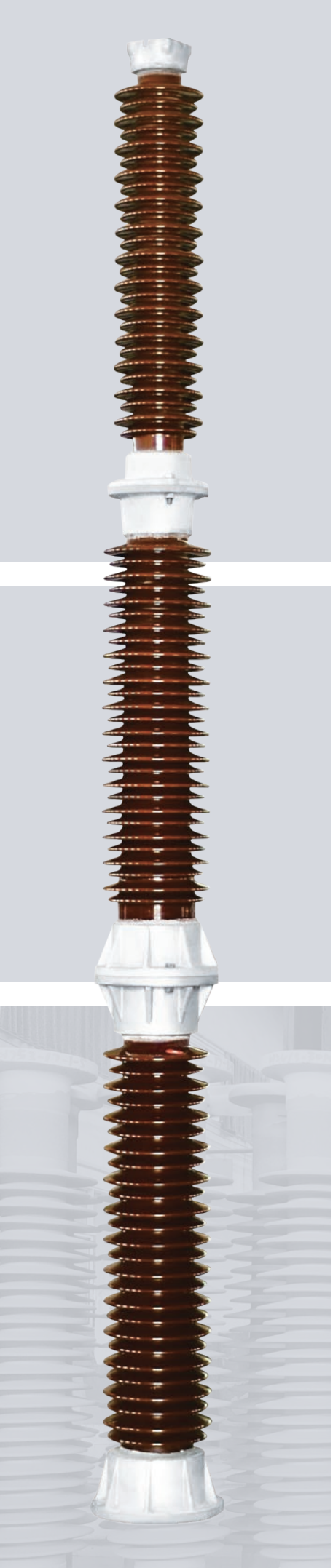

HPK INSULATORS

# HPK Porcelain Solid Core Post Insulators

IEC

**LILING HUAXIN INSULATOR TECHNOLOGY CO.,LTD**

www.hpk-insulators.com

# HPK INSULATORS INTRODUCTION

Liling Huaxin Insulator Technology Co., Ltd is located in Liling city, Hunan province, doing business as HPK INSULATORS.

The company was founded in 1985, has always focused on the research, design, production and sales of leading products in electric porcelain insulator industry, owns the most variety and the largest production quantity of porcelain hollow insulator, together with HPK solid post insulators and composite insulators, Liling HUAXIN has ability to provide solutions for all demands of porcelain and composite insulators.

The company owns 802 emplyees including 8 senior engineers, 80 professional technicians, and covers an area of 350 thousand square meters, the workshop area is around 80 thousand square meters, which includes 75 thousand square meters for porcelain insulators and 4 thousand square meters for composite insulators.

HUAXIN is the key strategic partner of the world leading power grid equipment operators ABB, SIEMENS and GE and the important insulator supplier in their global industrial chains. Further more, the company has supplied many kinds of quality porcelain insulator products to a number of key national transmission and transformation projects in China, such as the "Three Gorges Project", "Lanzhou-Guanting 750kV Transmission and Transformation Demonstration Project", "Southeast Shanxi-Nanyang-Jinmen 1,000kV UHV AC Transmission and Transformation Demonstration Project", etc.

In the past 35 years, over 15 million pieces of Liling Huaxin insulator products have been operating safely on the HV and UHV transmission and transformation lines all over the world, We aspire to provide better quality insulators with more varieties and insulator solutions to serve the domestic and global power by integrating Huaxin worldwide-applied porcelain insulators with 35 years manufacturing experienced transmission line insulators, and high-performance composite insulators; and supported by our excellent specialized service.

① Production Line 1
② Production Line 2
③ Production Line 3
④ Production Line 4
⑤ Production Line 5
⑥ Testing Center 1
⑦ Testing Center 2
⑧ Warehouse

# IEC PORCELAIN STATION POST INSULATORS

HPK offers IEC porcelain station post insulators with various mechanical rating in full accordance with IEC standard. The requirements of insulation are available in ratings from 60 kV to 1950 kV. Moreover, HPK is capable of providing station post insulators with special requirements upon customer request, including all possible shed designs as defined in the IEC 60815, such as alternating shed, plain shed, under rib shed and rain shed, etc.

## Product range

| | | | | | |
|---|---|---|---|---|---|
| Overall height | mm | 190 – 4,400 | Cantilever strength | kN | 4 – 16 |
| Creepage distance | mm | 190 – 11,463.5 | Torsion strength | kN·m | 0.6 - 6 |

## Meet the requirements and tests specified in the following standards

| | |
|---|---|
| IEC 60060-1 | High-voltage test techniques Part1: General definitions and test requirements |
| IEC 60168 | Test on indoor and outdoor post insulators of ceramic material or glass for systems with normal voltages greater than 1000V |
| IEC 60273 | Characteristics of indoor and outdoor post insulators for systems with normal voltages greater than 1000V |
| IEC 60437 | Radio interference test on high-voltage insulators |
| IEC 60507 | Artificial pollution tests on high-voltage insulators to be used on AC systems |
| IEC 60815 | Guide for the selection of insulators in respect of polluted conditions |
| IEC 61245 | Artificial pollution tests on high-voltage insulators to be used on D.C. systems |

# SPECIFICATION

| IEC Type | C4-60 | C6-60 | C8-60 | C10-60 | C6-95 | C6-95 | C6-95 | C6-125 | C8-125 | C10-125 |
|---|---|---|---|---|---|---|---|---|---|---|
| BIL Rating(kV) | 60 | | | | 95 | | | 125 | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 |
| Overall Height(mm) | 190±1 | 190±1 | 190±1 | 190±1 | 255±1 | 255±1 | 255±1 | 305±1 | 305±1 | 305±1 |
| Creepage Distance(mm) | 190 | 190 | 190 | 190 | 385.7 | 385.7 | 385.7 | 507.5 | 527.8 | 527.8 |
| Fitting - Live Line End(mm/Hole pattern) | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 |
| Fitting - Ground/Base(mm/Hole pattern) | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 |
| Torsion Strength(kNm) | 0.6 | 0.6 | 0.8 | 0.8 | 0.8 | 1.2 | 1.2 | 0.8 | 1.2 | 1.2 |
| Power frequency Dry withstand voltage(kV) | 35 | 35 | 35 | 35 | 50 | 50 | 50 | 60 | 60 | 60 |
| Power frequency Wet withstand voltage(kV) | 20 | 20 | 20 | 20 | 38 | 38 | 38 | 50 | 50 | 50 |
| Impulse flashover voltage(kV) | 60 | 60 | 60 | 60 | 95 | 95 | 95 | 125 | 125 | 125 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part | single part | single part | single part | single part | single part | single part |
| HPK Code | 61102 | 62100 | 63100 | 64100 | 62101 | 63101 | 64101 | 62102 | 63102 | 64102 |
| Figure | 1 | | | | 1 | | | 1 | | |

# SPECIFICATION

| IEC Type | C6-150 | C8-150 | C10-150 | C6-170 | C8-170 | C10-170 | C6-200 | C8-200 | C10-200 |
|---|---|---|---|---|---|---|---|---|---|
| BIL Rating(kV) | 150 | | | 170 | | | 200 | | |
| Cantilever Strength(kN) | 6 | 8 | 10 | 6 | 8 | 10 | 6 | 8 | 10 |
| Overall Height(mm) | 355±1 | 355±1 | 355±1 | 445±1 | 445±1 | 445±1 | 475±1 | 475±1 | 475±1 |
| Creepage Distance(mm) | 669.9 | 630 | 609 | 862.75 | 862.75 | 862.75 | 964.25 | 964.25 | 964.25 |
| Fitting - Live Line End(mm/Hole pattern) | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 |
| Fitting - Ground/Base(mm/Hole pattern) | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 | 76/4 x M12 |
| Torsion Strength(kNm) | 1.2 | 1.5 | 1.8 | 1.5 | 2 | 2.5 | 1.8 | 2.0 | 2.0 |
| Power frequency Dry withstand voltage(kV) | 75 | 75 | 75 | 100 | 100 | 100 | 110 | 110 | 110 |
| Power frequency Wet withstand voltage(kV) | 50 | 50 | 50 | 70 | 70 | 70 | 70 | 70 | 70 |
| Impulse flashover voltage(kV) | 150 | 150 | 150 | 170 | 170 | 170 | 200 | 200 | 200 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part | single part | single part | single part | single part | single part |
| HPK Code | 62103 | 63103 | 64103 | 62104 | 63104 | 64104 | 62200 | 63200 | 64200 |
| Figure | 1 | | | 1 | | | 1 | | |

# SPECIFICATION

| IEC Type | C6-250 | C6-250 | C10-250 |
|---|---|---|---|
| BIL Rating(kV) | 250 | | |
| Cantilever Strength(kN) | 6 | 10 | 10 |
| Overall Height(mm) | 560±1 | 560±1 | 560±1 |
| Creepage Distance(mm) | 1218 | 1218 | 1218 |
| Fitting - Live Line End(mm/Hole pattern) | 76/4 x M12 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 76/4 x M12 | 127/4 x M16 | 127/4 x M16 |
| Torsion Strength(kNm) | 2.0 | 3.0 | 3.0 |
| Power frequency Dry withstand voltage(kV) | 135 | 135 | 135 |
| Power frequency Wet withstand voltage(kV) | 95 | 95 | 95 |
| Impulse flashover voltage(kV) | 250 | 250 | 250 |
| Operation flashover voltage(kV) | N/A | N/A | N/A |
| HPK Design | single part | single part | single part |
| HPK Code | 62201 | 64201 | 64201 |
| Figure | 1 | 2 | |

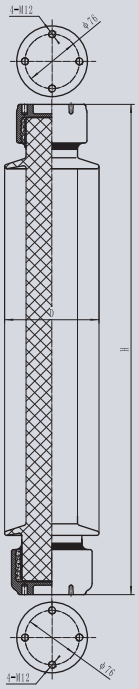

Figure 1

# SPECIFICATION

| IEC Type | C4-325 | C6-325 | C8-325 | C10-325 |
|---|---|---|---|---|
| BIL Rating(kV) | 325 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 770±1 | 770±1 | 770±1 | 770±1 |
| Creepage Distance(mm) | 1624 | 1624 | 1624 | 1624 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Torsion Strength(kNm) | 2 | 2.5 | 3 | 4 |
| Power frequency Dry withstand voltage(kV) | 175 | 175 | 175 | 175 |
| Power frequency Wet withstand voltage(kV) | 140 | 140 | 140 | 140 |
| Impulse flashover voltage(kV) | 325 | 325 | 325 | 325 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part |
| HPK Code | 61300 | 62300 | 63300 | 64300 |
| Figure | 2 | | | |

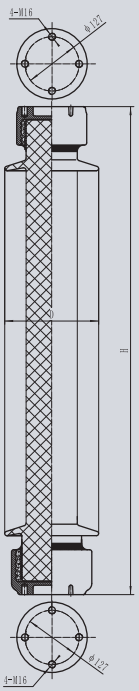

Figure 2

# SPECIFICATION

| IEC Type | C4-450 | C6-450 | C8-450 | C10-450 |
|---|---|---|---|---|
| BIL Rating(kV) | 450 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 1020±1 | 1020±1 | 1020±1 | 1020±1 |
| Creepage Distance(mm) | 2334.5 | 2334.5 | 2334.5 | 2334.5 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Torsion Strength(kNm) | 2.5 | 3.5 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 245 | 245 | 245 | 245 |
| Power frequency Wet withstand voltage(kV) | 185 | 185 | 185 | 185 |
| Impulse flashover voltage(kV) | 450 | 450 | 450 | 450 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part |
| HPK Code | 61404 | 62402 | 63404 | 64402 |
| Figure | 2 | | | |

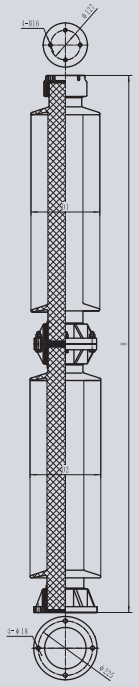

Figure 3.1

# SPECIFICATION

| IEC Type | C4-550 | C6-550 | C8-550 | C10-550 |
|---|---|---|---|---|
| BIL Rating(kV) | 550 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 1220±1 | 1220±1 | 1220±1 | 1220±1 |
| Creepage Distance(mm) | 2943.5 | 2943.5 | 2943.5 | 2943.5 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Torsion Strength(kNm) | 3 | 4 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 300 | 300 | 300 | 300 |
| Power frequency Wet withstand voltage(kV) | 230 | 230 | 230 | 230 |
| Impulse flashover voltage(kV) | 550 | 550 | 550 | 550 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part |
| HPK Code | 61405 | 62403 | 63405 | 64403 |
| Figure | 2 | | | |

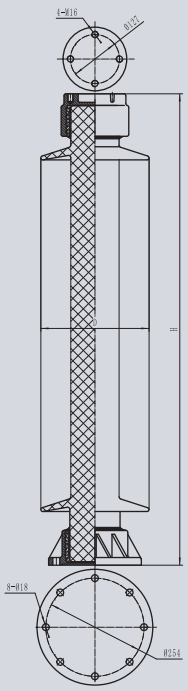

Figure 3

# SPECIFICATION

| IEC Type | C4-650 | C6-650 | C8-650 | C10-650 |
|---|---|---|---|---|
| BIL Rating(kV) | 650 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 1500±2.5 | 1500±2.5 | 1500±2.5 | 1500±2.5 |
| Creepage Distance(mm) | 3400.25 | 3400.25 | 3400.25 | 3400.25 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 254/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 375 | 375 | 375 | 375 |
| Power frequency Wet withstand voltage(kV) | 275 | 275 | 275 | 275 |
| Impulse flashover voltage(kV) | 650 | 650 | 650 | 650 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part |
| HPK Code | 61406 | 62404 | 63406 | 64404 |
| Figure | 2 | | | 3 |

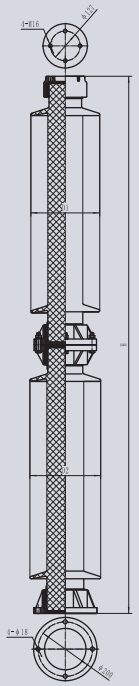

Figure 4

# SPECIFICATION

| IEC Type | C4-750 | C6-750 | C8-750 | C10-750 |
|---|---|---|---|---|
| BIL Rating(kV) | 750 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 1700±2.5 | 1700±2.5 | 1700±2.5 | 1700±2.5 |
| Creepage Distance(mm) | 4364.5 | 4364.5 | 4364.5 | 4060 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 254/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 4 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 410 | 410 | 410 | 410 |
| Power frequency Wet withstand voltage(kV) | 325 | 325 | 325 | 325 |
| Impulse flashover voltage(kV) | 750 | 750 | 750 | 750 |
| Operation flashover voltage(kV) | N/A | N/A | N/A | N/A |
| HPK Design | single part | single part | single part | single part |
| HPK Code | 61500 | 62512 | 63502 | 64500 |
| Figure | 2 | | | 3 |

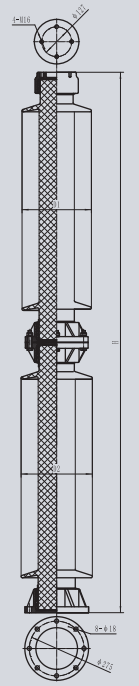

Figure 5.1

# SPECIFICATION

| IEC Type | C4-950 | C6-950 | C8-950 | C10-950 |
|---|---|---|---|---|
| BIL Rating(kV) | 950 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 2100±3.5 | 2100±3.5 | 2100±3.5 | 2100±3.5 |
| Creepage Distance(mm) | 4958.8 | 4958.8 | 4958.8 | 4958.8 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 200/4 x ϕ 18 | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 254/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 490 | 490 | 490 | 490 |
| Power frequency Wet withstand voltage(kV) | 395 | 395 | 395 | 395 |
| Impulse flashover voltage(kV) | 950 | 950 | 950 | 950 |
| Operation flashover voltage(kV) | 750 | 750 | 750 | 750 |
| HPK Design | two parts | two parts | two parts | two parts |
| HPK Code | 61501 | 62513 | 63503 | 64501 |
| Figure | 4 | 3.1 | 5 | |

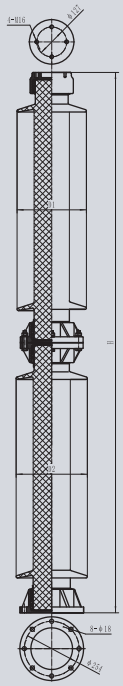

Figure 5

# SPECIFICATION

| IEC Type | C4-1050 | C6-1050 | C8-1050 | C10-1050 |
|---|---|---|---|---|
| BIL Rating(kV) | 1050 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 2300±3.5 | 2300±3.5 | 2300±3.5 | 2300±3.5 |
| Creepage Distance(mm) | 5717.8 | 5717.8 | 5717.8 | 5717.8 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 200/4 x ϕ 18 | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 275/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 3 | 4 |
| Power frequency Dry withstand voltage(kV) | 525 | 525 | 525 | 525 |
| Power frequency Wet withstand voltage(kV) | 460 | 460 | 460 | 460 |
| Impulse flashover voltage(kV) | 1050 | 1050 | 1050 | 1050 |
| Operation flashover voltage(kV) | 750 | 750 | 750 | 750 |
| HPK Design | two parts | two parts | two parts | two parts |
| HPK Code | 61502 | 62514 | 63504 | 64502 |
| Figure | 4 | 3.1 | 5 | 5.1 |

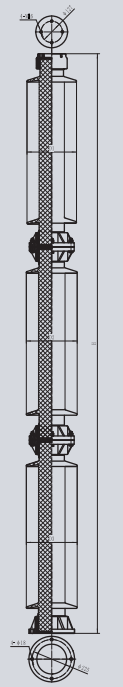

Figure 6

# SPECIFICATION

| IEC Type | C4-1175 | C6-1175 | C8-1175 | C10-1175 |
|---|---|---|---|---|
| BIL Rating(kV) | 1175 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 2650±4.5 | 2650±4.5 | 2650±4.5 | 2650±4.5 |
| Creepage Distance(mm) | 6565 | 6565 | 6565 | 6565 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 254/8 x ϕ 18 | 275/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 585 | 585 | 585 | 585 |
| Power frequency Wet withstand voltage(kV) | 510 | 510 | 510 | 510 |
| Impulse flashover voltage(kV) | 1175 | 1175 | 1175 | 1175 |
| Operation flashover voltage(kV) | 850 | 850 | 850 | 850 |
| HPK Design | three parts | three parts | three parts | three parts |
| HPK Code | 61601 | 62601 | 63601 | 64601 |
| Figure | 6 | 7 | | 7.1 |

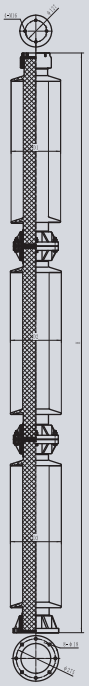

Figure 7.1

# SPECIFICATION

| IEC Type | C4-1300 | C6-1300 | C8-1300 | C10-1300 |
|---|---|---|---|---|
| BIL Rating(kV) | 1300 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 2900±4.5 | 2900±4.5 | 2900±4.5 | 2900±4.5 |
| Creepage Distance(mm) | 7070 | 7070 | 7070 | 7070 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 275/8 x ϕ 18 | 275/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 640 | 640 | 640 | 640 |
| Power frequency Wet withstand voltage(kV) | 570 | 570 | 570 | 570 |
| Impulse flashover voltage(kV) | 1300 | 1300 | 1300 | 1300 |
| Operation flashover voltage(kV) | 950 | 950 | 950 | 950 |
| HPK Design | three parts | three parts | three parts | three parts |
| HPK Code | 61602 | 62602 | 63602 | 64602 |
| Figure | 6 | 7 | 7.1 | |

Figure 7

# SPECIFICATION

| IEC Type | C4-1425 | C6-1425 | C8-1425 | C10-1425 |
|---|---|---|---|---|
| BIL Rating(kV) | 1425 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 3150±4.5 | 3150±4.5 | 3150±4.5 | 3150±4.5 |
| Creepage Distance(mm) | 7878 | 7878 | 7878 | 7878 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 275/8 x ϕ 18 | 300/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 695 | 695 | 695 | 695 |
| Power frequency Wet withstand voltage(kV) | 630 | 630 | 630 | 630 |
| Impulse flashover voltage(kV) | 1425 | 1425 | 1425 | 1425 |
| Operation flashover voltage(kV) | 950 | 950 | 950 | 950 |
| HPK Design | three parts | three parts | three parts | three parts |
| HPK Code | 61600 | 62600 | 63600 | 64600 |
| Figure | 6 | 7 | 7.1 | 8 |

Figure 8

# SPECIFICATION

| IEC Type | C4-1550 | C6-1550 | C8-1550 | C10-1550 |
|---|---|---|---|---|
| BIL Rating(kV) | 1550 | | | |
| Cantilever Strength(kN) | 4 | 6 | 8 | 10 |
| Overall Height(mm) | 3350±4.5 | 3350±4.5 | 3350±4.5 | 3350±4.5 |
| Creepage Distance(mm) | 8585 | 8585 | 8585 | 8585 |
| Fitting - Live Line End(mm/Hole pattern) | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 | 127/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 225/4 x ϕ 18 | 254/8 x ϕ 18 | 275/8 x ϕ 18 | 300/8 x ϕ 18 |
| Torsion Strength(kNm) | 3 | 3 | 4 | 4 |
| Power frequency Dry withstand voltage(kV) | 740 | 740 | 740 | 740 |
| Power frequency Wet withstand voltage(kV) | 680 | 680 | 680 | 680 |
| Impulse flashover voltage(kV) | 1550 | 1550 | 1550 | 1550 |
| Operation flashover voltage(kV) | 1050 | 1050 | 1050 | 1050 |
| HPK Design | three parts | three parts | three parts | three parts |
| HPK Code | 61603 | 62603 | 63603 | 64603 |
| Figure | 6 | 7 | 7.1 | 8 |

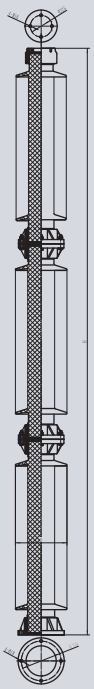

Figure 9.1

# SPECIFICATION

| IEC Type | C8-1800 | C10-1800 | C12.5-1800 | C16-1800 |
|---|---|---|---|---|
| BIL Rating(kV) | 1800 | | | |
| Cantilever Strength(kN) | 8 | 10 | 12.5 | 16 |
| Overall Height(mm) | 4000±5.5 | 4000±5.5 | 4000±5.5 | 4000±5.5 |
| Creepage Distance(mm) | 10352.5 | 10352.5 | 10352.5 | 10352.5 |
| Fitting - Live Line End(mm/Hole pattern) | 225/4 x M16 | 225/4 x M16 | 225/4 x M16 | 225/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 300/4 x ϕ 18 | 325/8 x ϕ 18 | 356/8 x ϕ 18 | 356/8 x ϕ 18 |
| Torsion Strength(kNm) | 4 | 4 | 6 | 6 |
| Power frequency Dry withstand voltage(kV) | N/A | N/A | N/A | N/A |
| Power frequency Wet withstand voltage(kV) | N/A | N/A | N/A | N/A |
| Impulse flashover voltage(kV) | 1800 | 1800 | 1800 | 1800 |
| Operation flashover voltage(kV) | 1175 | 1175 | 1175 | 1175 |
| HPK Design | three parts | three parts | three parts | three parts |
| HPK Code | 63700 | 64700 | 64701 | 65700 |
| Figure | 9.1 | 10 | 10.1 | |

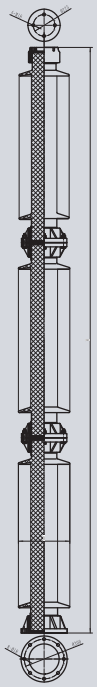

Figure 9

# SPECIFICATION

| IEC Type | C8-1950 | C10-1950 | C12.5-1950 |
|---|---|---|---|
| BIL Rating(kV) | 1950 | | |
| Cantilever Strength(kN) | 8 | 10 | 12.5 |
| Overall Height(mm) | 4400±5.5 | 4400±5.5 | 4400±5.5 |
| Creepage Distance(mm) | 11463.5 | 11463.5 | 11463.5 |
| Fitting - Live Line End(mm/Hole pattern) | 225/4 x M16 | 225/4 x M16 | 225/4 x M16 |
| Fitting - Ground/Base(mm/Hole pattern) | 300/8 x ϕ 18 | 325/8 x ϕ 18 | 356/8 x ϕ 18 |
| Torsion Strength(kNm) | 4 | 4 | 6 |
| Power frequency Dry withstand voltage(kV) | N/A | N/A | N/A |
| Power frequency Wet withstand voltage(kV) | N/A | N/A | N/A |
| Impulse flashover voltage(kV) | 1950 | 1950 | 1950 |
| Operation flashover voltage(kV) | 1300 | 1300 | 1300 |
| HPK Design | three parts | three parts | three parts |
| HPK Code | 63701 | 64702 | 64703 |
| Figure | 9 | 10 | 10.1 |

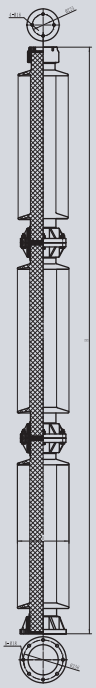

Figure 10.1

Figure 10

HPK
INSULATORS

## LILING HUAXIN INSULATOR TECHNOLOGY CO.,LTD

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E-mail: info@hpk-insulators.com

**THE WORLD LARGEST PORCELAIN INSULATOR** 1100kV AC

H: 12m (39 ft)

Creep: 27m

Max. OD: 0.885m