

# Product Information sheet

## FENDER WASHERS

**Typical Material:** Low Carbon Steel (made from scrap pieces of steel)

**Material and Mechanical Properties:** No requirements

**Dimensions:** ASME B18.21.1

**Other Specifications:** ASTM F844

**Zinc Plating:** Purchased to meet ASTM F1941 FeZn3A

**Hardness:** No hardness requirements exist in the specifications



### FENDER WASHER DIMENSIONS

| Size | ID          | Thickness   |
|------|-------------|-------------|
| 1/8  | 0.150-0.170 | 0.047-0.080 |
| 3/16 | 0.213-0.233 | 0.047-0.080 |
| 1/4  | 0.275-0.295 | 0.047-0.080 |
| 5/16 | 0.338-0.358 | 0.047-0.080 |
| 3/8  | 0.400-0.420 | 0.047-0.080 |
| 1/2  | 0.525-0.545 | 0.047-0.080 |

### OUTSIDE DIAMETER

| Nominal | OD          |
|---------|-------------|
| 9/16    | 0.555-0.592 |
| 5/8     | 0.617-0.654 |
| 3/4     | 0.742-0.779 |
| 1       | 0.992-1.018 |
| 1 1/8   | 1.117-1.154 |
| 1 1/4   | 1.242-1.279 |
| 1 1/2   | 1.492-1.529 |
| 2       | 1.992-2.029 |

\*Actual Dimensions of I.D. and O.D. may differ slightly as specification ASME B18.21.1 was recently revised to include fender washers. No specification existed for fender washer prior to the 2009 revision of ASME B18.21.1



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