

# B.S. 3293 FLANGES

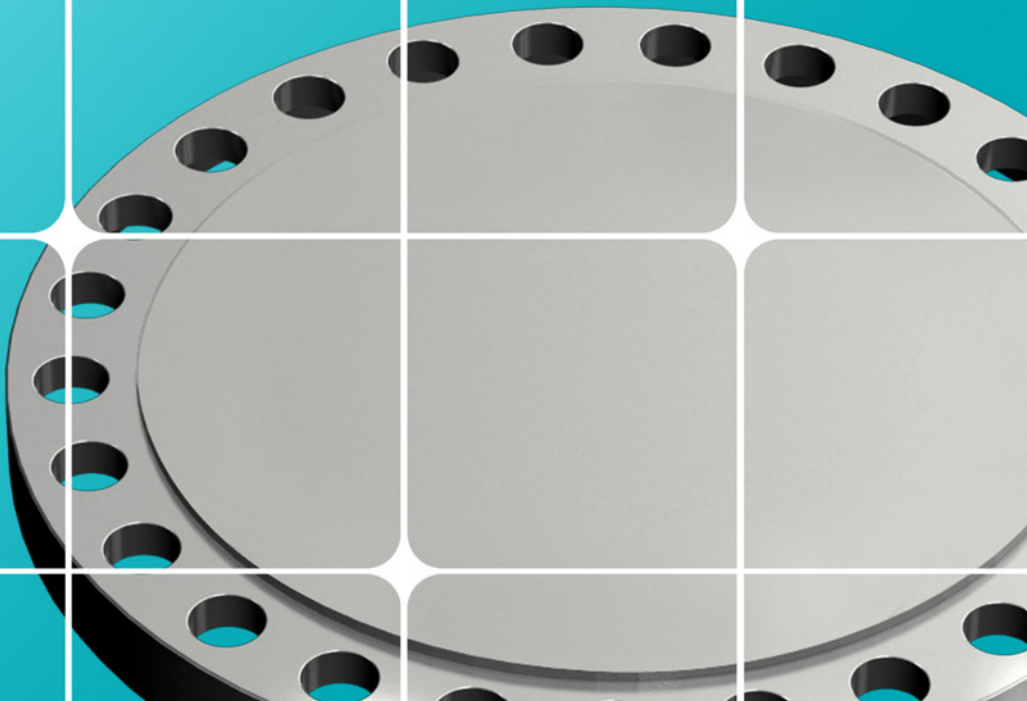
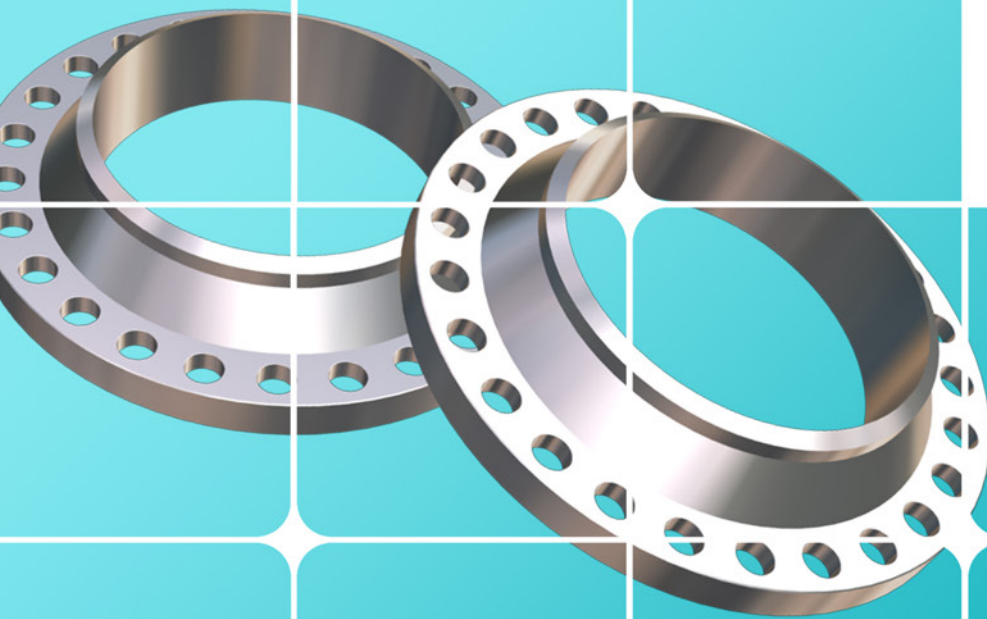
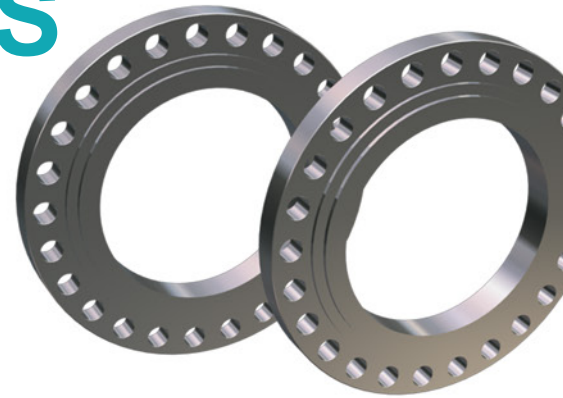
- Class 150 Flanges
- Class 300 Flanges
- Class 400 Flanges
- Class 600 Flanges

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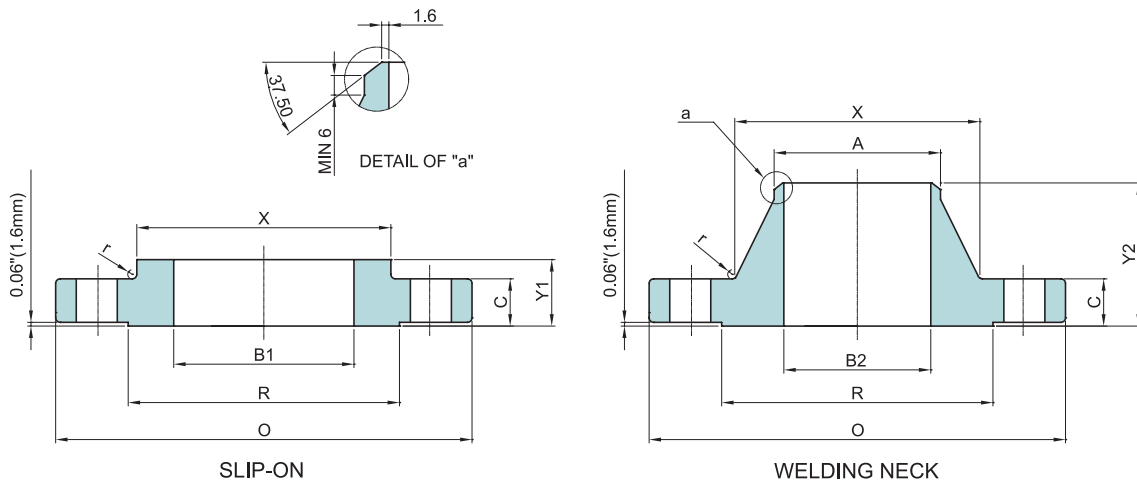
This British Standard is a material and dimensional standard only and applies to forged carbon steel slip-on and welding neck flanges of nominal sizes 26 in and larger, for use in the petroleum industry. Drilling, bolting, facing and thickness dimensions are applicable also to integral end flanges of valve and fittings.

Four classes of flanges are provided for, namely Classes 150, 300, 400 and 600.

The standard does not include pressure/temperature ratings; the flange designations quoted are for identification purposes only.



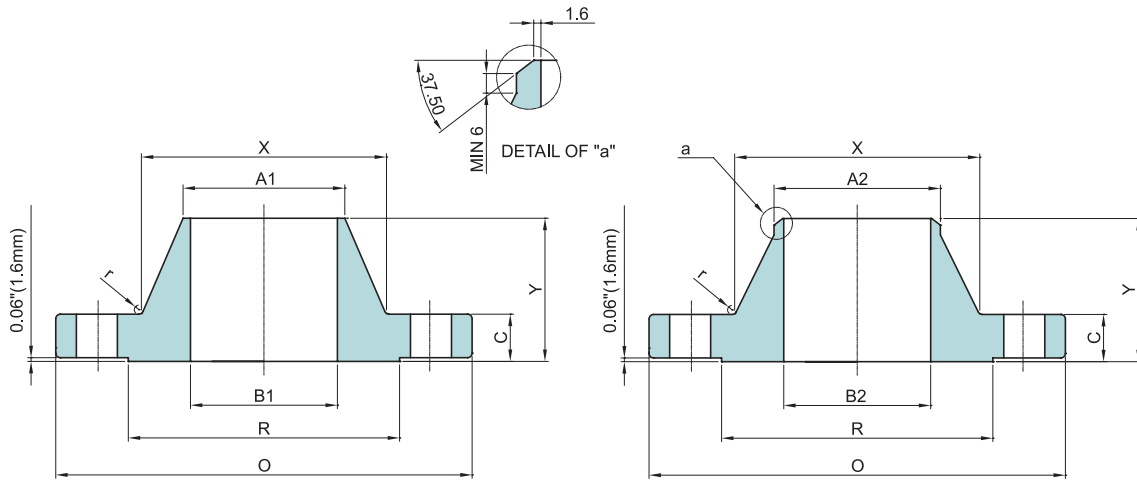
## CLASS 150 FLANGES



Unit : mm

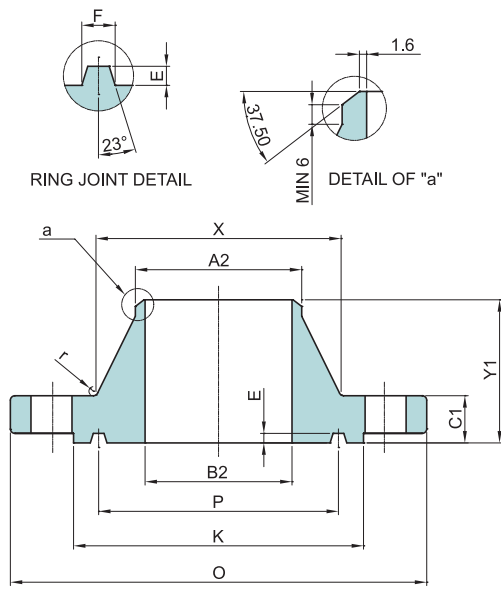
Size	O	PCD	R	C	X	A	Y1	Y2	r	B1	B2	N	H
26	870.0	806.5	740.2	50.8	723.9	660.4	85.7	127.0	6.4	666.8	To be specified by customer.	24	34.9
28	927.1	863.6	793.8	52.4	781.1	711.2	87.3	128.6	6.4	717.6		28	34.9
30	984.3	914.4	857.3	54.0	831.9	762.0	88.9	130.2	6.4	768.4		28	34.9
32	1060.5	977.9	908.1	57.2	889.0	812.8	92.1	133.4	7.9	819.2		28	41.3
34	1111.3	1028.7	958.9	58.7	939.8	863.6	93.7	134.9	7.9	870.0		32	41.3
36	1168.4	1085.9	1022.4	60.3	997.0	914.4	95.3	136.5	7.9	920.8		32	41.3
38	1238.3	1149.4	1073.2	60.3	1060.5	965.2	95.3	136.5	9.5	971.6		32	41.3
40	1289.1	1200.2	1124.0	63.5	1111.3	1016.0	98.4	139.7	9.5	1022.4		36	41.3
42	1346.2	1257.3	1193.8	66.7	1168.4	1066.8	101.6	142.9	9.5	1073.2		36	41.3
44	1403.4	1314.5	1244.6	66.7	1219.2	1117.6	101.6	142.9	11.1	1124.0		40	41.3
46	1454.2	1365.3	1295.4	68.3	1270.0	1168.4	103.2	144.5	11.1	1174.8		40	41.3
48	1511.3	1422.4	1358.9	69.9	1327.2	1219.2	104.8	146.1	11.1	1225.6		44	41.3

# CLASS 300 FLANGES



SLIP-ON

WELDING NECK



RING JOINT DETAIL

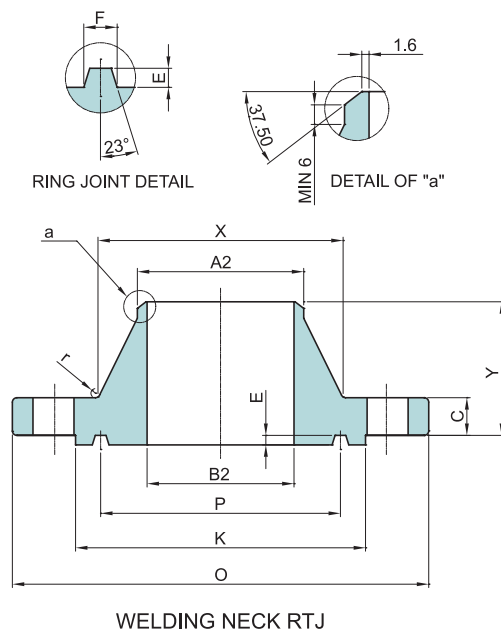
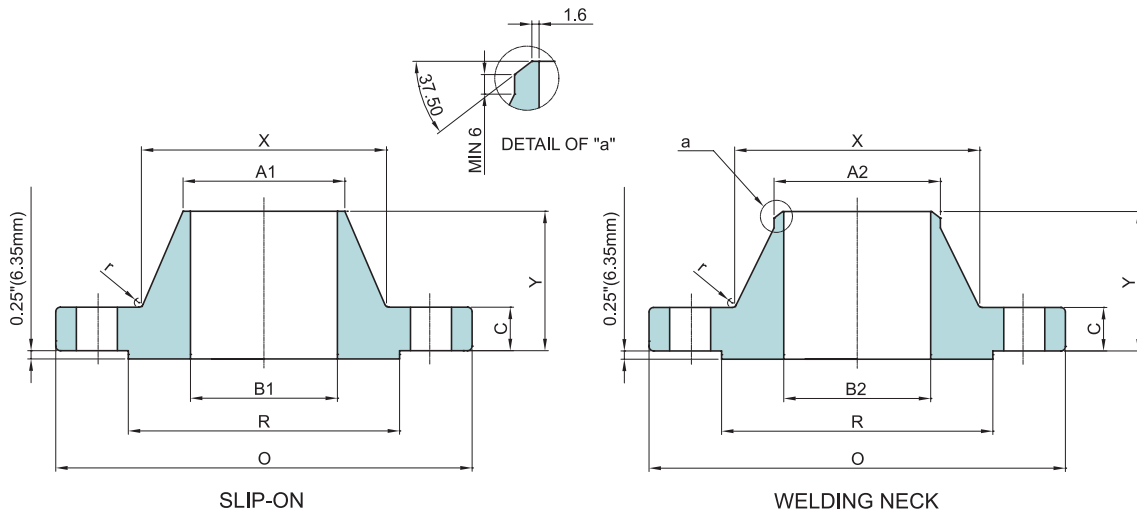
DETAIL OF "a"

WELDING NECK RTJ

Unit : mm

Size	O	PCD	R	C	C1	X	A1	A2	Y	Y1	r	B1	B2	N	H	P	F	E	K	RING NUMBER
26	971.6	876.3	749.3	79.4	103.2	720.7	687.4	666.8	184.2	182.6	9.5	666.8	To be specified by customer.	28	44.5	749.3	19.8	12.7	809.6	R93
28	1035.1	939.8	800.1	85.7	109.5	774.7	739.8	717.6	196.9	195.3	11.1	717.6		28	44.5	800.1	19.8	12.7	860.4	R94
30	1092.2	997.0	857.3	92.1	115.9	825.5	792.2	768.4	209.6	208.0	11.1	768.4		28	47.6	857.3	19.8	12.7	917.6	R95
32	1149.4	1054.1	914.4	98.4	125.4	881.1	844.6	819.2	222.3	220.7	11.1	819.2		28	50.8	914.4	23.0	14.3	984.3	R96
34	1206.5	1104.9	965.2	101.6	128.6	936.6	896.9	871.5	231.8	230.2	12.7	870.0		28	50.8	965.2	23.0	14.3	1035.1	R97
36	1270.0	1168.4	1022.4	104.8	131.8	990.6	949.3	922.3	241.3	239.7	12.7	920.8		32	54.0	1022.4	23.0	14.3	1092.2	R98

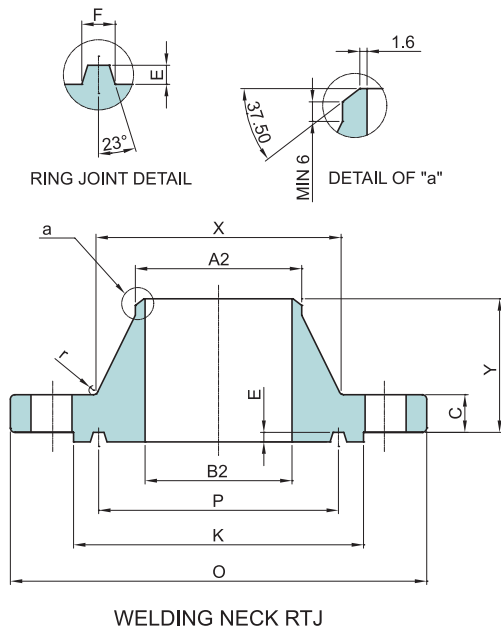
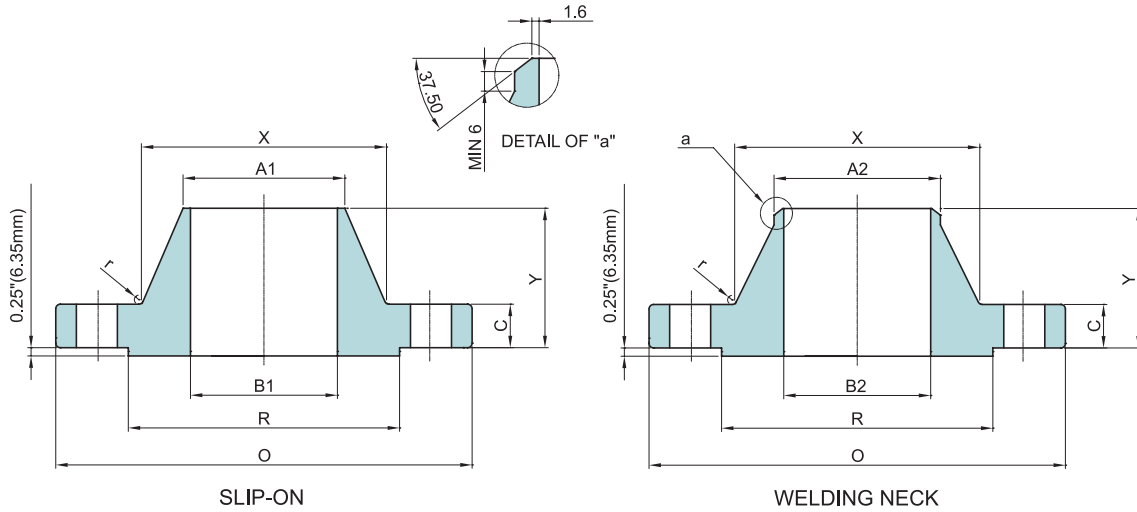
## CLASS 400 FLANGES



Unit : mm

Size	O	PCD	R	C	X	A1	A2	Y	r	B1	B2	N	H	P	F	E	K	RING NUMBER
26	971.6	876.3	749.3	88.9	727.1	693.7	668.3	193.7	11.1	666.8	To be specified by customer.	28	47.6	749.3	19.8	12.7	809.6	R93
28	1035.1	939.8	800.1	95.3	782.6	746.1	719.1	206.4	12.7	717.6		28	50.8	800.1	19.8	12.7	860.4	R94
30	1092.2	997.0	857.3	101.6	836.6	800.1	769.9	219.1	12.7	768.4		28	54.0	857.3	19.8	12.7	917.6	R95
32	1149.4	1054.1	914.4	108.0	889.0	852.5	822.3	231.8	12.7	819.2		28	54.0	914.4	23.0	14.3	984.3	R96
34	1206.5	1104.9	965.2	111.1	944.6	904.9	873.1	241.3	14.3	870.0		28	54.0	965.2	23.0	14.3	1035.1	R97
36	1270.0	1168.4	1022.4	114.3	1000.1	958.9	925.5	250.8	14.3	920.8		32	54.0	1022.4	23.0	14.3	1092.2	R98

# CLASS 600 FLANGES



Unit : mm

Size	O	PCD	R	C	X	A1	A2	Y	r	B1	B2	N	H	P	F	E	K	RING NUMBER
26	1016.0	914.4	749.3	108.0	747.7	706.4	671.5	222.3	14.3	666.8	To be specified by customer.	28	50.8	749.3	19.8	12.7	809.6	R93
28	1073.2	965.2	800.1	111.1	803.3	760.4	723.9	235.0	15.9	717.6		28	54.0	800.1	19.8	12.7	860.4	R94
30	1130.3	1022.4	857.3	114.3	862.0	814.4	774.7	247.7	17.5	768.4		28	54.0	857.3	19.8	12.7	917.6	R95
32	1193.8	1079.5	914.4	117.5	917.6	868.4	825.5	260.4	17.5	819.2		28	60.3	914.4	23.0	14.3	984.3	R96
34	1244.6	1130.3	965.2	120.7	973.1	922.3	877.9	269.9	19.1	870.0		28	60.3	965.2	23.0	14.3	1035.1	R97
36	1314.5	1193.8	1022.4	123.8	1031.9	976.3	928.7	282.6	19.1	920.8		28	66.7	1022.4	23.0	14.3	1092.2	R98