

Skyland Metal & Alloys Inc.

API 6A Flanges Catalogue

Skyland offer a large range of API 6A and ANSI forged swivel flanges, Blind flanges, slip-on flanges and weld-neck flanges in 4130 carbon steel, to suit 2" to 6" nominal bore XXS pipe with pressure rating below. The API 6A specification requires a rigorous and unique quality system including stringent dimensional and NDT control. The application of an API monogram is that you, the client will be guaranteed of total compliance with the API specifications

API Studded Blocks

Flanged studded crosses and tees are available from 2" through to 6" with pressure ratings of 5,000 psi and 10,000 psi in AISI 4130 material.

Hub & Clamp Connector

connector is a compact mechanical joint consisting of four basic elements:- hubs, seal ring, clamps and bolting. During assembly the hubs are pulled together under the twin wedge action of the clamp segments, the sealing action is improved due to internal pressure. Each connector requires only four bolts, which includes a 100% safety/redundancy factor. The ability of the clamp connector to withstand severe bending without leakage or periodic re-tightening, has been recognised for many years in the Offshore Industry. All materials are AISI 4130- carbon steel and meet the requirements of with the following pressure ratings. The particular advantage of the connector is its ability to be disconnected quickly and avoid 'hot work' on site.

Piyush Bhansali
(International Sales)
+91 9930552852

sales@skylandmetal.in

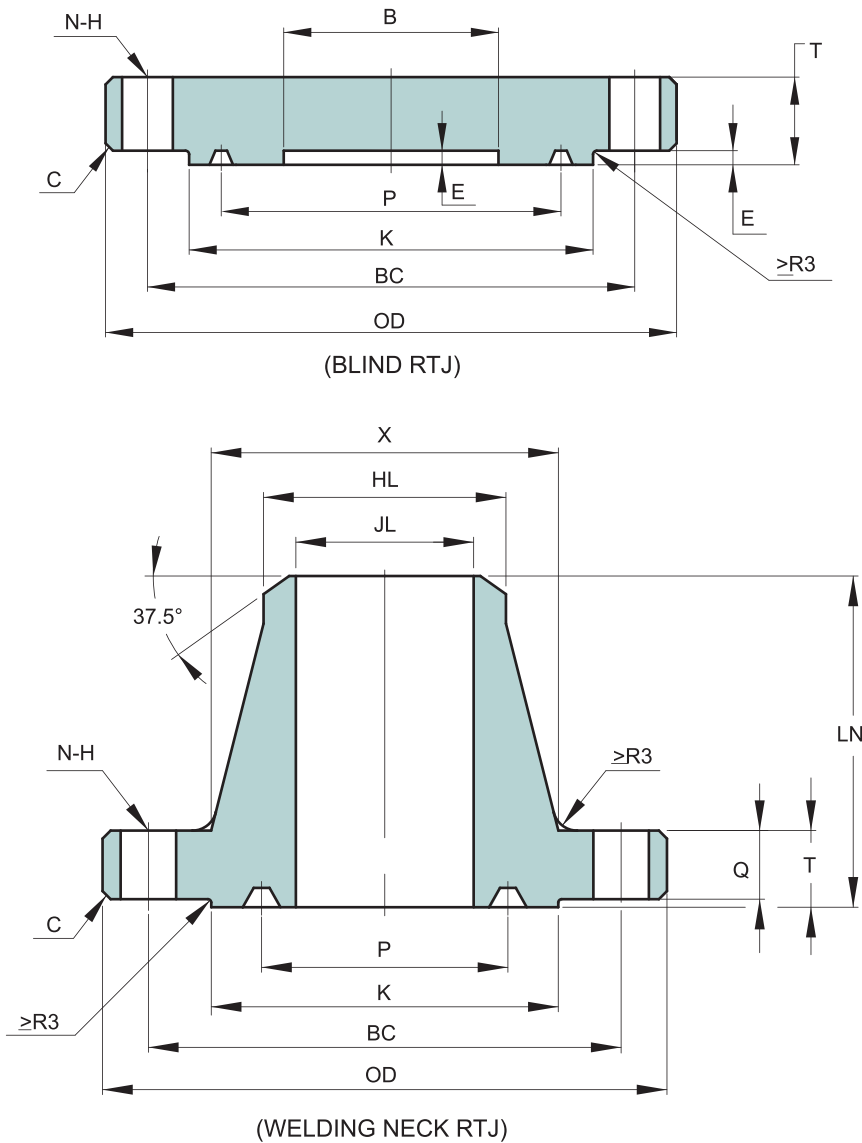
piyush.bhansali

Bhavesh Bhansali (Domestic
Sales)
+91 9833853231

bhavesh@skylandmetal.in

bhavesh.bhansali6

API 6A - TYPE - 6B 13.8 MPA (2000 PSI)



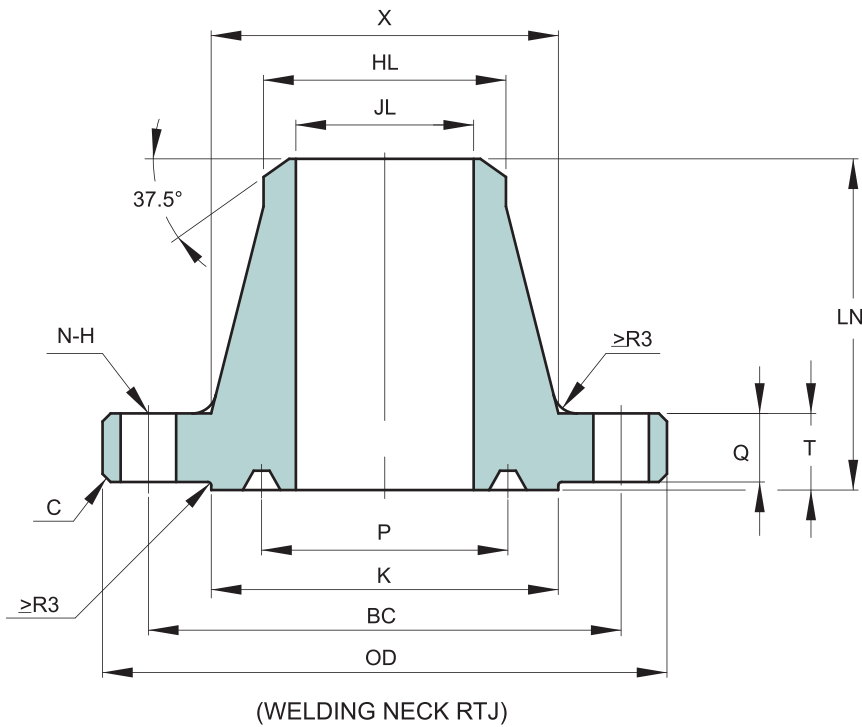
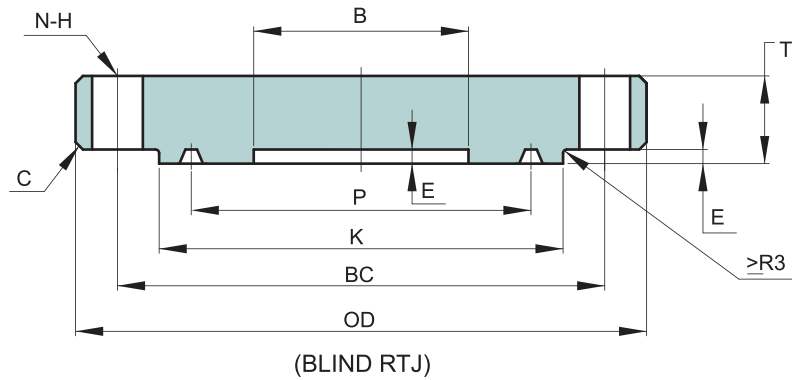
UNIT : mm

Size	B	OD	C (MAX.)	K	P	E	T	Q	X	BC	N	H	LN	HL	JL	Ring Number
																R or RX
2 1/16"	53.2	165	3	108	82.55	7.9	33.4	25.4	84	127	8	20	81	60.3	53.3	23
2 9/16"	65.9	190	3	127	101.60	7.9	36.6	28.6	100	149.2	8	23	88	73.0	63.5	26
3 1/8"	81.8	210	3	146	123.83	7.9	39.7	31.8	117	168.3	8	23	91	88.9	78.7	31
4 1/16"	108.7	275	3	175	149.23	7.9	46.1	38.1	152	215.9	8	26	110	114.3	103.1	37
5 1/8"	131.0	330	3	210	180.98	7.9	52.4	44.5	189	266.7	8	29	122	141.3	122.9	41
7 1/16"	181.8	355	6	241	211.15	7.9	55.6	47.6	222	292.1	12	29	126	168.3	147.1	45
9"	229.4	420	6	302	269.88	7.9	63.5	55.6	273	349.3	12	32	141	219.1	199.1	49
11"	280.2	510	6	356	323.85	7.9	71.5	63.5	343	431.8	16	35	160	273.0	248.4	53
13 5/8"	346.9	560	6	413	381.00	7.9	74.7	66.7	400	489	20	35	-	-	-	57
16 3/4"	426.2	685	6	508	469.90	7.9	84.2	76.2	495	603.2	20	42	-	-	-	65
21 1/4"	540.5	815	6	635	584.20	9.7	98.5	88.9	610	723.9	24	45	-	-	-	73

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A - 20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6B 20.7 MPA (3000 PSI)



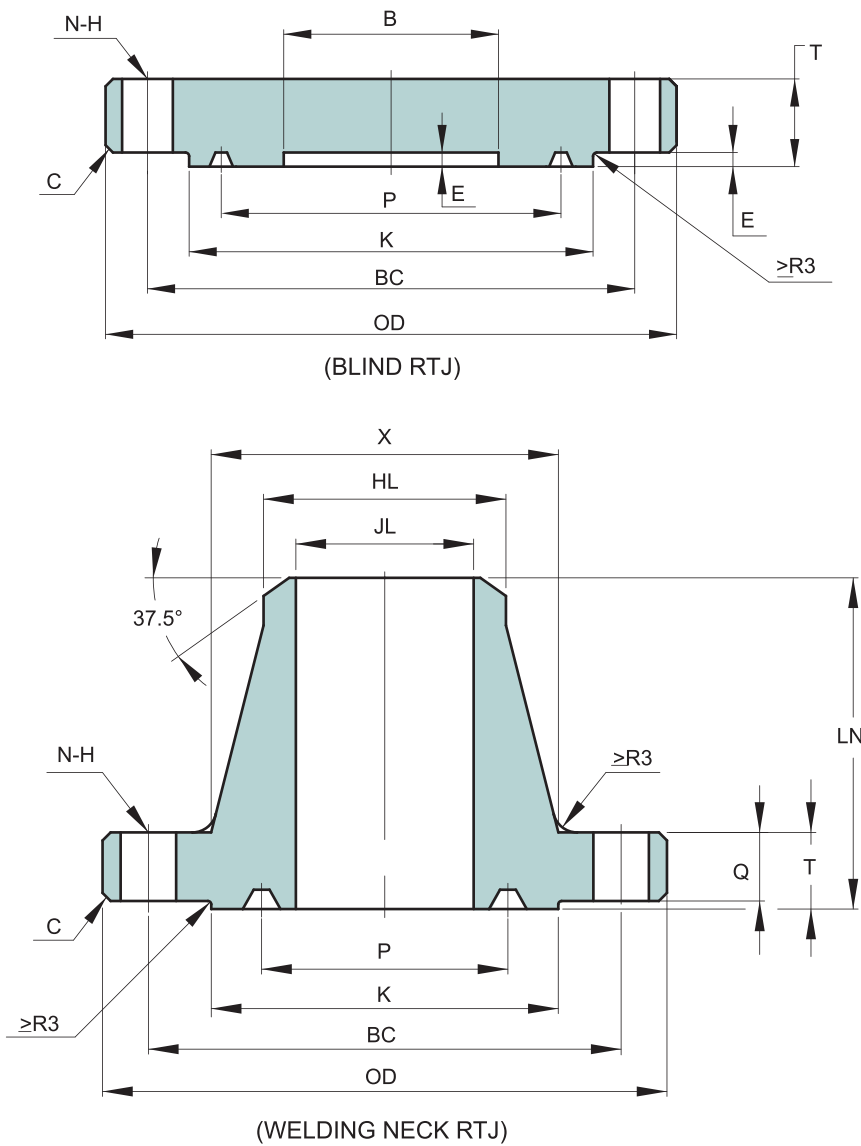
UNIT : mm

Size	B	OD	C (MAX.)	K	P	E	T	Q	X	BC	N	H	LN	HL	JL	Ring Number
																R or RX
2 1/16"	53.2	215	3	124	95.25	7.9	46.1	38.1	104.8	165.1	8	26	109.6	60.3	50.0	24
2 9/16"	65.9	245	3	137	107.95	7.9	49.3	41.3	123.8	190.5	8	29	112.7	73.0	59.7	27
3 1/8"	81.8	240	3	156	123.83	7.9	46.1	38.1	127.0	190.5	8	26	109.5	88.9	74.4	31
4 1/16"	108.7	290	3	181	149.23	7.9	52.4	44.4	158.8	235.0	8	32	122.2	114.3	98.0	37
5 1/8"	131.0	350	3	216	180.98	7.9	58.8	50.8	190.5	279.4	8	35	134.9	141.3	122.9	41
7 1/16"	181.8	380	6	241	211.15	7.9	63.5	55.6	235.0	317.5	12	32	147.6	168.3	147.1	45
9"	229.4	470	6	308	269.88	7.9	71.5	63.5	298.5	393.7	12	39	169.9	219.1	189.7	49
11"	280.2	545	6	362	323.85	7.9	77.8	69.9	368.3	469.9	16	39	192.1	273	237.2	53
13 5/8"	346.9	610	6	419	381.00	7.9	87.4	79.4	419.1	533.4	20	39	-	-	-	57
16 3/4"	426.2	705	6	524	469.90	11.2	100.1	88.9	508.0	616.0	20	45	-	-	-	66
20 3/4"	527.8	855	6	648	584.20	12.7	120.7	108	622.3	749.3	20	54	-	-	-	74

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A - 20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6B 34.5 MPA (5000 PSI)



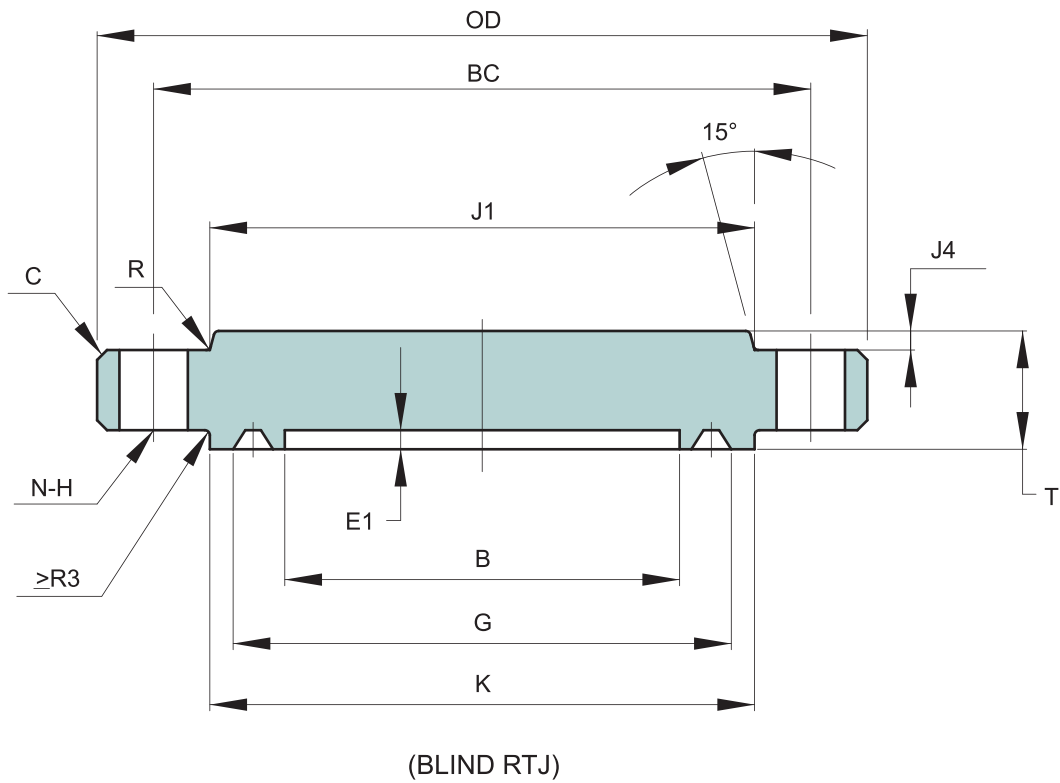
UNIT : mm

Size	B	OD	C (MAX.)	K	P	E	T	Q	X	BC	N	H	LN	HL	JL	Ring Number
																R or RX
2 1/16"	53.2	215	3	124	95.25	7.9	46.1	38.1	104.8	165.1	8	26	109.5	60.3	43.7	24
2 9/16"	65.9	245	3	137	107.95	7.9	49.3	41.3	123.8	190.5	8	29	112.7	73.0	54.9	27
3 1/8"	81.8	265	3	168	136.53	7.9	55.6	47.7	133.3	203.2	8	32	125.4	88.9	67.5	35
4 1/16"	108.7	310	3	194	161.93	7.9	62	54	161.9	241.3	8	35	131.8	114.3	88.1	39
5 1/8"	131.0	375	3	229	193.68	7.9	81	73.1	196.8	292.1	8	42	163.5	141.3	110.3	44
7 1/16"	181.8	395	6	248	211.15	9.7	92.1	82.6	228.6	317.5	12	39	181	168.3	132.6	46
9"	229.4	485	6	318	269.88	11.2	103.2	92.1	292.1	393.7	12	45	223.8	219.1	173.8	50
11"	280.2	585	6	371	323.85	11.2	119.1	108	368.3	482.6	12	51	265.1	273.1	216.7	54

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A - 20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 13.8 MPA (2000 PSI)



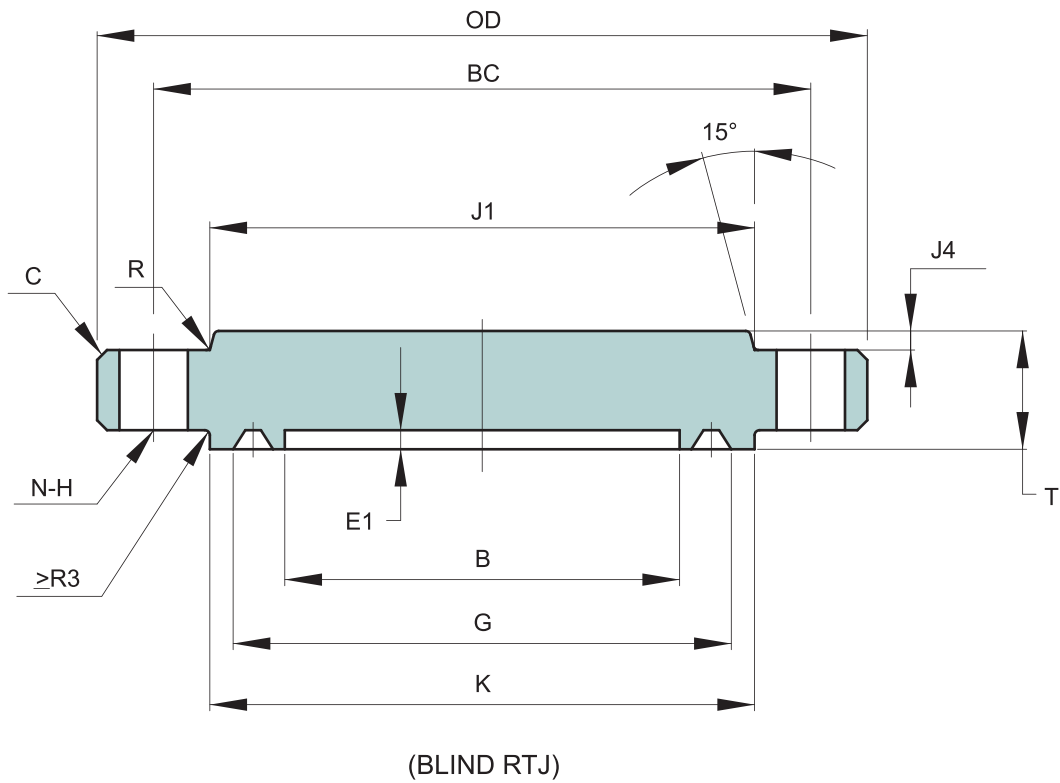
UNIT : mm

Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	Ring Number
													BX
26 3/4"	1040	6	21.4	768.33	805	126.3	835.8	9.7	16	952.5	20	48	167
30"	1120	6	23	862.3	908	134.2	931.9	17.5	16	1039.80	32	45	303

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 20.7 MPA (3000 PSI)



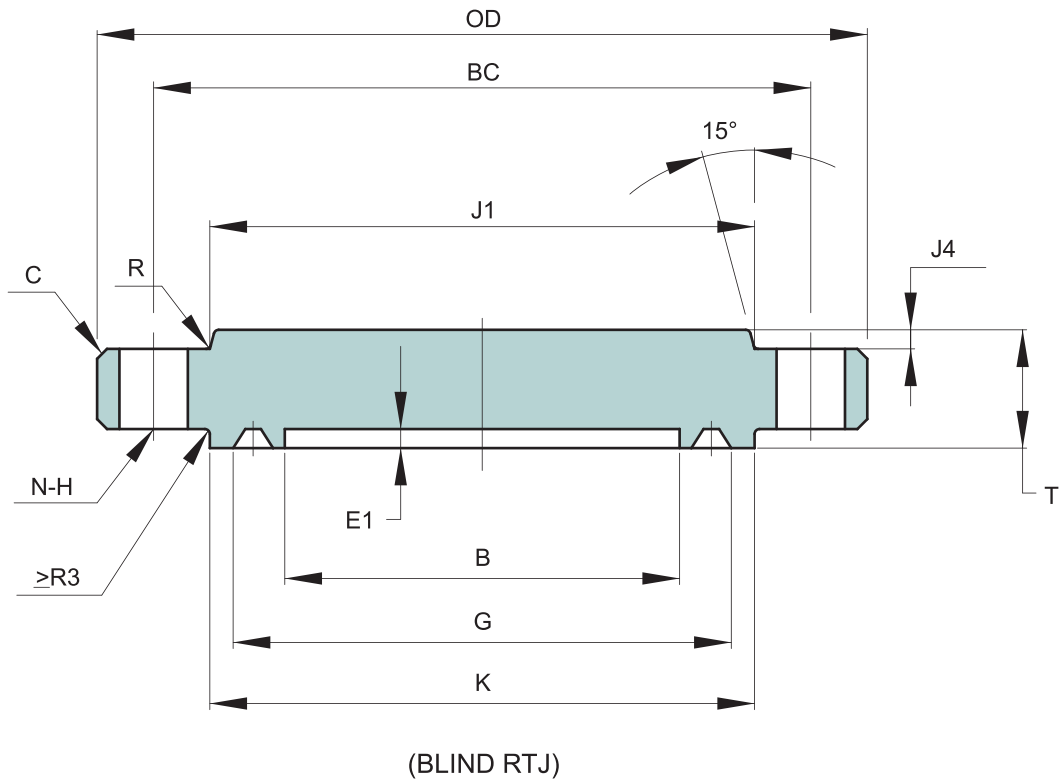
UNIT : mm

Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	Ring Number
													BX
26 3/4"	1100	6	21.4	774.22	832	161.2	870	0	16	1000.10	24	54	168
30"	1185	6	23	862.30	922	167.1	970	12.7	16	1090.60	32	51	303

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 34.5 MPA (5000 PSI)



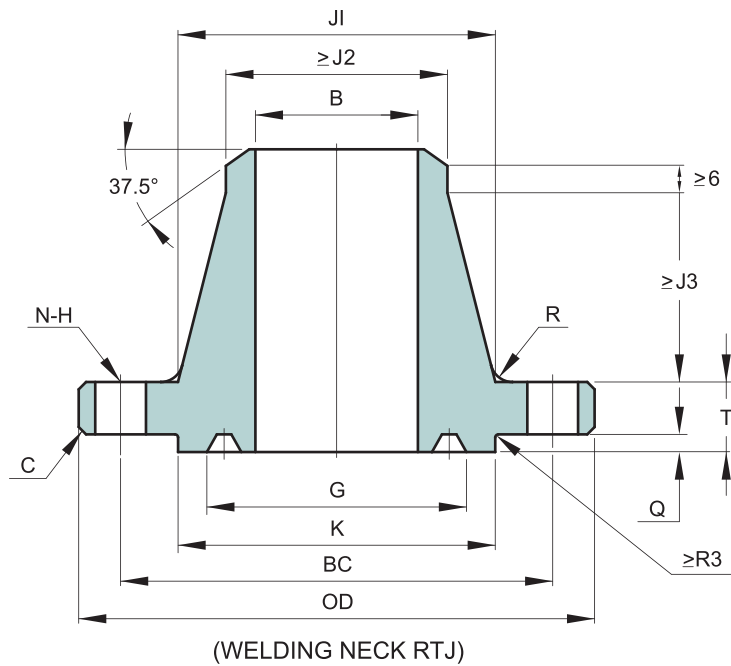
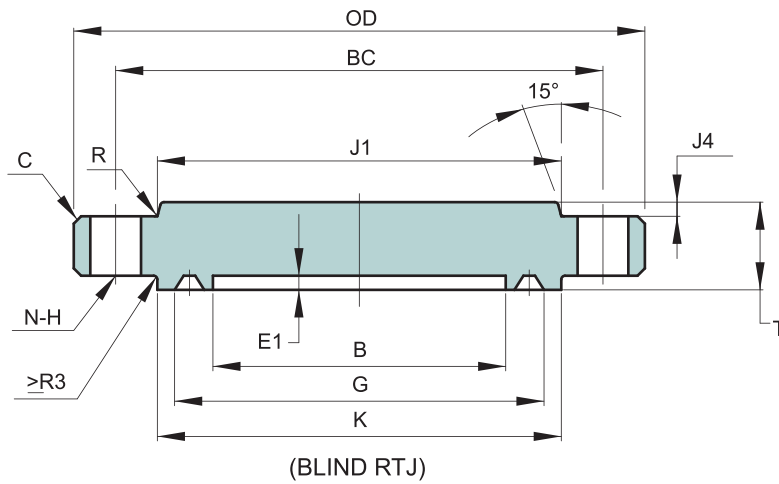
UNIT : mm

Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	Ring Number
													BX
13 5/8"	675	6	14.3	408.00	457	112.8	481.0	23.9	16	590.60	16	45	160
16 3/4"	770	6	8.3	478.33	535	130.2	555.6	17.5	19	676.30	16	51	162
18 3/4"	905	6	18.3	563.50	627	165.9	674.7	19.1	16	803.30	20	54	163
21 1/4"	990	6	19.1	632.56	702	181.0	758.8	22.4	18	885.80	24	54	165

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 69.0 MPA (10000 PSI)



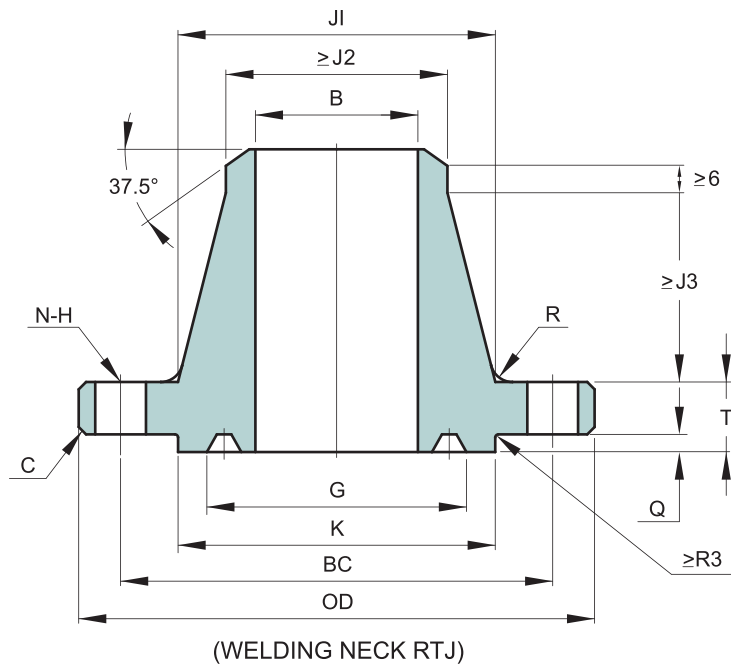
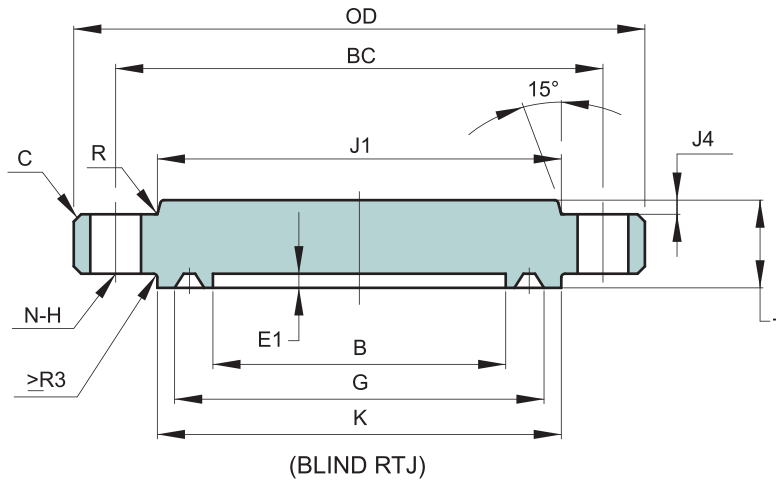
UNIT : mm

Size	B	OD	C	E1	Q (MAX.)	G	K	T	J1	J2	J3	J4	R	BC	N	H	Ring Number
																	BX
1 13/16"	46.8	185	3	-	5.56	77.77	105	42.1	88.9	65.1	48.5	-	10	146.10	8	23	151
2 1/16"	53.2	200	3	-	5.95	86.23	111	44.1	100.0	74.7	51.6	-	10	158.80	8	23	152
2 9/16"	65.9	230	3	-	6.75	102.77	132	51.2	120.7	92.1	57.2	-	10	184.20	8	26	153
3 1/16"	78.6	270	3	-	7.54	119.00	152	58.4	142.1	110.2	63.5	-	10	215.90	8	29	154
4 1/16"	104.0	315	3	-	8.33	150.62	185	70.3	182.6	146.1	73.1	-	10	258.80	8	32	155
5 1/8"	131.0	360	3	9.5	9.53	176.66	221	79.4	223.8	182.6	81.0	6.4	10	300.00	12	32	169
7 1/16"	180.2	480	6	11.1	11.11	241.83	302	103.2	301.6	254.0	95.3	9.7	16	403.20	12	42	156
9"	229.4	550	6	12.7	12.70	299.06	359	123.9	374.7	327.1	93.7	9.7	16	476.30	16	42	157
11"	280.2	655	6	14.3	14.29	357.23	429	141.3	450.9	400.1	103.2	14.2	16	565.20	16	48	158
13 5/8"	346.9	770	6	15.9	15.88	432.64	518	168.3	552.5	495.3	114.3	17.5	16	673.10	20	51	159
16 3/4"	426.2	870	6	8.3	8.33	478.33	576	168.3	655.6	601.7	76.2	30.2	19	776.30	24	51	162
18 3/4"	477.0	1040	6	18.3	18.26	577.90	697	223.1	752.5	674.7	155.6	25.4	16	925.50	24	61	164
21 1/4"	540.5	1145	6	19.1	19.05	647.88	781	241.3	847.7	762.0	165.1	31.8	21	1022.40	24	67	166

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 103.5 MPA (15000 PSI)



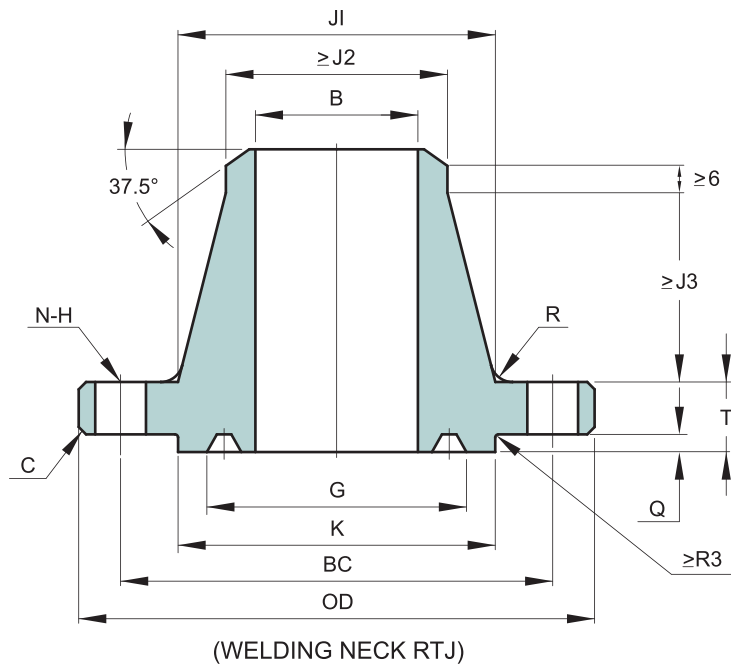
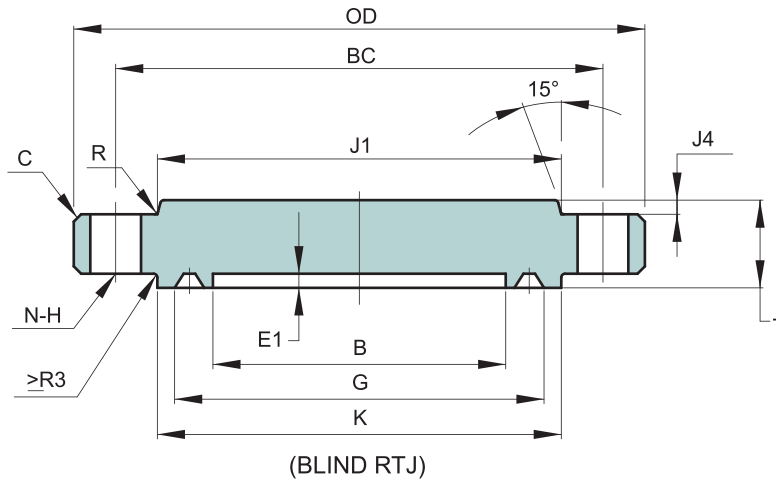
UNIT : mm

Size	B	OD	C	E1	Q (MAX.)	G	K	T	J1	J2	J3	J4	R	BC	N	H	Ring Number
																	BX
1 13/16"	46.8	210	3	-	5.56	77.77	106	45.3	97.6	71.4	47.6	-	10	160.3	8	26	151
2 1/16"	53.2	220	3	-	5.95	86.23	114	50.8	111.1	82.5	54.0	-	10	174.60	8	26	152
2 9/16"	65.9	255	3	-	6.75	102.77	133	57.2	128.6	100.0	57.1	-	10	200.00	8	29	153
3 1/16"	78.6	290	3	-	7.54	119.00	154	64.3	154.0	122.2	63.5	-	10	230.20	8	32	154
4 1/16"	104.0	360	3	-	8.33	150.62	194	78.6	195.3	158.7	73.0	-	10	290.50	8	39	155
5 1/8"	131.0	420	3	9.5	9.53	176.66	225	98.5	244.5	200.0	81.8	6.4	16	342.90	12	42	169
7 1/16"	180.2	505	6	11.1	11.11	241.83	305	119.1	325.4	276.2	92.1	7.9	16	428.60	16	42	156
9"	229.4	650	6	12.7	12.70	299.06	381	146.1	431.8	349.2	123.8	14.2	16	552.40	16	51	157
11"	280.2	815	6	14.3	14.29	357.23	454	187.4	584.2	427.0	235.7	12.7	16	711.20	20	54	158
13 5/8"	346.9	885	6	15.9	15.88	432.64	541	204.8	595.3	528.6	114.3	17.5	25	771.50	20	61	159
18 3/4"	477.0	1160	6	18.3	18.26	577.90	722	255.6	812.8	730.2	155.6	35.1	25	1016.00	20	80	164

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH

API 6A - TYPE - 6BX 138.0 MPA (20000 PSI)



UNIT : mm

Size	B	OD	C	E1	Q (MAX.)	G	K	T	J1	J2	J3	J4	R	BC	N	H	Ring Number
																	BX
1 13/16"	46.8	255	3	-	5.56	77.77	117	63.5	133.4	109.5	49.2	-	10	203.20	8	29	151
2 1/16"	53.2	285	3	-	5.95	86.23	132	71.5	154.0	127.0	52.4	-	10	230.20	8	32	152
2 9/16"	65.9	325	3	-	6.75	102.77	151	79.4	173.0	144.5	58.7	-	10	261.90	8	35	153
3 1/16"	78.6	355	3	-	7.54	119.00	171	85.8	192.1	160.3	63.5	-	10	287.30	8	39	154
4 1/16"	104.0	445	3	-	8.33	150.62	219	106.4	242.9	206.4	73.0	-	10	357.20	8	48	155
7 1/16"	180.2	655	6	11.1	11.11	241.83	352	165.1	385.8	338.1	96.8	7.9	16	554.00	16	54	156
9"	229.4	805	6	12.7	12.7	299.06	441	204.8	481.0	428.6	107.9	6.4	25	685.80	16	67	157
11"	280.2	885	6	14.3	14.29	357.23	505	223.9	566.7	508.0	103.2	12.7	25	749.30	16	74	158
13 5/8"	346.9	1160	6	15.9	15.88	432.64	614	292.1	693.7	628.6	133.3	14.2	25	1016.00	20	80	159

NOTE :

- 1) TOLERANCE ACCORDING TO API 6A-20TH
- 2) RING GASKET ACCORDING TO API 6A-20TH