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Chapter 4

Composite Insulator Manufacturing Process

4.5 End Fitting Forging Process

By Orient Power

End Fitting Forging Process



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We have known casting process of end fitting for composite insulator, here some information about end fitting forging process can be found.

What is forging process of end fitting?

Forging manufacturing process is a metal pressure, and through kind of typical power by using metal hammer or pressure, the metal was shaped by plastic deformation.

The advantage of forging process:

Forging process builds fine granular structure, and improves the physical properties of metal. Compared with the castings, metal after forging processing can improve its organizational structure and mechanical properties.

Forging process includes:

- Material cutting into the required size
- Heating
- Forging
- Heat treatment
- Cleaning
- Inspection

Orient Power quality assurance comes from changing most of end fitting manufacturing process from casting to forging for composite insulator. This is a big improvement on the mechanical strength of the insulators.