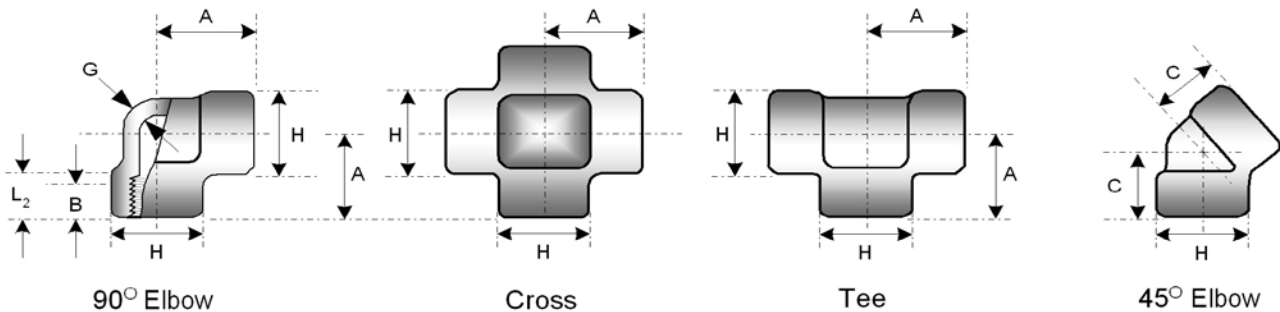


## Dimensions of Forged Threaded Fittings- ASME B16.11



| Nominal<br>Pipe<br>Size<br>NPS | Centre-to-End                          |      |      |                  |      |      | Outside Diameter<br>of Band- H |      |      | Minimum Wall<br>Thickness- G |       |       | Minimum<br>Thread Length <sup>(1)</sup> |                |
|--------------------------------|--|------|------|------------------|------|------|--------------------------------|------|------|------------------------------|-------|-------|---|----------------|
|                                | 90 Deg Elbows,<br>Tees, and Crosses- A |      |      | 45 Deg Elbows- C |      |      |                                |      |      |                              |       |       |   |                |
|                                | 2000                                   | 3000 | 6000 | 2000             | 3000 | 6000 | 2000                           | 3000 | 6000 | 2000                         | 3000  | 6000  | B                                       | L <sub>2</sub> |
| 1/8                            | 0.81                                   | 0.81 | 0.97 | 0.69             | 0.69 | 0.75 | 0.88                           | 0.88 | 1.00 | 0.125                        | 0.125 | 0.250 | 0.25                                    | 0.2639         |
| 1/4                            | 0.81                                   | 0.97 | 1.12 | 0.69             | 0.75 | 0.88 | 0.88                           | 1.00 | 1.31 | 0.125                        | 0.130 | 0.260 | 0.32                                    | 0.4018         |
| 3/8                            | 0.97                                   | 1.12 | 1.31 | 0.75             | 0.88 | 1.00 | 1.00                           | 1.31 | 1.50 | 0.125                        | 0.138 | 0.275 | 0.36                                    | 0.4078         |
| 1/2                            | 1.12                                   | 1.31 | 1.50 | 0.88             | 1.00 | 1.12 | 1.31                           | 1.50 | 1.81 | 0.125                        | 0.161 | 0.321 | 0.43                                    | 0.5337         |
| 3/4                            | 1.31                                   | 1.50 | 1.75 | 1.00             | 1.12 | 1.31 | 1.50                           | 1.81 | 2.19 | 0.125                        | 0.170 | 0.336 | 0.50                                    | 0.5457         |
| 1                              | 1.50                                   | 1.75 | 2.00 | 1.12             | 1.31 | 1.38 | 1.81                           | 2.19 | 2.44 | 0.145                        | 0.196 | 0.391 | 0.58                                    | 0.6828         |
| 1 1/4                          | 1.75                                   | 2.00 | 2.38 | 1.31             | 1.38 | 1.69 | 2.19                           | 2.44 | 2.97 | 0.153                        | 0.208 | 0.417 | 0.67                                    | 0.7068         |
| 1 1/2                          | 2.00                                   | 2.38 | 2.50 | 1.38             | 1.69 | 1.72 | 2.44                           | 2.97 | 3.31 | 0.158                        | 0.219 | 0.436 | 0.70                                    | 0.7235         |
| 2                              | 2.38                                   | 2.50 | 3.25 | 1.69             | 1.72 | 2.06 | 2.97                           | 3.31 | 4.00 | 0.168                        | 0.281 | 0.476 | 0.75                                    | 0.7565         |
| 2 1/2                          | 3.00                                   | 3.25 | 3.75 | 2.06             | 2.06 | 2.50 | 3.62                           | 4.00 | 4.75 | 0.221                        | 0.301 | 0.602 | 0.93                                    | 1.138          |
| 3                              | 3.38                                   | 3.75 | 4.19 | 2.50             | 2.50 | 3.12 | 4.31                           | 4.75 | 5.75 | 0.236                        | 0.348 | 0.655 | 1.02                                    | 1.200          |
| 4                              | 4.19                                   | 4.50 | 4.50 | 3.12             | 3.12 | 3.12 | 5.75                           | 6.00 | 6.00 | 0.258                        | 0.440 | 0.735 | 1.09                                    | 1.300          |

All dimensions are given in inches.

**Notes:**

(1) Dimension B is the minimum length of perfect thread. The length of useful thread (B plus threads with fully formed roots and flat crests) shall not be less than L<sub>2</sub> (effective length of external thread) required by American National Standard for Pipe threads (ANSI/ASME B1.20.1).

Trans Am

Piping Products Ltd.