

## Boss Ductile Flanges

## Lap-Joint



## Features

- ANSI B16.5 class 150 lb. bolt circle

## Material

- Ductile iron ASTM A-395 (60-40-18)

| Size   | I.D.  | O.D.  | Thickness | Hub at Base | Length Through Hub | Inside Corner Radius | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|--------|-------|-------|-----------|-------------|--------------------|----------------------|--------------------|----------------------|---------------------|
| 1"     | 1.38  | 4.25  | 0.56      | 1.94        | 0.69               | 0.13                 | 0.63               | 3.12                 | LJD100              |
| 1-1/2" | 1.97  | 5.00  | 0.69      | 2.56        | 0.88               | 0.25                 | 0.63               | 3.88                 | LJD150              |
| 2"     | 2.46  | 6.00  | 0.75      | 3.06        | 1.00               | 0.31                 | 0.75               | 4.75                 | LJD200              |
| 3"     | 3.60  | 7.50  | 0.94      | 4.25        | 1.19               | 0.38                 | 0.75               | 6.00                 | LJD300              |
| 4"     | 4.60  | 9.00  | 0.94      | 5.31        | 1.31               | 0.44                 | 0.75               | 7.50                 | LJD400              |
| 6"     | 6.75  | 11.00 | 1.00      | 7.56        | 1.56               | 0.50                 | 0.88               | 9.50                 | LJD600              |
| 8"     | 8.75  | 13.50 | 1.12      | 9.69        | 1.75               | 0.50                 | 0.88               | 11.75                | LJD800              |
| 10"    | 10.92 | 16.00 | 1.19      | 12.00       | 1.94               | 0.50                 | 1.00               | 14.25                | LJD1000             |
| 12"    | 12.92 | 19.00 | 1.25      | 14.38       | 2.19               | 0.50                 | 1.00               | 17.00                | LJD1200             |



## Slip-on Angle Ring

## Feature

- ANSI B16.5 class 150 lb. bolt circle

## Material

- Ductile iron ASTM A-536 (65-45-12)

| Size   | I.D.  | O.D. | Thickness | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|--------|-------|------|-----------|--------------------|----------------------|---------------------|
| 1"     | 1.75  | 4.5  | 0.50      | 0.63               | 3.13                 | BFAR100             |
| 1-1/2" | 2.25  | 5.0  | 0.50      | 0.63               | 3.88                 | BFAR150             |
| 2"     | 2.75  | 6.0  | 0.50      | 0.75               | 4.75                 | BFAR200             |
| 3"     | 3.88  | 7.5  | 0.50      | 0.75               | 6.00                 | BFAR300             |
| 4"     | 4.93  | 9.0  | 0.56      | 0.75               | 7.50                 | BFAR400             |
| 6"     | 7.13  | 11.0 | 0.63      | 0.88               | 9.50                 | BFAR600             |
| 8"     | 9.19  | 13.5 | 0.63      | 0.88               | 11.75                | BFAR800             |
| 10"    | 11.31 | 16.0 | 0.63      | 1.00               | 14.25                | BFAR1000            |
| 12"    | 13.38 | 19.0 | 0.75      | 1.00               | 17.00                | BFAR1200            |
| 14"    | 14.88 | 21.0 | 0.75      | 1.13               | 18.75                | BFAR1400            |
| 16"    | 16.88 | 23.5 | 0.75      | 1.13               | 21.25                | BFAR1600            |
| 18"    | 18.88 | 25.0 | 0.88      | 1.25               | 22.75                | BFAR1800            |



## Back-up Flange for Stub End

## Feature

- ANSI B16.5 class 150 lb. bolt circle

## Material

- Ductile iron ASTM A-536 (65-45-12)

| Size   | I.D. | O.D. | Thickness | Bolt Hole Diameter | Bolt Circle Diameter | Ductile Iron Part # |
|--------|------|------|-----------|--------------------|----------------------|---------------------|
| 1"     | 1.38 | 4.3  | 0.50      | 0.63               | 3.13                 | BFSE100             |
| 1-1/2" | 1.97 | 5.0  | 0.50      | 0.75               | 3.88                 | BFSE150             |
| 2"     | 2.44 | 6.0  | 0.50      | 0.75               | 4.75                 | BFSE200             |
| 3"     | 3.56 | 7.5  | 0.50      | 0.75               | 6.00                 | BFSE300             |
| 4"     | 4.56 | 9.0  | 0.56      | 0.75               | 7.50                 | BFSE400             |
| 6"     | 6.75 | 11.0 | 0.63      | 0.88               | 9.50                 | BFSE600             |
| 8"     | 8.75 | 13.5 | 0.63      | 0.88               | 11.75                | BFSE800             |

