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# Chapter 2

## LV Insulator Types

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2.2 AS GY porcelain stay insulator  
By Orient Power

# AS GY porcelain stay insulator



**Orient Power**

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AS standard GY series insulator is a main type of guy strain insulators which is used a lot in the world, not only in Australia.

## **AS GY series insulator applications**

AS GY series insulator is included in guy strain insulator. The application is to balance the tension strength and also provide the insulating to wooden pole or cement poles.

## **Material**

AS GY series ceramic stay insulator is made by good commercial porcelain.

## **AS GY series types**

- AS GY1
- AS GY2
- AS GY3
- AS GY4

They have a common point which has eight horns.

## **Color of AS GY porcelain stay insulator:**

The colors are various, following are color types:

- Brown
- Grey
- White
- Blue

## **Technical data terms of AS GY1, GY2, GY3, and GY4 separately:**

Mechanical failing load: 10kN, 15kN, 20kN, 30kN

Power frequency dry flashover voltage:  
27kV, 71kV, 222kV, 222Kv.

Except ANSI and AS standard stay insulators, special design porcelain guy strain insulators are also available. As long as the insulator is suitable for given voltage and mechanical strength, the insulators can be used safely.