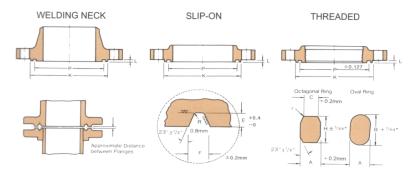


### **CLASS 150 FLANGES**

RING JOINT FLANGES FACING DIMENSIONS



## **ANSI B16.5 FORGED FLANGES**

# **Class 150 Ring Joint Flanges**

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	Ring Number	Approximate distance between flanges of ring joints when
			Oval	Octagona			- 40	of lapped		rings is
	Р	Α	В	Н	С	F	E (L)	K (Min)		compressed
1	47.6	8	14.3	12.7	5.2	8.7	6.4	63.5	R15	4.1
1 1/4	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

Unit: mm

#### 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.

dimension "R" is max.

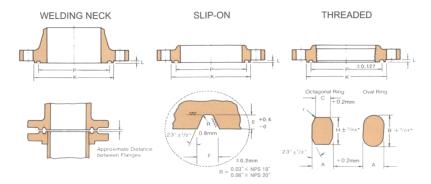
<sup>\*</sup> Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

<sup>\*</sup> 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.



### **CLASS 300-400-600 FLANGES**

RING JOINT FLANGES FACING DIMENSIONS



## **ANSI B16.5 FORGED FLANGES**

## Class 300-400-600 Ring Joint Flanges

Unit: mm Diameter of **Pitch Diam** Width of te distance **Height of Ring** width of Width of Depth of Raised face of Ring and **Nominal** fiat on Ring between Groove Ring Groove for ring joint **Pipe Size** Groove octagonal Number flanges of Oval Octagona of lapped ring joints Ρ В Н C F E (L) K (Min) Α 11.1 1/2 34.1 6.4 9.5 4.3 7.1 5.6 50.8 R11 3.0 3/4 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 1/4 60.3 8.0 12.7 5.2 8.7 79.5 R18 14.3 6.4 4.1 90.4 1 1/2 68.3 8.0 14.3 12.7 5.2 8.7 6.4 R20 4.1 2 82.6 11.1 17.5 15.9 7.7 11.9 7.9 108.0 R23 5.6 7.7 7.9 127.0 2 1/2 101.6 11.1 17.5 15.9 11.9 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 7.7 7.9 11.1 17.5 15.9 11.9 158.8 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 11.1 17.5 7.7 7.9 323.9 15.9 11.9 355.6 **R53** 5.6 12 381.0 11.1 17.5 15.9 7.7 11.9 7.9 412.8 **R57** 5.6 419.1 7.9 457.2 14 11.1 17.5 15.9 7.7 11.9 R61 5.6 469.9 11.1 7.7 7.9 508.0 R65 16 17.5 15.9 11.9 5.6 7.9 574.8 18 533.4 11.1 17.5 15.9 7.7 11.9 R69 5.6 20 584.2 12.7 19.1 17.5 8.7 13.5 9.5 635.0 R73 5.6 692.2 15.9 22.2 20.7 10.5 749.3 24 16.7 11.1 **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.

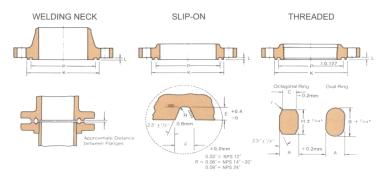
- \* Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"
- \* A plus tolerance of 3/64 in, for heights B and H is permitted providing the variation in the height of any given ring does not exceed 1/64 in, throughout its entire circumference.

dimension "R" is max.



### **CLASS 900 FLANGES**

RING JOINT FLANGES FACING DIMENSIONS



## **ANSI B16.5 FORGED FLANGES**

# **Class 900 Ring Joint Flanges**

Nominal Pipe Size	Pitch Diam of Ring and Groove	wicdith of Ring	Height of Ring		Width of fiat on octagonal	Width of Groove	Depth of Groove	Diameter of Raised face for ring joint	Ring Number	Approximate distance between flanges of ring
			Oval	Octagona				of lapped		joints when rings
	Р	Α	В	Н	С	F	E (L)	K (Min)		is compressed

**Unit: mm** 

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 monimum Flange thickness.

dimension "R" is max.

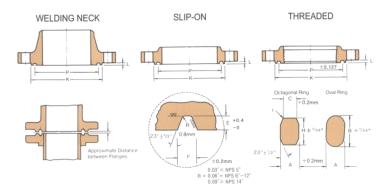
<sup>\*</sup> Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

<sup>\*</sup> 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.



### **CLASS 1500 FLANGES**

RING JOINT FLANGES FACING DIMENSIONS



## **ANSI B16.5 FORGED FLANGES**

# **Class 1500 Ring Joint Flanges**

Class 1500 King John Frankes											
Nominal Pipe Size	Pitch Diam of Ring and Groove	and width of			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	
	P	Α	Oval B	Octagona H	С	F	E (L)	K (Min)		rings is compressed	
1/2	39.7	8.0	14.3	12.7	5.2	8.7	6.4	60.5	R12	4.1	
3/4	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 1/4	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	

Unit: mm

### 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.

dimension "R" is max.

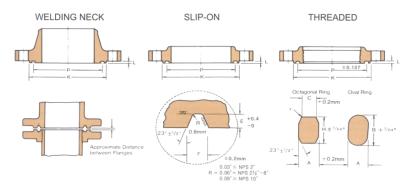
<sup>\*</sup> Raised face "L" is equal to groove dimension "E" but is not subject to tolerances for "E"

<sup>\*</sup> 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.



### **CLASS 2500 FLANGES**

RING JOINT FLANGES FACING DIMENSIONS



## **ANSI B16.5 FORGED FLANGES**

# **Class 1500 Ring Joint Flanges**

Nominal Pipe Size	Pitch Diam of Ring and Groove	width of	Height of Ring		Width of fiat on octagonal	Width of Groove	Depth of Groove		Ring Number	Approximate distance between flanges of ring joints when
	P	Α	Oval B	Octagona H	С	F	E (L)	of lapped K (Min)		rings is
1/2	42.9	8.0	14.3	12.7	5.2	8.7	6.4	65.0	R13	compressed 4.1
3/4	50.8	8.0	14.3	12.7	5.2	8.7	6.4	73.2	R16	4.1
1	60.3	8.0	14.3	12.7	5.2	8.7	6.4	82.6	R18	4.1
1 1/4	72.2	11.1	17.5	15.9	7.7	11.9	7.9	101.6	R21	3.0
1 ½	82.6	11.1	17.5	15.9	7.7	11.9	7.9	114.3	R23	3.0
2	101.6	11.1	17.5	15.9	7.7	11.9	7.9	133.4	R26	3.0
2 ½	111.1	12.7	19.1	17.5	8.7	13.5	9.5	149.4	R28	3.0
3	127.0	12.7	19.1	17.5	8.7	13.5	9.5	168.1	R32	3.0
4	157.2	15.9	22.2	20.7	10.5	16.7	11.1	203.2	R38	4.1
5	190.5	19.1	25.4	23.8	12.3	19.8	12.7	241.3	R42	4.1
6	228.6	19.1	25.4	23.8	12.3	19.8	12.7	279.4	R47	4.1
8	279.4	22.2	28.6	27.0	14.8	23.0	14.3	339.9	R51	4.8
10	342.9	28.6	36.5	34.9	19.8	30.2	17.5	425.5	R55	6.4
12	406.4	31.8	39.7	38.1	22.3	33.4	17.5	495.3	R60	7.9

**Unit: mm** 

#### 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.

dimension "R" is max.

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

<sup>\*</sup> 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.