



# SHOULDER / HEADER PLUGS

Made for Header Boxes on Air-Cooled Exchangers

Shoulder plugs—also known as header plugs—are used in air-cooled heat exchangers and fanned aerial coolers to seal the ends of piping systems. Threaded into the plug sheet of the header box, they provide access for inspection, cleaning, and plugging leaking tubes when necessary. Air-cooled heat exchangers are widely used across the oil and gas industry, from upstream production to refineries, petrochemical plants, and power facilities. Spare plugs and gaskets are often required to replace originals during routine maintenance or repairs.



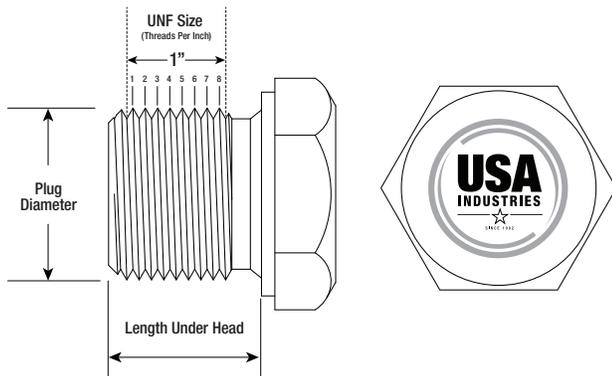
- **Stocked Sizes:** 5/8" to 2"
- **Custom Sizes:** Available upon request
- **Length Under Head:** 3/4" to 3"
- **Production Capacity:** 1,000+ plugs per day
- **Rapid Delivery:** Fast turnaround on custom sizes and materials
- **Customization:** Built to your exact specifications
- **No Minimum Order Quantity**
- **In-Stock Plugs:** Ship same day

### ALLOY OPTIONS:

- |                  |                          |
|------------------|--------------------------|
| C = Carbon Steel | I = Inconel              |
| B = Brass        | N = Nickel 200           |
| S = 316 SS       | T = Titanium             |
| J = 70/30 CuNi   | H = Hastelloy            |
| K = 90/10 CuNi   | Z = Zirconium            |
| Y = Chrome/Moly  | *Other alloys available. |
| M = Monel        |                          |

### PLATING & COATING OPTIONS:

- Cadmium
- Electroless Nickel
- Galvanized
- Nickel
- Zinc
- Uncoated
- \* Other coatings available





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ASK US ABOUT  
OUR FLAT AND  
EZ TORQUE®  
GASKETS

USA INDUSTRIES' EZ TORQUE SURE SEAL GASKETS

## HEADER / SHOULDER PLUG SIZING CHART

| TUBE O.D. (in.) | "A" PLUG THREAD O.D. (in.) | TYPICAL U.N.F. THREAD | "B" LENGTH UNDER **HEAD | HEX SIZE |
|-----------------|----------------------------|-----------------------|-------------------------|----------|
| 5/8             | 3/4                        | 16                    | 3/4 - 1-1/2             | 1        |
| 3/4             | 7/8                        | 14                    |                         | 1-1/8    |
| 7/8             | 1                          | 12                    |                         | 1-1/4    |
| 1               | 1-1/8                      |                       |                         | 1-3/8    |
| 1-1/8           | 1-1/4                      |                       |                         | 1-1/2    |
| 1-1/4           | 1-3/8                      |                       |                         | 1-5/8    |
| 1-3/8           | 1-1/2                      |                       |                         | 1-3/4    |
| 1-1/2           | 1-5/8                      |                       |                         | 1-7/8    |
| 1-5/8           | 1-3/4                      |                       |                         | 2        |
| 1-3/4           | 1-7/8                      |                       |                         | 2-1/8    |
| 1-7/8           | 2                          |                       |                         | 2-1/4    |
| 2               | 2-1/8                      |                       |                         | 2-3/8    |

### WHEN ORDERING SPECIFY:

- Plug Threaded Hole Size (Plug Diameter - see Sizing Chart)
- UNF Size (Threads per Inch)
- Length Under Head
- Metal / Material of Construction
- Coating
- Quantity Needed
- Delivery Date Needed By

**WARNING:** Never stand in front of any installed plug under pressure. Plugs ejected under pressure can cause serious bodily injury.