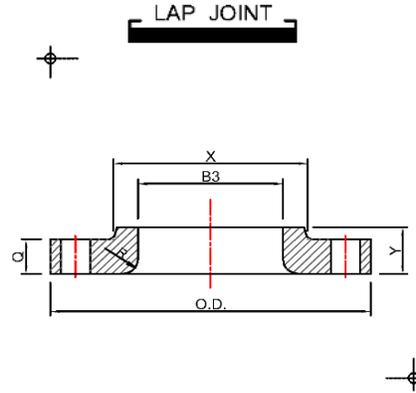


Project Name: \_\_\_\_\_  
 Job #: \_\_\_\_\_

## CLASS 300 LAP JOINT FLANGES

### ASME B16.9 & ASTM A234 WPB



Source:  Import  Domestic  Approved

### DIMENSIONS

UOM: Inches/LBS

| PIPE SIZE         | OUTSIDE DIAMETER OF FLANGE (O.D.) | THICKNESS OF FLANGE (Min.) (Q) |            | THICKNESS OF LAPJOINT (Min.) (Q) | DIAMETER OF HUB (X) | LENGTH THROUGH HUB | BORE  | LAP JOINT RADIUS (R) |
|-------------------|-----------------------------------|--------------------------------|------------|----------------------------------|---------------------|--------------------|-------|----------------------|
| <b>ASME B16.5</b> |                                   |                                |            |                                  |                     |                    |       |                      |
| 1/2               | 3.75                              | 0.50                           | 0.56       | 0.56                             | 1.50                | 0.88               | 0.90  | 0.12                 |
| 3/4               | 4.62                              | 0.56                           | 0.62       | 0.62                             | 1.88                | 1.00               | 1.11  | 0.12                 |
| 1                 | 4.88                              | 0.62                           | 0.69       | 0.69                             | 2.12                | 1.06               | 1.38  | 0.12                 |
| 1 1/4             | 5.25                              | 0.69                           | 0.75       | 0.75                             | 2.50                | 1.06               | 1.72  | 0.19                 |
| 1 1/2             | 6.12                              | 0.75                           | 0.81       | 0.81                             | 2.75                | 1.19               | 1.97  | 0.25                 |
| 2                 | 6.50                              | 0.81                           | 0.88       | 0.88                             | 3.31                | 1.31               | 2.46  | 0.31                 |
| 2 1/2             | 7.50                              | 0.94                           | 1.00       | 1.00                             | 3.94                | 1.50               | 2.97  | 0.31                 |
| 3                 | 8.25                              | 1.06                           | 1.12       | 1.12                             | 4.62                | 1.69               | 3.60  | 0.38                 |
| 3 1/2             | 9.00                              | 1.12                           | 1.19       | 1.19                             | 5.25                | 1.75               | 4.10  | 0.38                 |
| 4                 | 10.00                             | 1.19                           | 1.25       | 1.25                             | 5.75                | 1.88               | 4.60  | 0.44                 |
| 5                 | 11.00                             | 1.31                           | 1.38       | 1.38                             | 7.00                | 2.00               | 5.69  | 0.44                 |
| 6                 | 12.50                             | 1.38                           | 1.44       | 1.44                             | 8.12                | 2.06               | 6.75  | 0.50                 |
| 8                 | 15.00                             | 1.56                           | 1.62       | 1.62                             | 10.25               | 2.44               | 8.75  | 0.50                 |
| 10                | 17.50                             | 1.81                           | 1.88       | 1.88                             | 12.62               | 3.75               | 10.92 | 0.50                 |
| 12                | 20.50                             | 1.94                           | 2.00       | 2.00                             | 14.75               | 4.00               | 12.92 | 0.50                 |
| 14                | 23.00                             | 2.06                           | 2.12       | 2.12                             | 16.75               | 4.38               | 14.18 | 0.50                 |
| 16                | 25.50                             | 2.19                           | 2.25       | 2.25                             | 19.00               | 4.75               | 16.19 | 0.50                 |
| 18                | 28.00                             | 2.31                           | 2.38       | 2.38                             | 21.00               | 5.12               | 18.20 | 0.50                 |
| 20                | 30.50                             | 2.44                           | 2.50       | 2.50                             | 23.12               | 5.50               | 20.25 | 0.50                 |
| 24                | 36.00                             | 2.69                           | 2.75       | 2.75                             | 27.62               | 6.00               | 24.25 | 0.50                 |
|                   |                                   | <b>WN</b>                      | <b>BLD</b> | <b>ASME B16.47 SERIES A</b>      |                     |                    |       |                      |
| 30                | 43.00                             | 3.57                           | 3.69       |                                  | 32.56               |                    |       |                      |
| 36                | 50.00                             | 4.07                           | 4.32       |                                  | 39.00               |                    |       |                      |
| 42                | 50.75                             | 4.63                           | 4.63       |                                  | 43.25               |                    |       |                      |
| 48                | 57.75                             | 5.19                           | 5.19       |                                  | 49.38               |                    |       |                      |
|                   |                                   | <b>WN</b>                      | <b>BLD</b> | <b>ASME B16.47 SERIES B</b>      |                     |                    |       |                      |
| 30                | 39.00                             | 3.63                           | 3.63       |                                  | 32.00               |                    |       |                      |
| 36                | 46.12                             | 4.00                           | 4.00       |                                  | 38.00               |                    |       |                      |
| 42                | 52.50                             | 4.63                           | 4.63       |                                  | 44.00               |                    |       |                      |
| 48                | 59.50                             | 5.00                           | 5.00       |                                  | 50.31               |                    |       |                      |

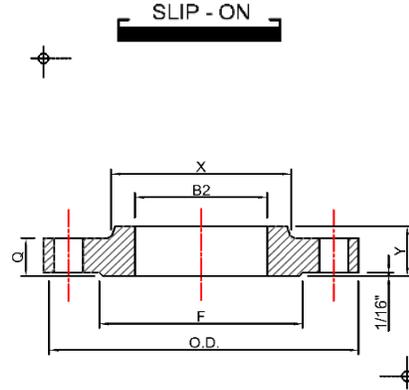
FLANGES 300 - LAP JOINT

Project Name: \_\_\_\_\_

Job #: \_\_\_\_\_

## CLASS 300 SLIP - ON FLANGES

ASME B16.9 & ASTM A234 WPB



Source:  Import  Domestic  Approved

### DIMENSIONS

UOM: Inches/LBS

| PIPE SIZE         | OUTSIDE DIAMETER OF FLANGE (O.D.) | THICKNESS OF FLANGE (Min.) (Q) |            | DIAMETER OF HUB (X) | LENGTH THROUGH HUB          | BORE  |
|-------------------|-----------------------------------|--------------------------------|------------|---------------------|-----------------------------|-------|
| <b>ASME B16.5</b> |                                   |                                |            |                     |                             |       |
| 1/2               | 3.75                              | 0.50                           |            | 1.50                | 0.81                        | 0.88  |
| 3/4               | 4.62                              | 0.56                           |            | 1.88                | 0.94                        | 1.09  |
| 1                 | 4.88                              | 0.62                           |            | 2.12                | 1.00                        | 1.36  |
| 1 1/4             | 5.25                              | 0.69                           |            | 2.50                | 1.00                        | 1.70  |
| 1 1/2             | 6.12                              | 0.75                           |            | 2.75                | 1.13                        | 1.95  |
| 2                 | 6.50                              | 0.81                           |            | 3.31                | 1.25                        | 2.44  |
| 2 1/2             | 7.50                              | 0.94                           |            | 3.94                | 1.44                        | 2.94  |
| 3                 | 8.25                              | 1.06                           |            | 4.62                | 1.63                        | 3.57  |
| 3 1/2             | 9.00                              | 1.12                           |            | 5.25                | 1.69                        | 4.07  |
| 4                 | 10.00                             | 1.19                           |            | 5.75                | 1.82                        | 4.57  |
| 5                 | 11.00                             | 1.31                           |            | 7.00                | 1.94                        | 5.66  |
| 6                 | 12.50                             | 1.38                           |            | 8.12                | 2.00                        | 6.72  |
| 8                 | 15.00                             | 1.56                           |            | 10.25               | 2.38                        | 8.72  |
| 10                | 17.50                             | 1.81                           |            | 12.62               | 2.56                        | 10.88 |
| 12                | 20.50                             | 1.94                           |            | 14.75               | 2.82                        | 12.88 |
| 14                | 23.00                             | 2.06                           |            | 16.75               | 2.94                        | 14.14 |
| 16                | 25.50                             | 2.19                           |            | 19.00               | 3.19                        | 16.16 |
| 18                | 28.00                             | 2.31                           |            | 21.00               | 3.44                        | 18.18 |
| 20                | 30.50                             | 2.44                           |            | 23.12               | 3.69                        | 20.20 |
| 24                | 36.00                             | 2.69                           |            | 27.62               | 4.13                        | 24.25 |
|                   |                                   | <b>WN</b>                      | <b>BLD</b> |                     | <b>ASME B16.47 SERIES A</b> |       |
| 30                | 43.00                             | 3.57                           | 3.69       | 32.56               |                             |       |
| 36                | 50.00                             | 4.07                           | 4.32       | 39.00               |                             |       |
| 42                | 50.75                             | 4.63                           | 4.63       | 43.25               |                             |       |
| 48                | 57.75                             | 5.19                           | 5.19       | 49.38               |                             |       |
|                   |                                   | <b>WN</b>                      | <b>BLD</b> |                     | <b>ASME B16.47 SERIES B</b> |       |
| 30                | 39.00                             | 3.63                           | 3.63       | 32.00               |                             |       |
| 36                | 46.12                             | 4.00                           | 4.00       | 38.00               |                             |       |
| 42                | 52.50                             | 4.63                           | 4.63       | 44.00               |                             |       |
| 48                | 59.50                             | 5.00                           | 5.00       | 50.31               |                             |       |

**FLANGES 300 - SLIP - ON**

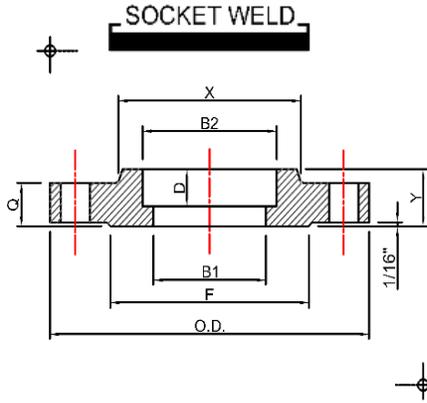
Project Name: \_\_\_\_\_

Job #: \_\_\_\_\_

## CLASS 300 SOCKET WELD FLANGES

ASME B16.9 & ASTM A234 WPB

FLANGES 300 - SOCKET WELD



Source:  Import  Domestic  Approved

### DIMENSIONS

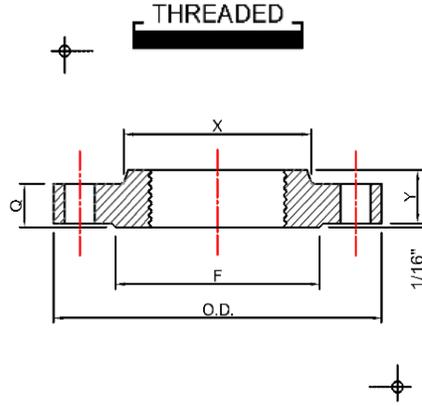
UOM: Inches/LBS

| PIPE SIZE         | OUTSIDE DIAMETER OF FLANGE (O.D.) | THICKNESS OF FLANGE (Min.) (Q) |      | DIAMETER OF HUB (X)         | LENGTH THROUGH HUB | BORE  | DEPTH OF SOCKET (D) |
|-------------------|-----------------------------------|--------------------------------|------|-----------------------------|--------------------|-------|---------------------|
| <b>ASME B16.5</b> |                                   |                                |      |                             |                    |       |                     |
| 1/2               | 3.75                              | 0.50                           |      | 1.50                        | 0.81               | 0.88  | 0.38                |
| 3/4               | 4.62                              | 0.56                           |      | 1.88                        | 0.94               | 1.09  | 0.44                |
| 1                 | 4.88                              | 0.62                           |      | 2.12                        | 1.00               | 1.36  | 0.50                |
| 1 1/4             | 5.25                              | 0.69                           |      | 2.50                        | 1.00               | 1.70  | 0.56                |
| 1 1/2             | 6.12                              | 0.75                           |      | 2.75                        | 1.13               | 1.95  | 0.62                |
| 2                 | 6.50                              | 0.81                           |      | 3.31                        | 1.25               | 2.44  | 0.69                |
| 2 1/2             | 7.50                              | 0.94                           |      | 3.94                        | 1.44               | 2.94  | 0.75                |
| 3                 | 8.25                              | 1.06                           |      | 4.62                        | 1.63               | 3.57  | 0.81                |
| 3 1/2             | 9.00                              | 1.12                           |      | 5.25                        | 1.69               | 4.07  |                     |
| 4                 | 10.00                             | 1.19                           |      | 5.75                        | 1.82               | 4.57  |                     |
| 5                 | 11.00                             | 1.31                           |      | 7.00                        | 1.94               | 5.66  |                     |
| 6                 | 12.50                             | 1.38                           |      | 8.12                        | 2.00               | 6.72  |                     |
| 8                 | 15.00                             | 1.56                           |      | 10.25                       | 2.38               | 8.72  |                     |
| 10                | 17.50                             | 1.81                           |      | 12.62                       | 2.56               | 10.88 |                     |
| 12                | 20.50                             | 1.94                           |      | 14.75                       | 2.82               | 12.88 |                     |
| 14                | 23.00                             | 2.06                           |      | 16.75                       | 2.94               | 14.14 |                     |
| 16                | 25.50                             | 2.19                           |      | 19.00                       | 3.19               | 16.16 |                     |
| 18                | 28.00                             | 2.31                           |      | 21.00                       | 3.44               | 18.18 |                     |
| 20                | 30.50                             | 2.44                           |      | 23.12                       | 3.69               | 20.20 |                     |
| 24                | 36.00                             | 2.69                           |      | 27.62                       | 4.13               | 24.25 |                     |
|                   |                                   | WN                             | BLD  | <b>ASME B16.47 SERIES A</b> |                    |       |                     |
| 30                | 43.00                             | 3.57                           | 3.69 | 32.56                       |                    |       |                     |
| 36                | 50.00                             | 4.07                           | 4.32 | 39.00                       |                    |       |                     |
| 42                | 50.75                             | 4.63                           | 4.63 | 43.25                       |                    |       |                     |
| 48                | 57.75                             | 5.19                           | 5.19 | 49.38                       |                    |       |                     |
|                   |                                   | WN                             | BLD  | <b>ASME B16.47 SERIES B</b> |                    |       |                     |
| 30                | 39.00                             | 3.63                           | 3.63 | 32.00                       |                    |       |                     |
| 36                | 46.12                             | 4.00                           | 4.00 | 38.00                       |                    |       |                     |
| 42                | 52.50                             | 4.63                           | 4.63 | 44.00                       |                    |       |                     |
| 48                | 59.50                             | 5.00                           | 5.00 | 50.31                       |                    |       |                     |

Project Name: \_\_\_\_\_  
 Job #: \_\_\_\_\_

## CLASS 300 THREADED FLANGES

### ASME B16.9 & ASTM A234 WPB



Source:  Import  Domestic  Approved

## DIMENSIONS

UOM: Inches/LBS

| PIPE SIZE  | OUTSIDE DIAMETER OF FLANGE (O.D.) | THICKNESS OF FLANGE (Min.) (Q) |      | DIAMETER OF HUB (X)  | LENGTH THROUGH HUB | MIN. COUNTER BORE THREADED FLANGE | BORE  |
|------------|-----------------------------------|--------------------------------|------|----------------------|--------------------|-----------------------------------|-------|
| ASME B16.5 |                                   |                                |      |                      |                    |                                   |       |
| 1/2        | 3.75                              | 0.50                           |      | 1.50                 | 0.81               | 0.93                              | 0.88  |
| 3/4        | 4.62                              | 0.56                           |      | 1.88                 | 0.94               | 1.14                              | 1.09  |
| 1          | 4.88                              | 0.62                           |      | 2.12                 | 1.00               | 1.41                              | 1.36  |
| 1 1/4      | 5.25                              | 0.69                           |      | 2.50                 | 1.00               | 1.75                              | 1.70  |
| 1 1/2      | 6.12                              | 0.75                           |      | 2.75                 | 1.13               | 1.98                              | 1.95  |
| 2          | 6.50                              | 0.81                           |      | 3.31                 | 1.25               | 2.50                              | 2.44  |
| 2 1/2      | 7.50                              | 0.94                           |      | 3.94                 | 1.44               | 3.00                              | 2.94  |
| 3          | 8.25                              | 1.06                           |      | 4.62                 | 1.63               | 3.63                              | 3.57  |
| 3 1/2      | 9.00                              | 1.12                           |      | 5.25                 | 1.69               | 4.13                              | 4.07  |
| 4          | 10.00                             | 1.19                           |      | 5.75                 | 1.82               | 4.63                              | 4.57  |
| 5          | 11.00                             | 1.31                           |      | 7.00                 | 1.94               | 5.69                              | 5.66  |
| 6          | 12.50                             | 1.38                           |      | 8.12                 | 2.00               | 6.75                              | 6.72  |
| 8          | 15.00                             | 1.56                           |      | 10.25                | 2.38               | 8.75                              | 8.72  |
| 10         | 17.50                             | 1.81                           |      | 12.62                | 2.56               | 10.88                             | 10.88 |
| 12         | 20.50                             | 1.94                           |      | 14.75                | 2.82               | 12.94                             | 12.88 |
| 14         | 23.00                             | 2.06                           |      | 16.75                | 2.94               | 14.19                             | 14.14 |
| 16         | 25.50                             | 2.19                           |      | 19.00                | 3.19               | 16.19                             | 16.16 |
| 18         | 28.00                             | 2.31                           |      | 21.00                | 3.44               | 18.19                             | 18.18 |
| 20         | 30.50                             | 2.44                           |      | 23.12                | 3.69               | 20.19                             | 20.20 |
| 24         | 36.00                             | 2.69                           |      | 27.62                | 4.13               | 24.19                             | 24.25 |
|            |                                   | WN                             | BLD  | ASME B16.47 SERIES A |                    |                                   |       |
| 30         | 43.00                             | 3.57                           | 3.69 | 32.56                |                    |                                   |       |
| 36         | 50.00                             | 4.07                           | 4.32 | 39.00                |                    |                                   |       |
| 42         | 50.75                             | 4.63                           | 4.63 | 43.25                |                    |                                   |       |
| 48         | 57.75                             | 5.19                           | 5.19 | 49.38                |                    |                                   |       |
|            |                                   | WN                             | BLD  | ASME B16.47 SERIES B |                    |                                   |       |
| 30         | 39.00                             | 3.63                           | 3.63 | 32.00                |                    |                                   |       |
| 36         | 46.12                             | 4.00                           | 4.00 | 38.00                |                    |                                   |       |
| 42         | 52.50                             | 4.63                           | 4.63 | 44.00                |                    |                                   |       |
| 48         | 59.50                             | 5.00                           | 5.00 | 50.31                |                    |                                   |       |

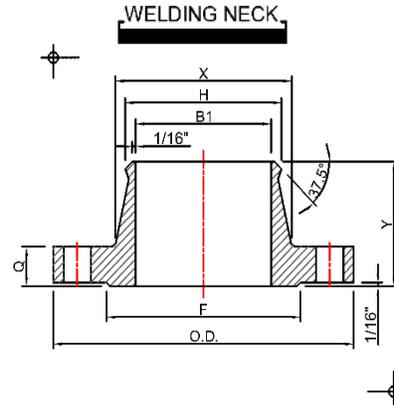
FLANGES 300 - THREADED

Project Name: \_\_\_\_\_

Job #: \_\_\_\_\_

## CLASS 300 WELD NECK FLANGES

ASME B16.9 & ASTM A234 WPB



Source:  Import  Domestic  Approved

### DIMENSIONS

UOM: Inches/LBS

| PIPE SIZE         | OUTSIDE DIAMETER OF FLANGE (O.D.) | THICKNESS OF FLANGE (Min.) (Q) |      | DIAMETER OF HUB (X)         | DIAMETER OF WELD NECK (B3) | LENGTH THROUGH HUB | BORE  |
|-------------------|-----------------------------------|--------------------------------|------|-----------------------------|----------------------------|--------------------|-------|
| <b>ASME B16.5</b> |                                   |                                |      |                             |                            |                    |       |
| 1/2               | 3.75                              | 0.50                           |      | 1.50                        | 0.84                       | 2.00               | 0.62  |
| 3/4               | 4.62                              | 0.56                           |      | 1.88                        | 1.05                       | 2.19               | 0.82  |
| 1                 | 4.88                              | 0.62                           |      | 2.12                        | 1.32                       | 2.38               | 1.05  |
| 1 1/4             | 5.25                              | 0.69                           |      | 2.50                        | 1.66                       | 2.50               | 1.38  |
| 1 1/2             | 6.12                              | 0.75                           |      | 2.75                        | 1.90                       | 2.63               | 1.61  |
| 2                 | 6.50                              | 0.81                           |      | 3.31                        | 2.38                       | 2.69               | 2.07  |
| 2 1/2             | 7.50                              | 0.94                           |      | 3.94                        | 2.88                       | 2.94               | 2.47  |
| 3                 | 8.25                              | 1.06                           |      | 4.62                        | 3.50                       | 3.06               | 3.07  |
| 3 1/2             | 9.00                              | 1.12                           |      | 5.25                        | 4.00                       | 3.13               | 3.55  |
| 4                 | 10.00                             | 1.19                           |      | 5.75                        | 4.50                       | 3.32               | 4.03  |
| 5                 | 11.00                             | 1.31                           |      | 7.00                        | 5.56                       | 3.82               | 5.05  |
| 6                 | 12.50                             | 1.38                           |      | 8.12                        | 6.63                       | 3.82               | 6.07  |
| 8                 | 15.00                             | 1.56                           |      | 10.25                       | 8.63                       | 4.32               | 7.98  |
| 10                | 17.50                             | 1.81                           |      | 12.62                       | 10.75                      | 4.56               | 10.02 |
| 12                | 20.50                             | 1.94                           |      | 14.75                       | 12.75                      | 5.06               | 12.00 |
| 14                | 23.00                             | 2.06                           |      | 16.75                       | 14.00                      | 5.56               | 13.25 |
| 16                | 25.50                             | 2.19                           |      | 19.00                       | 16.00                      | 5.69               | 15.25 |
| 18                | 28.00                             | 2.31                           |      | 21.00                       | 18.00                      | 6.19               | 17.25 |
| 20                | 30.50                             | 2.44                           |      | 23.12                       | 20.00                      | 6.32               | 19.25 |
| 24                | 36.00                             | 2.69                           |      | 27.62                       | 24.00                      | 6.56               | 23.25 |
|                   |                                   | WN                             | BLD  | <b>ASME B16.47 SERIES A</b> |                            |                    |       |
| 30                | 43.00                             | 3.57                           | 3.69 | 32.56                       | 30.00                      | 8.19               |       |
| 36                | 50.00                             | 4.07                           | 4.32 | 39.00                       | 36.00                      | 9.44               |       |
| 42                | 50.75                             | 4.63                           | 4.63 | 43.25                       | 42.00                      | 7.82               |       |
| 48                | 57.75                             | 5.19                           | 5.19 | 49.38                       | 48.00                      | 8.75               |       |
|                   |                                   | WN                             | BLD  | <b>ASME B16.47 SERIES B</b> |                            |                    |       |
| 30                | 39.00                             | 3.63                           | 3.63 | 32.00                       | 30.25                      | 6.16               |       |
| 36                | 46.12                             | 4.00                           | 4.00 | 38.00                       | 36.25                      | 7.06               |       |
| 42                | 52.50                             | 4.63                           | 4.63 | 44.00                       | 42.31                      | 8.00               |       |
| 48                | 59.50                             | 5.00                           | 5.00 | 50.31                       | 48.31                      | 8.75               |       |

**FLANGES 300 - WELDNECK**

