

Backing Flanges & Stub Ends

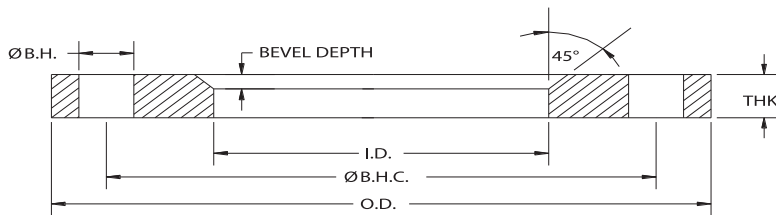
Domestic & Import



Backing Flanges

PART NUMBER STRUCTURE

| Part Number Section | Options |
|---------------------|--|
| Type | Backing Flange for Angle Face Ring: ABF = Ductile Iron (Painted) SABF = Stainless Steel Backing Flange for Stub End BF = Ductile Iron (Painted) GBF = Ductile Iron (Hot Dip Galvanized) |
| Size | XXXX = Size in inches going out 2 decimal places |
| Other | 16 = O.D. Tube Size DI = Ductile Iron |



DUCTILE IRON BACKING FLANGES FOR ANGLE FACE RINGS

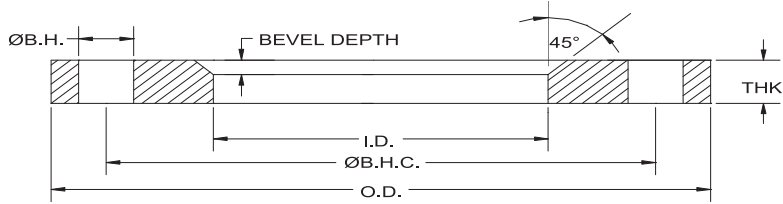
| API Part Number | Size | O.D. | I.D. | Ø B.H.C. | Ø B.H. | # B.H | THK | Bevel Depth | Weight lbs |
|-----------------|------|-------|-------|----------|--------|-------|-------|-------------|------------|
| ABF0050-DI | 0.5 | 3.50 | 1.25 | 2.38 | 0.630 | 4 | 0.500 | 0.250 | 0.9 |
| ABF0075-DI | 0.75 | 3.88 | 1.44 | 2.75 | 0.630 | 4 | 0.500 | 0.250 | 1.1 |
| ABF0100-DI | 1 | 4.25 | 1.69 | 3.13 | 0.630 | 4 | 0.500 | 0.250 | 1.3 |
| ABF0125-DI | 1.25 | 4.63 | 2.06 | 3.50 | 0.630 | 4 | 0.500 | 0.250 | 1.5 |
| ABF0150-DI | 1.5 | 5.00 | 2.25 | 3.88 | 0.630 | 4 | 0.500 | 0.250 | 1.9 |
| ABF0200-DI | 2 | 6.00 | 2.88 | 4.75 | 0.750 | 4 | 0.500 | 0.250 | 2.5 |
| ABF0250-DI | 2.5 | 7.00 | 3.38 | 5.50 | 0.750 | 4 | 0.500 | 0.250 | 3.5 |
| ABF0300-DI | 3 | 7.50 | 4.00 | 6.00 | 0.750 | 4 | 0.500 | 0.250 | 4.0 |
| ABF0400-DI | 4 | 9.00 | 5.00 | 7.50 | 0.750 | 8 | 0.562 | 0.250 | 6.5 |
| ABF0600-DI | 6 | 11.00 | 7.25 | 9.50 | 0.875 | 8 | 0.630 | 0.250 | 8.0 |
| ABF0800-DI | 8 | 13.50 | 9.25 | 11.75 | 0.875 | 8 | 0.630 | 0.250 | 11.5 |
| ABF1000-DI | 10 | 16.00 | 11.44 | 14.25 | 1.000 | 12 | 0.630 | 0.312 | 15.0 |
| ABF1200-DI | 12 | 19.00 | 13.63 | 17.00 | 1.000 | 12 | 0.750 | 0.312 | 26.0 |
| ABF1400-DI | 14 | 21.00 | 14.88 | 18.75 | 1.125 | 12 | 0.750 | 0.312 | 26.5 |
| ABF1600-DI | 16 | 23.50 | 16.88 | 21.25 | 1.125 | 16 | 0.750 | 0.312 | 37.0 |
| ABF1800-DI | 18 | 25.00 | 18.88 | 22.75 | 1.250 | 16 | 0.880 | 0.375 | 42.0 |
| ABF2000-DI | 20 | 27.50 | 20.88 | 25.00 | 1.250 | 20 | 0.880 | 0.375 | 51.0 |
| ABF2400-DI | 24 | 32.00 | 24.88 | 29.50 | 1.375 | 20 | 1.000 | 0.375 | 76.0 |
| ABF3000-DI | 30 | 38.75 | 30.88 | 36.00 | 1.375 | 28 | 1.000 | 0.500 | 104.0 |
| ABF3600-DI | 36 | 46.00 | 36.88 | 42.75 | 1.625 | 32 | 1.250 | 0.500 | 166.0 |
| ABF4200-DI | 42 | 53.00 | 42.91 | 49.50 | 1.625 | 36 | 1.250 | 0.500 | 208.0 |
| ABF4800-DI | 48 | 59.50 | 48.91 | 56.00 | 1.625 | 44 | 1.250 | 0.500 | 246.0 |

Notes:

- a. Material conforms to ASTM A536.
- b. Meets ANSI class 150 pattern.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

DC# 0524



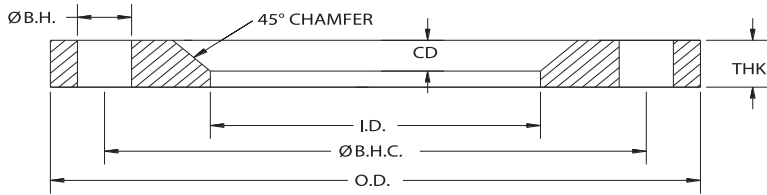
STAINLESS STEEL BACKING FLANGES FOR ANGLE FACE RINGS

| API Part Number | Size | O.D. | I.D. | Ø B.H.C. | Ø B.H. | # B.H | THK | Bevel Depth | Weight lbs |
|-----------------|------|-------|-------|----------|--------|-------|-------|-------------|------------|
| SABF0050 | 0.5 | 3.50 | 1.25 | 2.38 | 0.630 | 4 | 0.500 | 0.250 | 0.9 |
| SABF0075 | 0.75 | 3.88 | 1.44 | 2.75 | 0.630 | 4 | 0.500 | 0.250 | 1.1 |
| SABF0100 | 1 | 4.25 | 1.69 | 3.13 | 0.630 | 4 | 0.500 | 0.250 | 1.3 |
| SABF0125 | 1.25 | 4.63 | 2.06 | 3.50 | 0.630 | 4 | 0.500 | 0.250 | 1.5 |
| SABF0150 | 1.5 | 5.00 | 2.25 | 3.88 | 0.630 | 4 | 0.500 | 0.250 | 1.9 |
| SABF0200 | 2 | 6.00 | 2.88 | 4.75 | 0.750 | 4 | 0.500 | 0.250 | 2.5 |
| SABF0250 | 2.5 | 7.00 | 3.38 | 5.50 | 0.750 | 4 | 0.500 | 0.250 | 3.5 |
| SABF0300 | 3 | 7.50 | 4.00 | 6.00 | 0.750 | 4 | 0.500 | 0.250 | 4.0 |
| SABF0400 | 4 | 9.00 | 5.00 | 7.50 | 0.750 | 8 | 0.562 | 0.250 | 6.0 |
| SABF0500 | 5 | 10.00 | 6.06 | 8.50 | 0.875 | 8 | 0.500 | 0.250 | 6.5 |
| SABF0600 | 6 | 11.00 | 7.25 | 9.50 | 0.875 | 8 | 0.630 | 0.250 | 8.0 |
| SABF0800 | 8 | 13.50 | 9.25 | 11.75 | 0.875 | 8 | 0.630 | 0.250 | 11.5 |
| SABF1000 | 10 | 16.00 | 11.44 | 14.25 | 1.000 | 12 | 0.630 | 0.312 | 15.0 |
| SABF1200 | 12 | 19.00 | 13.63 | 17.00 | 1.000 | 12 | 0.630 | 0.312 | 26.0 |
| SABF1400 | 14 | 21.00 | 14.88 | 18.75 | 1.125 | 12 | 0.630 | 0.312 | 26.5 |
| SABF1600 | 16 | 23.50 | 16.88 | 21.25 | 1.125 | 16 | 0.750 | 0.312 | 37.0 |
| SABF1800 | 18 | 25.00 | 18.88 | 22.75 | 1.250 | 16 | 0.880 | 0.375 | 42.0 |
| SABF2000 | 20 | 27.50 | 20.88 | 25.00 | 1.250 | 20 | 0.880 | 0.375 | 51.0 |
| SABF2400 | 24 | 32.00 | 24.88 | 29.50 | 1.375 | 20 | 1.000 | 0.375 | 76.0 |
| SABF3000 | 30 | 38.75 | 30.88 | 36.00 | 1.375 | 28 | 1.000 | 0.500 | 104.0 |
| SABF3600 | 36 | 46.00 | 36.88 | 42.75 | 1.625 | 32 | 1.250 | 0.500 | 166.0 |
| SABF4200 | 42 | 53.00 | 42.91 | 49.50 | 1.625 | 36 | 1.250 | 0.500 | 220.0 |
| SABF4800 | 48 | 59.50 | 48.91 | 56.00 | 1.625 | 44 | 1.250 | 0.500 | 262.0 |

Note:

- a. All Stainless Steel flanges available in Dual Grade 304/304L or 316/316L.
- b. Meets ANSI class 150 pattern.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.



DUCTILE IRON BACKING FLANGES FOR STUB ENDS

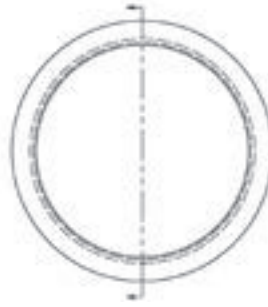
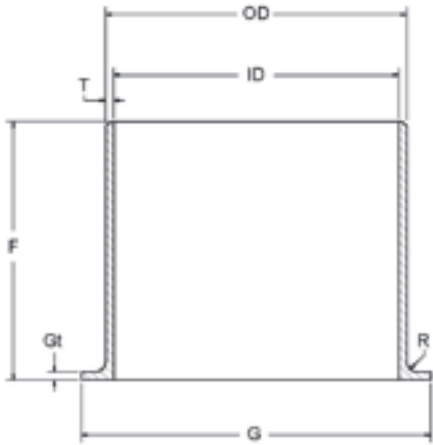
| API Part Number | Size | O.D. | I.D. | Ø B.H.C. | Ø B.H. | # B.H | THK | Bevel Depth | Weight lbs |
|-----------------|------|-------|-------|----------|--------|-------|-------|-------------|------------|
| (G)BF0050-DI | 0.5 | 3.50 | 0.91 | 2.38 | 0.630 | 4 | 0.438 | 0.130 | 1.2 |
| (G)BF0075-DI | 0.75 | 3.88 | 1.11 | 2.75 | 0.630 | 4 | 0.500 | 0.130 | 1.3 |
| (G)BF0100-DI | 1 | 4.25 | 1.38 | 3.13 | 0.630 | 4 | 0.500 | 0.130 | 1.6 |
| (G)BF0125-DI | 1.25 | 4.63 | 1.72 | 3.50 | 0.630 | 4 | 0.500 | 0.190 | 1.9 |
| (G)BF0150-DI | 1.5 | 5.00 | 1.97 | 3.88 | 0.630 | 4 | 0.500 | 0.250 | 2.6 |
| (G)BF0200-DI | 2 | 6.00 | 2.46 | 4.75 | 0.750 | 4 | 0.500 | 0.320 | 2.7 |
| (G)BF0250-DI | 2.5 | 7.00 | 2.97 | 5.50 | 0.750 | 4 | 0.500 | 0.320 | 2.8 |
| (G)BF0300-DI | 3 | 7.50 | 3.60 | 6.00 | 0.750 | 4 | 0.500 | 0.380 | 4.5 |
| (G)BF0400-DI | 4 | 9.00 | 4.60 | 7.50 | 0.750 | 8 | 0.563 | 0.440 | 6.1 |
| (G)BF0500-DI | 5 | 10.00 | 5.69 | 8.50 | 0.875 | 8 | 0.630 | 0.440 | 7.2 |
| (G)BF0600-DI | 6 | 11.00 | 6.75 | 9.50 | 0.875 | 8 | 0.630 | 0.440 | 8.4 |
| (G)BF0800-DI | 8 | 13.50 | 8.75 | 11.75 | 0.875 | 8 | 0.630 | 0.440 | 12.8 |
| (G)BF1000-DI | 10 | 16.00 | 10.92 | 14.25 | 1.000 | 12 | 0.630 | 0.440 | 14.2 |
| (G)BF1200-DI | 12 | 19.00 | 12.92 | 17.00 | 1.000 | 12 | 0.750 | 0.440 | 26.8 |
| (G)BF1400-DI | 14 | 21.00 | 14.19 | 18.75 | 1.125 | 12 | 0.750 | 0.440 | 38.0 |
| (G)BF1600-DI | 16 | 23.50 | 16.19 | 21.25 | 1.125 | 16 | 0.750 | 0.440 | 39.0 |
| (G)BF1800-DI | 18 | 25.00 | 18.20 | 22.75 | 1.250 | 16 | 0.880 | 0.440 | 47.0 |
| (G)BF2000-DI | 20 | 27.50 | 20.25 | 25.00 | 1.250 | 20 | 0.880 | 0.440 | 57.0 |
| (G)BF2400-DI | 24 | 32.00 | 24.25 | 29.50 | 1.375 | 20 | 1.000 | 0.440 | 79.0 |
| (G)BF3000-DI | 30 | 38.75 | 30.38 | 36.00 | 1.375 | 28 | 1.000 | 0.440 | 117.0 |
| (G)BF3600-DI | 36 | 46.00 | 36.50 | 42.75 | 1.625 | 32 | 1.125 | 0.440 | 181.0 |

Notes:

- a. Material conforms to ASTM A536.
- b. Meets ANSI class 150 pattern.
- c. Available with a paint or hot dip galvanized coating.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

Stub Ends



| Size | Outside Diameter (O.D.) | | Inside Diameter (I.D.) | | Wall thickness (T) | | Diameter (G) | | Thickness (Gt) | | Length (F) | | Radius (R) | | | | | | | | | | | |
|------|-------------------------|--------|------------------------|--------|--------------------|-------|--------------|--------|----------------|-------|------------|-------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Std | | Std | | Std | | Std | | Std | | Std | | Min | Max | | | | | | | | | | |
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | | | | | | | | | | |
| 1 | 1.315 | | 1.097 | | 0.109 | | 2.000 | | 0.109 | | 2 | | 0.059 | 0.157 | | | | | | | | | | |
| | 1.283 | 1.346 | 1.067 | 1.126 | 0.098 | 0.122 | 1.969 | 2.031 | 0.098 | 0.165 | 1.941 | 2.059 | | | | | | | | | | | | |
| 1.5 | 1.902 | | 1.683 | | 0.109 | | 2.874 | | 0.109 | | 2 | | | | 0.079 | 0.197 | | | | | | | | |
| | 1.871 | 1.933 | 1.654 | 1.713 | 0.098 | 0.122 | 2.843 | 2.906 | 0.098 | 0.165 | 1.941 | 2.059 | | | | | | | | | | | | |
| 2 | 2.374 | | 2.156 | | 0.109 | | 3.626 | | 0.109 | | 2.5 | | | | | | 0.079 | 0.197 | | | | | | |
| | 2.343 | 2.421 | 2.126 | 2.201 | 0.098 | 0.122 | 3.594 | 3.657 | 0.098 | 0.165 | 2.441 | 2.559 | | | | | | | | | | | | |
| 2.5 | 2.874 | | 2.634 | | 0.120 | | 4.106 | | 0.120 | | 2.5 | | | | | | | | 0.079 | 0.197 | | | | |
| | 2.843 | 2.921 | 2.602 | 2.681 | 0.106 | 0.134 | 4.075 | 4.138 | 0.106 | 0.177 | 2.441 | 2.559 | | | | | | | | | | | | |
| 3 | 3.500 | | 3.260 | | 0.120 | | 5.000 | | 0.122 | | 2.5 | | | | | | | | | | 0.079 | 0.197 | | |
| | 3.469 | 3.547 | 3.197 | 3.323 | 0.106 | 0.134 | 4.969 | 5.031 | 0.106 | 0.177 | 2.441 | 2.559 | | | | | | | | | | | | |
| 4 | 4.500 | | 4.260 | | 0.120 | | 6.189 | | 0.120 | | 3 | | | | | | | | | | | | 0.079 | 0.197 |
| | 4.469 | 4.547 | 4.197 | 4.323 | 0.106 | 0.134 | 6.157 | 6.220 | 0.106 | 0.177 | 2.941 | 3.059 | | | | | | | | | | | | |
| 5 | 5.563 | | 5.295 | | 0.134 | | 7.315 | | 0.134 | | 3 | | 0.079 | 0.197 | | | | | | | | | | |
| | 5.531 | 5.622 | 5.232 | 5.358 | 0.118 | 0.150 | 7.283 | 7.349 | 0.118 | 0.193 | 2.941 | 3.059 | | | | | | | | | | | | |
| 6 | 6.626 | | 6.358 | | 0.134 | | 8.500 | | 0.134 | | 3.5 | | | | 0.079 | 0.197 | | | | | | | | |
| | 6.594 | 6.685 | 6.295 | 6.421 | 0.118 | 0.150 | 8.469 | 8.531 | 0.118 | 0.193 | 3.441 | 3.559 | | | | | | | | | | | | |
| 8 | 8.626 | | 8.330 | | 0.148 | | 10.626 | | 0.148 | | 4 | | | | | | 0.079 | 0.197 | | | | | | |
| | 8.594 | 8.720 | 8.268 | 8.390 | 0.130 | 0.165 | 10.591 | 10.660 | 0.131 | 0.204 | 3.909 | 4.091 | | | | | | | | | | | | |
| 10 | 10.752 | | 10.422 | | 0.1649 | | 12.752 | | 0.165 | | 5 | | | | | | | | 0.079 | 0.197 | | | | |
| | 10.721 | 10.850 | 10.300 | 10.540 | 0.146 | 0.185 | 12.721 | 12.78 | 0.146 | 0.224 | 4.909 | 5.091 | | | | | | | | | | | | |
| 12 | 12.752 | | 12.392 | | 0.180 | | 15.000 | | 0.180 | | 6 | | | | | | | | | | 0.079 | 0.197 | | |
| | 12.721 | 12.850 | 12.271 | 12.510 | 0.157 | 0.201 | 14.971 | 15.030 | 0.157 | 0.236 | 5.909 | 6.091 | | | | | | | | | | | | |

PART NUMBER STRUCTURE

| Part Number Section | Options |
|---------------------|--|
| Category | SE = Stub End |
| Size | XXXX = Size in inches going out 2 decimal places |
| Type | C = Type C |
| Schedule | 10S = Schedule 10 |
| Material | 304L = 304L Stainless Steel |
| Example | SE0100-C-10S-304L = 1" Stub End, Type C, Schedule 10, 304L Stainless Steel |

Notes:

- a. Product Specification For Lap Joint Type C MSS SP-43 Schedule:10S. Other Types, Schedules and sizes available upon request.
- b. Standard material is 304L Stainless Steel, but available in other materials on request.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.