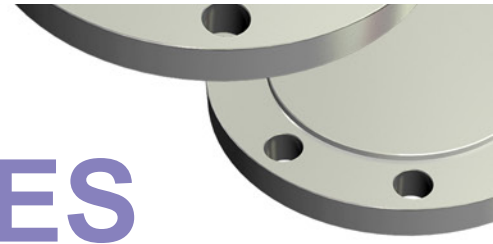


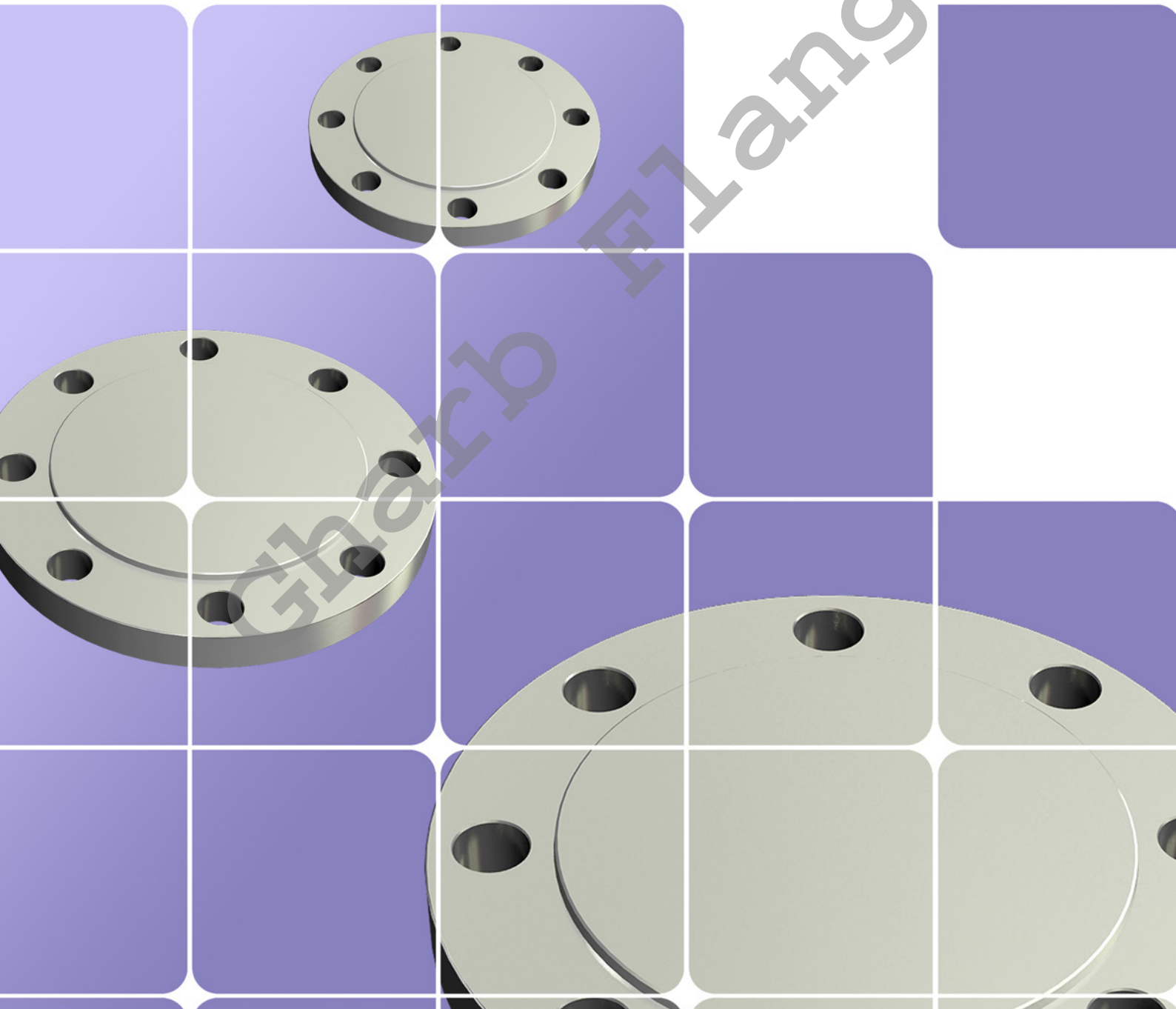


GharbFlange
Since 1979



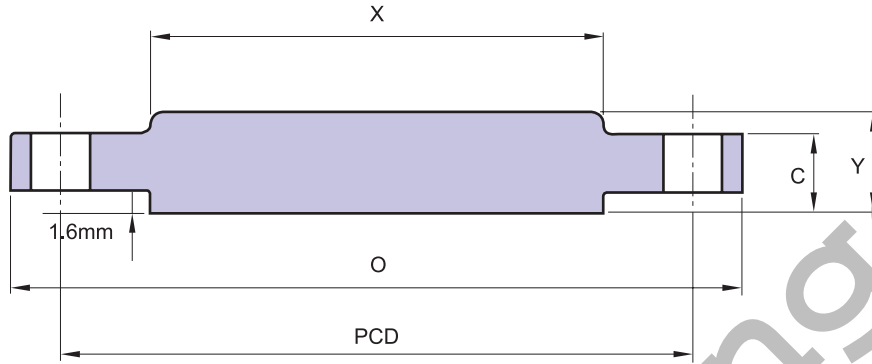
HUB BLIND FLANGES

- Class 150 Flanges
- Class 300 Flanges
- Class 600 Flanges
- Class 900 Flanges
- Class 1500 Flanges
- Class 2500 Flanges





CLASS 150 & 300 HUB BLIND



CLASS 150

Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	89.0	11.2	30.2	15.7	60.5	4	15.8
3/4	98.5	12.7	38.1	15.7	69.9	4	15.8
1	108.0	14.2	49.3	17.5	79.2	4	15.8
1 1/4	117.5	15.7	58.7	20.6	88.9	4	15.8
1 1/2	127.0	17.5	65.0	22.4	98.6	4	15.8
2	152.5	19.1	77.7	25.4	120.7	4	19.1
2 1/2	178.0	22.4	90.4	28.4	139.7	4	19.1
3	190.5	23.9	108.0	30.2	152.4	4	19.1
3 1/2	216.0	23.9	122.2	31.8	177.8	8	19.1
4	228.5	23.9	134.9	33.3	190.5	8	19.1
5	254.0	23.9	163.6	36.6	215.9	8	22.4
6	279.5	25.4	192.0	39.6	241.3	8	22.4
8	343.0	28.4	246.1	44.5	298.5	8	22.4
10	406.5	30.2	304.8	49.3	362.0	12	25.4
12	482.5	31.8	365.3	55.6	431.8	12	25.4
14	533.5	35.1	400.1	57.2	476.3	12	28.4
16	597.0	36.6	457.2	63.5	539.8	16	28.4
18	635.0	39.6	505.0	68.3	577.9	16	31.8
20	698.5	42.9	558.8	73.2	635.0	20	31.8
24	813.0	47.8	663.4	82.6	749.3	20	35.1

CLASS 300

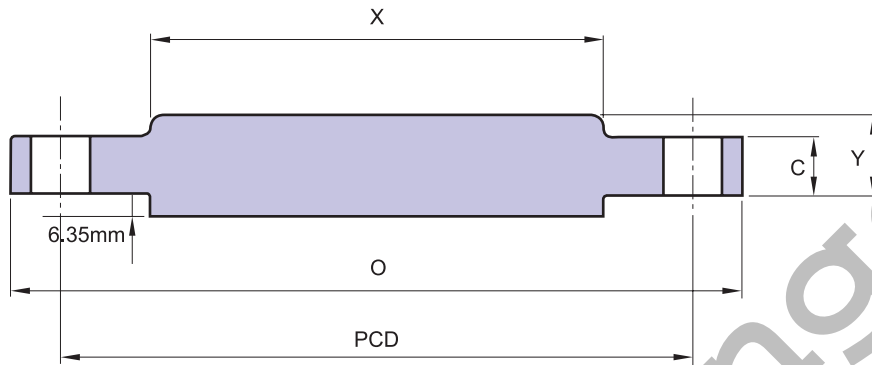
Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	95.5	14.2	38.1	22.4	66.5	4	15.7
3/4	117.5	15.7	47.8	25.4	82.6	4	19.1
1	124.0	17.5	53.8	26.9	88.9	4	19.1
1 1/4	133.5	19.1	63.5	26.9	98.6	4	19.1
1 1/2	155.5	20.6	69.9	30.2	114.3	4	22.4
2	165.0	22.4	84.1	33.3	127.0	8	19.1
2 1/2	190.5	25.4	100.1	38.1	149.4	8	22.4
3	209.5	28.4	117.3	42.9	168.1	8	22.4
3 1/2	228.5	30.2	133.4	44.5	184.2	8	22.4
4	254.0	31.8	146.1	47.8	200.2	8	22.4
5	279.5	35.1	177.8	50.8	235.0	8	22.4
6	317.5	36.6	206.2	52.3	269.7	12	22.4
8	381.0	41.1	260.4	62.0	330.2	12	25.4
10	444.5	47.8	320.5	66.5	387.4	16	28.4
12	520.5	50.8	374.7	73.2	450.9	16	31.8
14	584.0	53.8	425.5	76.2	514.4	20	31.8
16	647.5	57.2	482.6	82.6	571.5	20	35.1
18	711.0	60.5	533.4	88.9	628.7	24	35.1
20	774.5	63.5	587.2	95.3	685.8	24	35.1
24	914.5	69.9	701.5	106.4	812.8	24	41.1

NOTE : Dimension is according to ASME B 16.5



CLASS 600 & 900 HUB BLIND



CLASS 600

Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	95.5	14.2	38.1	22.4	66.5	4	15.7
3/4	117.5	15.7	47.8	25.4	82.6	4	19.1
1	124.0	17.5	53.8	26.9	88.9	4	19.1
1 1/4	133.5	20.6	63.5	28.4	98.6	4	19.1
1 1/2	155.5	22.4	69.9	31.8	114.3	4	22.4
2	165.0	25.4	84.1	36.6	127.0	8	19.1
2 1/2	190.5	28.4	100.1	41.1	149.4	8	22.4
3	209.5	31.8	117.3	46.0	168.1	8	22.4
3 1/2	228.5	35.1	133.4	49.3	184.2	8	25.4
4	273.0	38.1	152.4	53.8	215.9	8	25.4
5	330.2	44.5	189.0	60.5	266.7	8	28.4
6	355.5	47.8	222.3	66.5	292.1	12	28.4
8	419.0	55.6	273.1	76.2	349.3	12	31.8
10	508.0	63.5	342.9	85.9	431.8	16	35.1
12	559.0	66.5	400.1	91.9	489.0	20	35.1
14	603.5	69.9	431.8	93.7	527.1	20	38.1
16	686.0	76.2	495.3	106.4	603.3	20	41.1
18	743.0	82.6	546.1	117.3	654.1	20	44.5
20	813.0	88.9	609.6	127.0	723.9	24	44.5
24	940.0	101.6	717.6	139.7	838.2	24	50.8

NOTE : Dimension is according to ASME B 16.5

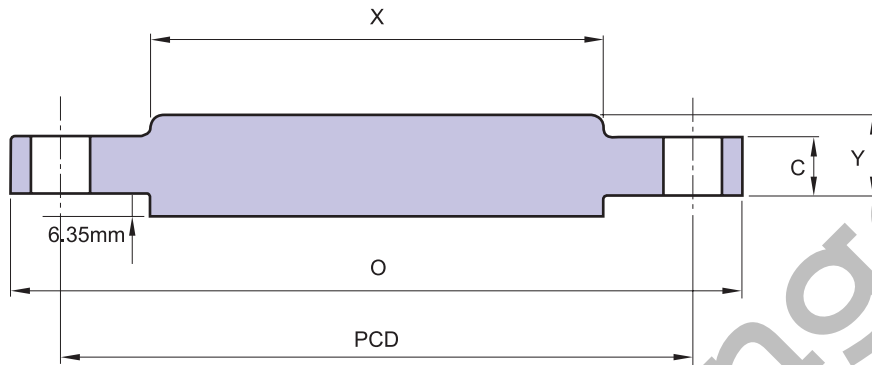
CLASS 900

Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	120.7	22.4	38.1	31.8	82.6	4	22.4
3/4	130.0	25.4	44.5	35.1	88.9	4	22.4
1	149.4	28.4	52.3	41.1	101.6	4	25.4
1 1/4	158.8	28.4	63.5	41.1	111.3	4	25.4
1 1/2	177.8	31.8	69.9	44.5	124.0	4	28.4
2	215.9	38.1	104.6	57.2	165.1	8	25.4
2 1/2	244.3	41.1	124.0	63.5	190.5	8	28.4
3	241.3	38.1	127.0	53.8	190.5	8	25.4
3 1/2	-	-	-	-	-	-	-
4	292.1	44.5	158.8	69.9	235.0	8	31.8
5	349.3	50.8	190.5	79.2	279.4	8	35.1
6	381.0	55.6	235.0	85.9	317.5	12	31.8
8	469.9	63.5	298.5	101.6	393.7	12	38.1
10	546.1	69.9	368.3	108.0	469.9	16	38.1
12	609.6	79.2	419.1	117.3	533.4	20	38.1
14	641.4	85.9	450.9	130.0	558.8	20	41.1
16	705.0	88.9	508.0	133.4	616.0	20	44.5
18	787.4	101.6	565.2	152.4	685.8	20	50.8
20	857.3	108.0	622.3	158.8	749.3	20	53.8
24	1041.4	139.7	749.3	203.2	901.7	20	66.5



CLASS 1500 & 2500 HUB BLIND



CLASS 1500

Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	120.7	22.4	38.1	31.8	82.6	4	22.4
3/4	130.0	25.4	44.5	35.1	88.9	4	22.4
1	149.4	28.4	52.3	41.1	101.6	4	25.4
1 1/4	158.8	28.4	63.5	41.1	111.3	4	25.4
1 1/2	178.0	31.8	69.9	44.5	124.0	4	28.4
2	215.9	38.1	104.6	57.2	165.1	8	25.4
2 1/2	244.3	41.1	124.0	63.5	190.5	8	28.4
3	266.7	47.8	133.4	-	203.2	8	31.8
4	311.2	53.8	162.1	-	241.3	8	35.1
5	374.7	73.2	196.9	-	292.1	8	41.1
6	393.7	82.6	228.6	-	317.5	12	38.1
8	482.6	91.9	292.1	-	393.7	12	44.5
10	584.2	108.0	368.3	-	482.6	12	50.8
12	673.1	124.0	450.9	-	571.5	16	53.8
14	749.2	133.4	495.3	-	635.0	16	60.5
16	825.5	146.1	552.5	-	704.9	16	66.5
18	914.4	162.1	596.9	-	774.7	16	73.2
20	984.3	177.8	641.4	-	831.9	16	79.2
24	1168.4	203.2	762.0	-	990.6	16	91.9

NOTE : Dimension is according to ASME B 16.5

CLASS 2500

Unit : mm

Nominal Pipe Size	Outside Diam. of Flange	Thick-ness of Flange, Min.	Diam. of Hub	Length Through Hub	Drilling		
					PCD. Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes
	O	C	X	Y			
1/2	133.4	30.2	42.9	39.6	88.9	4	22.4
3/4	139.7	31.8	50.8	42.9	95.3	4	22.4
1	158.9	35.1	57.2	47.8	108.0	4	25.4
1 1/4	184.2	38.1	73.2	52.3	130.2	4	28.4
1 1/2	203.2	44.5	79.2	60.5	146.1	4	31.8
2	235.0	50.8	95.3	69.9	171.5	8	28.4
2 1/2	266.7	57.2	114.3	79.2	196.9	8	31.8
3	304.8	66.5	133.4	-	228.6	8	35.1
4	355.6	76.2	165.1	-	273.1	8	41.1
5	419.1	91.9	203.2	-	323.9	8	47.8
6	482.6	108.0	235.0	-	368.3	8	53.8
8	552.5	127.0	304.8	-	438.2	12	53.8
10	673.1	165.1	374.7	-	539.8	12	66.5
12	762.0	184.2	441.3	-	619.1	12	73.2
14	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-