



ESTABLISHED
1923

High Confidence Tube Plug

**Product Name:**

High Confidence Tube Plug

Part Number:

Refer to Conco Standard Size Chart for High Confidence Tube Plugs

Application:

For plugging condenser and heat exchanger tubes.

Description:

- Available for 3/4" O.D. through 1-1/4" O.D. tubes.
- Separate gripping and sealing design in one plug.
- Seals to 500 psi when tested under pressure, temperature and vibration conditions.
- Plug consists of chloroprene expanding cylinder, grade K-2242-CF, ASTM-BC-412 at 45+/- shores(s) durometer hardness. This is used to seal the leaking tube.
- The gripping portion of the plug is made of machined serrated adjustable grippers that allow for positive gripping action. "O" ring washer holds grippers in place.
- Can be used on coated/epoxied tube sheets.

Storage Information:

Store in cool, dry area away from heat and sunlight. Can be kept in sealed plastic bags. Long, undeterminable tube plug life.

Auxiliary Equipment Required:

Snap-on torque wrench with 30-250 inch pound range and deep well sockets (1/2" socket for all plugs except 3/4" plugs – use 3/8" socket for 3/4" plugs, torquing plug as required, screw driver and 1/2" (13 mm) box wrench.

Determination of Quantity:

2 for each tube to be plugged (plug both ends of tube).

Ordering Information:

Contact Conco Services Corporation
530 Jones St.
Verona, PA 15147 USA
Toll free (US Only) 1-800-345-3476
Office +1 412-828-1166
Fax +1 412-826-8255
E-mail info@conco.net

Example Order:

20 Conco Type High Confidence Tube
Plugs, 7/8" x 18 BWG, Bronze
Part No. HCZ7818

Availability:

Contact your Conco representative

Installation Instructions:

- Clean and wipe dry the tube end to be plugged.
- Insert plug into tube, neoprene cylinder end first.
- Locate metallic grippers in tube at tubesheet roll, keeping tightening nut flush with tubesheet.
- Tighten nut finger tight to give snug fit.
- Use screwdriver and 1/2" (13 mm) box wrench to tighten nut of bolt to the point where screwdriver is no longer required.
- Use a snap-on torque wrench with 30-250 inch pound range and a 1/2" (13 mm) deep well socket to torque to order specific tolerances. Use 1/2" socket for all plugs except 3/4" plugs – use 3/8" socket.
- After installation, wait 15 minutes and retorquing to specified tolerances.



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**CONCO STANDARD SIZE CHART
WITH PART NUMBERS FOR HIGH CONFIDENCE TUBE PLUGS**

O.D.	BWG	Brass	Bronze	Stainless	Titanium
3/4"	16	HCB3416	HCZ3416	HCQ3416	HCT3416
3/4"	17	HCB3417	HCZ3417	HCQ3417	HCT3417
3/4"	18	HCB3418	HCZ3418	HCQ3418	HCT3418
3/4"	19	HCB3419	HCZ3419	HCQ3419	HCT3419
3/4"	20	HCB3420	HCZ3420	HCQ3420	HCT3420
3/4"	21	HCB3421	HCZ3421	HCQ3421	HCT3421
3/4"	22	HCB3422	HCZ3422	HCQ3422	HCT3422
7/8"	16	HCB7816	HCZ7816	HCQ7816	HCT7816
7/8"	17	HCB7817	HCZ7817	HCQ7817	HCT7817
7/8"	18	HCB7818	HCZ7818	HCQ7818	HCT7818
7/8"	19	HCB7819	HCZ7819	HCQ7819	HCT7819
7/8"	20	HCB7820	HCZ7820	HCQ7820	HCT7820
7/8"	21	HCB7821	HCZ7821	HCQ7821	HCT7821
7/8"	22	HCB7822	HCZ7822	HCQ7822	HCT7822
1"	16	HCB1116	HCZ1116	HCQ1116	HCT1116
1"	17	HCB1117	HCZ1117	HCQ1117	HCT1117
1"	18	HCB1118	HCZ1118	HCQ1118	HCT1118
1"	19	HCB1119	HCZ1119	HCQ1119	HCT1119
1"	20	HCB1120	HCZ1120	HCQ1120	HCT1120
1"	21	HCB1121	HCZ1121	HCQ1121	HCT1121
1"	22	HCB1122	HCZ1122	HCQ1122	HCT1122
1-1/8"	16	HCB9816	HCZ9816	HCQ9816	HCT9816
1-1/8"	17	HCB9817	HCZ9817	HCQ9817	HCT9817
1-1/8"	18	HCB9818	HCZ9818	HCQ9818	HCT9818
1-1/8"	19	HCB9819	HCZ9819	HCQ9819	HCT9819
1-1/8"	20	HCB9820	HCZ9820	HCQ9820	HCT9820
1-1/8"	21	HCB9821	HCZ9821	HCQ9821	HCT9821
1-1/8"	22	HCB9822	HCZ9822	HCQ9822	HCT9822
1-1/4"	16	HCB5416	HCZ5416	HCQ5416	HCT5416
1-1/4"	17	HCB5417	HCZ5417	HCQ5417	HCT5417
1-1/4"	18	HCB5418	HCZ5418	HCQ5418	HCT5418
1-1/4"	19	HCB5419	HCZ5419	HCQ5419	HCT5419
1-1/4"	20	HCB5420	HCZ5420	HCQ5420	HCT5420
1-1/4"	21	HCB5421	HCZ5421	HCQ5421	HCT5421
1-1/4"	22	HCB5422	HCZ5422	HCQ5422	HCT5422

