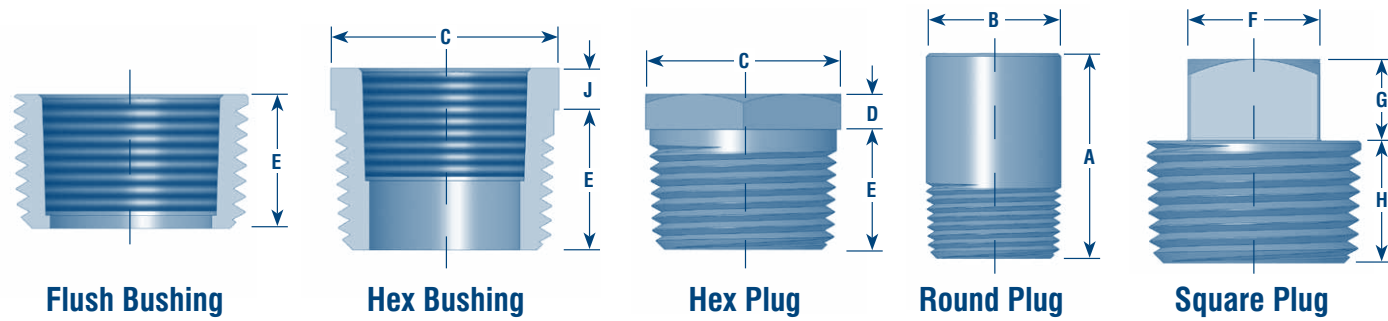
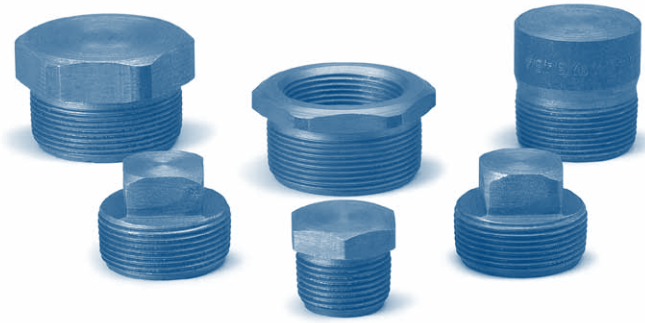


**CLASS 3000**  
**CLASS 6000**

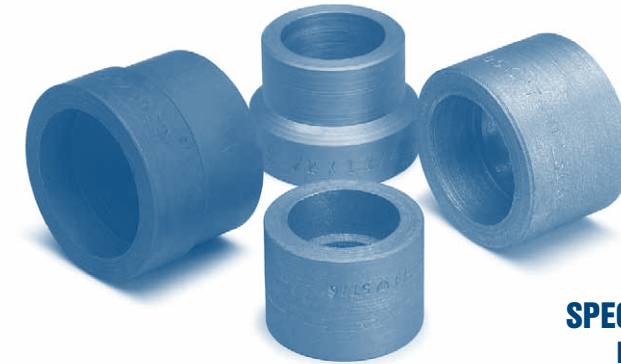


**SPECIFICATIONS:**  
**ASME B16.11**  
**ASME B1.20.1 - (NPT)**

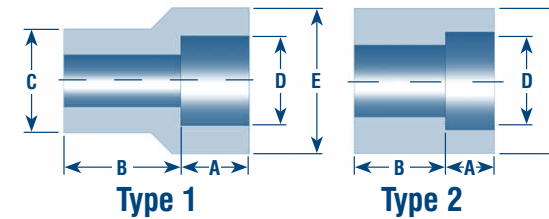
| CLASS                | DIMENSIONS        | SIZES (INCHES) |       |       |       |        |        |         |         |        |        |         |         |
|----------------------|-------------------|----------------|-------|-------|-------|--------|--------|---------|---------|--------|--------|---------|---------|
|                      |                   | 1/8            | 1/4   | 3/8   | 1/2   | 3/4    | 1      | 1 1/4   | 1 1/2   | 2      | 2 1/2  | 3       | 4       |
| <b>3000/6000</b>     | A                 | 1 3/8          | 1 5/8 | 1 5/8 | 1 3/4 | 1 3/4  | 2      | 2       | 2       | 2 1/2  | 2 3/4  | 2 3/4   | 3       |
|                      | B                 | 13/32          | 9/16  | 11/16 | 13/16 | 1 1/16 | 1 5/16 | 1 11/16 | 1 29/32 | 2 3/8  | 2 7/8  | 3 1/2   | 4 1/2   |
|                      | C                 | 7/16           | 5/8   | 11/16 | 7/8   | 1 1/16 | 1 3/8  | 1 3/4   | 2       | 2 1/2  | 3      | 3 3/4   | 4 7/8   |
|                      | D MIN.            | 1/4            | 1/4   | 5/16  | 5/16  | 3/8    | 3/8    | 9/16    | 5/8     | 11/16  | 3/4    | 13/16   | 1       |
|                      | E                 | 7/16           | 1/2   | 9/16  | 11/16 | 3/4    | 27/32  | 7/8     | 15/16   | 1      | 1 1/4  | 1 11/16 | 1 25/32 |
|                      | F                 | 9/32           | 3/8   | 7/16  | 9/16  | 5/8    | 13/16  | 15/16   | 1 1/8   | 1 5/16 | 1 1/2  | 1 11/16 | 2 1/2   |
|                      | G                 | 1/4            | 1/4   | 5/16  | 3/8   | 7/16   | 1/2    | 9/16    | 5/8     | 11/16  | 3/4    | 13/16   | 1 1/4   |
|                      | H                 | 3/8            | 7/16  | 1/2   | 9/16  | 5/8    | 3/4    | 13/16   | 13/16   | 7/8    | 1 1/16 | 1 1/8   | 1 1/4   |
|                      | J MIN.            |                | 3/16  | 3/16  | 3/16  | 1/4    | 1/4    | 3/8     | 3/8     | 3/8    | 1/2    | 7/16    | 1       |
|                      | <b>ROUND PLUG</b> | WEIGHT         | 0.05  | 0.11  | 0.18  | 0.25   | 0.41   | 0.73    | 1.20    | 1.57   | 3.10   | 5.01    | 7.40    |
| <b>HEXAGON PLUG</b>  | WEIGHT            | 0.03           | 0.06  | 0.09  | 0.16  | 0.27   | 0.48   | 0.93    | 1.35    | 2.26   | 3.84   | 7.08    | 12.07   |
| <b>SQUARE PLUG</b>   | WEIGHT            | 0.02           | 0.04  | 0.06  | 0.12  | 0.19   | 0.35   | 0.61    | 0.83    | 1.41   | 2.33   | 3.57    | 6.28    |
| <b>HEX BUSHING</b>   | WEIGHT            |                | 0.03  | 0.04  | 0.06  | 0.12   | 0.21   | 0.38    | 0.37    | 0.77   | 1.31   | 3.78    | 7.31    |
| <b>FLUSH BUSHING</b> | WEIGHT            |                | 0.05  | 0.07  | 0.03  | 0.06   | 0.09   | 0.17    | 0.19    | 0.39   | 0.62   | 1.00    | 1.88    |

Note: 1. All Dimensions are in inches  
2. Weights based on carbon steel (A105)

**CLASS 3000**  
**CLASS 6000**  
**CLASS 9000**



**SPECIFICATIONS:**  
**MSS SP-79**  
**ASME B16.11 - (SOCKET DIMENSIONS ONLY)**



| SIZE          | C     | D     | 3000      |          |       | 6000    |           |          | 9000    |         |           | WEIGHT   |        |        |       |      |      |      |
|---------------|-------|-------|-----------|----------|-------|---------|-----------|----------|---------|---------|-----------|----------|--------|--------|-------|------|------|------|
|               |       |       | Fig. Type | A (Min.) | B     | E       | Fig. Type | A (Min.) | B       | E       | Fig. Type | A (Min.) | B      | E      | 3000  | 6000 | 9000 |      |
| 3/8 x 1/4     | 0.685 | 0.555 | 1         | 3/8      | 3/4   | 15/16   | 1         | 3/8      | 27/32   | 1       |           |          |        | 0.12   | 0.20  |      |      |      |
| 1/2 x 3/8     | 0.850 | 0.690 | 1         | 3/8      | 13/16 | 1 1/16  | 1         | 3/8      | 29/32   | 1 3/16  |           |          |        | 0.16   | 0.19  |      |      |      |
| 1/2 x 1/4     | 0.850 | 0.555 | 1         | 3/8      | 13/16 | 15/16   | 1         | 3/8      | 13/16   | 1       |           |          |        | 0.17   | 0.19  |      |      |      |
| 3/4 x 1/2     | 1.060 | 0.855 | 1         | 3/8      | 7/8   | 15/16   | 1         | 3/8      | 1       | 1 3/8   | 1         | 3/8      | 1 3/16 | 1 3/4  | 0.26  | 0.36 | 0.62 |      |
| 3/4 x 3/8     | 1.060 | 0.690 | 2         | 3/8      | 5/8   |         | 1         | 3/8      | 7/8     | 1 3/16  |           |          |        | 0.19   | 0.25  |      |      |      |
| 3/4 x 1/4     | 1.060 | 0.555 | 2         | 3/8      | 11/16 |         | 2         | 3/8      | 7/8     |         |           |          |        | 0.23   | 0.27  |      |      |      |
| 1 x 3/4       | 1.325 | 1.065 | 1         | 1/2      | 15/16 | 1 17/32 | 1         | 1/2      | 1 1/8   | 1 11/16 | 1         | 1/2      | 1 1/4  | 2      | 0.38  | 0.60 | 1.10 |      |
| 1 x 1/2       | 1.325 | 0.855 | 2         | 3/8      | 5/8   |         | 1         | 3/8      | 1 1/8   | 1 3/8   | 1         | 3/8      | 1 1/8  | 1 3/4  | 0.32  | 0.49 | 0.74 |      |
| 1 x 3/8       | 1.325 | 0.690 | 2         | 3/8      | 11/16 |         | 2         | 3/8      | 7/8     |         |           |          |        | 0.37   | 0.41  |      |      |      |
| 1 x 1/4       | 1.325 | 0.555 | 2         | 3/8      | 3/4   |         | 2         | 3/8      | 15/16   |         |           |          |        | 0.41   | 0.50  |      |      |      |
| 1 1/4 x 1     | 1.670 | 1.330 | 1         | 1/2      | 1     | 1 7/8   | 1         | 1/2      | 1 3/16  | 2       |           | 1        | 1/2    | 1 3/8  | 2 3/8 | 0.62 | 0.89 | 1.44 |
| 1 1/4 x 3/4   | 1.670 | 1.065 | 2         | 1/2      | 11/16 |         | 2         | 1/2      | 13/16   |         |           | 1        | 1/2    | 1 3/16 | 2     | 0.54 | 1.04 | 1.81 |
| 1 1/4 x 1/2   | 1.670 | 0.855 | 2         | 3/8      | 3/4   |         | 2         | 3/8      | 7/8     |         |           | 2        | 3/8    | 7/8    |       | 0.65 | 0.95 | 1.14 |
| 1 1/4 x 3/8   | 1.670 | 0.690 | 2         | 3/8      | 13/16 |         | 2         | 3/8      | 15/16   |         |           |          |        |        |       | 0.70 | 1.04 |      |
| 1 1/4 x 1/4   | 1.670 | 0.555 | 2         | 3/8      | 7/8   |         | 2         | 3/8      | 1       |         |           |          |        |        |       | 0.75 | 1.14 |      |
| 1 1/2 x 1 1/4 | 1.910 | 1.675 | 1         | 1/2      | 1 1/8 | 2 1/4   | 1         | 1/2      | 1 3/8   | 2 3/8   | 1         | 1/2      | 1 5/8  | 2 3/4  | 0.80  | 1.23 | 1.90 |      |
| 1 1/2 x 1     | 1.910 | 1.330 | 2         | 1/2      | 11/16 |         | 1         | 1/2      | 1 5/32  | 2 1/16  | 1         | 1/2      | 1 3/8  | 2 3/8  | 0.68  | 1.13 | 1.13 |      |
| 1 1/2 x 3/4   | 1.910 | 1.065 | 2         | 1/2      | 3/4   |         | 2         | 1/2      | 1       |         |           | 2        | 1/2    | 1      | 0.84  | 1.04 | 1.23 |      |
| 1 1/2 x 1/2   | 1.910 | 0.855 | 2         | 3/8      | 13/16 |         | 2         | 3/8      | 1 1/16  |         |           | 2        | 3/8    | 1      | 0.97  | 1.15 | 1.33 |      |
| 1 1/2 x 3/8   | 1.910 | 0.690 | 2         | 3/8      | 7/8   |         | 2         | 3/8      | 1 1/8   |         |           |          |        |        | 1.00  | 1.25 |      |      |
| 2 x 1 1/2     | 2.385 | 1.915 | 1         | 1/2      | 1 1/4 | 2 1/2   | 1         | 1/2      | 1 17/32 | 2 11/16 | 1         | 1/2      | 2 1/16 | 3      | 1.24  | 1.93 | 2.43 |      |
| 2 x 1 1/4     | 2.385 | 1.675 | 2         | 1/2      | 13/16 |         | 2         | 1/2      | 15/16   |         |           | 1        | 1/2    | 2      | 1.16  | 1.36 | 1.96 |      |
| 2 x 1         | 2.385 | 1.330 | 2         | 1/2      | 7/8   |         | 2         | 1/2      | 1       |         |           | 2        | 1/2    | 1      | 1.50  | 1.86 | 1.54 |      |
| 2 x 3/4       | 2.385 | 1.065 | 2         | 1/2      | 15/16 |         | 2         | 1/2      | 1 1/16  |         |           | 2        | 1/2    | 1 1/16 | 1.69  | 1.82 | 1.82 |      |
| 2 x 1/2       | 2.385 | 0.855 | 2         | 3/8      | 1     |         | 2         | 3/8      | 1 1/8   |         |           | 2        | 3/8    | 1 1/8  | 1.81  | 1.92 | 1.92 |      |

Note: 1. All dimensions are in inches.  
2. Weights based on carbon steel (A105)  
3. Larger sizes are available upon request, and are supplied in accordance to MSS SP-79.