

# HUBBELL Power Systems

## Turnbuckle

By ANDERSON

Catalog # [TB112JE12BNKLN](#)

Turnbuckles are used as adjustable extension links to maintain proper tower clearance on assemblies at tower end. Jaw ends are supplied with bolt, nut, and humpback cotter pin. Add "LN" suffix if jam nuts are required. Remove "BNK" suffix for type EE turnbuckles.



### Features

- "Turnbuckle, 1-1/2", Jaw-Eye, Forged Steel, Diameter = 1.5", Take Up = 12.00" and Ult. Strength = 107,000 LBS
- The torque required to rotate the boss of a turnbuckle under tension can be calculated by the formula:
- $T = 2 (kdW/12)$  ft-lb
- Where: k = Friction factor (0.16)
- d = Nominal thread diameter (inches)
- W = Applied tension load (lb)
- Example: 1-1/2" turnbuckle under 4,000 lb tension
- $T = 2(0.16 \times 1.5 \times 4000 / 12) = 160$  ft-lb"

### General

|                                 |                  |
|---------------------------------|------------------|
| Material                        | Steel            |
| Material - Pin (Clevis)         | Galvanized Steel |
| Number of Bolt Holes            | 0                |
| Strength Rating - Ultimate      | 107000 lb        |
| Strength Rating - Ultimate Body | 0 lb             |

### Dimensions

|                                     |          |
|-------------------------------------|----------|
| Assembly Rating (Ultimate)          | 0 lb     |
| Diameter - Bolt                     | 0 in     |
| Diameter - Pin                      | 0 in     |
| Insulator Throat Diameter - Maximum | 0 in     |
| Insulator Throat Diameter - Minimum | 0 in     |
| Insulator Throat Diameter Range     | 0 - 0    |
| Length - Pin                        | 0 in     |
| Maximum Adjustment                  | 0 in     |
| Ring Height                         | 0 in     |
| Take Up                             | 12 in    |
| Weight                              | 28.99 lb |

### Conductor Related

|                              |      |
|------------------------------|------|
| Conductor Diameter - Maximum | 0 in |
| Conductor Spacing            | 0 in |

### Product Assets

[Catalogs - Transmission Connectors Catalog - Full](#)

