



**Polymer Tension & Suspension Insulator**

A silicone polymer tension/suspension insulator mainly consists of a core rod (ECR type or FRP type), silicone rubber housing and metal end fittings. WINNING® is producing and exporting tension and suspension insulators from 10kV to 765kV with various core rod sizes for distribution and transmission systems. (We HAVE exported 220kV, 330kV, 400kV, 500kV, 765kV insulators)

**Core Rod-** Made of high-quality Pultruded Epoxy Fiberglass Rod (FRP and ECR Types).

**End Fittings-** #45 Forged Steel or Ductile Iron, Hot Dip Galvanized, then directly crimp to the core rod through a circumferential crimping process to achieve better performance.

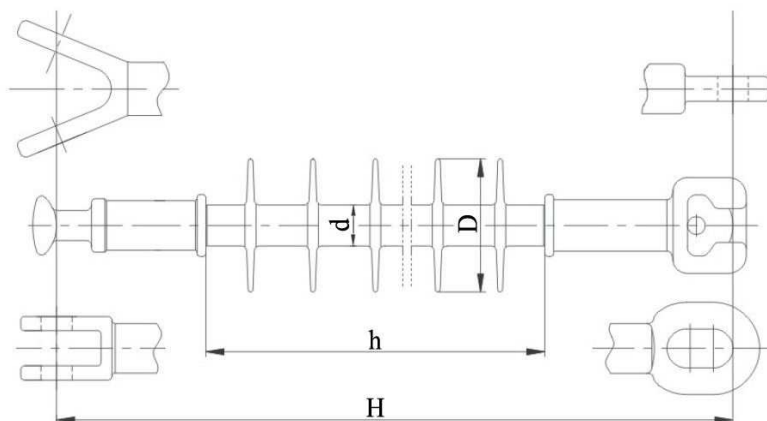
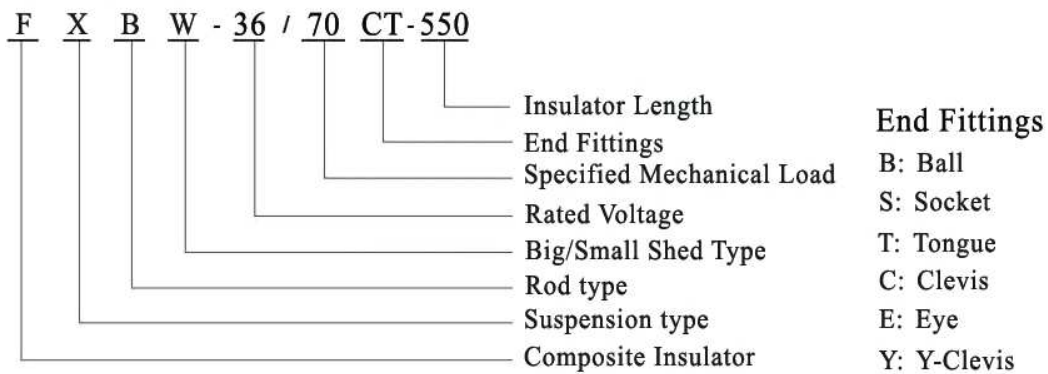
**Housing to Core-** They are Chemically Bonded and the interface strength between the housing and core is higher than the tearing strength of housing itself.

**Silicone Rubber Housing-** HTV Silicone Rubber; made of high quality raw materials.

**Corona/Grade Ring-** Made of High-Grade Aluminum Alloy, suitable for (above) 110kV insulators.

**Sealing-** Juncture between end fitting and Core rod is totally embedded in HTV silicon rubber, eliminating conventional and traditional sealing defects. (The other type is available that use RTV Silicone Sealant to seal the juncture between end fitting and core rod.)

**Product Model Definition**



**FIGURE 1**  
**For Type 1**  
**Datasheet**



**10 to 35kV Polymer Suspension Insulator; Type 1**

| Model                   | Rated Voltage (kV) | SML (kN)  | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D (mm) | Power Freq. Wet Withstand Voltage (kV); ≥ | Lightning Impulse Withstand Voltage (kV); ≥ | Weight (kg) |
|-------------------------|--------------------|-----------|-----------------------|-----------------------|------------------|---|---|-------------|
| <b>FXB1-12/70CT-355</b> | <b>12</b>          | <b>70</b> | <b>185</b>            | <b>420</b>            | <b>Φ96</b>       | <b>55</b>                                 | <b>100</b>                                  | <b>1.12</b> |
| <b>FXB1-24/70CT-445</b> | <b>24</b>          | <b>70</b> | <b>285</b>            | <b>625</b>            | <b>Φ96</b>       | <b>90</b>                                 | <b>170</b>                                  | <b>1.35</b> |
| <b>FXB1-33/70CT-545</b> | <b>33</b>          | <b>70</b> | <b>350</b>            | <b>810</b>            | <b>Φ96</b>       | <b>110</b>                                | <b>200</b>                                  | <b>1.65</b> |
| FXB1-10/70CT-325        | 10                 | 70        | 170                   | 340                   | Φ75              | 55  | 95  | 1.07        |
| FXB1-10/70CT-360        | 10                 | 70        | 205                   | 420                   | Φ75              | 55  | 100   | 1.12        |
| FXB1-10/70BS-325        | 10                 | 70        | 170                   | 340                   | Φ75              | 55  | 95  | 1.15        |
| FXB2-15/70CT-325        | 15                 | 70        | 185                   | 430                   | Φ98              | 55  | 100   | 1.14        |
| FXB5-15/70CT-455        | 15                 | 70        | 195                   | 440                   | Φ90              | 65  | 100   | 1.18        |
| FXB5-15/70BS-450        | 15                 | 70        | 195                   | 440                   | Φ90              | 65  | 100   | 1.25        |
| FXB2-15/70CT-360        | 15                 | 70        | 220                   | 535                   | Φ98              | 65  | 115   | 1.21        |
| FXB2-15/70CT-335        | 15                 | 70        | 190                   | 440                   | Φ98              | 65  | 100   | 1.14        |
| FXB2-15/70BS-325        | 15                 | 70        | 188                   | 430                   | Φ98              | 65  | 100   | 1.22        |
| FXB2-15/40BS-326        | 15                 | 40        | 220                   | 535                   | Φ98              | 65  | 115   | 0.98        |
| FXB2-15/70EE-351        | 15                 | 70        | 200                   | 440                   | Φ98              | 65  | 115   | 1.20        |
| FXB-15/70CE-379         | 15                 | 70        | 222                   | 535                   | Φ98              | 65  | 115   | 1.31        |
| FXB3-15/70CT-340        | 15                 | 70        | 210                   | 420                   | Φ98              | 65  | 125   | 1.28        |
| FXB3-15/100CT-366       | 15                 | 100       | 210                   | 420                   | Φ98              | 65  | 125   | 1.77        |
| FXB3-15/70BS-330        | 15                 | 70        | 210                   | 420                   | Φ98              | 65  | 125   | 1.32        |
| FXB3-15/100BS-363       | 15                 | 100       | 210                   | 420                   | Φ98              | 65  | 125   | 1.61        |
| FXB3-15/70EE-340        | 15                 | 70        | 210                   | 420                   | Φ98              | 65  | 125   | 1.29        |
| FXB5-15/70CT-320        | 15                 | 70        | 180                   | 447                   | Φ100             | 55  | 125   | 1.23        |
| FXB5-15/70BS-310        | 15                 | 70        | 180                   | 447                   | Φ100             | 55  | 125   | 1.27        |
| FXB5-15/70EE-326        | 15                 | 70        | 180                   | 447                   | Φ100             | 55  | 125   | 1.24        |
| FXB5-15/70CT-320        | 15                 | 70        | 180                   | 447                   | Φ100             | 55  | 125   | 1.08        |
| FXB1-24/70CT-395        | 24                 | 70        | 240                   | 505                   | Φ75              | 65  | 145   | 1.16        |
| FXB1-24/70CT-465        | 24                 | 70        | 310                   | 667                   | Φ75              | 85  | 170   | 1.25        |
| FXB1-24/70CE-414        | 24                 | 70        | 240                   | 505                   | Φ75              | 65  | 145   | 1.26        |
| FXB1-24/70CE-449        | 24                 | 70        | 275                   | 587                   | Φ75              | 65  | 145   | 1.30        |
| FXB5-24/70CT-428        | 24                 | 70        | 270                   | 650                   | Φ90              | 90  | 170   | 1.20        |
| FXB5-24/70BS-415        | 24                 | 70        | 270                   | 650                   | Φ90              | 90  | 170   | 1.24        |
| FXB2-24/70CT-450        | 24                 | 70        | 307                   | 760                   | Φ98              | 85  | 170   | 1.36        |
| FXB2-24/70CT-485        | 24                 | 70        | 341                   | 867                   | Φ98              | 90  | 200   | 1.43        |
| FXB2-24/70BS-360        | 24                 | 70        | 260                   | 637                   | Φ98              | 65  | 145   | 1.05        |
| FXB2-24/70BS-430        | 24                 | 70        | 292                   | 743                   | Φ98              | 90  | 180   | 1.44        |

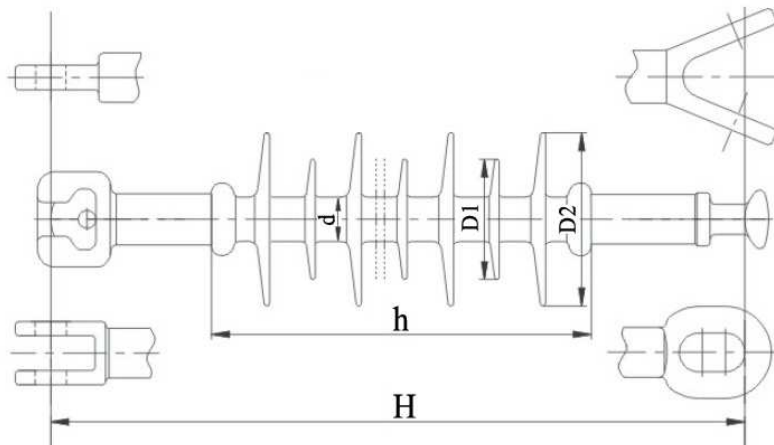


|                   |    |     |     |      |      |    |     |      |
|-------------------|----|-----|-----|------|------|----|-----|------|
| FXB2-24/70BS-415  | 24 | 70  | 272 | 658  | Φ98  | 80 | 150 | 1.37 |
| FXB2-24/70BS-450  | 24 | 70  | 307 | 760  | Φ98  | 90 | 180 | 1.44 |
| FXB2-24/70EE-446  | 24 | 70  | 293 | 740  | Φ98  | 80 | 170 | 1.38 |
| FXB2-24/70EE-431  | 24 | 70  | 272 | 658  | Φ98  | 65 | 145 | 1.34 |
| FXB2-24/70EE-466  | 24 | 70  | 307 | 760  | Φ98  | 80 | 170 | 1.41 |
| FXB3-24/70CT-442  | 24 | 70  | 308 | 654  | Φ98  | 80 | 170 | 1.48 |
| FXB3-24/70BS-432  | 24 | 70  | 308 | 654  | Φ98  | 80 | 170 | 1.50 |
| FXB3-24/70EE-442  | 24 | 70  | 308 | 654  | Φ98  | 80 | 170 | 1.47 |
| FXB4-24/70CT-398  | 24 | 70  | 252 | 695  | Φ100 | 80 | 150 | 1.35 |
| FXB4-24/70CT-452  | 24 | 70  | 292 | 707  | Φ100 | 80 | 170 | 1.45 |
| FXB4-24/70CT-486  | 24 | 70  | 340 | 822  | Φ100 | 85 | 200 | 1.52 |
| FXB4-24/70BS-389  | 24 | 70  | 252 | 595  | Φ100 | 70 | 150 | 1.39 |
| FXB4-24/70BS-476  | 24 | 70  | 340 | 822  | Φ100 | 85 | 200 | 1.54 |
| FXB4-24/70EE-442  | 24 | 70  | 296 | 707  | Φ98  | 80 | 170 | 1.44 |
| FXB4-24/70EE-486  | 24 | 70  | 240 | 822  | Φ98  | 85 | 200 | 1.51 |
| FXB5-24/70CT-470  | 24 | 70  | 320 | 790  | Φ100 | 80 | 185 | 1.50 |
| FXB5-24/70BS-422  | 24 | 70  | 290 | 770  | Φ100 | 80 | 170 | 1.49 |
| FXB5-24/70ST-431  | 24 | 70  | 290 | 770  | Φ100 | 80 | 170 | 1.58 |
| FXB2-33/70CT-500  | 33 | 70  | 360 | 950  | Φ98  | 80 | 200 | 1.47 |
| FXB2-33/70BS-500  | 33 | 70  | 360 | 950  | Φ98  | 80 | 200 | 1.55 |
| FXB2-33/70EE-516  | 33 | 70  | 360 | 950  | Φ98  | 80 | 200 | 1.57 |
| FXB5-33/70CT-530  | 33 | 70  | 390 | 1005 | Φ100 | 80 | 200 | 1.66 |
| FXB5-33/100BS-553 | 33 | 100 | 390 | 1005 | Φ100 | 80 | 200 | 1.95 |
| FXB1-36/70CT-535  | 36 | 70  | 380 | 830  | Φ75  | 95 | 230 | 1.35 |
| FXB1-36/70CT-570  | 36 | 70  | 416 | 912  | Φ75  | 95 | 230 | 1.40 |
| FXB1-36/70BS-535  | 36 | 70  | 381 | 830  | Φ75  | 95 | 230 | 1.43 |
| FXB1-36/70BS-570  | 36 | 70  | 416 | 912  | Φ75  | 95 | 230 | 1.48 |
| FXB1-36/70EE-551  | 36 | 70  | 381 | 830  | Φ75  | 95 | 230 | 1.40 |
| FXB5-36/70CT-495  | 36 | 70  | 340 | 830  | Φ90  | 95 | 200 | 1.55 |
| FXB5-36/70BS-485  | 36 | 70  | 340 | 830  | Φ90  | 95 | 200 | 1.53 |
| FXB2-36/70CT-535  | 36 | 70  | 399 | 1050 | Φ98  | 95 | 230 | 1.52 |
| FXB2-36/70CT-570  | 36 | 70  | 434 | 1154 | Φ98  | 95 | 230 | 1.59 |
| FXB2-36/70BS-500  | 36 | 70  | 364 | 950  | Φ98  | 95 | 200 | 1.55 |
| FXB2-36/70BS-535  | 36 | 70  | 399 | 1050 | Φ98  | 95 | 230 | 1.60 |
| FXB2-36/70BS-570  | 36 | 70  | 434 | 1154 | Φ98  | 95 | 230 | 1.67 |
| FXB2-36/70EE-516  | 36 | 70  | 363 | 950  | Φ98  | 95 | 200 | 1.57 |
| FXB3-36/70CT-550  | 36 | 70  | 415 | 902  | Φ98  | 95 | 210 | 1.69 |
| FXB3-36/100CT-562 | 36 | 100 | 400 | 876  | Φ98  | 95 | 210 | 2.14 |
| FXB3-36/70BS-550  | 36 | 70  | 415 | 902  | Φ98  | 95 | 210 | 1.71 |
| FXB3-36/120BS-583 | 36 | 120 | 415 | 902  | Φ98  | 95 | 210 | 2.01 |



|                  |    |    |     |      |      |    |     |      |
|------------------|----|----|-----|------|------|----|-----|------|
| FXB3-36/70EE-560 | 36 | 70 | 415 | 902  | Φ98  | 95 | 210 | 1.68 |
| FXB4-36/70CT-530 | 36 | 70 | 384 | 935  | Φ100 | 95 | 210 | 1.61 |
| FXB4-36/70BS-520 | 36 | 70 | 384 | 800  | Φ100 | 95 | 200 | 1.63 |
| FXB4-36/70BS-548 | 36 | 70 | 405 | 960  | Φ100 | 95 | 210 | 1.65 |
| FXB4-36/70EE-530 | 36 | 70 | 384 | 935  | Φ100 | 95 | 200 | 1.60 |
| FXB-36/70CT-550  | 36 | 70 | 389 | 1025 | Φ100 | 95 | 230 | 1.67 |
| FXB5-36/70BS-540 | 36 | 70 | 389 | 1025 | Φ100 | 95 | 230 | 1.69 |

Length and Leakage distance as well as end fittings can be changed according to requirements.

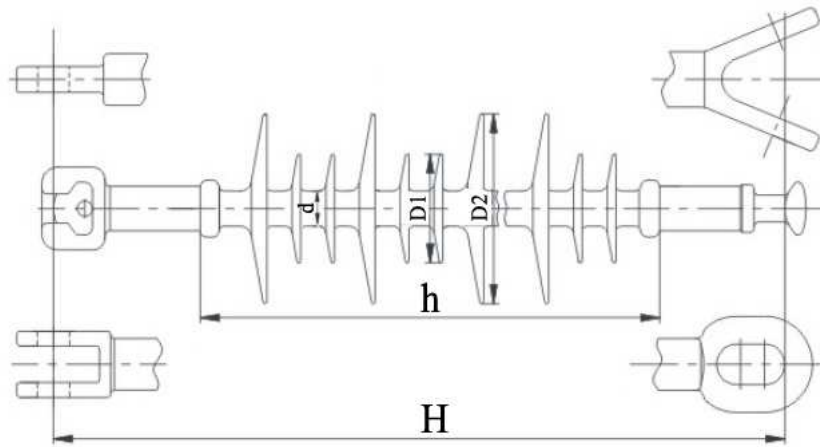


| Model             | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D1/D2 (mm) | Power Freq. Wet Withstand Voltage (kV); ≥ | Lightning Impulse Withstand Voltage (kV); ≥ | Weight (kg) |
|-------------------|-----------------|----------|-----------------------|-----------------------|----------------------|---|---|-------------|
| FXBW4-10/70BS-365 | 10              | 70       | 175                   | 420                   | 85/115               | 55  | 125   | 1.35        |
| FXBW4-24/70BS-438 | 24              | 70       | 290                   | 660                   | 110/132              | 65  | 170   | 1.45        |
| FXBW4-33/70BS-515 | 33              | 70       | 370                   | 900                   | 110/132              | 95  | 200   | 1.63        |
| FXBW-10/70CT-370  | 10              | 70       | 245                   | 600                   | 68/98                | 55  | 125   | 1.38        |
| FXBW-10/70CT-318  | 10              | 70       | 178                   | 450                   | 68/98                | 55  | 125   | 1.26        |
| FXBW-10/70BS-370  | 10              | 70       | 245                   | 600                   | 68/98                | 55  | 125   | 1.40        |
| FXBW-10/70TT-376  | 10              | 70       | 245                   | 600                   | 68/98                | 55  | 125   | 1.40        |
| FXBW-10/70CB-370  | 10              | 70       | 245                   | 600                   | 68/98                | 55  | 125   | 1.29        |
| FXBW-24/70CT-422  | 24              | 70       | 300                   | 750                   | 68/98                | 55  | 170   | 1.47        |
| FXBW-24/120CT-454 | 24              | 120      | 300                   | 750                   | 68/98                | 55  | 170   | 2.00        |
| FXBW-24/70BS-422  | 24              | 70       | 300                   | 750                   | 68/98                | 55  | 170   | 1.49        |
| FXBW-24/120BS-451 | 24              | 120      | 300                   | 750                   | 68/98                | 55  | 170   | 1.79        |
| FXBW-25/70CT-358  | 25              | 70       | 228                   | 545                   | 68/98                | 55  | 125   | 1.32        |
| FXBW-25/80BS-348  | 25              | 80       | 228                   | 545                   | 68/98                | 55  | 125   | 1.36        |
| FXBW-25/80EE-358  | 25              | 80       | 228                   | 545                   | 68/98                | 55  | 125   | 1.33        |

Length and Leakage distance as well as end fittings can be changed according to requirements.

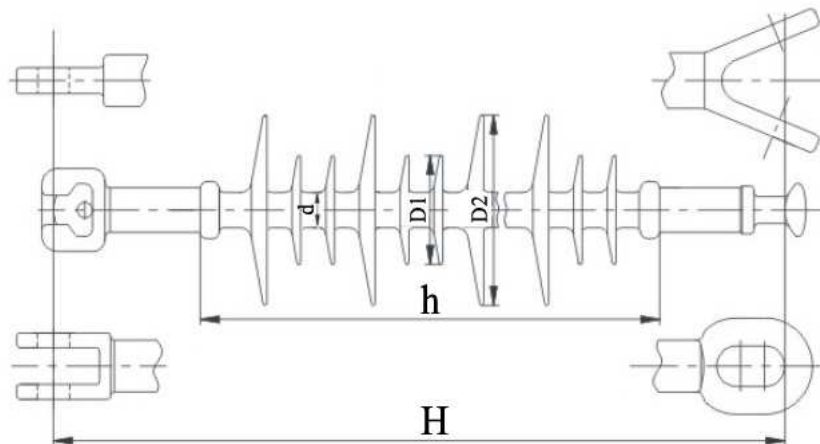


**35kV Polymer Suspension Insulator; Type 3**



| Model              | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D1/D2 (mm) | Power Freq. Wet Withstand Voltage (kV); $\geq$ | Lightning Impulse Withstand Voltage (kV); $\geq$ | Weight (kg) |
|--------------------|-----------------|----------|-----------------------|-----------------------|----------------------|--|--|-------------|
| FXBW3-27/120CT-714 | 27              | 120      | 564                   | 1615                  | 80/140               | 95   | 230  | 2.89        |
| FXBW3-27/120BS-710 | 27              | 120      | 564                   | 1615                  | 80/140               | 95   | 230  | 2.68        |
| FXBW3-27/120EE-762 | 27              | 120      | 564                   | 1615                  | 80/140               | 95   | 230  | 3.31        |
| FXBW3-35/70BS-660  | 35              | 70       | 525                   | 1465                  | 80/140               | 95   | 230  | 2.26        |
| FXBW3-35/100BS-660 | 35              | 100      | 510                   | 1465                  | 80/140               | 95   | 230  | 2.52        |
| FXBW3-35/100BS-638 | 35              | 100      | 475                   | 1390                  | 80/140               | 95   | 230  | 2.47        |

**69kV to 172kV Composite / Polymer Suspension Insulator**



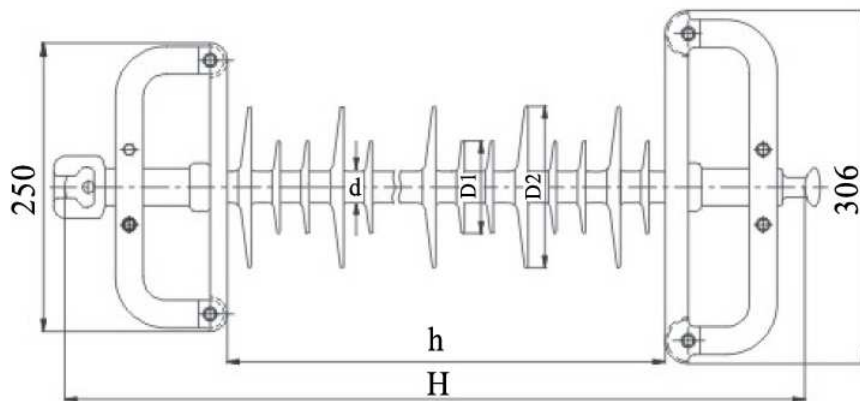


| Model                | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D1/D2 (mm) | Power Freq. Wet Withstand Voltage (kV); ≥ | Lightning Impulse Withstand Voltage (kV); ≥ | Weight (kg) |
|----------------------|-----------------|----------|-----------------------|-----------------------|----------------------|---|---|-------------|
| FNB4-66/70BS-930     | 66              | 70       | 750                   | 2250                  | 110/140              | 185                                       | 410   | 2.95        |
| FNB4-66/100BS-950    | 66              | 100      | 750                   | 2250                  | 110/140              | 185                                       | 410   | 3.05        |
| FNB4-132/70BS-1385   | 132             | 70       | 1280                  | 3150                  | 113/143              | 320                                       | 650   | 4.90        |
| FNB4-132/120BS-1395  | 132             | 70       | 1280                  | 3150                  | 113/143              | 320                                       | 650   | 5.05        |
| FXBW3-66/70BS-880    | 66              | 70       | 780                   | 2408                  | 80/140               | 185                                       | 410   | 3.07        |
| FXBW3-66/70BS-945    | 66              | 70       | 830                   | 2565                  | 80/140               | 185                                       | 410   | 3.18        |
| FXBW3-66/70BS-880    | 66              | 70       | 880                   | 2513                  | 80/140               | 185                                       | 410   | 3.48        |
| FXBW3-66/100BS-870   | 66              | 100      | 725                   | 2215                  | 80/140               | 185                                       | 410   | 3.18        |
| FXBW3-66/100BS-795   | 66              | 100      | 635                   | 1995                  | 80/140               | 185                                       | 410   | 2.97        |
| FXBW3-66/120BS-940   | 66              | 120      | 798                   | 2388                  | 80/140               | 185                                       | 410   | 3.38        |
| FXBW3-66/120CE-885   | 66              | 120      | 680                   | 2030                  | 80/140               | 185                                       | 410   | 3.66        |
| FXBW3-110/70BS-1185  | 110             | 70       | 1070                  | 3390                  | 80/140               | 230                                       | 550   | 4.15        |
| FXBW3-110/70BS-1240  | 110             | 70       | 1125                  | 3590                  | 80/140               | 230                                       | 550   | 4.34        |
| FXBW3-110/100BS-1180 | 110             | 100      | 1038                  | 3262                  | 80/140               | 230                                       | 550   | 4.09        |
| FXBW3-110/100BS-1240 | 110             | 100      | 1099                  | 3516                  | 80/140               | 230                                       | 550   | 4.38        |
| FXBW3-110/100BS-1360 | 110             | 100      | 1214                  | 3833                  | 80/140               | 230                                       | 550   | 4.58        |
| FXBW3-110/100BS-1440 | 110             | 100      | 1294                  | 4109                  | 80/140               | 230                                       | 550   | 4.81        |
| FXBW3-110/120BS-1180 | 110             | 120      | 1035                  | 3260                  | 80/140               | 230                                       | 550   | 4.20        |
| FXBW3-110/120BS-1240 | 110             | 120      | 1099                  | 3515                  | 80/140               | 230                                       | 550   | 4.30        |
| FXBW3-110/120EE-1294 | 110             | 120      | 1105                  | 3515                  | 80/140               | 230                                       | 550   | 5.02        |
| FXBW3-110/120TB-1312 | 110             | 120      | 1235                  | 3990                  | 80/140               | 230                                       | 550   | 5.02        |
| FXBW3-132/120BS-1306 | 132             | 120      | 1189                  | 3858                  | 80/140               | 320                                       | 650   | 4.30        |
| FXBW3-132/120BS-1480 | 132             | 120      | 1363                  | 4465                  | 80/140               | 320                                       | 650   | 5.19        |
| FXBW3-132/120BS-1670 | 132             | 120      | 1470                  | 4695                  | 80/140               | 320                                       | 650   | 5.40        |
| FXBW3-132/120BS-1745 | 132             | 120      | 1630                  | 5360                  | 80/140               | 320                                       | 650   | 5.92        |
| FXBW3-132/120BS-1425 | 132             | 120      | 1240                  | 3910                  | 80/140               | 320                                       | 650   | 4.86        |
| FXBW3-150/160BS-1530 | 150             | 160      | 1310                  | 4280                  | 85/160               | 370                                       | 700   | 7.93        |
| FXBW3-150/160BT-1526 | 150             | 160      | 1310                  | 4280                  | 85/160               | 370                                       | 700   | 7.69        |
| FXBW3-172/100BS-1610 | 172             | 100      | 1462                  | 4717                  | 80/140               | 370                                       | 700   | 5.32        |
| FXBW3-172/100BS-1900 | 172             | 100      | 1462                  | 5743                  | 80/140               | 370                                       | 700   | 6.19        |
| FXBW3-172/100BS-1980 | 172             | 100      | 1840                  | 6021                  | 80/140               | 370                                       | 700   | 6.43        |

Custom size and special technical specifications can be met upon request.



**220kV Composite / Polymer Long Rod Suspension Insulator**

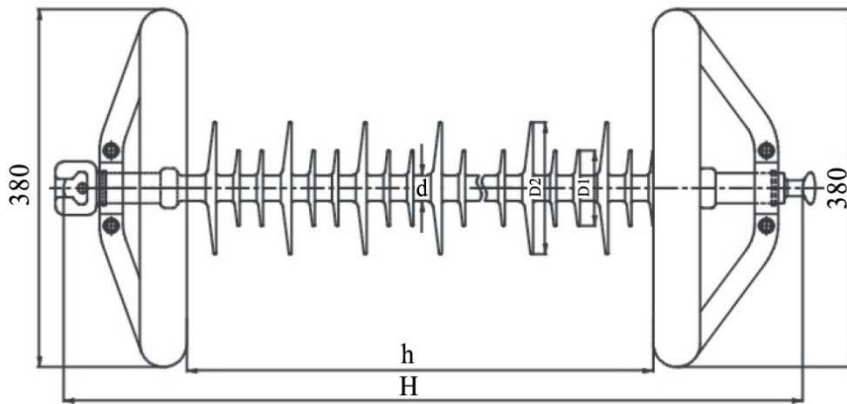


| Model                | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D1/D2 (mm) | Power Freq. Wet Withstand Voltage (kV); $\geq$ | Lightning Impulse Withstand Voltage (kV); $\geq$ | Weight (kg) |
|----------------------|-----------------|----------|-----------------------|-----------------------|----------------------|--|--|-------------|
| FXBW3-220/100BS-2150 | 220             | 100      | 2000                  | 6572                  | 80/140               | 395  | 1000   | 6.94        |
| FXBW3-220/120BS-2160 | 220             | 120      | 2000                  | 6572                  | 80/140               | 395  | 1000   | 6.95        |
| FXBW3-220/100BS-2240 | 220             | 100      | 2085                  | 6900                  | 80/140               | 395  | 1000   | 7.21        |
| FXBW3-220/100BS-2360 | 220             | 100      | 2204                  | 7269                  | 80/140               | 395  | 1000   | 7.50        |
| FXBW3-220/100BS-2470 | 220             | 100      | 2320                  | 7675                  | 80/140               | 395  | 1000   | 7.87        |
| FXBW3-220/100BS-2550 | 220             | 100      | 2395                  | 7945                  | 80/140               | 395  | 1000   | 8.10        |
| FXBW3-220/120BS-2165 | 220             | 120      | 2015                  | 6675                  | 80/140               | 395  | 1000   | 6.99        |
| FXBW3-220/120BS-2240 | 220             | 120      | 2090                  | 6900                  | 80/140               | 395  | 1000   | 7.21        |
| FXBW3-220/120BT-2352 | 220             | 120      | 2270                  | 7575                  | 80/140               | 395  | 1000   | 7.19        |
| FXBW3-220/160BS-2150 | 220             | 160      | 1936                  | 6540                  | 85/160               | 395  | 1000   | 10.65       |
| FXBW3-220/160BS-2240 | 220             | 160      | 2023                  | 6835                  | 85/160               | 395  | 1000   | 11.00       |
| FXBW3-220/160BS-2360 | 220             | 160      | 2135                  | 7205                  | 85/160               | 395  | 1000   | 11.44       |
| FXBW3-220/160BS-2470 | 220             | 160      | 2256                  | 7680                  | 85/160               | 395  | 1000   | 12.00       |
| FXBW3-220/210BS-2150 | 220             | 210      | 1860                  | 6265                  | 85/160               | 395  | 1000   | 11.24       |
| FXBW3-220/210BS-2240 | 220             | 210      | 1950                  | 6560                  | 85/160               | 395  | 1000   | 11.60       |
| FXBW3-230/160BS-2710 | 230             | 160      | 2590                  | 8674                  | 80/140               | 430  | 1175   | 8.72        |
| FXBW3-230/160BS-2550 | 230             | 160      | 2336                  | 7965                  | 85/160               | 430  | 1175   | 12.37       |
| FXBW3-275/120BS-2870 | 275             | 120      | 2750                  | 9180                  | 80/140               | 550  | 1425   | 9.30        |
| FXBW3-275/210BS-2935 | 275             | 210      | 2679                  | 9270                  | 85/160               | 550  | 1425   | 14.95       |

Length and Leakage distance as well as end fittings can be changed according to requirements.



**330-765kV Composite / Polymer Long Rod Suspension Insulator - Type 1**



**Corona Ring Spec:**

**H-380 for 330kV Level**

**H-400 for 400 to 500kV**

**H-440 for 500 to 765kV**

**Specified corona ring is available upon request!**

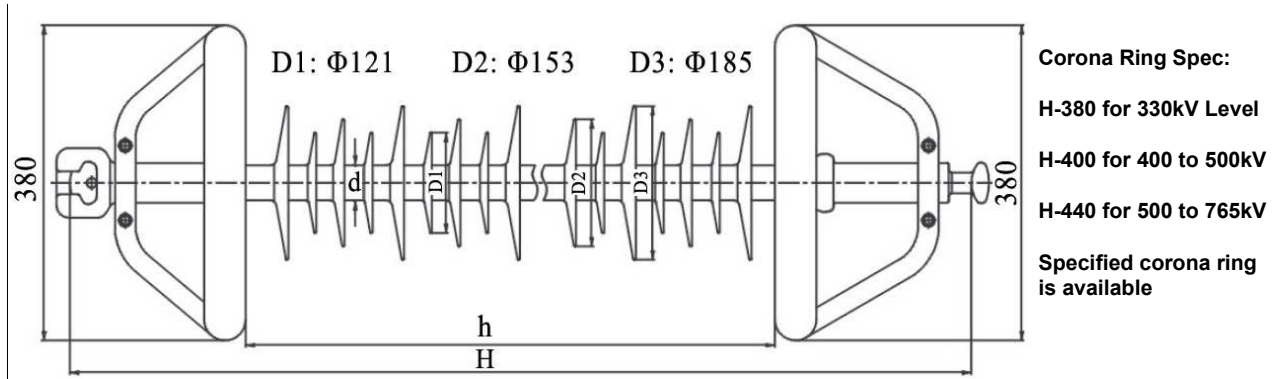
| Model                | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Shed Dia. D1/D2 (mm) | Power Freq. Wet Withstand Voltage (kV); ≥ | Lightning Impulse Withstand Voltage (kV); ≥ | Weight (kg) |
|----------------------|-----------------|----------|-----------------------|-----------------------|----------------------|---|---|-------------|
| FXBW5-330/120BS-2930 | 330             | 120      | 2770                  | 9305                  | 80/140               | 570                                       | 1425  | 9.26        |
| FXBW5-330/120BS-2990 | 330             | 120      | 2830                  | 9455                  | 80/140               | 570                                       | 1425  | 9.37        |
| FXBW5-330/180BS-2930 | 330             | 180      | 2705                  | 9259                  | 85/160               | 570                                       | 1425  | 13.88       |
| FXBW5-330/180BS-2990 | 330             | 180      | 2766                  | 9478                  | 85/160               | 570                                       | 1425  | 14.18       |
| FXBW5-330/180BS-3060 | 330             | 180      | 2838                  | 9753                  | 85/160               | 570                                       | 1425  | 14.50       |
| FXBW5-330/210BS-2935 | 330             | 210      | 2635                  | 8985                  | 85/160               | 570                                       | 1425  | 14.49       |
| FXBW5-330/210BS-2990 | 330             | 210      | 2690                  | 9200                  | 85/160               | 570                                       | 1425  | 14.78       |
| FXBW3-420/180BS-3400 | 420             | 180      | 3175                  | 10914                 | 85/160               | 740                                       | 2050  | 15.90       |
| FXBW3-420/180BS-4035 | 420             | 180      | 3805                  | 13185                 | 85/160               | 740                                       | 2050  | 18.64       |
| FXBW4-500/120BS-4030 | 500             | 120      | 3870                  | 13040                 | 80/140               | 740                                       | 2050  | 12.43       |
| FXBW4-500/120BS-4450 | 500             | 120      | 4300                  | 14540                 | 80/140               | 740                                       | 2050  | 13.32       |
| FXBW4-500/180BS-4030 | 500             | 180      | 3805                  | 13185                 | 85/160               | 740                                       | 2050  | 18.64       |
| FXBW4-500/180BS-4450 | 500             | 180      | 4220                  | 14675                 | 85/160               | 740                                       | 2050  | 20.47       |
| FXBW4-500/210BS-4030 | 500             | 210      | 3735                  | 12910                 | 85/160               | 740                                       | 2050  | 19.24       |
| FXBW4-500/210BS-4455 | 500             | 210      | 3735                  | 14400                 | 85/160               | 740                                       | 2050  | 21.21       |
| FXBW5-765/180BS-6550 | 765             | 180      | 6330                  | 22220                 | 85/160               | 1125                                      | 2700  | 29.55       |
| FXBW5-765/210BS-6550 | 765             | 210      | 6260                  | 21950                 | 85/160               | 1125                                      | 2700  | 30.14       |

Length and Leakage distance as well as end fittings can be changed according to requirements.





**330-765kV Composite / Polymer Long Rod Suspension Insulator - Type 2**



| Model                | Rated Vol. (kV) | SML (kN) | Dry Arc Distance (mm) | Leakage Distance (mm) | Core Dia. d (mm) | Power Freq. Wet Withstand Voltage (kV); ≥ | Lightning Impulse Withstand Voltage (kV); ≥ | Weight (kg) |
|----------------------|-----------------|----------|-----------------------|-----------------------|------------------|---|---|-------------|
| FXBW6-330/240BS-3050 | 330             | 240      | 2745                  | 9645                  | 42               | 570                                       | 1425  | 20.30       |
| FXBW6-330/300BS-3050 | 330             | 240      | 2715                  | 9605                  | 42               | 570                                       | 1425  | 20.73       |
| FXBW4-500/160EE-4450 | 500             | 160      | 4250                  | 14450                 | 32               | 740                                       | 2050  | 23.50       |
| FXBW4-500/160YB-4450 | 500             | 160      | 4250                  | 14450                 | 32               | 740                                       | 2050  | 24.50       |
| FXBW4-500/160BS-4450 | 500             | 160      | 4250                  | 14450                 | 32               | 740                                       | 2050  | 24.25       |
| FXBW6-500/240BS-4030 | 500             | 240      | 3725                  | 13270                 | 42               | 740                                       | 2050  | 25.76       |
| FXBW6-500/240BS-4450 | 500             | 240      | 4145                  | 14820                 | 42               | 740                                       | 2050  | 28.19       |
| FXBW6-500/300BS-4030 | 500             | 300      | 3695                  | 13230                 | 42               | 740                                       | 2050  | 26.17       |
| FXBW6-500/300BS-4450 | 500             | 300      | 4115                  | 14780                 | 42               | 740                                       | 2050  | 28.60       |
| FXBW6-500/420BS-4030 | 500             | 420      | 3553                  | 12580                 | 42               | 740                                       | 2050  | 29.57       |
| FXBW6-500/420BS-4500 | 500             | 420      | 4025                  | 14335                 | 42               | 740                                       | 2050  | 32.61       |
| FXBW6-765/240BS-6550 | 765             | 240      | 6245                  | 22580                 | 42               | 1125                                      | 2700  | 40.29       |
| FXBW6-765/300BS-6550 | 765             | 300      | 6215                  | 22535                 | 42               | 1125                                      | 2700  | 40.70       |
| FXBW6-765/420BS-6550 | 765             | 420      | 6070                  | 21615                 | 42               | 1125                                      | 2700  | 45.24       |

Length and Leakage distance as well as end fittings can be changed according to requirements.