal end fittings swaged directly on to the fiberglass rod. PYUNGIL silicone dead-end insulators have been designed and tested to meet the requirements of ANSI, IEEE, IEC and CEA LWIWG-01 (91) at Kinectrics Incorporation in Ontario, Canada.

The PYUNGIL dead-end insulators are manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

FEATURE

Easy to Handle
Not Breakable
Self-cleaning
Excellent Mechanical Strength
High Hydrophobicity
Excellent Anti-tracking

DN 46SD-CT

DN 35SD-CT

DN 28SD-CT

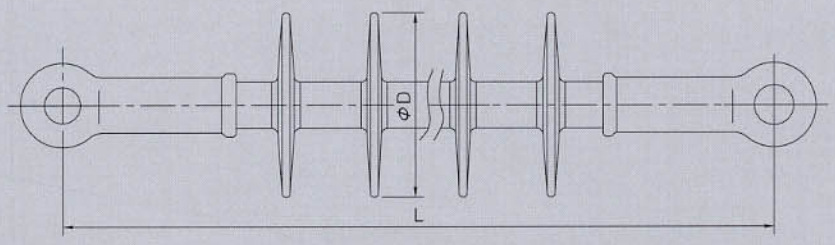
DN 15SD-CT

www.pyungil.com

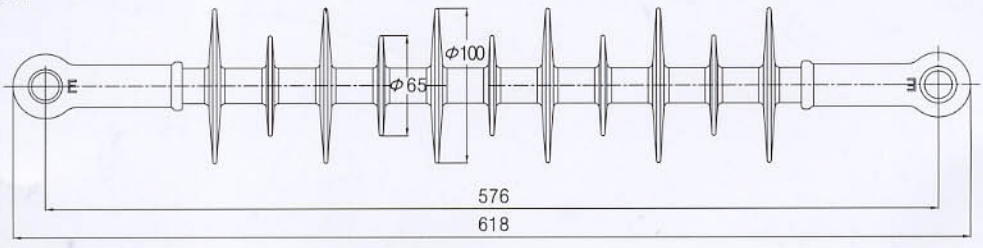
PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

Drawing

For 15~35kV



DN46SD-CT



End-Fittings

Ratings

ITEM		Unit	DN15SD-CT	DN28SD-CT	DN35SD-CT	DN46SD-CT
Voltage Class		kV	15	28	35	46
Number of Sheds			4	6	8	11(6/5)
Section Length(L)		mm	336	446	532	576
Shed Diameter(D)		mm	95	92	86	100/65
Leakage Distance		mm	414	634	796	990
Dry Arcing Distance		mm	204	317	383	440
60Hz Flashover	DRY	kV	100	130	145	180
	WET	kV	70	110	130	145
Impulse Flashover(POSITIVE)		kV	140	190	250	280
Radio Influence	TEST	kV	10	20	25	30
	AT 1000kHz	μV	10			
Min.Specified Mechanical Load		kN(lb)	70(15,000)			
Min.Torsional Load		N-m(ft-lb)	55(40)			

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

EPDM Dead-end Insulator

APPLICATION

Polymeric Dead-end insulators made of EPDM rubber used for distribution line for 15kV~35kV

PYUNGIL EPDM rubber dead-end insulators for 15~35kV have been introduced to cover the weak points of the existing porcelain insulators. Compared with porcelain ones, PYUNGIL polymerics insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also durable. The EPDM rubber that PYUNGIL uses has been made under its special knowhow for raw material. It has been used for the cable connectors for over 20 years, which proves that the EPDM rubber has dependable quality.

The PYUNGIL dead-end insulators are composed of three basic parts of fiberglass rod, which guarantees the high tensile strength, EPDM rubber weather sheds, having excellent dielectric performance and metal end fittings are crimped directly on to the fiberglass rod. The profile and the dimension of the dead-end insulator are obtained and optimized using CAD simulation by experienced engineers.

The PYUNGIL EPDM rubber dead-end insulators have been designed and type-tested at the Korean Electrotechnology Research Institute in accordance with ANSI, IEEE, IEC and Canadian Electrical Association LWIWG-01 (91). The PYUNGIL dead-end insulators are manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

FEATURE

Easy to Handle
Not Breakable
Self-cleaning
High Hydrophobicity
Excellent Mechanical Strength
Erosion Resistant

DN 35ED-CT

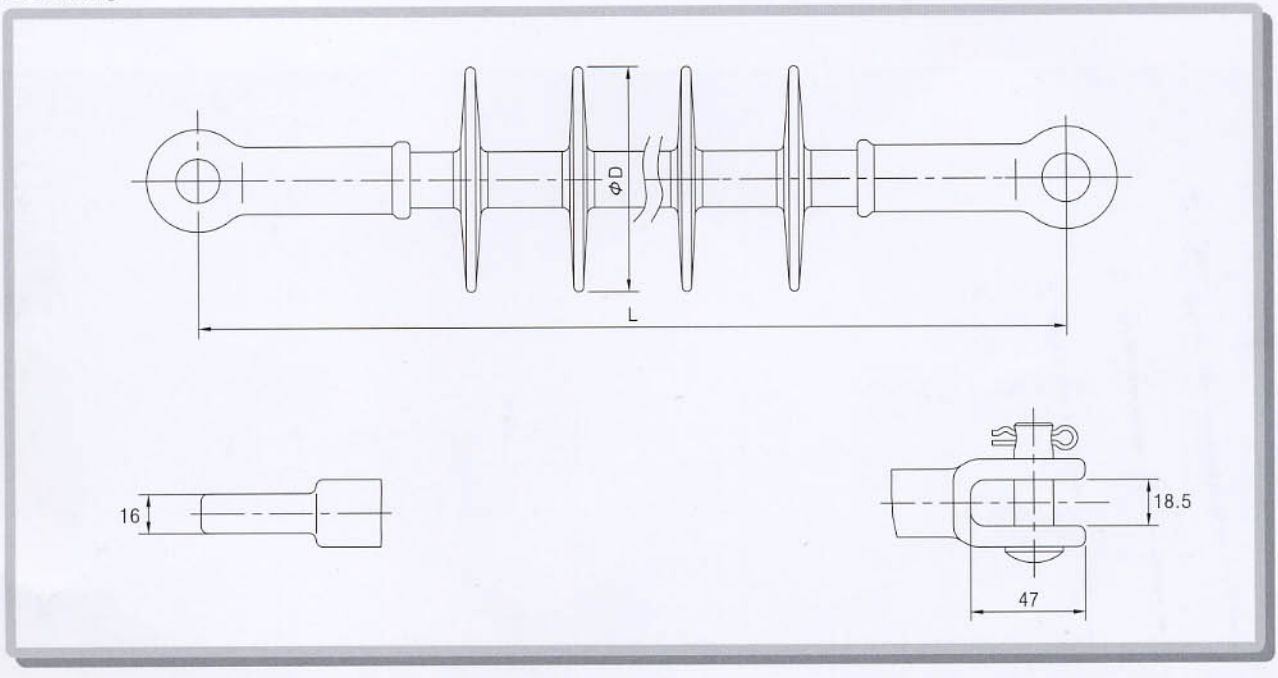
DN 28ED-CT

DN 15ED-CT

www.pyungil.com

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

Drawing



Ratings

ITEM		Unit	DN15ED-CT	DN28ED-CT	DN35ED-CT
Voltage Class		kV	15	28	35
Number of Sheds			4	6	8
Net Weight		kg	1.26	1.40	1.55
Section Length(L)		mm	336	446	531
Shed Diameter(D)		mm	95	92	92
Leakage Distance		mm	415	643	851
Dry Arcing Distance		mm	204	314	389
60Hz Flashover	DRY	kV	100	130	145
	WET	kV	70	110	130
Impulse Flashover	POSITIVE	kV	140	190	250
	NEGATIVE	kV	175	230	275
Radio Influence	TEST	kV	10	20	25
	AT 1000kHz	μV	10		
Min.Specified Mechanical Load		kN(lb)	70(15,000)		
Min.Torsional Load		N-m(ft-lb)	55(40)		

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

Polymeric Line Post Insulator with Universal Clamp

APPLICATION

Polymeric Line Post Insulators made of silicone rubber for distribution line for 15kV~46kV

PYUNGIL polymeric line post insulators with universal clamp for 15~46kV are introduced to cover the weak points of the existing porcelain insulators. The insulators are installed vertically or horizontally on electric pole or structure to hold the overhead wire. Compared with porcelain ones, PYUNGIL polymeric insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also more durable.

The **PYUNGIL** line post insulators are composed of three basic parts of fiberglass rod, which guarantees the high bending strength silicone rubber weather sheds, having excellent dielectric performance and ultra violet resistant characteristics, and metal end fittings swaged directly on to the fiberglass rod.

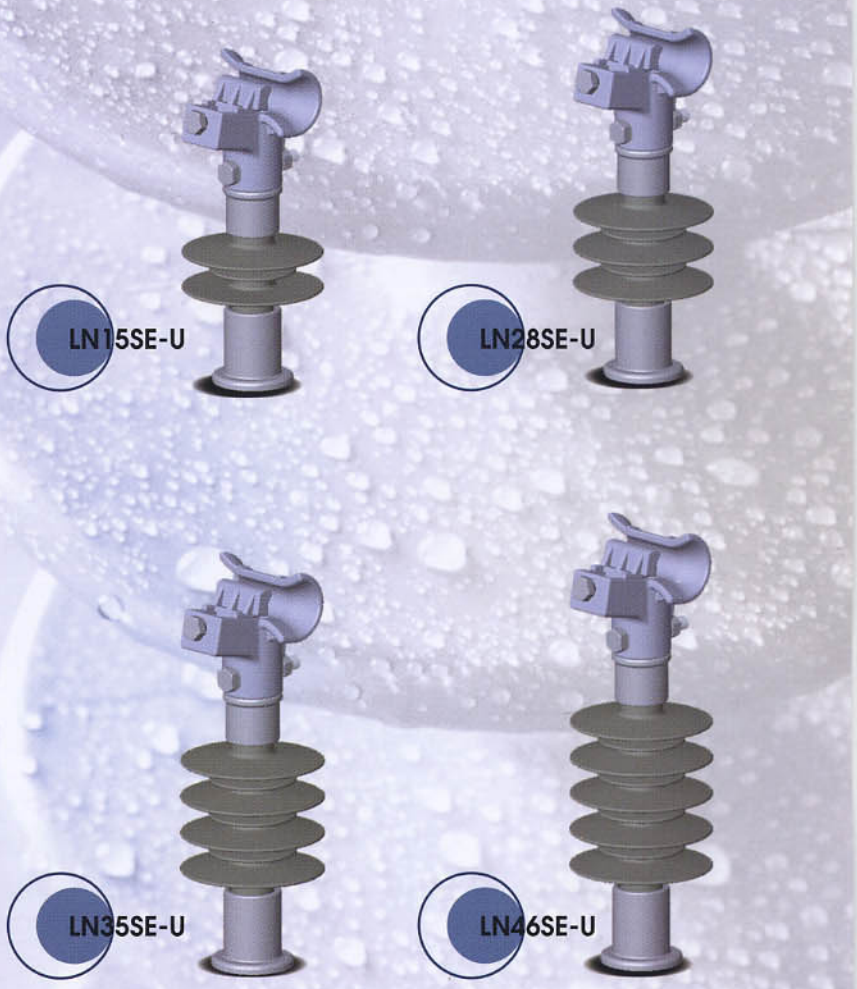
The **PYUNGIL** silicone line post insulators have been designed and tested to meet the requirements of ANSI, IEEE, IEC and CEA LWIWG-02 at Kinectrics Incorporation in Ontario, Canada.

The new design of clamp which accommodates 6.3mm to 34mm diameter of conductor can be separated from the top end-fitting. (patent pending)

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

FEATURE

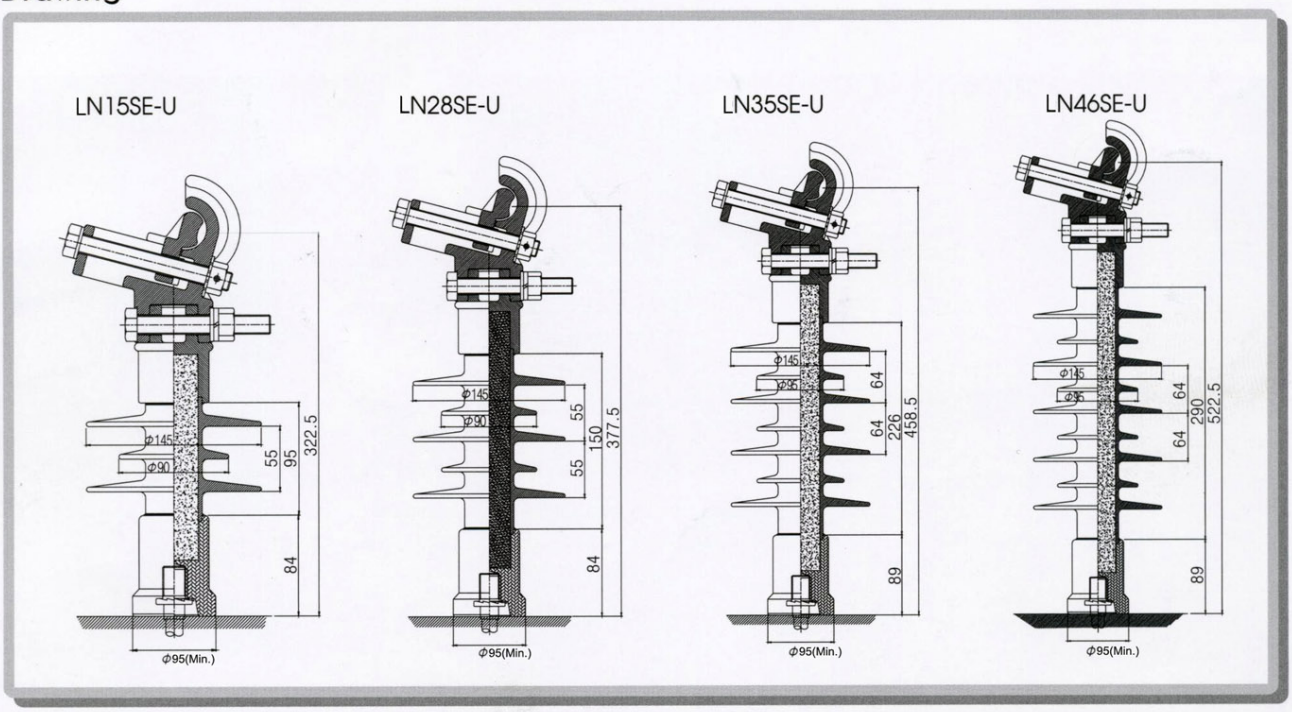
Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity
Wide Range of Conductor Dia.



www.pyungil.com

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

Drawing



Ratings

ITEM		UNIT	LN15SE-U	LN28SE-U	LN35SE-U	LN46SE-U
Rated Voltage		kV	15	25	35	46
Number of Big Sheds			2	3	4	5
Diameter of Big Shed (A)		mm	145	145	145	145
Number of Small Sheds			1	2	3	4
Diameter of Small Shed (B)		mm	90	90	95	95
Section Length (C)		mm	322.5	377.5	458.5	522.5
Insulation Length (D)		mm	95	150	226	290
Leakage Distance		mm	300	420	664	846
Dry Arcing Distance		mm	140	195	283	348
60Hz Dry Flashover Voltage (1Min)		kV	75	95	120	145
60Hz Wet Flashover Voltage (15Sec)		kV	40	75	80	100
Critical Impulse Flashover Voltage	Positive	kV	130	150	180	240
	Negative	kV	155	205	285	350
Radio Influence Voltage		kV	10	15	22	30
Max. Design Cantilever Load(MDCL)		kN	6 (612kgf)			
Specified Cantilever Load(SCL)		kN	12 (1,224kgf)			

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

철도용 장간애자 Silicone Railway Insulator

용 도 APPLICATION

25kV 전차선로 노변 전주에 취부되어
가동 브래킷을 지지하는 고분자제 애자
(M TYPE)
25kV 전차선로의 인장 개소에
사용되는 고분자제 애자
(N-A TYPE)

PYUNGIL polymeric railway insulators employ silicone rubber for main insulation material, an FRP rod with high mechanical strength and galvanized steel for anti-corrosion. Compared to the existing railway insulators, the insulators are light-weighted and accordingly easy to handle, though they offer reliable quality mechanically and electrically. Moreover ultimate compression and tensile strengths of

PYUNGIL insulators ensure dependable quality and security.PYUNGIL polymeric railway insulators are used for a hinged cantilever installed in AC railway or high-speed railway system to insulate the electrical pole from the feed system and to support messenger wire and trolley wire. Currently two types of railway insulators are available with respect to their application. M-type insulator is used for where severe compressive load and bending load occur, and N-A type is designed for the application of where tensile load is subjected.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

경량으로 시공 편리
깨지지 않음
자기 세척 기능
우수한 기계적 특성
고 발수성

FEATURE

Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity

M TYPE

N-A TYPE

www.pyungil.com

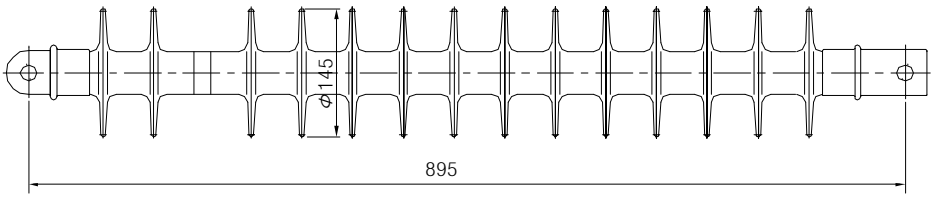
㈜ 평일
PYUNGIL Co., Ltd.

경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

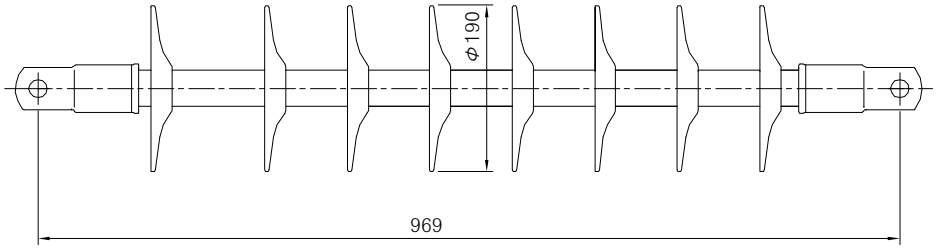
철도용 장간애자
SILICONE RAILWAY INSULATOR

도면 Drawing

M Type



N-a Type



정격 / Ratings

ITEM		Unit	M Type	N-a Type
Section Length		mm	895±5	969±5
Efficient Insulation Distance		mm	680	700
Diameter of Shed		mm	145	190
No. of Sheds			14	8
Mechanical Characteristics	Surface Leakage Distance	mm	1,640	1,480
	Bending Failure Load	kgf • m	350	190
	Tensile Withstand Load(1 min.)	kgf	6,000	5,600
Electrical Characteristics	Dry Voltage	kV	300	330
	Wet Voltage	kV	230	255
	50% Impulse Voltage	kV	480	510
Radio Voltage	Frequency to Ground	rms kV	25	25
	Max. Radio Voltage	μN at 1000kHz	10	10

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300

철도용 급전선 지지애자 Polymeric Feeder Wire Support Insulator for Railway

용 도 APPLICATION

25kV 전차선로의 지하구간 내 급전선을 지지하는 고분자제 애자

PYUNGIL polymeric feeder wire support insulators for railway (NSP-50) employ silicone rubber for main insulation material, an FRP rod with high mechanical strength and aluminum alloy in accordance with ASTM B26M. Compared to the existing railway insulators, the insulators are light- weighted and accordingly easy to handle, though they offer reliable quality mechanically and electrically. Moreover ultimate compression and tensile strengths of NSP-50 ensures dependable quality and security.

NSP-50 is used to hold feeder wire reversely at electrical railway system for 25kV. The bottom fitting has 4 holes to be fixed onto ceiling and the other clamp fitting is designed to securely hold the feeder wire. According to the customer's requirement on the creepage distance, the number of weather sheds is changeable.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

경량으로 시공 편리
깨지지 않음
자기 세척 기능
우수한 기계적 특성
고 발수성

FEATURE

Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity

www.pyungil.com

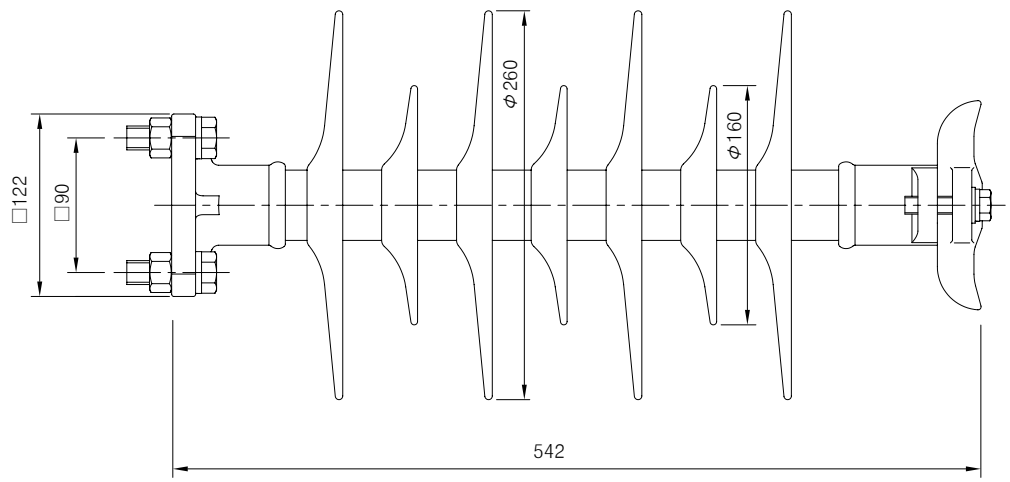
(주) 평일
PYUNGIL Co., Ltd.

경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

철도용 급전선 지지애자

POLYMERIC FEEDER WIRE SUPPORT INSULATOR FOR RAILWAY

도면 Drawing



정격 / Ratings

ITEM		UNIT	VALUE
Dimension	Section Length	mm	542
	Creepage Distance	mm	1,100
Mechanical Characteristics	Bending Failure Load	kgf	710
	Tensile Withstand Load (1Min.)	kgf	4,000
Electrical Characteristics	60Hz Dry FO Voltage	kV	200
	60Hz Wet FO Voltage	kV	150
	50% Impulse FO Voltage	kV	320
Radio Influence Voltage	Test Voltage	rms kV	25
	Max. Radio Voltage	μV at 1000kHz	10

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300

절연봉 Fiberglass Guy Strain Insulator for Railway

용 도 APPLICATION

25kV 전차선로의 조가선의 절연거리
유지를 위하여 사용되는 테프론으로
표면이 코팅된 절연봉

PYUNGIL fiberglass guy strain insulator for railway is teflon-coated and employs high tensile silicone rubber. The Fiberglass guy strain insulator is mainly used to maintain the clearance distance between contact wire and messenger wire in 25kV electric railway system. The insulator has strong tensile load strength enough to withstand 110kN, has a long working life, and weighs one tenth of guy strain insulators made of porcelain. The PYUNGIL guy strain insulator consists of 3parts: metal fittings made of stainless steel , FRP rod for core and PTEF(Teflon) for main insulation body and is made in accordance with the international industrial standards such as Korea Standard, IEC, ASTM and ANSI/IEEE.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

뛰어난 절연 성능
우수한 인장 강도
경량으로 시공 편리
테프론 코팅으로 오손 방지

FEATURE

High Dielectric Strength
Excellent Tensile Strength
Light-weighted and Easy to Handle
Teflon-coated, Contaminant-free

www.pyungil.com

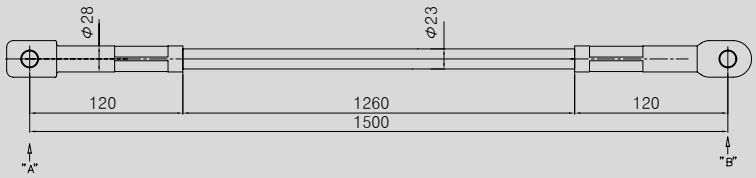
(주) 평일
PYUNGIL Co., Ltd.

경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

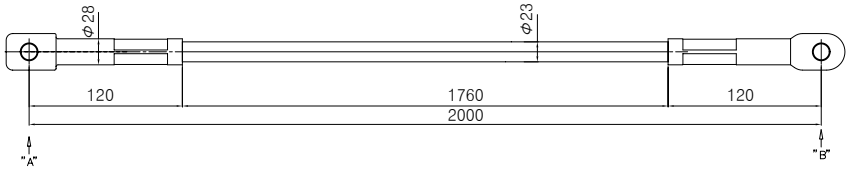
절 연 봉
FIBERGLASS GUY STRAIN INSULATOR FOR RAILWAY

도면 Drawing

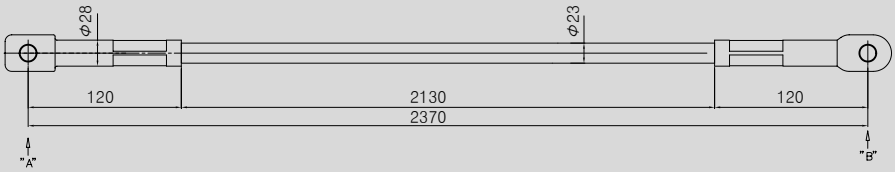
Type 1



Type 2



Type 3



End-Fittings

정격 / Ratings

ITEM	VALUE		
	TYPE 1	TYPE 2	TYPE 3
Section Length	1,500mm	2,000mm	2,370mm
Efficient Insulation Distance	1,130mm	1,630mm	2,000mm
60Hz Dry Withstand Voltage	300kV	380kV	400kV
60Hz Wet Withstand Voltage	150kV	190kV	230kV
Lightning Impulse Withstand Voltage (1.2×50㎲)	350kV	470kV	570kV
Specified Mechanical Load	110kN		
Routine Test Load	55kN		
Buckling Strength	35kgf/mm²		

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300

내오손 결합애자 Polymeric Coupling Insulator

용 도 APPLICATION

염진해 오손지역에서 특고압 COS 또는
피뢰기의 절연성능을 보강하기 위하여
이들과 조합 사용되는 중간결합애자

PYUNGIL polymeric coupling insulators are used to connect protection devices such as surge arrester and cutouts to electric pole. The coupling insulator has been introduced to cover the weak points of the existing porcelain insulator and bracket. Compared with conventional coupling insulators of porcelain, the polymeric insulators have higher mechanical and electrical performance. The polymeric material (EPDM rubber) that PYUNGIL currently uses has been formulated under its special knowhow for raw material.

The PYUNGIL polymeric coupling insulator has been used for the cable connectors for over 20 years, which proves that the EPDM rubber has dependable quality. The coupling insulator is composed of three basic parts of fiberglass rod, which guarantees the high tensile strength. EPDM rubber weather sheds, having excellent dielectric performance and metal end-fittings are crimped directly on to the fiber glass rod.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

경량으로 시공 편리
깨지지 않음
자기 세척 기능
우수한 기계적 특성
고 발수성

FEATURE

Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity

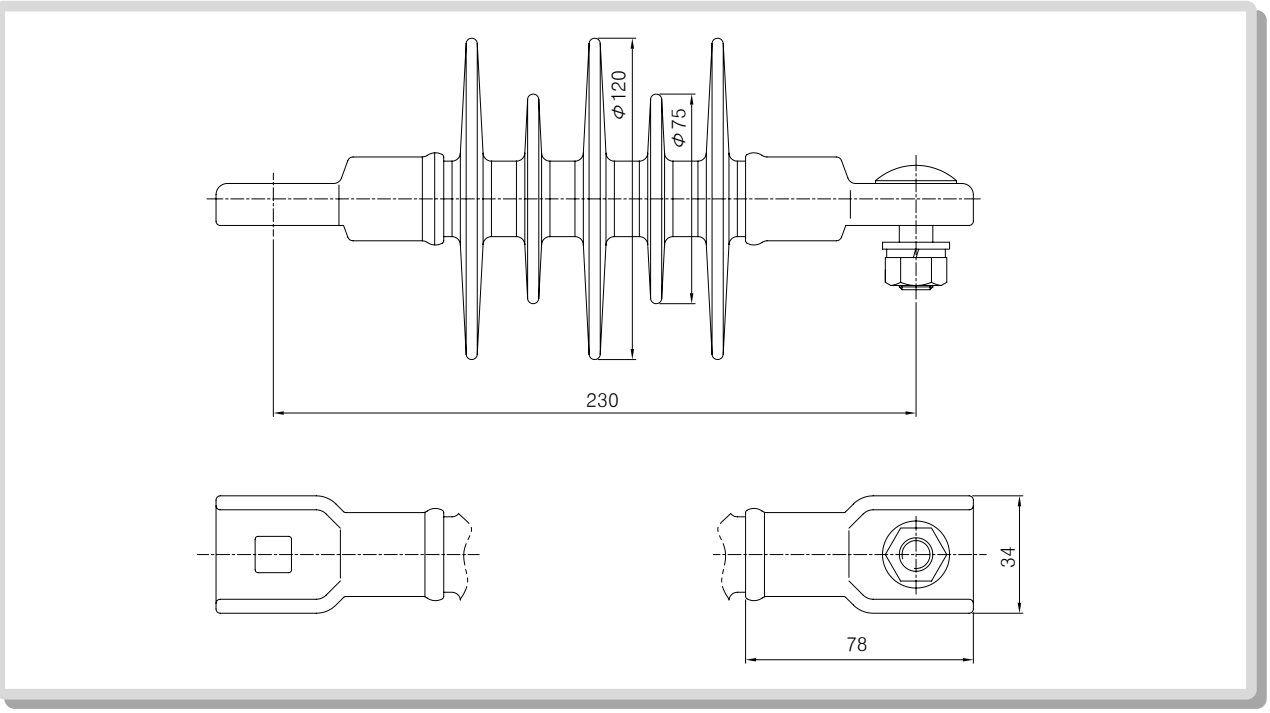
www.pyungil.com

(주) 평일
PYUNGIL Co., Ltd.

경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

내오손 결합애자
POLYMERIC COUPLING INSULATOR

도면 Drawing



정격 / Ratings

ITEM		UNIT	VALUE
Dimension	Section Length	mm	230
	Big Shed Diameter	mm	120
	Small Shed Diameter	mm	75
Electrical Characteristics	Leakage Distance	mm	420
	Withstand Voltage	kV	7
	60Hz Dry FO Voltage (1Min)	kV	42
	Impulse Withstand Voltage (1.2 × 50μs)	kV	125
Mechanical Characteristics	Bending Failing Load	kgf	1,000
	Bending Withstand Load	kgf	100
	Tensile Failing Load	kgf	1,000

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300

Polymeric Line Post Insulator with Universal Clamp

APPLICATION

Polymeric Line Post Insulators made of silicone rubber for distribution line for 15kV~46kV

PYUNGIL polymeric line post insulators with universal clamp for 15~46kV are introduced to cover the weak points of the existing porcelain insulators. The insulators are installed vertically or horizontally on electric pole or structure to hold the overhead wire. Compared with porcelain ones, PYUNGIL polymeric insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also more durable.

The **PYUNGIL** line post insulators are composed of three basic parts of fiberglass rod, which guarantees the high bending strength silicone rubber weather sheds, having excellent dielectric performance and ultra violet resistant characteristics, and metal end fittings swaged directly on to the fiberglass rod.

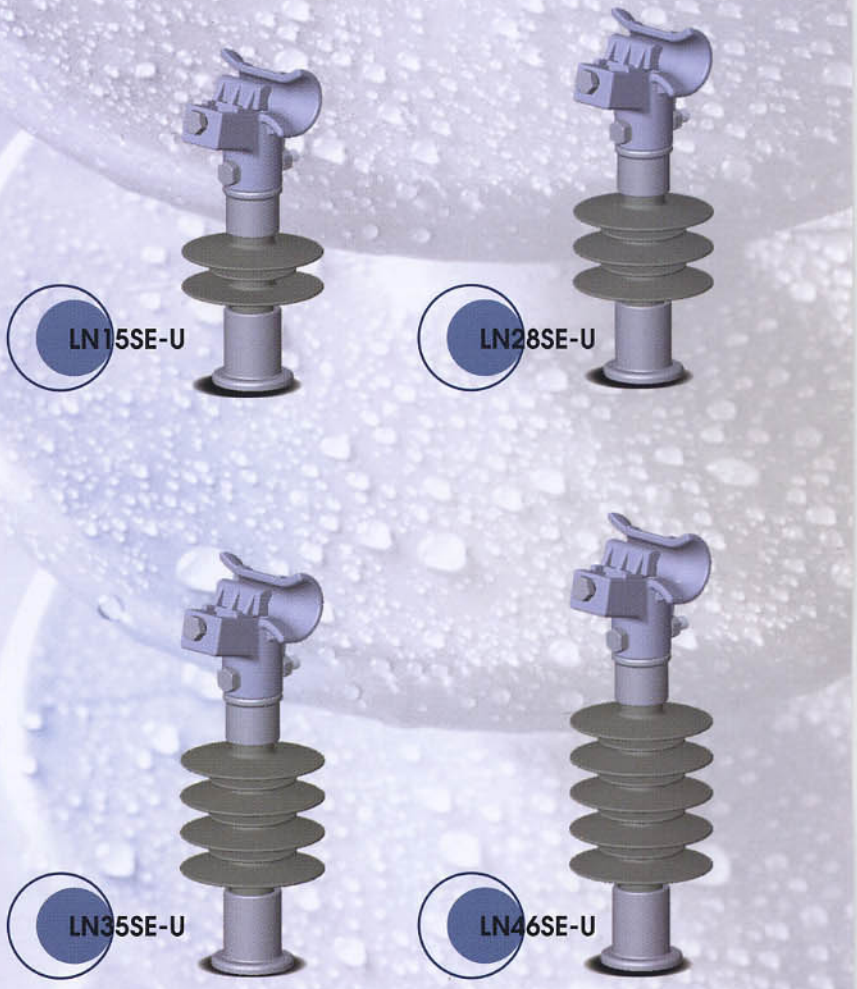
The **PYUNGIL** silicone line post insulators have been designed and tested to meet the requirements of ANSI, IEEE, IEC and CEA LWIWG-02 at Kinectrics Incorporation in Ontario, Canada.

The new design of clamp which accommodates 6.3mm to 34mm diameter of conductor can be separated from the top end-fitting. (patent pending)

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

FEATURE

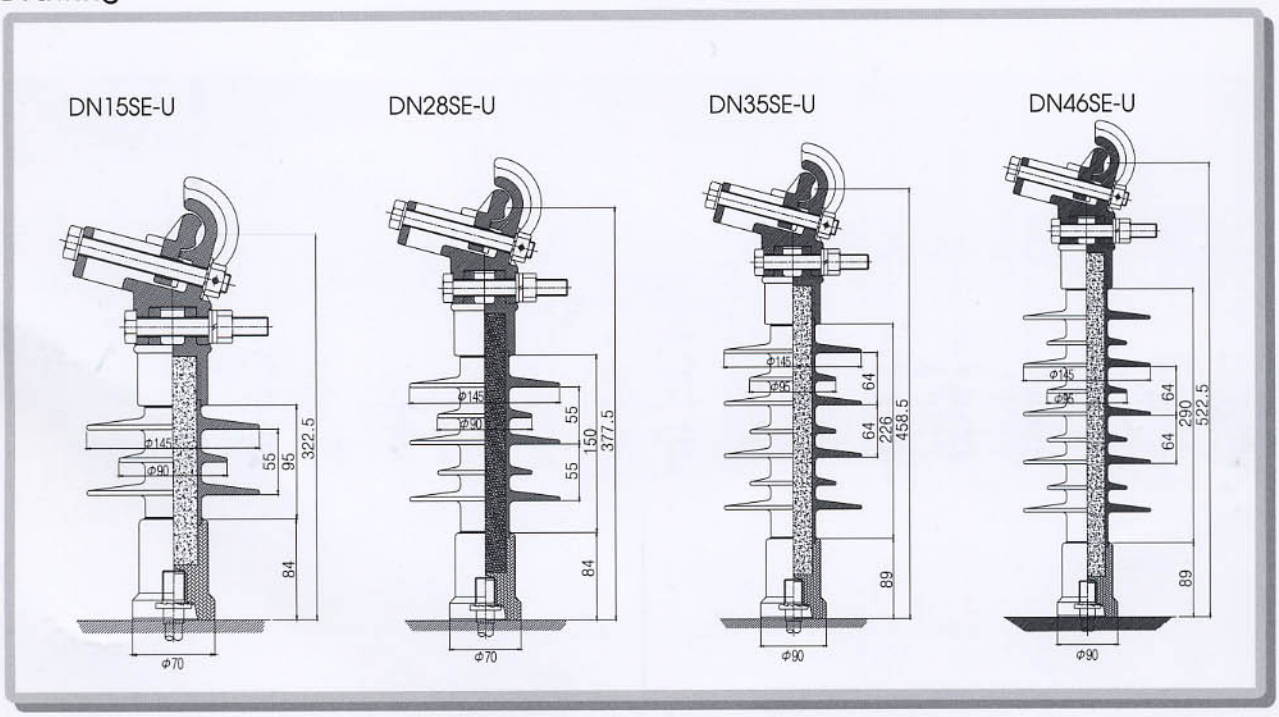
Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity
Wide Range of Conductor Dia.



www.pyungil.com

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

Drawing



Ratings

ITEM		UNIT	DN15SE-U	DN28SE-U	DN35SE-U	DN46SE-U
Rated Voltage		kV	15	25	35	46
Number of Big Sheds			2	3	4	5
Diameter of Big Shed (A)		mm	145	145	145	145
Number of Small Sheds			1	2	3	4
Diameter of Small Shed (B)		mm	90	90	95	95
Section Length (C)		mm	322.5	377.5	458.5	522.5
Insulation Length (D)		mm	95	150	226	290
Leakage Distance		mm	300	420	664	846
Dry Arcing Distance		mm	140	195	283	348
60Hz Dry Flashover Voltage (1Min)		kV	75	95	120	145
60Hz Wet Flashover Voltage (15Sec)		kV	40	75	80	100
Critical Impulse Flashover Voltage	Positive	kV	130	150	180	240
	Negative	kV	155	205	285	350
Radio Influence Voltage		kV	10	15	22	30
Max. Design Cantilever Load(MDCL)		kN	6 (612kgf)			
Specified Cantilever Load(SCL)		kN	12 (1,224kgf)			

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6651~3 FAX : 82-31-424-5900

수평형 라인포스트 애자 Polymeric Horizontal Line Post Insulator

용 도 APPLICATION

전주 또는 구조물에 수평으로 설치되어,
15kV~46kV 특고압 가공 배전선로에
사용하는 폴리머 라인 포스트 (Line Post) 애자

PYUNGIL polymeric horizontal line post insulators for 15~46kV are introduced to cover the weak points of the existing porcelain insulators. The insulators are installed onto the side of electric pole or structure to hold the overhead wire. Compared with porcelain ones, PYUNGIL polymeric insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also durable.

The PYUNGIL line post insulators are composed of three basic parts of fiberglass rod, which guarantees the high bending strength., silicone rubber weather sheds, having excellent dielectric performance and ultra violet resistant characteristics, and metal end fittings crimped directly on to the fiberglass rod. The PYUNGIL silicone line post insulators have been designed and tested to meet the requirements of ANSI, IEEE, IEC and CEA LWIWG-02 at Kinectrics Incorporation in Ontario, Canada.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

경량으로 시공 편리
깨지지 않음
자기 세척 기능
우수한 기계적 특성
고 발수성

FEATURE

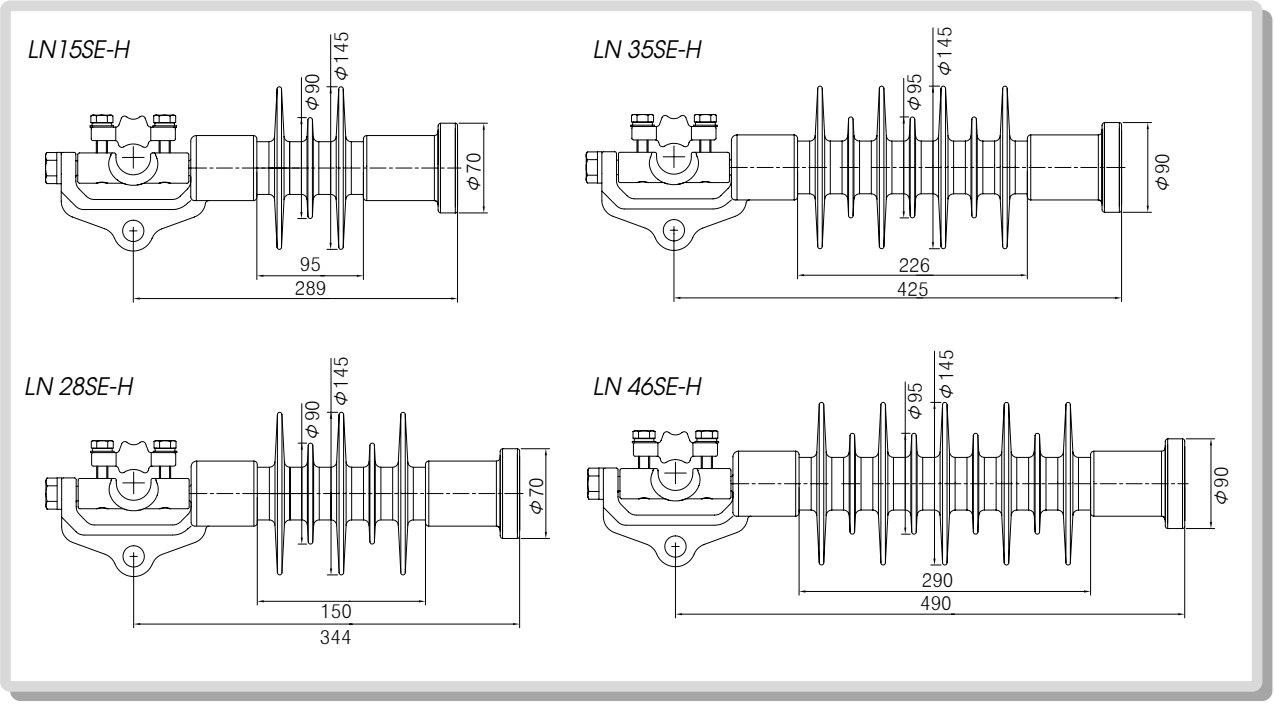
Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity

www.pyungil.com

(주) 평일
PYUNGIL Co., Ltd.
경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

수평형 라인포스트 애자
POLYMERIC HORIZONTAL LINE POST INSULATOR

도면 Drawing



정격 / Ratings

ITEM		UNIT	LN15SE-H	LN28SE-H	LN35SE-H	LN46SE-H
Rated Voltage		kV	15	25	35	46
Number of Big Sheds			2	3	4	5
Diameter of Big Shed (A)		mm	145	145	145	145
Number of Small Sheds			1	2	3	4
Diameter of Small Shed (B)		mm	90	90	95	95
Section Length (C)		mm	289	344	425	490
Insulation Length (D)		mm	95	150	226	290
Leakage Distance		mm	300	420	664	846
Dry Arcing Distance		mm	140	195	283	348
60Hz Dry Flashover Voltage (1Min)		kV	75	95	120	145
60Hz Wet Flashover Voltage (15Sec)		kV	40	75	80	100
Lightning Impulse Flashover Voltage	Positive	kV	130	150	180	240
	Negative	kV	155	205	285	350
Radio Influence Voltage		kV	10	15	22	30
Bending Withstand Load		kN	6 (612kgf)			
Specified Mechanical Load		kN	12 (1,224kgf)			
Specified Bending Load		kN	12 (1,224kgf)			

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300

수직형 라인포스트 애자 Polymeric Vertical Line Post Insulator

용 도 APPLICATION

전주 또는 구조물에 수직으로 설치되어,
15kV~46kV 특고압 가공 배전선로에
사용하는 폴리머 라인 포스트 (Line Post) 애자

PYUNGIL polymeric vertical line post insulators for 15~46kV are introduced to cover the weak points of the existing porcelain insulators. The insulators are mounted and fixed onto the top of electric pole or structure to hold the overhead wire. Compared with porcelain ones, PYUNGIL polymeric insulators are light-weighted, easy to handle, breakage-resistant, free from crack and also durable.

The PYUNGIL line post insulators are composed of three basic parts of fiberglass rod, which guarantees the high bending strength., silicone rubber weather sheds, having excellent dielectric performance and ultra violet resistant characteristics, and metal end fittings crimped directly on to the fiberglass rod. The PYUNGIL silicone line post insulators have been designed and tested to meet the requirements of ANSI, IEEE, IEC and CEA LWIWG-02 at Kinectrics Incorporation in Ontario, Canada.

PYUNGIL insulators are designed and manufactured under the rigid quality compliance of the ISO 9001 quality assurance program.

특 징

경량으로 시공 편리
깨지지 않음
자기 세척 기능
우수한 기계적 특성
고 발수성

FEATURE

Light-weighted, Easy to Handle
Not Breakable
Self-cleaning Function
Excellent Mechanical Strength
High Hydrophobicity

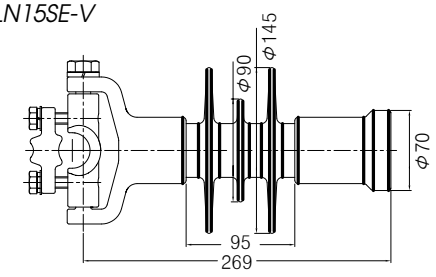
www.pyungil.com

(주) 평일
PYUNGIL Co., Ltd.
경기도 안양시 동안구 관양2동 1475-10번지 평일빌딩
Tel : 031.420.6600 Fax : 031.424.7300

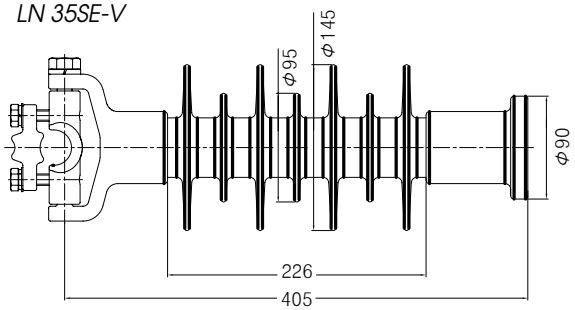
수직형 라인포스트 애자
POLYMERIC VERTICAL LINE POST INSULATOR

도면 Drawing

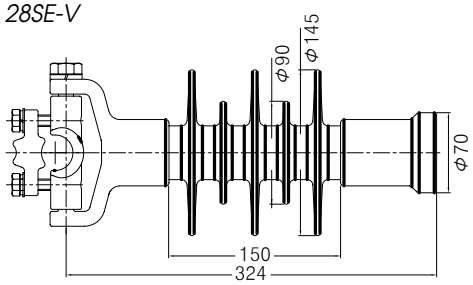
LN15SE-V



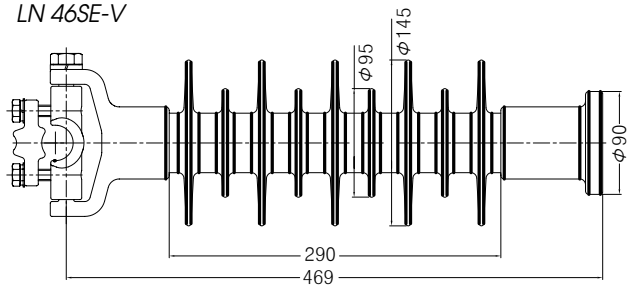
LN 35SE-V



LN 28SE-V



LN 46SE-V



정격 / Ratings

ITEM		UNIT	LN15SE-V	LN28SE-V	LN35SE-V	LN46SE-V
Rated Voltage		kV	15	25	35	46
Number of Big Sheds			2	3	4	5
Diameter of Big Shed (A)		mm	145	145	145	145
Number of Small Sheds			1	2	3	4
Diameter of Small Shed (B)		mm	90	90	95	95
Section Length (C)		mm	269	324	405	470
Insulation Length (D)		mm	95	150	226	290
Leakage Distance		mm	300	420	664	846
Dry Arcing Distance		mm	140	195	283	348
60Hz Dry Flashover Voltage (1Min)		kV	75	95	120	145
60Hz Wet Flashover Voltage (15Sec)		kV	40	75	80	100
Lightning Impulse Flashover Voltage	Positive	kV	130	150	180	240
	Negative	kV	155	205	285	350
Radio Influence Voltage		kV	10	15	22	30
Bending Withstand Load		kN	6 (612kgf)			
Specified Mechanical Load		kN	12 (1,224kgf)			
Specified Bending Load		kN	12 (1,224kgf)			

Electrical and mechanical ratings are based on international industrial standards and do not reflect maximum levels.

PYUNGIL Co., Ltd.
PYUNGIL Bldg., 1475-10, Gwanyang 2-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-808, Korea
Home Page : www.pyungil.com Tel : 82-31-420-6650~3 FAX : 82-31-424-7300