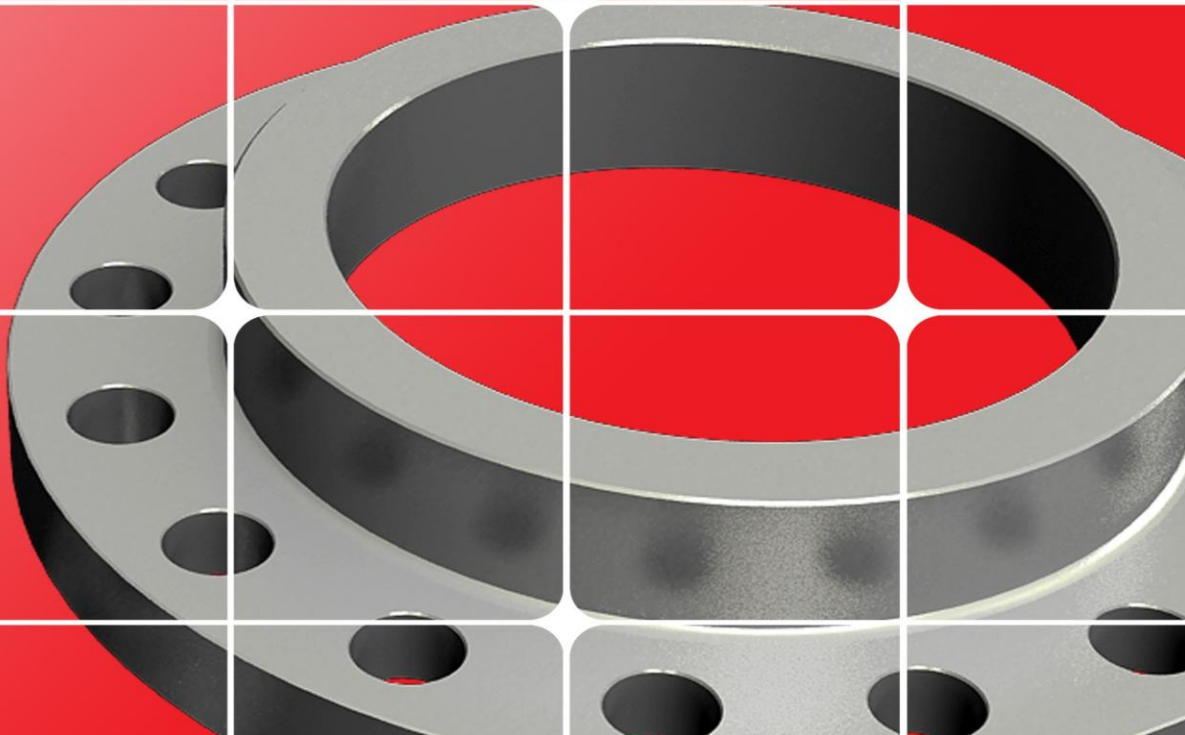
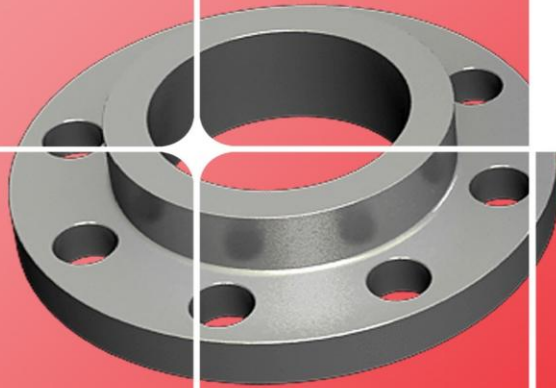
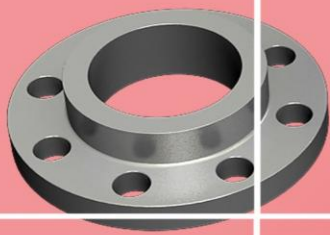


BS 10 FLANGES

- Weld Neck Flanges
 - Socket Weld Flanges
 - Threaded Flanges
 - Lap Joint Flanges
 - Blind Flanges
 - Slip On Flanges
- Table **D**
 - Table **E**
 - Table **F**
 - Table **H**
 - Table **J**



BS 10 Flanges Specifications

Flange Face Types:	Weld Neck Flanges, Threaded flanges, Slip On Flanges, Plate Flanges, Blind Flanges
Dimension Standards:	BS 10
Sizes	1/2" NB to 48"NB (DN 12 – 1200 mm)
Material and Grades:	Stainless Steel BS 10 Flange:
Stainless Steel	ASTM A 182, A 240 F 304, 304L, 304H, 316, 316L, 316Ti, 310, 310S, 321, 321H, 317, 347, 347H, 904L
Duplex & Super Duplex	ASTM / ASME A/SA 182 F 44, F 45, F51, F 53, F 55, F 60, F 61
Carbon Steel	ASTM / ASME A/SA 105 ASTM / ASME A 350 , ASTM A 181 LF 2 / A516 Gr.70 A36, A694 F42, F46, F52, F60, F65, F706
Low Temperature Carbon Steel	ASTM A350, LF2, LF3
Alloy Steel	ASTM / ASME A/SA 182 & A 387 F1, F5, F9, F11, F12, F22, F91
Copper Alloy	ASTM SB 61 , SB62 , SB151 , SB152 UNS No. C 70600 (Cu-Ni 90/10), C 71500 (Cu-Ni 70/30), UNS No. C 10100, 10200, 10300, 10800, 12000, 12200
Nickel	ASTM SB564, SB160, SB472, SB162 Nickel 200 (UNS No. N02200), Nickel 201 (UNS No. N02201),
Monel	Monel 400 (UNS No. N04400), Monel 500 (UNS No. N05500)
Inconel	Inconel 800 (UNS No. N08800), Inconel 825 (UNS No. N08825)
Incoloy	Incoloy 600 (UNS No. N06600), Incoloy 625 (UNS No. N06625), Incoloy 601 (UNS No. N06601)
Hastelloy	Hastelloy C 276 (UNS No. N10276)
Alloy 20	Alloy 20 (UNS No. N08020)
Surface Treatment	Anti-rust Paint, Oil Black Paint, Yellow Transparent, Zinc Plated, Cold and Hot Dip Galvanized

Applications:

The British Standard BS10, 1962 is a standard Specification for Flanges and Bolting for Pipes, Valves, and Fittings. The BS 10 flange dimensions in mm covers boss, plain, integrally cast or forged, and welding neck type flanges, in flanges as per BS 10 table e. BS 10 Forged Flange.

BS 10 Flanges are made in different material grades such as stainless steels, alloy steels and high alloys like nickel copper alloys. R.C. Metal Corporation is a leading supplier and manufacturer of the BS 10 Table D Flanges and other types in various sizes and types.

These Bs 10 Flanges are used in applications where resistance against corrosion is needed, and these are also used where hygiene is required. Therefore, these BS 10 Blind Flanges are helpful in environments where the atmosphere might be subjected to unfavourable conditions such as high pressures and temperatures. These BS 10 Flange is use in various industries like :

- Oil and Gas Pipeline
- Chemical Industry
- Heating
- Paper & Pulp Industry
- Fabrication Industry
- Bitumen upgraders
- Heavy oil refineries
- Nuclear power
- Pharma and Food Industry

BS 10 Flanges Types



Weld Neck Flange



Threaded Flange



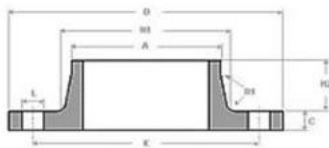
Slip On Flange



Flat Flange



Blind Flange



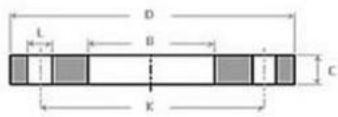
Weld Neck Flange



Threaded Flange



Slip On Flange



Flat Flange



Blind Flange

BS 10 Flanges Class

BS 10 – Table D	BS 10 – Table E
BS 10 – Table F	BS 10 – Table H
BS 10 – Table J	

BS 10 Table D Flange Dimensions

NB Sizes In		D	K	L	A	C	N1	N2	B	H1	H2	R1	R2	Holes
Inches	Millimetre													
½"	15	95.3	66.8	14.5	21.3	4.8	27	33.3	22.4	9.5	22.2	6.4	1.6	4
¾"	20	101.6	73.2	14.5	26.7	4.8	33.3	38.1	27.7	11.1	22.2	6.4	1.6	4
1"	25	114.3	82.6	14.5	33.5	4.8	42.9	47.6	34.6	11.1	22.2	6.4	1.6	4
1 ¼"	32	120.7	87.4	14.5	42.2	6.4	49.2	55.6	43.2	11.1	25.4	6.4	1.6	4
1 ½"	40	133.4	98.6	14.5	48.3	6.4	58.7	61.9	49.5	12.7	28.6	6.4	1.6	4
2"	50	152.4	114.3	17.5	60.5	7.9	69.9	74.6	62	12.7	28.6	6.4	1.6	4
2 ½"	65	165.1	127	17.5	73.2	7.9	82.6	90.5	74.7	15.9	31.8	6.4	1.6	4
3"	80	184.2	146.1	17.5	88.9	9.7	101.6	106.4	90.7	15.9	34.9	6.4	1.6	4
3 ½"	88	203.2	165.1	17.5	101.6	9.7	114.3	119.1	103.4	17.5	34.9	6.4	1.6	4
4"	100	215.9	177.8	17.5	114.3	9.7	130.2	133.4	116.1	19.1	41.3	9.5	3.2	4
5"	125	254	209.6	17.5	141.2	12.7	152.4	160.3	143.8	19.1	44.5	9.5	3.2	8
6"	150	279.4	235	17.5	168.4	12.7	184.2	185.7	171.7	19.1	47.6	9.5	3.2	8
8"	200	336.6	292.1	17.5	219.2	12.7	241.3	241.3	221.5	22.2	50.8	9.5	3.2	8
10"	250	406.4	355.6	22.2	273.1	16	292.1	298.5	276.4	27	63.5	9.5	3.2	8
12"	300	457.2	406.4	22.2	323.9	19.1	342.9	349.3	325.9	28.6	69.9	9.5	4.8	12
14"	350	527.1	469.9	25.4	355.6	22.2	406.4	-	359.2	-	73	9.5	4.8	12
16"	400	577.9	520.7	25.4	406.4	22.2	-	-	410.5	-	-	-	-	12
18"	450	641.4	584.2	25.4	457.2	25.4	-	-	461.8	-	-	-	-	12
20"	500	704.9	641.4	25.4	508	28.6	-	-	513.1	-	-	-	-	16
24"	600	825.5	755.7	28.7	609.6	31.8	-	-	616	-	-	-	-	16

* Dimensions are in mm

BS 10 Table E Flange Dimensions

NB Sizes In		D	K	L	A	C	N1	N2	B	H1	H2	R1	R2	Holes
Inches	Millimetre													
½"	15	95.3	66.8	14.5	21.3	6.4	27	33.3	22.4	9.5	22.2	6.4	1.6	4
¾"	20	101.6	73.2	14.5	26.7	6.4	33.3	38.1	27.7	11.1	22.2	6.4	1.6	4
1"	25	114.3	82.6	14.5	33.5	7.2	42.9	47.6	34.6	11.1	22.2	6.4	1.6	4
1 ¼"	32	120.7	87.4	14.5	42.2	7.9	49.2	55.6	43.2	11.1	25.4	6.4	1.6	4
1 ½"	40	133.4	98.6	14.5	48.3	8.7	58.7	61.9	49.5	12.7	28.6	6.4	1.6	4
2"	50	152.4	114.3	17.5	60.5	9.5	69.9	74.6	62	12.7	28.6	6.4	1.6	4
2 ½"	65	165.1	127	17.5	73.2	10.3	82.6	90.5	74.7	15.9	31.8	6.4	1.6	4
3"	80	184.2	146.1	17.5	88.9	11.1	101.6	106.4	90.7	15.9	34.9	6.4	1.6	4
3 ½"	88	203.2	165.1	17.5	101.6	11.9	114.3	119.1	103.4	17.5	34.9	6.4	1.6	4
4"	100	215.9	177.8	17.5	114.3	12.7	130.2	133.4	116.1	19.1	41.3	9.5	3.2	4
5"	125	254	209.6	17.5	141.2	14.3	152.4	160.3	143.8	19.1	44.5	9.5	3.2	8
6"	150	279.4	235	17.5	168.4	17.5	184.2	185.7	171.7	19.1	47.6	9.5	3.2	8
8"	200	336.6	292.1	17.5	219.2	19.1	241.3	241.3	221.5	22.2	50.8	9.5	3.2	8
10"	250	406.4	355.6	22.2	273.1	22.2	292.1	298.5	276.4	27	63.5	9.5	3.2	8
12"	300	457.2	406.4	22.2	323.9	25.4	342.9	349.3	325.9	28.6	69.9	9.5	4.8	12
14"	350	527.1	469.9	25.4	355.6	28.6	406.4	-	359.2	-	73	9.5	4.8	12
16"	400	577.9	520.7	25.4	406.4	31.8	431.8	-	410.5	-	-	-	-	12
18"	450	641.4	584.2	25.4	457.2	34.9	-	-	461.8	-	-	-	-	12
20"	500	704.9	641.4	25.4	508	38.1	-	-	513.1	-	-	-	-	16
24"	600	825.5	755.7	28.7	609.6	47.6	-	-	616	-	-	-	-	16

* Dimensions are in mm

BS 10 Table F Flange Dimensions In MM

NB Sizes In		D	K	L	A	C	N1	N2	B	H1	H2	R1	R2	Holes
Inches	Millimeter													
½"	15	95.3	66.8	14.5	21.3	6.4	27	33.3	22.4	9.5	22.2	6.4	1.6	4
¾"	20	101.6	73.2	14.5	26.7	6.4	33.3	38.1	27.7	11.1	22.2	6.4	1.6	4
1"	25	114.3	82.6	14.5	33.5	7.2	42.9	47.6	34.6	11.1	22.2	6.4	1.6	4

Versatile piping solutions for industries

1 ¼"	32	120.7	87.4	14.5	42.2	7.9	49.2	55.6	43.2	11.1	25.4	6.4	1.6	4
1 ½"	40	133.4	98.6	14.5	48.3	8.7	58.7	61.9	49.5	12.7	28.6	6.4	1.6	4
2"	50	152.4	114.3	17.5	60.5	9.5	69.9	74.6	62	12.7	28.6	6.4	1.6	4
2 ½"	65	165.1	127	17.5	73.2	10.3	82.6	90.5	74.7	15.9	31.8	6.4	1.6	4
3"	80	184.2	146.1	17.5	88.9	11.1	101.6	106.4	90.7	15.9	34.9	6.4	1.6	4
3 ½"	88	203.2	165.1	17.5	101.6	11.9	114.3	119.1	103.4	17.5	34.9	6.4	1.6	4
4"	100	215.9	177.8	17.5	114.3	12.7	130.2	133.4	116.1	19.1	41.3	9.5	3.2	4
5"	125	254	209.6	17.5	141.2	14.3	152.4	160.3	143.8	19.1	44.5	9.5	3.2	8
6"	150	279.4	235	17.5	168.4	17.5	184.2	185.7	171.7	19.1	47.6	9.5	3.2	8
8"	200	336.6	292.1	17.5	219.2	19.1	241.3	241.3	221.5	22.2	50.8	9.5	3.2	8
10"	250	406.4	355.6	22.2	273.1	22.2	292.1	298.5	276.4	27	63.5	9.5	3.2	8
12"	300	457.2	406.4	22.2	323.9	25.4	342.9	349.3	325.9	28.6	69.9	9.5	4.8	12
14"	350	527.1	469.9	25.4	355.6	28.6	406.4	-	359.2	-	73	9.5	4.8	12
16"	400	577.9	520.7	25.4	406.4	31.8	431.8	-	410.5	-	-	-	-	12
18"	450	641.4	584.2	25.4	457.2	34.9	-	-	461.8	-	-	-	-	12
20"	500	704.9	641.4	25.4	508	38.1	-	-	513.1	-	-	-	-	16
24"	600	825.5	755.7	28.7	609.6	47.6	-	-	616	-	-	-	-	16

* Dimensions are in mm

BS10 Table H Flange Dimensions

NB Sizes In		D	K	L	A	C	N1	N2	B	H1	H2	R1	R2	Holes
Inches	Millimeter													
½"	15	114.3	82.55	17.5	21.3	12.7	27	33.3	22.4	9.525	28.6	6.4	1.6	4
¾"	20	114.3	82.55	17.5	26.7	12.7	33.3	38.1	27.7	11.1	28.6	6.4	1.6	4
1"	25	120.65	87.31	17.5	33.5	14.2875	42.9	47.6	34.6	11.1	28.6	6.4	1.6	4
1 ¼"	32	133.35	98.425	17.5	42.2	17.4625	49.2	55.6	43.2	11.1	34.9	6.4	1.6	4
1 ½"	40	139.7	104.775	17.5	48.3	17.4625	58.7	61.9	49.5	12.7	34.9	6.4	1.6	4
2"	50	165.1	127	17.5	60.5	19.05	69.9	74.6	62	12.7	34.9	6.4	1.6	4
2 ½"	65	184.15	146.05	17.5	73.2	19.05	82.6	90.5	74.7	15.9	38.1	6.4	1.6	8
3"	80	203.2	165.1	17.5	88.9	22.22	101.6	106.4	90.7	15.9	44.5	6.4	1.6	8
3 ½"	88	215.9	177.8	17.5	101.6	22.22	114.3	119.1	103.4	17.5	44.5	6.4	1.6	8
4"	100	228.6	190.5	17.5	114.3	25.4	130.2	133.4	116.1	19.1	50.8	9.5	3.2	8
5"	125	279.4	234.95	22.2	141.2	28.575	152.4	160.3	143.8	19.1	57.1	9.5	3.2	8
6"	150	304.8	260.35	22.2	168.4	28.575	184.2	185.7	171.7	19.1	57.1	9.5	3.2	12
8"	200	368.3	323.85	22.2	219.2	31.75	241.3	241.3	221.5	22.2	66.7	9.5	3.2	12
10"	250	431.8	381	25.4	273.1	34.925	292.1	298.5	276.4	27	47.6	9.5	4.8	12
12"	300	488.95	438.15	25.4	323.9	41.275	342.9	349.3	325.9	28.6	79.4	9.5	4.8	16
14"	350	552.45	495.3	28.7	355.6	47.625	406.4	-	359.2	-	85.7	9.5	-	16
16"	400	609.6	552.45	28.7	406.4	53.975	431.8	-	410.5	-	-	-	-	20
18"	450	673.1	609.6	31.75	457.2	60.325	-	-	461.8	-	-	-	-	20
20"	500	736.6	673.1	31.75	508	66.675	-	-	513.1	-	-	-	-	24
24"	600	850.9	781.05	34.9	609.6	76.2	-	-	616	-	-	-	-	24

* Dimensions are in mm

BS 10 Table J Flange Dimensions

Maximum Pipe Sizes		L	D	A	K	C	N2	N1	B	H2	R1	H1	R2	Holes
Inch	Millimetre (MM)													
½"	15	14.5	95.3	21.3	66.8	6.4	33.3	27	22.4	22.2	6.4	9.5	1.6	4
¾"	20	14.5	101.6	26.7	73.2	6.4	38.1	33.3	27.7	22.2	6.4	11.1	1.6	4
1"	25	14.5	114.3	33.5	82.6	7.2	47.6	42.9	34.6	22.2	6.4	11.1	1.6	4
1 ¼"	32	14.5	120.7	42.2	87.4	7.9	55.6	49.2	43.2	25.4	6.4	11.1	1.6	4
1 ½"	40	14.5	133.4	48.3	98.6	8.7	61.9	58.7	49.5	28.6	6.4	12.7	1.6	4
2"	50	17.5	152.4	60.5	114.3	9.5	74.6	69.9	62	28.6	6.4	12.7	1.6	4
2 ½"	65	17.5	165.1	73.2	127	10.3	90.5	82.6	74.7	31.8	6.4	15.9	1.6	4
3"	80	17.5	184.2	88.9	146.1	11.1	106.4	101.6	90.7	34.9	6.4	15.9	1.6	4

Versatile piping solutions for industries

3 1/2"	88	17.5	203.2	101.6	165.1	11.9	119.1	114.3	103.4	34.9	6.4	17.5	1.6	4
4"	100	17.5	215.9	114.3	177.8	12.7	133.4	130.2	116.1	41.3	9.5	19.1	3.2	4
5"	125	17.5	254	141.2	209.6	14.3	160.3	152.4	143.8	44.5	9.5	19.1	3.2	8
6"	150	17.5	279.4	168.4	235	17.5	185.7	184.2	171.7	47.6	9.5	19.1	3.2	8
8"	200	17.5	336.6	219.2	292.1	19.1	241.3	241.3	221.5	50.8	9.5	22.2	3.2	8
10"	250	22.2	406.4	273.1	355.6	22.2	298.5	292.1	276.4	63.5	9.5	27	3.2	8
12"	300	22.2	457.2	323.9	406.4	25.4	349.3	342.9	325.9	69.9	9.5	28.6	4.8	12
14"	350	25.4	527.1	355.6	469.9	28.6	-	406.4	359.2	73	9.5	-	4.8	12
16"	400	25.4	577.9	406.4	520.7	31.8	-	431.8	410.5	-	-	-	-	12
18"	450	25.4	641.4	457.2	584.2	34.9	-	-	461.8	-	-	-	-	12
20"	500	25.4	704.9	508	641.4	38.1	-	-	513.1	-	-	-	-	16
24"	600	28.7	825.5	609.6	755.7	47.6	-	-	616	-	-	-	-	16

* Dimensions are in mm