

Clevises & Clevis Pins

Industrial Hardware & Specialties' clevises are manufactured to meet the dimensional and load ratings in accordance with the American Institute of Steel Construction (AISC) Manual of Steel Construction. Carbon and alloy steel clevises are forged per ASTM A668, Stainless steel clevises are forged per ASTM A473.

Length adjustment for Clevis and Rod Assembly may be achieved by RH/LH thread pairing or using Industrial Hardware & Specialties' Turnbuckles in combination with Threaded Rods to create assemblies.

Specifications

- **Material:** C-1035, SA-182-F11, F22, Stainless Steel
- **Threads:** U.N.C./U.N.F. Class 2B, Right or Left Hand, Metric
- **Finish:** Self-Colored, Galvanized, Plated, Electro-Polished
- **Options:** Heat Treating, Special Threading
- **Clevis Pins:** Straight or Headed 100% Domestic Materials

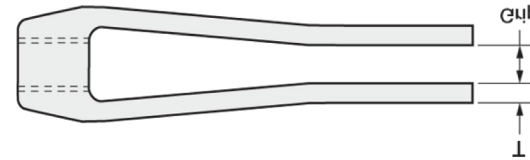
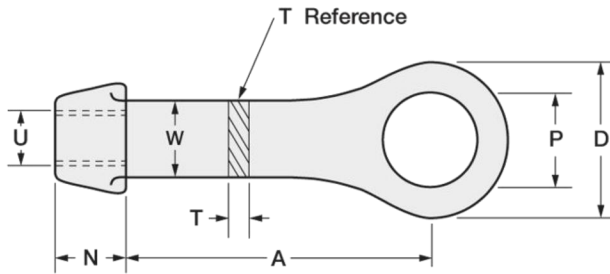


Table 1: Clevis Dimensions

| Part No. | Clevis No. | D | N | Thd. Max.U | W | T +/- tolerance | A | Pin Max. P | ASTM A668 CLASS A RATED CAPACITY (LBS.) | | Unit Wt. (Lbs.) |
|----------|------------|--------|-------|------------|--------|------------------|---------|------------|--|------------|-----------------|
| | | | | | | | | | 5:1 | 3:1 (AISC) | |
| CL20 | 2 | 1 7/16 | 5/8 | 5/8 | 1 1/16 | 5/16 + 1/32-0 | 3 9/16 | 3/4 | 3500 | 5830 | 1 |
| CL25 | 2 1/2 | 2 1/2 | 1 | 7/8 | 1 1/4 | 5/16 + 1/32-0 | 4 | 1 1/2 | 7500 | 12500 | 2 1/2 |
| CL30 | 3 | 3 | 1 1/4 | 1 3/8 | 1 1/2 | 1/2 + 1/16-1/32 | 5 1/16 | 1 3/4 | 15000 | 25000 | 4 |
| CL35 | 3 1/2 | 3 1/2 | 1 1/2 | 1 1/2 | 1 3/4 | 1/2 + 1/16-1/16 | 6 | 2 | 18000 | 30000 | 6 |
| CL40 | 4 | 4 | 1 3/4 | 1 3/4 | 2 | 1/2 + 1/16-1/16 | 5 15/16 | 2 1/4 | 21000 | 35000 | 9 |
| CL50 | 5 | 5 | 2 1/4 | 2 1/8 | 2 1/2 | 5/8 + 3/32-0 | 7 | 2 1/2 | 37500 | 62500 | 16 |
| CL60 | 6 | 6 | 2 3/4 | 2 1/2 | 3 | 3/4 + 3/32-0 | 8 | 3 | 54000 | 90000 | 26 |
| CL70 | 7 | 7 | 3 | 3 | 3 1/2 | 7/8 + 1/8-1/16 | 9 | 3 3/4 | 68500 | 114000 | 36 |
| CL80 | 8 | 8 | 4 | 4 | 4 | 1 1/2 + 1/8-1/16 | 10 1/8 | 4 1/4 | 135000 | 225000 | 90 |

Table 2: Recommended Clevis Options

| Diameter of Tap (U) | Diameter of Pin (P) | | | | | | | | | | | | | | | | | |
|---------------------|---------------------|---|-----|-----|-----|-----|-----|-----|-----|----|----|----|---|----|----|----|---|----|
| | ½ | ⅝ | ¾ | ⅞ | 1 | 1¼ | 1½ | 1¾ | 2 | 2¼ | 2½ | 2¾ | 3 | 3¼ | 3½ | 3¾ | 4 | 4¼ |
| ⅜ | 2 | 2 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ½ | 2 | 2 | 2 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ⅝ | 2 | 2 | 2 | 2 ½ | 2 ½ | 2 ½ | 2 ½ | • | • | • | • | • | • | • | • | • | • | • |
| ¾ | • | • | 2 ½ | 2 ½ | 2 ½ | 2 ½ | 2 ½ | • | • | • | • | • | • | • | • | • | • | • |
| ⅞ | • | • | • | 2 ½ | 2 ½ | 2 ½ | 2 ½ | 3 | • | • | • | • | • | • | • | • | • | • |
| 1 | • | • | • | • | 3 | 3 | 3 | 3 | • | • | • | • | • | • | • | • | • | • |
| 1 ⅛ | • | • | • | • | 3 | 3 | 3 | 3 | 3 ½ | • | • | • | • | • | • | • | • | • |
| 1 ¼ | • | • | • | • | 3 | 3 | 3 | 3 | 3 ½ | • | • | • | • | • | • | • | • | • |
| 1 ⅜ | • | • | • | • | • | 3 | 3 | 3 ½ | 3 ½ | 4 | • | • | • | • | • | • | • | • |
| 1 ½ | • | • | • | • | • | 3 ½ | 3 ½ | 4 | 4 | 5 | • | • | • | • | • | • | • | • |
| 1 ⅝ | • | • | • | • | • | 4 | 4 | 4 | 5 | 5 | 5 | • | • | • | • | • | • | • |
| 1 ¾ | • | • | • | • | • | • | 4 | 5 | 5 | 5 | 5 | • | • | • | • | • | • | • |
| 1 ⅞ | • | • | • | • | • | • | 5 | 5 | 5 | 5 | 5 | • | • | • | • | • | • | • |
| 2 | • | • | • | • | • | • | 5 | 5 | 5 | 5 | 5 | 6 | 6 | • | • | • | • | • |
| 2 ⅛ | • | • | • | • | • | • | • | 5 | 5 | 6 | 6 | 6 | 6 | • | • | • | • | • |
| 2 ¼ | • | • | • | • | • | • | • | • | 6 | 6 | 6 | 6 | 6 | 7 | 7 | • | • | • |
| 2 ⅜ | • | • | • | • | • | • | • | • | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | • | • |
| 2 ½ | • | • | • | • | • | • | • | • | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | • |
| 2 ⅝ | • | • | • | • | • | • | • | • | • | • | 7 | 7 | 7 | 7 | 7 | 8 | • | • |
| 2 ¾ | • | • | • | • | • | • | • | • | • | • | 7 | 7 | 7 | 7 | 8 | 8 | • | • |
| 2 ⅞ | • | • | • | • | • | • | • | • | • | • | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 | • | • | • | • | • | • | • | • | • | • | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 ⅛ | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 ¼ | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 ⅜ | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 ½ | • | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | 8 |
| 3 ⅝ | • | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | • |
| 3 ¾ | • | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | 8 | 8 | • |
| 3 ⅞ | • | • | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | 8 | • | • |
| 4 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 8 | 8 | • | • |