

## Class 150 (Standard) Fig. 3383 Hex Bushing



**Figure 3383** Hex Bushing

| Nominal Size |            | Dimensions    |              |               | Approx. Wt. Each | Hex     |
|--------------|------------|---------------|--------------|---------------|------------------|---------|
| Male (M)     | Female (F) | A             | B            | C             |                  |         |
| In. (mm)     | In. (mm)   | In. (mm)      | In. (mm)     | In. (mm)      | Lbs. (kg)        | -       |
| 3/4<br>20    | 1/2<br>15  | 0.63<br>16.00 | 0.22<br>5.59 | 1.15<br>29.21 | 0.11<br>0.05     | Outside |
|              | 1/8<br>6   | 0.75<br>19.05 | 0.30<br>7.62 | 1.12<br>28.45 | 0.18<br>0.08     | Inside  |
|              | 1/4<br>8   | 0.75<br>19.05 | 0.30<br>7.62 | 1.12<br>28.45 | 0.21<br>0.10     | Inside  |
| 1<br>25      | 3/8<br>10  | 0.75<br>19.05 | 0.30<br>7.62 | 1.12<br>28.45 | 0.20<br>0.09     | Inside  |
|              | 1/2<br>15  | 0.75<br>19.05 | 0.25<br>6.35 | 1.42<br>36.07 | 0.22<br>0.10     | Outside |
|              | 3/4<br>20  | 0.75<br>19.05 | 0.25<br>6.35 | 1.42<br>36.07 | 0.18<br>0.08     | Outside |
| 1 1/4<br>32  | 1/4<br>8   | 0.80<br>20.32 | 0.34<br>8.64 | 1.12<br>28.45 | 0.30<br>0.14     | Inside  |
|              | 3/8<br>10  | 0.80<br>20.32 | 0.34<br>8.64 | 1.12<br>28.45 | 0.28<br>0.13     | Inside  |
|              | 1/2<br>15  | 0.80<br>20.32 | 0.34<br>8.64 | 1.34<br>34.04 | 0.32<br>0.15     | Inside  |
|              | 3/4<br>20  | 0.80<br>20.32 | 0.28<br>7.11 | 1.76<br>44.70 | 0.37<br>0.17     | Outside |
| 1 1/2<br>40  | 1<br>25    | 0.80<br>20.32 | 0.28<br>7.11 | 1.76<br>44.70 | 0.30<br>0.14     | Outside |
|              | 1/4<br>8   | 0.83<br>21.08 | 0.37<br>9.40 | 1.12<br>28.45 | 0.38<br>0.17     | Inside  |
|              | 3/8<br>10  | 0.83<br>21.08 | 0.37<br>9.40 | 1.12<br>28.45 | 0.38<br>0.17     | Inside  |
|              | 1/2<br>15  | 0.83<br>21.08 | 0.37<br>9.40 | 1.34<br>34.04 | 0.40<br>0.18     | Inside  |

### Material Specifications

#### Dimensions:

Fittings: ASME B16.3

Unions: ASME B16.39

Bushings/Plugs: ASME B16.14

**Material:** ASTM A-197

**Finish:** Black or Hot Dip Galvanized per ASTM A153 Class A

**Threads\*:** NPT per ASME B1.20.1

#### Pressure Ratings:

Fittings: ASME B16.3

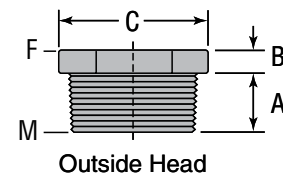
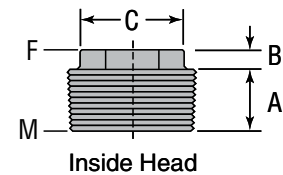
Unions: ASME B16.39

Bushings/Plugs: ASME B16.14

**Pressure Testing:** All malleable iron fittings are tested for through wall porosity using an air under water process.

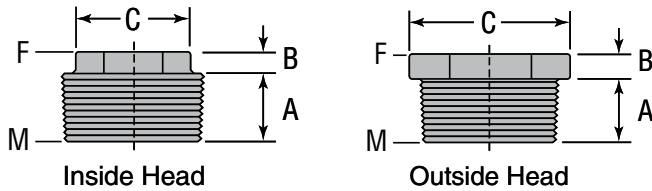
**Agency Approvals:** All malleable iron fittings and unions are UL/ULC Listed and FM Approved.

\*British Standard threading per BS 21 available upon request.



| PROJECT INFORMATION | APPROVAL STAMP    |
|---------------------|-------------------|
| Project:            | Approved          |
| Address:            | Approved as noted |
| Contractor:         | Not approved      |
| Engineer:           | Remarks:          |
| Submittal Date:     |                   |
| Notes 1:            |                   |
| Notes 2:            |                   |

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**Figure 3383** Hex Bushing

| Nominal Size |               | Dimensions    |               |               | Approx. Wt. Each | Hex     |
|--------------|---------------|---------------|---------------|---------------|------------------|---------|
| Male (M)     | Female (F)    | A             | B             | C             |                  |         |
| In. (mm)     | In. (mm)      | In. (mm)      | In. (mm)      | In. (mm)      | Lbs. (kg)        | -       |
| 1½<br>40     | ¾<br>20       | 0.83<br>21.08 | 0.37<br>9.40  | 1.63<br>41.40 | 0.45<br>0.20     | Inside  |
|              | 1<br>25       | 0.83<br>21.08 | 0.31<br>7.87  | 2.00<br>50.80 | 0.46<br>0.21     | Outside |
|              | 1¼<br>32      | 0.83<br>21.08 | 0.31<br>7.87  | 2.00<br>50.80 | 0.31<br>0.14     | Outside |
| 2<br>50      | ¼<br>8        | 0.88<br>22.35 | 0.41<br>10.41 | 1.12<br>28.45 | 0.54<br>0.24     | Inside  |
|              | ½<br>15       | 0.88<br>22.35 | 0.41<br>10.41 | 1.34<br>34.04 | 0.56<br>0.25     | Inside  |
|              | ¾<br>20       | 0.88<br>22.35 | 0.41<br>10.41 | 1.63<br>41.40 | 0.61<br>0.28     | Inside  |
|              | 1<br>25       | 0.88<br>22.35 | 0.41<br>10.41 | 1.95<br>49.53 | 0.65<br>0.29     | Inside  |
|              | 1¼<br>32      | 0.88<br>22.35 | 0.34<br>8.64  | 2.48<br>62.99 | 0.80<br>0.36     | Outside |
| 2½<br>64     | 1½<br>40      | 0.88<br>22.35 | 0.34<br>8.64  | 2.48<br>62.99 | 0.66<br>0.30     | Outside |
|              | ¾<br>20       | 1.07<br>27.18 | 0.44<br>11.18 | 1.63<br>41.40 | 0.98<br>0.44     | Inside  |
|              | 1<br>25       | 1.07<br>27.18 | 0.44<br>11.18 | 1.95<br>49.53 | 1.04<br>0.47     | Inside  |
|              | 1¼<br>32      | 1.07<br>27.18 | 0.44<br>11.18 | 2.39<br>60.71 | 1.10<br>0.50     | Inside  |
|              | 1½<br>40      | 1.07<br>27.18 | 0.44<br>11.18 | 2.68<br>68.07 | 1.38<br>0.63     | Outside |
| 2<br>50      | 1.07<br>27.18 | 0.37<br>9.40  | 2.98<br>75.69 | 0.97<br>0.44  | Outside          |         |

**Figure 3383** Hex Bushing

| Nominal Size |                | Dimensions    |                |                | Approx. Wt. Each | Hex     |
|--------------|----------------|---------------|----------------|----------------|------------------|---------|
| Male (M)     | Female (F)     | A             | B              | C              |                  |         |
| In. (mm)     | In. (mm)       | In. (mm)      | In. (mm)       | In. (mm)       | Lbs. (kg)        | -       |
| 3<br>80      | 1<br>25        | 1.13<br>28.70 | 0.48<br>12.19  | 1.95<br>49.53  | 1.48<br>0.67     | Inside  |
|              | 1¼<br>32       | 1.13<br>28.70 | 0.48<br>12.19  | 2.39<br>60.71  | 1.57<br>0.71     | Inside  |
|              | 1½<br>40       | 1.13<br>28.70 | 0.48<br>12.19  | 2.68<br>68.07  | 1.62<br>0.73     | Inside  |
|              | 2<br>50        | 1.13<br>28.70 | 0.48<br>12.19  | 3.28<br>83.31  | 2.10<br>0.95     | Outside |
|              | 2½<br>65       | 1.13<br>28.70 | 0.40<br>10.16  | 3.86<br>98.04  | 1.84<br>0.83     | Outside |
| 3½<br>90     | 3<br>80        | 1.18<br>29.97 | 0.43<br>10.92  | 4.62<br>117.35 | 2.10<br>0.95     | Outside |
|              | ¾<br>20        | 1.22<br>30.99 | 0.67<br>17.02  | 1.63<br>41.40  | 2.48<br>1.12     | Inside  |
| 4<br>100     | 1<br>25        | 1.22<br>30.99 | 0.60<br>15.24  | 1.95<br>49.53  | 2.60<br>1.18     | Inside  |
|              | 1¼<br>32       | 1.22<br>30.99 | 0.60<br>15.24  | 2.39<br>60.71  | 2.74<br>1.24     | Inside  |
|              | 1½<br>40       | 1.22<br>30.99 | 0.60<br>15.24  | 2.68<br>68.07  | 2.81<br>1.27     | Inside  |
|              | 2<br>50        | 1.22<br>30.99 | 0.60<br>15.24  | 3.28<br>83.31  | 2.91<br>1.32     | Inside  |
|              | 2½<br>65       | 1.22<br>30.99 | 0.60<br>15.24  | 3.86<br>98.04  | 2.98<br>1.35     | Inside  |
| 3<br>80      | 1.22<br>30.999 | 0.50<br>12.70 | 4.62<br>117.35 | 2.93<br>1.33   | Outside          |         |