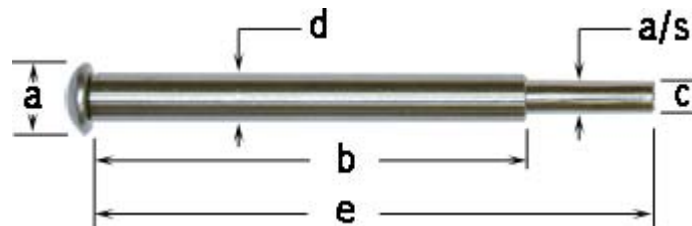




Our Top Hat System gives an aesthetic balance of symmetry to the finished project. This system is a great option to a turnbuckle system and when installed the absence of any visible threads leaves you with a very smooth & clean appearance. This is also a very good system for retrofitting existing rails to meet current codes.



| Top Hat        |              |                 |               |                   |                 |                   |         |          |
|----------------|--------------|-----------------|---------------|-------------------|-----------------|-------------------|---------|----------|
| Cable Size (c) | Cap Dia. (a) | Body Length (b) | Body Dia, (d) | After Swage (a/s) | Open Length (e) | Closed Length (e) | Take Up | Part #   |
| 1/8"           | .540         | 2.250           | .360          | .250              | 3.375           | 2.750             | .625    | 40A40102 |
| 1/8"           | .540         | 3.250           | .360          | .250              | 4.125           | 3.250             | .875    | 40A40104 |
| 3/16"          | .540         | 2.250           | .360          | .250              | 3.625           | 3.000             | .625    | 40A60102 |
| 3/16"          | .540         | 3.250           | .360          | .250              | 4.500           | 3.500             | 1.000   | 40A60104 |
| 3/16"          | .540         | 4.250           | .360          | .250              | 5.500           | 4.250             | 1.500   | 40A60106 |
| 1/4"           | .630         | 3.125           | .495          | .375              | 4.625           | 3.625             | .750    | 40A80102 |
| 1/4"           | .630         | 3.375           | .495          | .375              | 4.875           | 3.875             | 1.000   | 40A80104 |
| 1/4"           | .630         | 4.437           | .480          | .375              | 5.875           | 4.437             | 1.500   | 40A80106 |
| 3/8"           | .580         | 4.250           | .665          | .563              | 6.437           | 5.125             | 1.312   | 40A12102 |
| 1/2"           | 1.245        | 5.250           | .805          | .688              | 8.500           | 6.750             | 1.750   | 40A16102 |

## Post Hole Requirements

Your holes should be drilled to these diameters to allow clearance for our hardware.

| Post Hole Requirements |          |                   |
|------------------------|----------|-------------------|
| Cable Size             | End Post | Intermediate Post |
| 1/8"                   | 3/8"     | 5/16"             |
| 3/16"                  | 3/8"     | 5/16"             |
| 1/4"                   | 1/2"     | 7/16"             |
| 3/8"                   | 11/16"   | 5/8"              |
| 1/2"                   | 13/16"   | 3/4"              |

## Angle Washers

Angle washers are used with our CSTS, Threaded Stud, Termination Stud or Top Hat Systems for the standard 30° angle compensation of horizontal stair runs.



| 30° Angle Washers |      |           |
|-------------------|------|-----------|
| O.D.              | I.D. | Part #    |
| 1/2"              | 1/4" | 40HAW0830 |
| 1/2"              | 3/8" | 40HAW1230 |
| 5/8"              | 1/2" | 40HAW1630 |