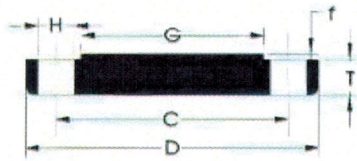
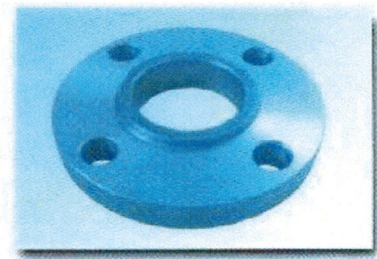
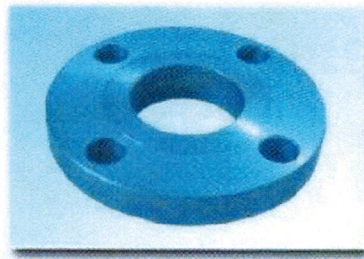
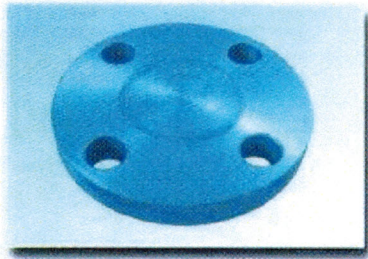
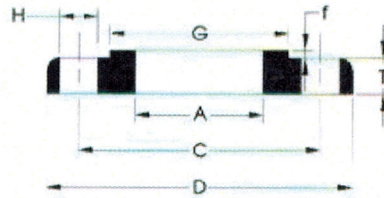


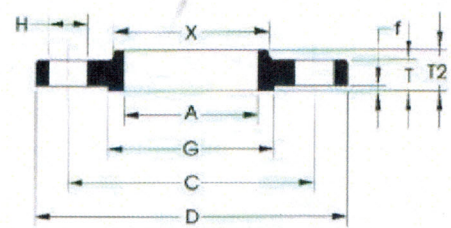
ANSI 300P



BLIND



FLATFACE



SLIP - ON

Dimension

(Unit : mm)

Nominal Pipe Size		Inside Dia.	Outside Dia.	Outside Dia. of Raie Face	At Base Of Hub	Bolt Circle	Thickness	Length Thur Hub	Heigh of Raise Face	Drilling		Weight (Kg)		
in	mm	A	D	G	X	C	T	T2	F	H	N	Flat Face	Slip-on	Bilnd
1/2	15	22.2	95.0	35.1	38.1	66.7	14.2	22.4	1.6	15.7	4	0.85	0.62	0.90
3/4	20	27.8	117.0	42.9	47.8	82.6	15.7	25.4	1.6	19.1	4	1.42	1.30	1.50
1	25	34.5	124.0	50.8	53.8	88.9	17.5	26.9	1.6	19.1	4	1.70	1.50	1.82
1.1/4	32	43.3	133.0	63.5	63.5	98.4	19.1	26.9	1.6	19.1	4	2.50	1.70	2.72
1.1/2	40	49.6	156.0	73.2	73.2	114.3	20.6	30.2	1.6	22.4	4	2.87	2.60	3.18
2	50	61.9	165.0	91.9	91.9	127.0	22.1	33.3	1.6	19.1	8	3.10	3.00	3.63
2.1/2	65	74.6	191.0	104.6	104.6	149.2	25.4	38.1	1.6	22.4	8	4.57	4.50	5.45
3	80	90.7	210.0	127	127	168.3	28.4	42.9	1.6	22.4	8	5.80	5.90	7.26
4	100	116.1	254.0	157.2	157.2	200.0	31.8	47.8	1.6	22.4	8	9.60	10.13	12.26
5	125	143.7	279.0	185.7	185.7	234.9	35.1	50.8	1.6	22.4	8	11.90	13.00	16.33
6	150	170.7	318.0	215.9	215.9	269.9	36.6	52.6	1.6	22.4	12	16.00	17.00	22.68
8	200	221.5	381.0	269.7	269.7	330.2	41.1	62	1.6	25.4	12	24.30	26.00	36.74
10	250	276.2	445.0	323.9	323.9	387.3	47.8	66.5	1.6	28.4	16	33.00	34.16	55.34
12	300	327.0	520.0	381.0	381.0	450.8	50.8	73.2	1.6	31.8	16	49.50	51.26	83.08
14	350	359.2	585.0	412.8	412.8	514.3	53.8	76.2	1.6	31.8	20	66.80	75.00	109.77
16	400	410.4	650.0	469.9	469.9	571.5	57.2	82.6	1.6	35.1	20	83.70	94.00	143.01
18	450	461.8	710.0	533.4	533.4	628.6	60.5	88.9	1.6	35.1	24	108.50	109.00	187.96
20	500	513.1	775.0	584.2	584.2	685.8	63.5	95.3	1.6	35.1	24	130.60	136.00	233.81
22	500	564.5	838.0	-	-	743.0	-	-	1.6	-	24	159.30	-	290.30
24	600	615.9	915.0	692.0	692.2	812.8	69.9	106.4	1.6	41.1	24	199.70	245.00	363.20

Not : 1. Dimensions are given in mm.

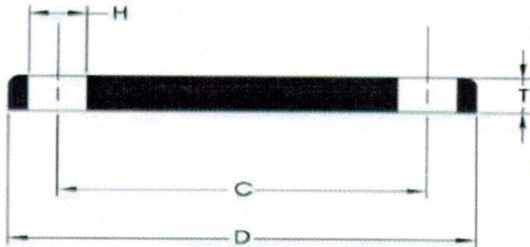
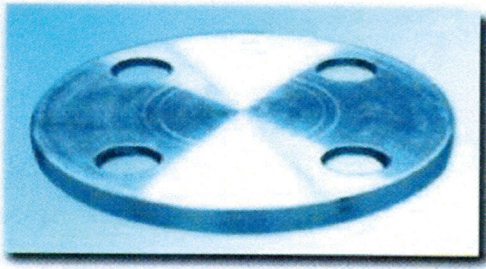
2. For class 150 and 00 Welding Neck Flanges, Standard bore will be furnish unless otherwise specified.

3. For class 400 and 600 Welding Neck Flanges, Extra-strong bore will be furnish unless otherwise specified.

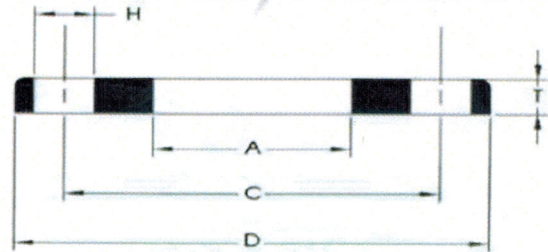
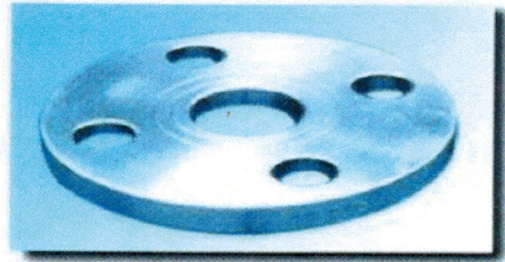
4. Class 150 and 300 Flanges (except lap joint) will be furnished with 0.06 raised face, which is included in the thicknes and the hub length.

5. Class 400 and larger Flanges (except lap joint) will be furnished with 0.25 in raised face, which is not included in the thickness and the hub length.

JIS 10 K



BLIND



FLATFACE

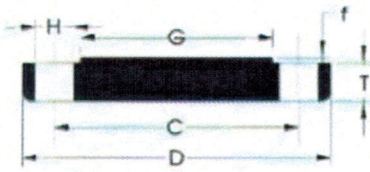
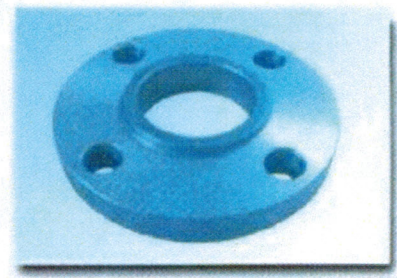
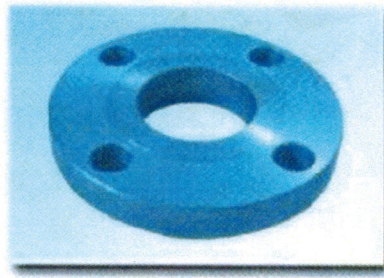
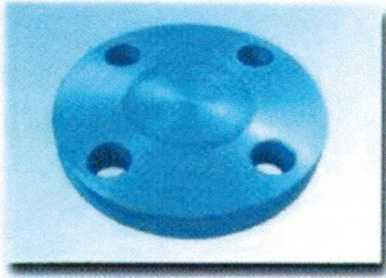
Dimension

(Unit : mm)

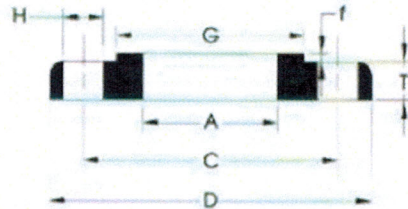
Nominal Pipe Size		Inside Dia.	Outside Dia.	Bolt Circle	Thickness	Drilling		Weight (Kg)	
in	mm	A	D	C	T	H	N	Flat Face	Blind
1/2	15	22.5	95.0	70	12	15	4	0.57	0.61
3/4	20	28	100.0	75	14	15	4	0.74	0.80
1	25	34.5	125.0	90	14	19	4	1.20	1.40
1.1/4	32	43.5	135.0	100	16	19	4	1.50	1.70
1.1/2	40	50.0	140.0	105	16	19	4	1.60	1.90
2	50	61.5	155.0	120	16	19	4	1.90	2.30
2.1/2	65	77.5	175.0	140	18	19	4	2.60	3.30
3	80	90.5	185.0	150	18	19	8	2.65	3.60
4	100	116.0	210.0	175	18	19	8	3.20	4.70
5	125	142.0	250.0	210	20	23	8	4.90	7.40
6	150	167.0	280.0	240	22	23	8	6.30	10.10
8	200	218.0	330.0	290	22	23	12	8.60	15.00
10	250	270.0	400.0	355	24	25	12	11.00	22.00
12	300	320.0	445.0	400	24	25	16	12.00	27.00
14	350	358.0	490.0	445	26	25	16	17.50	35.50
16	400	409.0	560.0	510	28	27	16	25.00	58.00
18	450	459.0	620.0	565	30	27	20	33.00	70.00
20	500	510.0	675.0	620	30	27	20	36.00	84.00
22	550	561.0	745.0	680	32	33	20	49.00	110.00
24	600	612.0	795.0	730	32	33	24	52.00	125.00

- Not :
1. Flanges of parenthesized nonnominal diameter had letter not be used
 2. The facing of Flanges shall conform to KS B1519 (JIS B2202) 1984
 3. Nominal diameter over 1,000 is manufacture's standard

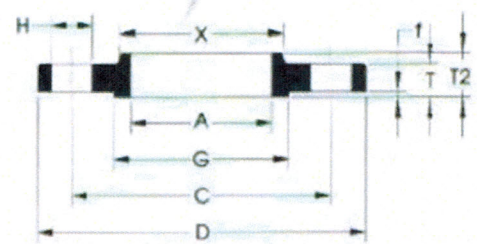
ANSI 150



BLIND



FLATFACE



SLIP - ON

Dimension

(Unit : mm)

Nominal Pipe Size		Inside Dia.	Outside Dia.	Outside Dia of Raie Face	At Base Of Hub	Bolt Circle	Thickness	Length Thur Hub	Heigh of Raise Face	Drilling		Weight (Kg)		
in	mm	A	D	G	X	C	T	T2	F	H	N	Flat Face	Slip-on	Bilnd
1/2	15	22.4	89	35.1	30.2	60.3	11.2	15.7	1.6	15.7	4	0.46	0.47	0.50
3/4	20	27.7	98	42.9	38.1	69.3	12.7	15.7	1.6	15.7	4	0.60	0.75	0.80
1	25	34.5	108	50.8	49.3	79.4	14.3	17.5	1.6	15.7	4	0.80	0.86	0.80
1.1/4	32	43.5	117	63.5	58.7	88.9	15.9	20.6	1.6	15.7	4	1.00	1.40	1.40
1.1/2	40	49.5	127	73.2	65.0	98.4	17.5	22.4	1.6	15.7	4	1.30	1.41	1.80
2	50	62.0	152	91.9	77.7	120.6	19.1	25.4	1.6	19.1	4	2.10	2.26	2.30
2.1/2	65	74.7	178	105.0	90.4	139.7	22.3	28.4	1.6	19.1	4	3.20	3.43	3.20
3	80	90.7	190	127.0	108.0	152.4	23.8	30.2	1.6	19.1	4	3.90	4.00	4.10
4	100	116.1	229	157.0	134.9	190.5	23.8	33.3	1.6	19.1	8	5.30	5.75	7.70
5	125	143.8	254	186.0	163.6	215.9	23.8	36.6	1.6	22.4	8	6.00	6.51	9.10
6	150	170.7	279	216.0	192.0	241.3	25.4	39.6	1.6	22.4	8	7.30	7.81	11.80
8	200	221.5	343	270.0	246.1	298.4	28.6	44.5	1.6	22.4	8	11.50	13.00	20.40
10	250	276.5	406	324.0	304.8	361.9	30.2	49.3	1.6	25.4	12	17.50	17.10	31.80
12	300	327.2	483	381.0	365.3	431.8	31.8	55.6	1.6	25.4	12	27.40	27.68	49.90
14	350	359.0	533	413.0	400.1	476.2	35.0	57.2	1.6	28.4	12	35.40	35.20	63.50
16	400	410.5	597	470.0	457.2	539.7	36.0	63.5	1.6	28.4	16	43.90	45.00	81.60
18	450	461.8	635	533.0	505.0	578.8	39.7	68.3	1.6	31.8	16	48.00	54.00	99.80
20	500	513.1	698	584.0	558.8	635.0	42.9	73.2	1.6	31.8	20	59.20	73.00	129.30
22	500	566.0	749	641.0	-	692.0	46.0	-	1.6	-	20	70.20	-	161.00
24	600	616.0	812	692.0	663.4	749.3	47.6	82.6	1.6	35.1	20	83.70	69.00	195.00

Not : 1. Dimensionis are given in mm.

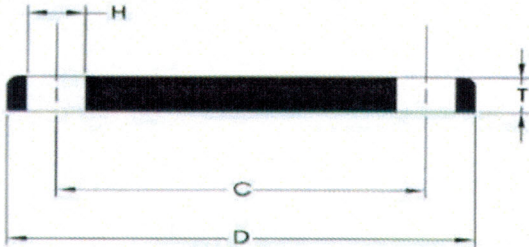
2. For class 150 and 300 Welding Neck Flanges, Standard bore will be furnish unless otherwise specified.

3. For class 400 and 600 Welding Neck Flanges, Extra-strong bore will be furnish unless otherwise specified.

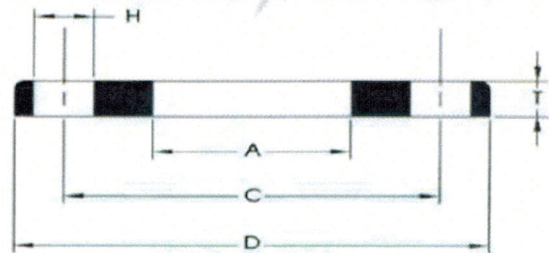
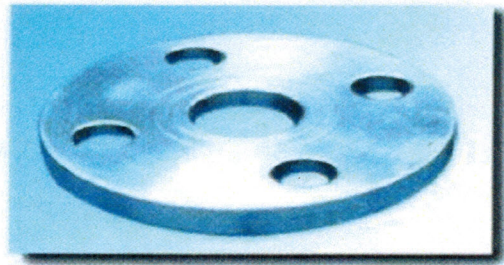
4. Class 150 and 300 Flanges (except lap joint) will be furnished with 0.06 raised face, which is included in the thicknes and the hub length.

5. Class 400 and larger Flanges (except lap joint) will be furnished with 0.25 in raised face, which is not included in the thickness and the hub length.

PN 16



BLIND



FLATFACE

Dimension

(Unit : mm)

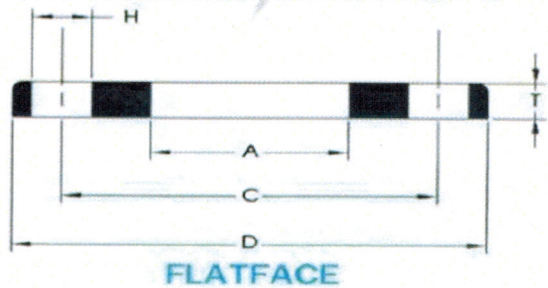
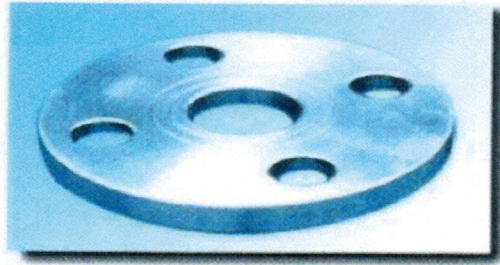
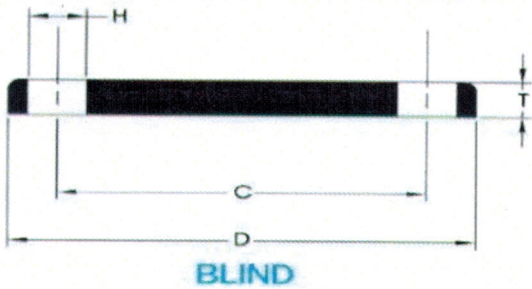
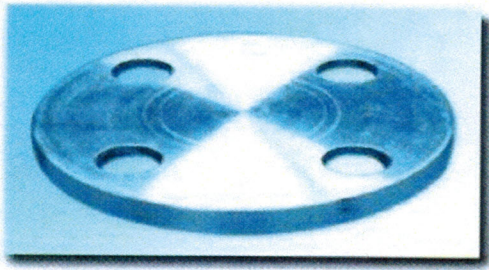
Nominal Pipe Size		Inside Dia.	Outside Dia.	Bolt Circle	Thickness	Drilling		Weight (Kg)	
in	mm	A	D	C	T	H	N	Flat Face	Blind
1/2	15	22.0	95.0	65	14	14	4	0.37	0.71
3/4	20	28.0	105.0	75	16	14	4	0.93	1.01
1	25	34.5	115.0	85	16	14	4	1.09	1.23
1.1/4	32	43.5	140.0	100	16	18	4	1.62	1.81
1.1/2	40	50.0	150.0	110	16	18	4	1.85	2.09
2	50	61.5	165.0	125	18	18	4	2.46	2.88
2.1/2	65	77.5	185.0	145	18	18	4	2.99	3.65
3	80	90.5	200.0	160	20	18	8	3.60	4.61
4	100	116.0	220.0	180	20	18	8	3.99	5.65
5	125	142.0	250.0	210	22	18	8	5.29	8.13
6	150	169.0	285.0	240	22	23	8	6.57	10.44
8	200	221.0	340.0	295	24	23	12	7.87	16.17
10	250	275.0	405.0	355	26	27	12	12.77	24.89
12	300	326.0	460.0	410	28	27	12	16.67	35.02
14	350	358.0	520.0	470	30	27	16	23.91	47.86
16	400	409.0	580.0	525	32	30	16	30.52	63.53
18	450	460.0	640.0	585	34	20	30	-	82.09
20	500	511.0	715.0	650	36	20	33	-	108.63
22	-	-	-	-	-	-	-	-	-
24	600	613.0	840.0	770	40	20	36	-	167.62

Not : 1. Outside diameter If pipe complies with ISO recommendation R64

2. Norminal Size in parentheses should perferably avoid

Screw thread size in parentheses shall not be used for new construction

PN10



Dimension

(Unit : mm)

Nominal Pipe Size		Inside Dia.	Outside Dia.	Bolt Circle	Thickness	Drilling		Weight (Kg)	
in	mm	A	D	C	T	H	N	Flat Face	Blind
1/2	15	22.0	95.0	65	14	14	4	0.67	0.71
3/4	20	28.0	105.0	75	16	14	4	0.93	1.01
1	25	34.5	115.0	85	16	14	4	1.11	1.23
1.1/4	32	43.5	140.0	100	16	18	4	1.62	1.81
1.1/2	40	50.0	150.0	110	16	18	4	1.85	2.09
2	50	61.5	165.0	125	18	18	4	2.46	2.88
2.1/2	65	77.5	185.0	145	18	18	4	2.99	3.65
3	80	90.5	200.0	160	20	18	8	3.60	4.61
4	100	116.0	220.0	180	20	18	8	3.99	5.65
5	125	142.0	250.0	210	22	18	8	5.39	8.13
6	150	169.0	285.0	240	22	23	8	6.57	10.44
8	200	221.0	340.0	295	24	23	8	9.25	16.48
10	250	275.0	395.0	350	26	23	12	11.87	23.99
12	300	326.0	445.0	400	26	23	12	13.69	30.73
14	350	358.0	505.0	460	28	23	16	20.44	42.56
16	400	409.0	565.0	515	32	27	16	27.68	60.68
18	450	460.0	615.0	565	32	27	20	-	71.74
20	500	511.0	670.0	620	36	27	20	-	96.40
22	-	-	-	-	-	-	-	-	-
24	600	613.0	780.0	725	40	30	24	-	145.60

Not : 1. Outside diameter If pipe complies with ISO recommendation

2. Nominal Size in parentheses should preferably avoid