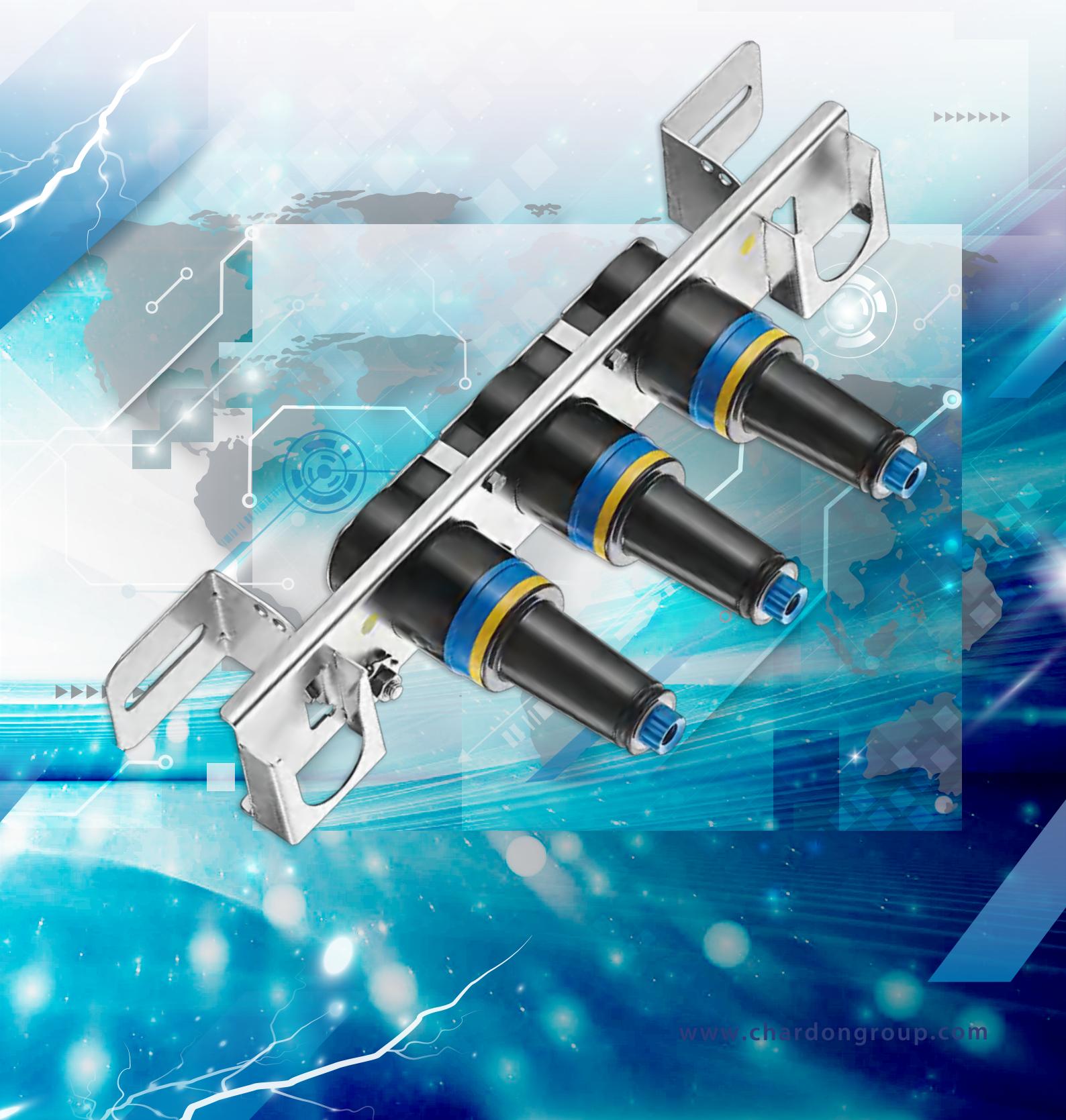


## 200A, 25kV Class Loadbreak Junction



## APPLICATION

The Chardon 200 A, 25 kV Class Loadbreak Junction provides two, three or four 15.2/26.3 kV loadbreak interfaces that are internally bused together and meet all requirements of IEEE Standard 386™ — Separable Insulated Connector Systems. Loadbreak Junctions are used in pad-mounted apparatus, under-ground vaults, and other apparatus to sectionalize, establish loops, taps, or splices, and to facilitate apparatus changeouts.

Sectionalizing a cable run to find and isolate a cable fault is made easy when a loadbreak junction is used with 25 kV Class Loadbreak

elbows and other accessories meeting the requirements of IEEE Standard 386™. The Chardon Loadbreak design incorporates an all copper current carrying path, which provides reliable and consistent performance under all conditions.

The Chardon Loadbreak Junction meets all the requirements of IEEE standard 386, and is fully interchangeable with competitor's products and mating products that also meet IEEE Standard 386. When installed with mating components, the loadbreak junction provides a fully shielded connection for loadbreak applications.

## PRODUCTION TESTS

### Tests conducted in accordance with IEEE/ANSI Standard 386.

- Partial Discharge – 19 kV  $\leq$  5pC
- AC 1 Minute Withstand – 40 kV

### Tests conducted in accordance with Chardon manufacturing process requirements:

- Physical Inspection
- Periodic Dissection
- Periodic X-ray Analysis

## VOLTAGE RATINGS

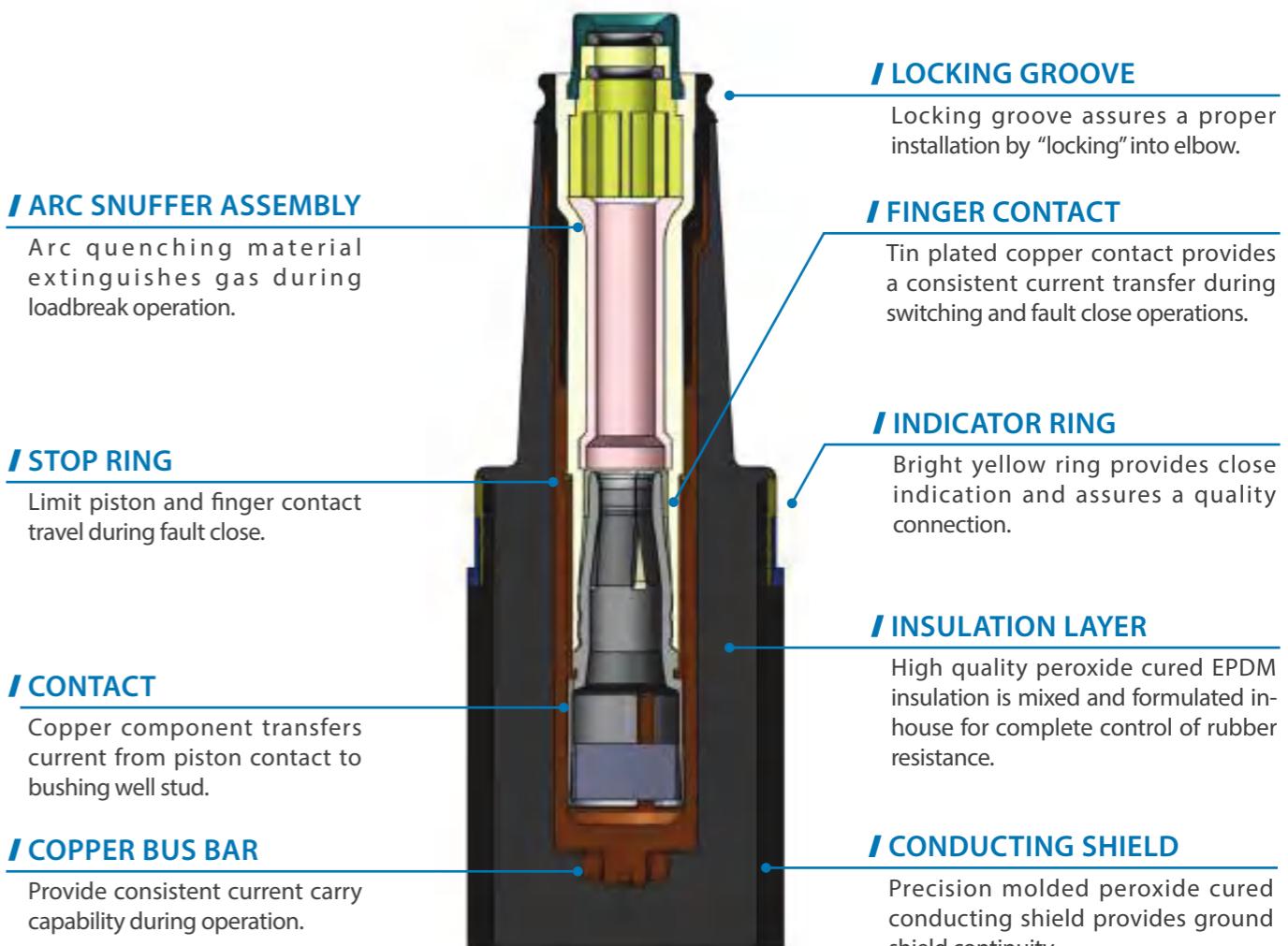
|                             |                  |
|-----------------------------|------------------|
| Voltage Class               | 25 kV            |
| Max. Rating Phase to Phase  | 26.3 kV          |
| Max. Rating Phase to Ground | 15.2 kV          |
| AC 1 Minute Withstand       | 40 kV            |
| DC 15 Minute Withstand      | 78 kV            |
| BIL and Full Wave Crest     | 125 kV           |
| Partial Discharge           | 19 kV $\leq$ 5pC |

## CURRENT RATINGS

| Description | Test Parameters   |
|-------------|---|
| Continuous  | 200 amps rms  |
| Switching   | 10 operations at 200 amps rms at 26.3 kV  |
| Fault Close | 10,000 amps rms symmetrical at 26.3 kV for 0.17 s after 10 consecutive successful switching operations                              |
| Short Time  | <ul style="list-style-type: none"><li>10,000 amps rms symmetrical for 0.17 s</li><li>3,500 amps rms symmetrical for 3.0 s</li></ul> |

.25LJ200-121825-REV04

## DETAIL COMPOSITION OF THE CHARDON LOADBREAK JUNCTION



## ORDERING INFORMATION

### Each kit contains:

- Loadbreak Junction (with mounted bracket or straps, depending on product ordered)
- Shipping Caps (not for energized operation)
- Silicone Grease
- Installation Instruction Sheet

## ORDERING INFORMATION

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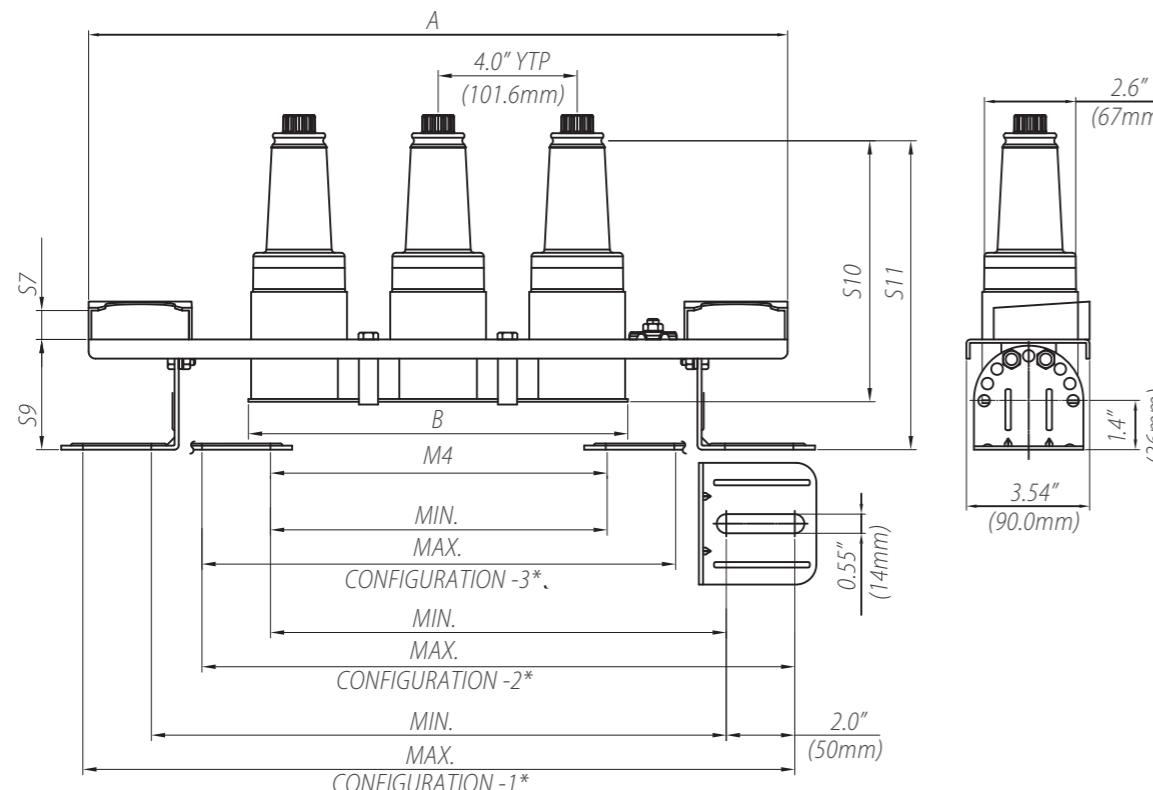
### Loadbreak Junction Part Numbers

| Part Description     | Junction Only | Junction with bracket | Junction with U-Straps |
|----------------------|---------------|-----------------------|------------------------|
| 25kV 200A Junction-2 | 25-LJ200F2    | 25-LJ200F2SS          | 25-LJ200F2U            |
| 25kV 200A Junction-3 | 25-LJ200F3    | 25-LJ200F3SS          | 25-LJ200F3U            |
| 25kV 200A Junction-4 | 25-LJ200F4    | 25-LJ200F4SS          | 25-LJ200F4U            |

### Replacement Parts

| Description                    | Catalog Number |
|--------------------------------|----------------|
| U-Strap Kit (1 Strap)          | 15/25-LJ200U   |
| Stainless Steel Bracket -2 way | 25-LJBKTF2     |
| Stainless Steel Bracket -3 way | 25-LJBKTF3     |
| Stainless Steel Bracket -4 way | 25-LJBKTF4     |

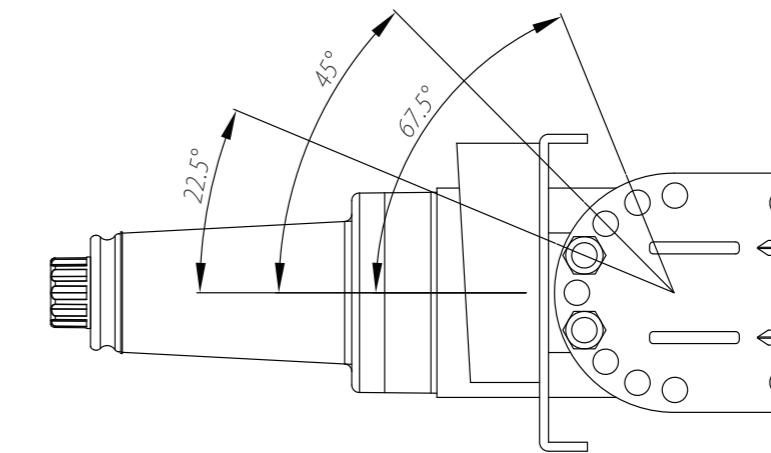
### Junction with Bracket Dimensional Information



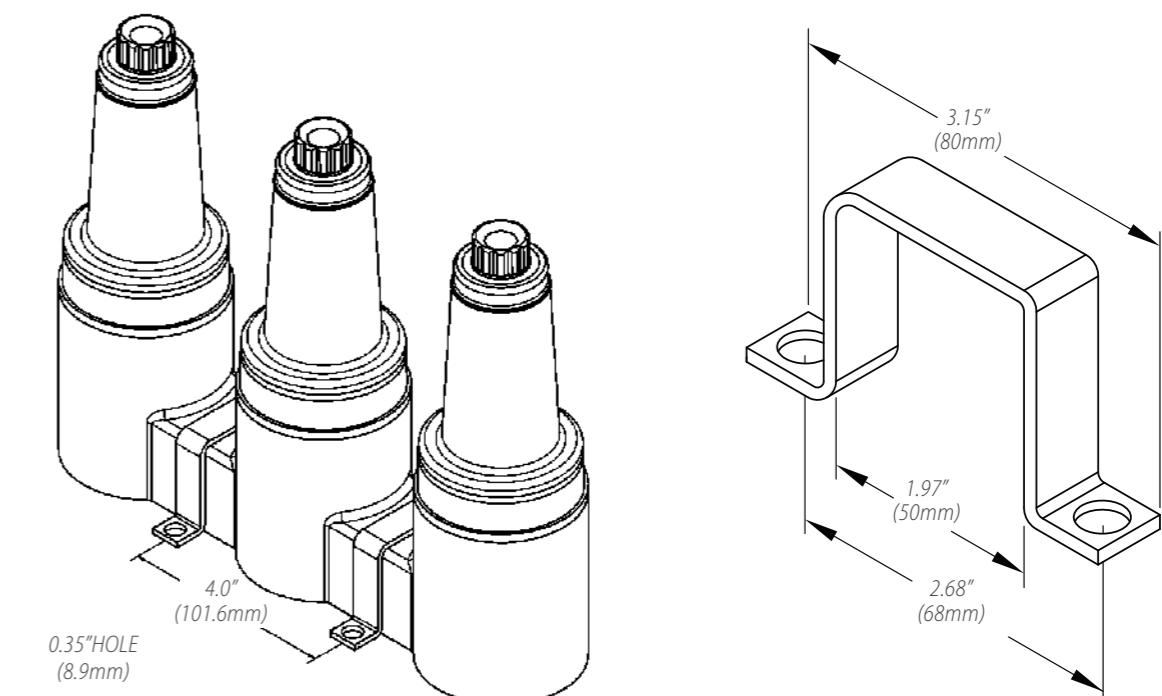
| 25kV                |                 |
|---------------------|-----------------|
| Stacking Dimensions |                 |
| S7                  | 0.8" (21mm)     |
| S9                  | 3.2" (81mm)     |
| S10                 | 7.5" (191mm)    |
| S11                 | 8.9" (226mm)    |
| M4                  | See Dimensional |

| Number of Interfaces | Physical Dimensions In. (mm) |            | M4 Mounting Dimensions in.(mm) |            |                 |            |                 |            |
|----------------------|------------------------------|------------|--------------------------------|------------|-----------------|------------|-----------------|------------|
|                      | A                            | B          | Configuraation1                |            | Configuraation2 |            | Configuraation3 |            |
| 2                    | 16.1 (410)                   | 7.2 (184)  | 12.6 (320)                     | 16.5 (420) | 9.2 (233)       | 13.1 (333) | 5.7 (146)       | 9.7 (246)  |
| 3                    | 20.1 (510)                   | 10.9 (277) | 16.5 (420)                     | 20.5 (520) | 13.1 (333)      | 17.0 (433) | 9.7 (246)       | 13.6 (346) |
| 4                    | 24.0 (610)                   | 14.9 (379) | 20.5 (520)                     | 24.4 (620) | 17.0 (433)      | 21.0 (533) | 13.6 (346)      | 17.6 (446) |

\* Configuration 1. Both feet turned out.  
 Configuration 2. One foot turned out, one in.  
 Configuration 3. Both feet turned in.



### Junction with U-straps Dimensional Information





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