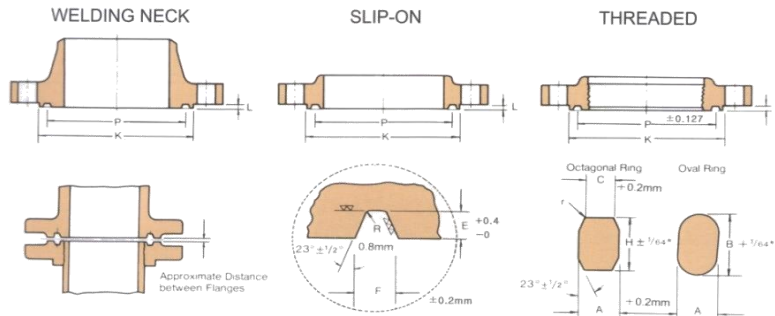


## CLASS 150 FLANGES

RING JOINT FLANGES FACING DIMENSIONS



## ANSI B16.5 FORGED FLANGES

### Class 150 Ring Joint Flanges

Unit: mm

Nominal Pipe Size	Pitch Diam of Ring and Groove	width of Ring	Height of Ring		Width of flat on octagonal	Width of Groove	Depth of Groove	Diameter of Raised face for ring joint of lapped	Ring Number	Approximate distance between flanges of ring joints when rings is compressed
			Oval	Octagona						
			B	H						
1	47.6	8	14.3	12.7	5.2	8.7	6.4	63.5	R15	4.1
1 ¼	57.2	8	14.3	12.7	5.2	8.7	6.4	73.2	R17	4.1
1 ½	65.1	8	14.3	12.7	5.2	8.7	6.4	82.6	R19	4.1
2	82.6	8	14.3	12.7	5.2	8.7	6.4	101.6	R22	4.1
2 ½	101.6	8	14.3	12.7	5.2	8.7	6.4	120.7	R25	4.1
3	114.3	8	14.3	12.7	5.2	8.7	6.4	133.4	R29	4.1
3 ½	131.8	8	14.3	12.7	5.2	8.7	6.4	153.9	R33	4.1
4	149.2	8	14.3	12.7	5.2	8.7	6.4	171.5	R36	4.1
5	171.5	8	14.3	12.7	5.2	8.7	6.4	193.5	R40	4.1
6	193.7	8	14.3	12.7	5.2	8.7	6.4	218.9	R43	4.1
8	247.7	8	14.3	12.7	5.2	8.7	6.4	273.1	R48	4.1
10	304.8	8	14.3	12.7	5.2	8.7	6.4	330.2	R52	4.1
12	381.0	8	14.3	12.7	5.2	8.7	6.4	406.4	R56	4.1
14	396.9	8	14.3	12.7	5.2	8.7	6.4	425.5	R59	3.0
16	454.0	8	14.3	12.7	5.2	8.7	6.4	482.6	R64	3.0
18	517.5	8	14.3	12.7	5.2	8.7	6.4	546.1	R68	3.0
20	558.8	8	14.3	12.7	5.2	8.7	6.4	596.9	R72	3.0
24	673.1	8	14.3	12.7	5.2	8.7	6.4	711.2	R76	3.0

Notes:

Unless other wise specified by the customer, Ring type Joint Flanges will be furnished in accordance with these details. the depth of groove is added to the monimum Flange thickness.

\* Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

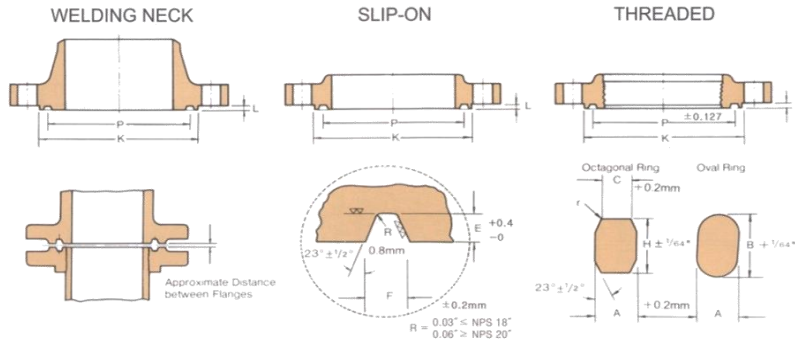
\* A plus tolerance of 3/64 in, for heights B and H is permitted providing the variation in the heighth of any given ring does not exceed 1/64 in, throughout its entire cirkcumference.

dimension "R" is max.

Radius "r" is 1/16" for ring widths 7/8" and less and 3/32" for ring widths 1" (25.4mm) and over.

## CLASS 300-400-600 FLANGES

RING JOINT FLANGES FACING DIMENSIONS



## ANSI B16.5 FORGED FLANGES

### Class 300-400-600 Ring Joint Flanges

Unit: mm

Nominal Pipe Size	Pitch Diam of Ring and Groove	width of Ring	Height of Ring		Width of fiat on octagonal	Width of Groove	Depth of Groove	Diameter of Raised face for ring joint of lapped	Ring Number	Approximate distance between flanges of ring joints when rings
			Oval	Octagona						
			P	A						
½	34.1	6.4	11.1	9.5	4.3	7.1	5.6	50.8	R11	3.0
¾	42.9	8.0	14.3	12.7	5.2	8.7	6.4	63.5	R13	4.1
1	50.8	8.0	14.3	12.7	5.2	8.7	6.4	69.9	R16	4.1
1 ¼	60.3	8.0	14.3	12.7	5.2	8.7	6.4	79.5	R18	4.1
1 ½	68.3	8.0	14.3	12.7	5.2	8.7	6.4	90.4	R20	4.1
2	82.6	11.1	17.5	15.9	7.7	11.9	7.9	108.0	R23	5.6
2 ½	101.6	11.1	17.5	15.9	7.7	11.9	7.9	127.0	R26	5.6
3	123.8	11.1	17.5	15.9	7.7	11.9	7.9	146.1	R31	5.6
3 ½	131.8	11.1	17.5	15.9	7.7	11.9	7.9	158.8	R34	5.6
4	149.2	11.1	17.5	15.9	7.7	11.9	7.9	174.8	R37	5.6
5	181.0	11.1	17.5	15.9	7.7	11.9	7.9	209.6	R41	5.6
6	211.1	11.1	17.5	15.9	7.7	11.9	7.9	241.3	R45	5.6
8	269.9	11.1	17.5	15.9	7.7	11.9	7.9	301.8	R49	5.6
10	323.9	11.1	17.5	15.9	7.7	11.9	7.9	355.6	R53	5.6
12	381.0	11.1	17.5	15.9	7.7	11.9	7.9	412.8	R57	5.6
14	419.1	11.1	17.5	15.9	7.7	11.9	7.9	457.2	R61	5.6
16	469.9	11.1	17.5	15.9	7.7	11.9	7.9	508.0	R65	5.6
18	533.4	11.1	17.5	15.9	7.7	11.9	7.9	574.8	R69	5.6
20	584.2	12.7	19.1	17.5	8.7	13.5	9.5	635.0	R73	5.6
24	692.2	15.9	22.2	20.7	10.5	16.7	11.1	749.3	R77	6.4

Notes:

Unless otherwise specified by the customer, Ring type Joint Flanges will be furnished in accordance with these details.

the depth of groove is added to the monimum Flange thickness.

\* Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

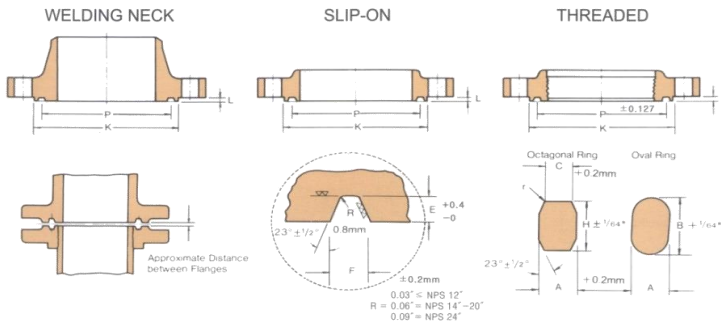
\* A plus tolerance of 3/64 in, for heights B and H is permitted providing the variation in the height of any given ring does not exceed 1/64 in, throughout its entire circumference.

dimension "R" is max.

Radius "r" is 1/16" for ring widths 7/8" and less and 3/32" for ring widths 1" (25.4mm) and over.

## CLASS 900 FLANGES

RING JOINT FLANGES FACING DIMENSIONS



## ANSI B16.5 FORGED FLANGES

### Class 900 Ring Joint Flanges

Unit: mm

Nominal Pipe Size	Pitch Diam of Ring and Groove	width of Ring	Height of Ring		Width of fiat on octagonal	Width of Groove	Depth of Groove	Diameter of Raised face for ring joint of lapped	Ring Number	Approximate distance between flanges of ring joints when rings is compressed
			Oval	Octagona						
			P	A						
For size 2 ½ and smaller, use class 1500 Ring Joint Flanges										
3	123.8	11.1	17.5	15.9	7.7	11.9	7.9	155.4	R31	4.1
4	149.2	11.1	17.5	15.9	7.7	11.9	7.9	180.8	R37	4.1
5	181.0	11.1	17.5	15.9	7.7	11.9	7.9	215.9	R41	4.1
6	211.1	11.1	17.5	15.9	7.7	11.9	7.9	241.3	R45	4.1
8	269.9	11.1	17.5	15.9	7.7	11.9	7.9	307.8	R49	4.1
10	323.9	11.1	17.5	15.9	7.7	11.9	7.9	362.0	R53	4.1
12	381.0	11.1	17.5	15.9	7.7	11.9	7.9	419.1	R57	4.1
14	419.1	15.9	22.2	20.7	10.5	16.7	11.1	466.9	R62	4.1
16	469.9	15.9	22.2	20.7	10.5	16.7	11.1	523.7	R66	4.1
18	533.4	19.1	25.4	23.8	11.1	19.8	12.7	593.9	R70	4.8
20	584.2	19.1	25.4	23.8	12.3	19.8	12.7	647.7	R74	4.8
24	692.2	25.4	33.4	31.8	17.3	27.0	15.9	771.7	R78	5.6

Notes:

Unless otherwise specified by the customer, Ring type Joint Flanges will be furnished in accordance with these details. the depth of groove is added to the minimum Flange thickness.

\* Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

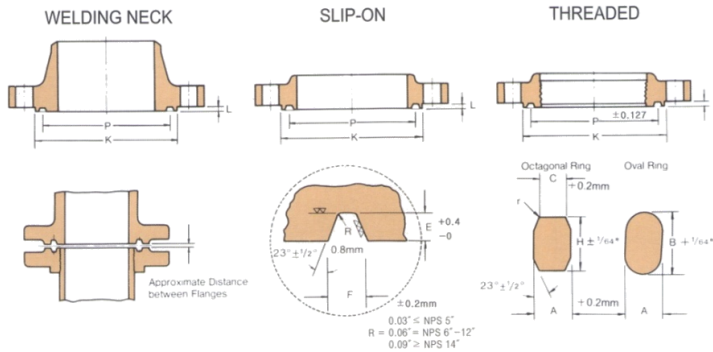
\* A plus tolerance of 3/64 in, for heights B and H is permitted providing the variation in the height of any given ring does not exceed 1/64 in, throughout its entire circumference.

dimension "R" is max.

Radius "r" is 1/16" for ring widths 7/8" and less and 3/32" for ring widths 1" (25.4mm) and over.

## CLASS 1500 FLANGES

RING JOINT FLANGES FACING DIMENSIONS



## ANSI B16.5 FORGED FLANGES

### Class 1500 Ring Joint Flanges

Unit: mm

Nominal Pipe Size	Pitch Diam of Ring and Groove	width of Ring	Height of Ring		Width of fiat on octagonal	Width of Groove	Depth of Groove	Diameter of Raised face for ring joint of lapped	Ring Number	Approximate distance between flanges of ring joints when rings is compressed
			Oval	Octagona						
			B	H						
½	39.7	8.0	14.3	12.7	5.2	8.7	6.4	60.5	R12	4.1
¾	44.5	8.0	14.3	12.7	5.2	8.7	6.4	66.5	R14	4.1
1	50.8	8.0	14.3	12.7	5.2	8.7	6.4	71.4	R16	4.1
1 ¼	60.3	8.0	14.3	12.7	5.2	8.7	6.4	81.0	R18	4.1
1 ½	68.3	8.0	14.3	12.7	5.2	8.7	6.4	91.9	R20	4.1
2	95.3	11.1	17.5	15.9	7.7	11.9	7.9	124.0	R24	3.0
2 ½	108.0	11.1	17.5	15.9	7.7	11.9	7.9	136.7	R27	3.0
3	136.5	11.1	17.5	15.9	7.7	11.9	7.9	168.1	R35	3.0
4	161.9	11.1	17.5	15.9	7.7	11.9	7.9	193.5	R39	3.0
5	193.7	11.1	17.5	15.9	7.7	11.9	7.9	228.6	R44	3.0
6	211.2	12.7	19.1	17.5	8.7	13.5	9.5	247.7	R46	3.0
8	269.9	15.9	22.2	2.7	10.5	16.7	11.1	317.5	R50	4.1
10	323.9	15.9	22.2	20.7	10.5	16.7	11.1	371.3	R54	4.1
12	381.0	22.2	28.6	27.0	14.8	23.0	14.3	438.2	R58	4.8
14	519.1	25.4	33.4	31.8	17.3	27.0	15.9	490.0	R63	5.6
16	469.9	28.6	36.5	34.9	19.8	30.2	17.5	546.1	R67	7.9
18	533.4	28.6	36.5	34.9	19.8	30.2	17.5	612.6	R71	7.9
20	584.2	31.8	39.7	38.1	22.3	33.4	17.5	673.1	R75	9.7
24	692.2	34.9	44.5	41.3	24.8	36.5	20.6	793.8	R79	11.2

#### Notes:

Unless otherwise specified by the customer, Ring type Joint Flanges will be furnished in accordance with these details. the depth of groove is added to the monimum Flange thickness.

\* Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

\* A plus tolerance of 3/64 in, for heights B and H is permitted providing the variation in the height of any given ring does not exceed 1/64 in, throughout its entire cirkcumference.

dimension "R" is max.

Radius "r" is 1/16" for ring widths 7/8" and less and 3/32" for ring widths 1" (25.4mm) and over.

