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# Chapter 1

## Suspension Insulator Definition

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### 1.2 Suspension Insulator Specifications

**By Orient Power**

# Suspension Insulator Specification



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## 🚩 Porcelain suspension insulator specification:

- **ANSI 52 series:**

Leakage distance: 171mm, 178mm,  
210mm, 280mm, 292mm

Rated E&M failing load: 44KN, 70KN, 111LN,  
160KN

Tension proof load: 22KN, 35KN, 55.5KN,  
80KN

- **IEC U70BL series:**

Leakage distance: 295mm, 320mm, 370mm, ,  
600mm

Rated E&M failing load: 70KN, 100KN, 120LN,  
160KN, 210KN, 300KN, 530KN

Routine tension load: 35KN, 50KN, 60KN,  
80KN, 105KN, 150KN, 265KN

- **Anti-pollution series:**

Leakage distance: 432mm

Rated E&M failing load: 70KN, 80KN, 120KN,  
160KN, 210KN

Routine tension load: 35KN, 60KN

## 🚩 Silicone rubber suspension insulator specification:

Rated voltage: 10KV, 11-15KV, 12KV, 33/36KV,  
22/24KV, 33/36KV, 35KV, 15KV, 69KV, 52KV,  
46KV, 132KV, 145KV, 161KV, 220/245KV, 330KV,  
400KV, 500KV, 66/69KV, 110KV

Specified mechanical load: 70KN, 40KN, 80KN,  
90KN, 100KN, 120KN, 160KN, 210KN, 300KN