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# Chapter 3

## Line Post Insulator Type

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3.4 Horizontal clamp declined type line post insulator

**By Orient Power**

## Horizontal clamp declined type line post insulator



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### Horizontal mounted line post insulator types:

- Horizontal type
- Declined type

### Material:

- Porcelain line post insulator
- Composite line post insulator

### Design tests for porcelain horizontal clamp declined type line post insulator:

- ✧ Low frequency dry flashover test
- ✧ Low frequency wet flashover test
- ✧ Critical impulse flashover tests-positive
- ✧ Radio-influence voltage test

### Types of ceramic horizontal clamp declined type line post insulator:

ANSI57-31, ANSI57-32, ANSI57-33, ANSI57-34,  
ANSI57-35

### Advantage of composite line post insulator:

Composite horizontal clamp declined type line post insulator as its core is made of fiber glass, so have good mechanical load.

Composite line post insulator can be used when visibly deformed by an applied load, but when the condition comes to conventional insulators, generally those insulators have failed.

Application places for horizontal clamp declined type line post insulator upto 132kv.