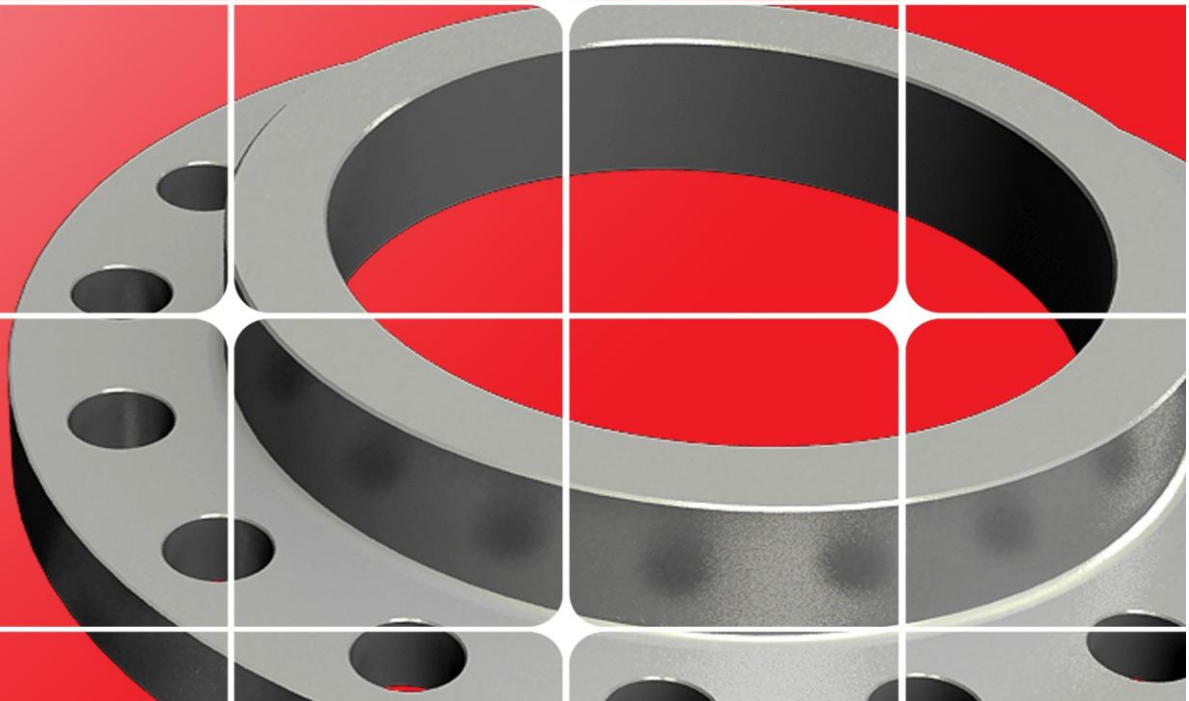
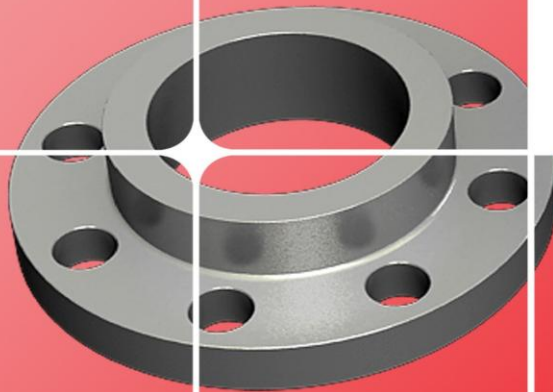
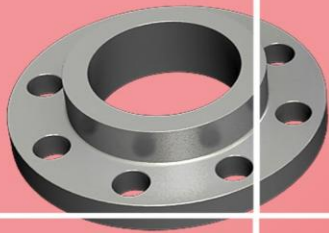


API 6A FLANGES

- **W**eld NeckRing Type Joint Flange
- **B**lind Ring Type Joint Flange
- API 6A - Type - 6B **13.8** MPA WN/BL (2000 psi)
- API 6A - Type - 6B **20.7** MPA WN/BL (3000 psi)
- API 6A - Type - 6B **34.5** MPA WN/BL (5000 psi)
- API 6A - Type - 6BX **13.8** MPA BL (2000 psi)
- API 6A - Type - 6BX **20.7** MPA BL (3000 psi)
- API 6A - Type - 6BX **34.5** MPA BL (5000 psi)
- API 6A - Type - 6BX **69.0** MPA WN/BL (10000 psi)
- API 6A - Type - 6BX **103.5** MPA WN/BL (15000 psi)
- API 6A - Type - 6BX **138.0** MPA WN/BL (20000 psi)



API 6A Flanges Specifications	
Flange Types:	Welding Neck Flanges, Blind Flanges with Ring Joint Connection
Dimension Standards:	API 6A
Pressure Class:	2000psi, 3000psi, 5000psi, 10000psi, 15000psi, 20000psi
Sizes:	1-13/16" to 30"
Material	Carbon steel: A105, SS400, SF440 RST37.2, S235JRG2, P250GH, C22.8, Stainless Steel: F304 F304L F316 F316L 316Ti, Copper etc.
Surface Treatment:	Anti-rust Paint, Oil Black Paint, Zinc Plated, Cold and Hot Dip Galvanized

Industries and Applications

The API 6A specification is a standard developed for the American Petroleum Institute and shares many characteristics with ASME flanges. They are similar in dimensions, but their minimum design requirements for working pressure begin in the class 2000, which is derived from the ASME class 600.

API Specification 6A is the recognised industry specification for wellhead and tree equipment that was formulated to provide for the availability of safer, dimensionally and functionally interchangeable wellhead and tree equipment.

The API 6A 10000 psi flanges is a high pressure rating flanges that is used in high pressure applications. The pressure capacities range from 2000psi through 20000psi.

Industries that use the API Flanges Dimensions include

- Petroleum
- Petrochemical along with the natural gas industry
- Drilling and manufacture equipment for offshore piping systems

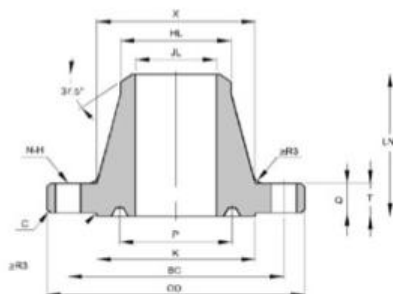
API A6 Flanges Types



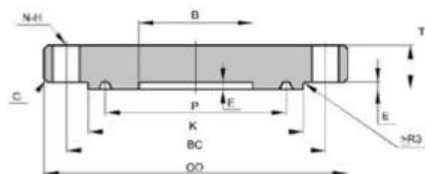
Weld Neck RTJ Flange



Blind RTJ Flange



Weld Neck RTJ Flange



Blind RTJ Flange

API A6 Flanges Class

API 6A - Type - 6B 13.8 MPA WN/BL (2000 psi)	API 6A - Type - 6B 20.7 MPA WN/BL (3000 psi)
API 6A - Type - 6B 34.5 MPA WN/BL (5000 psi)	API 6A - Type - 6BX 13.8 MPA BL (2000 psi)
API 6A - Type - 6BX 20.7 MPA BL (3000 psi)	API 6A - Type - 6BX 34.5 MPA BL (5000 psi)
API 6A - Type - 6BX 69.0 MPA WN/BL (10000 psi)	API 6A - Type - 6BX 103.5 MPA WN/BL (15000 psi)
API 6A - Type - 6BX 138.0 MPA WN/BL (20000 psi)	

API 6A - Type - 6B 13.8 MPA WN/BL (2000 psi) Flanges														
Size	B1	O	C	K	P	E	X	BC	N	H	Y	A	B2	Ring Number R or RX
2-1/16"	53.2	165	33.4	108	82.55	7.9	84	127	8	20	81	60.3	53.3	23
2-9/16"	65.9	190	36.6	127	101.6	7.9	100	149.2	8	23	88	73	63.5	26
3-1/8"	81.8	210	39.7	146	123.83	7.9	117	168.3	8	23	91	88.9	78.7	31
4-1/16"	108.7	275	46.1	175	149.23	7.9	152	215.9	8	26	110	114.3	103.1	37
5-1/8"	131	330	52.4	210	180.98	7.9	189	266.7	8	29	122	141.3	122.9	41
7-1/16"	181.8	355	55.6	241	211.15	7.9	222	292.1	12	29	126	168.3	147.1	45
9"	229.4	420	63.5	302	269.88	7.9	273	349.3	12	32	141	219.1	199.1	49
11"	280.2	510	71.5	356	323.85	7.9	343	431.8	16	35	160	273	248.4	53
13-5/8"	346.9	560	74.7	413	381	7.9	400	489	20	35	-	-	-	57
16-3/4"	426.2	685	84.2	508	469.9	7.9	495	603.2	20	42	-	-	-	65
21-1/4"	540.5	815	98.5	635	584.2	9.7	610	723.9	24	45	-	-	-	73
* Dimensions are in mm														
* Tolerance according to API 6A - 20th														

API 6A - Type - 6B 20.7 MPA WN/BL (3000 psi) Flanges														
Size	B1	O	C	K	P	E	X	BC	N	H	Y	A	B2	Ring Number R or RX
2-1/16"	53.2	215	46.1	124	95.25	7.9	104.8	165.1	8	26	109.6	60.3	50	24
2-9/16"	65.9	245	49.3	137	107.95	7.9	123.8	190.5	8	29	112.7	73	59.7	27
3-1/8"	81.8	240	46.1	156	123.83	7.9	127	190.5	8	26	109.5	88.9	74.4	31
4-1/16"	108.7	290	52.4	181	149.23	7.9	158.8	235	8	32	122.2	114.3	98	37
5-1/8"	131	350	58.8	216	180.98	7.9	190.5	279.4	8	35	134.9	141.3	122.9	41
7-1/16"	181.8	380	63.5	241	211.15	7.9	235	317.5	12	32	147.6	168.3	147.1	45
9"	229.4	470	71.5	308	269.88	7.9	298.5	393.7	12	39	169.9	219.1	189.7	49
11"	280.2	545	77.8	362	323.85	7.9	368.3	469.9	16	39	192.1	273	237.2	53
13-5/8"	346.9	610	87.4	419	381	7.9	419.1	533.4	20	39	-	-	-	57
16-3/4"	426.2	705	100.1	524	469.9	11.2	508	616	20	45	-	-	-	66
20-3/4"	527.8	855	120.7	648	584.2	12.7	622.3	749.3	20	54	-	-	-	74
* Dimensions are in mm														
* Tolerance according to API 6A - 20th														

API 6A - Type - 6B 34.5 MPA WN/BL (5000 psi) Flanges														
Size	B1	O	C	K	P	E	X	BC	N	H	Y	A	B2	Ring Number R or RX
2-1/16"	53.2	215	46.1	124	95.25	7.9	104.8	165.1	8	26	109.5	60.3	43.7	24
2-9/16"	65.9	245	49.3	137	107.95	7.9	123.8	190.5	8	29	112.7	73	54.9	27
3-1/8"	81.8	265	55.6	168	136.53	7.9	133.3	203.2	8	32	125.4	88.9	67.5	35
4-1/16"	108.7	310	62	194	161.93	7.9	161.9	241.3	8	35	131.8	114.3	88.1	39
5-1/8"	131	375	81	229	193.68	7.9	196.8	292.1	8	42	163.5	141.3	110.3	44
7-1/16"	181.8	395	92.1	248	211.15	9.7	228.6	317.5	12	39	181	168.3	132.6	46
9"	229.4	485	103.2	318	269.88	11.2	292.1	393.7	12	45	223.8	219.1	173.8	50
11"	280.2	585	119.1	371	323.85	11.2	368.3	482.6	12	51	265.1	273.1	216.7	54
* Dimensions are in mm														
* Tolerance according to API 6A - 20th														



API 6A - Type - 6BX 13.8 MPA BL (2000 psi) Flanges

													Ring Number
Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	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	1039.8	32	45	303
* Dimensions are in mm													
* Tolerance according to API 6A - 20th													

API 6A - Type - 6BX 20.7 MPA BL (3000 psi) Flanges

													Ring Number
Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	BX
26-3/4"	1100	6	21.4	774.22	832	161.2	870	0	16	1000.1	24	54	168
30"	1185	6	23	862.3	922	167.1	970	12.7	16	1090.6	32	51	303
* Dimensions are in mm													
* Tolerance according to API 6A - 20th													

API 6A - Type - 6BX 34.5 MPA BL (5000 psi) Flanges

													Ring Number
Size	OD	C	E1	G	K	T	J1	J4	R	BC	N	H	BX
13-5/8"	675	6	14.3	408	457	112.8	481	23.9	16	590.6	16	45	160
16-3/4"	770	6	8.3	478.33	535	130.2	555.6	17.5	19	676.3	16	51	162
18-3/4"	905	6	18.3	563.5	627	165.9	674.7	19.1	16	803.3	20	54	163
21-1/4"	990	6	19.1	632.56	702	181	758.8	22.4	18	885.8	24	54	165
* Dimensions are in mm													
* Tolerance according to API 6A - 20th													

API 6A - Type - 6BX 69.0 MPA WN/BL (10000 psi) Flanges

																	Ring Number
Size	B	OD	C	E1	Q (MAX.)	G	K	T	J1	J2	J3	J4	R	BC	N	H	BX
1-13/16"	46.8	185	3	-	5.56	77.77	105	42.1	88.9	65.1	48.5	-	10	146.1	8	23	151
2-1/16"	53.2	200	3	-	5.95	86.23	111	44.1	100	74.7	51.6	-	10	158.8	8	23	152
2-9/16"	65.9	230	3	-	6.75	102.77	132	51.2	120.7	92.1	57.2	-	10	184.2	8	26	153
3-1/16"	78.6	270	3	-	7.54	119	152	58.4	142.1	110.2	63.5	-	10	215.9	8	29	154
4-1/16"	104	315	3	-	8.33	150.62	185	70.3	182.6	146.1	73.1	-	10	258.8	8	32	155
5-1/8"	131	360	3	9.5	9.53	176.66	221	79.4	223.8	182.6	81	6.4	10	300	12	32	169
7-1/16"	180.2	480	6	11.1	11.11	241.83	302	103.2	301.6	254	95.3	9.7	16	403.2	12	42	156
9"	229.4	550	6	12.7	12.7	299.06	359	123.9	374.7	327.1	93.7	9.7	16	476.3	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	565.2	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	673.1	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	776.3	24	51	162
18-3/4"	477	1040	6	18.3	18.26	577.9	697	223.1	752.5	674.7	155.6	25.4	16	925.5	24	61	164
21-1/4"	540.5	1145	6	19.1	19.05	647.88	781	241.3	847.7	762	165.1	31.8	21	1022.4	24	67	166
* Dimensions are in mm																	
* Tolerance according to API 6A - 20th																	

API 6A - Type - 6BX 103.5 MPA WN/BL (15000 psi) Flanges

																	Ring Number
Size	B	OD	C	E1	Q (MAX.)	G	K	T	J1	J2	J3	J4	R	BC	N	H	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	-	10	174.6	8	26	152
2-9/16"	65.9	255	3	-	6.75	102.77	133	57.2	128.6	100	57.1	-	10	200	8	29	153
3-1/16"	78.6	290	3	-	7.54	119	154	64.3	154	122.2	63.5	-	10	230.2	8	32	154
4-1/16"	104	360	3	-	8.33	150.62	194	78.6	195.3	158.7	73	-	10	290.5	8	39	155



5-1/8"	131	420	3	9.5	9.53	176.66	225	98.5	244.5	200	81.8	6.4	16	342.9	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	428.6	16	42	156
9 "	229.4	650	6	12.7	12.7	299.06	381	146.1	431.8	349.2	123.8	14.2	16	552.4	16	51	157
11"	280.2	815	6	14.3	14.29	357.23	454	187.4	584.2	427	235.7	12.7	16	711.2	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	771.5	20	61	159
18-3/4"	477	1160	6	18.3	18.26	577.9	722	255.6	812.8	730.2	155.6	35.1	25	1016	20	80	164

* Dimensions are in mm

* Tolerance according to API 6A - 20th

API 6A - Type - 6BX 138.0 MPA WN/BL (20000 psi) Flanges

Siz e	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	203.2	8	29	151
2-1/16"	53.2	285	3	-	5.95	86.23	132	71.5	154	127	52.4	-	10	230.2	8	32	152
2-9/16"	65.9	325	3	-	6.75	102.77	151	79.4	173	144.5	58.7	-	10	261.9	8	35	153
3-1/16"	78.6	355	3	-	7.54	119	171	85.8	192.1	160.3	63.5	-	10	287.3	8	39	154
4-1/16"	104	445	3	-	8.33	150.62	219	106.4	242.9	206.4	73	-	10	357.2	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	16	54	156
9 "	229.4	805	6	12.7	12.7	299.06	441	204.8	481	428.6	107.9	6.4	25	685.8	16	67	157
11"	280.2	885	6	14.3	14.29	357.23	505	223.9	566.7	508	103.2	12.7	25	749.3	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	20	80	159

* Dimensions are in mm

* Tolerance according to API 6A - 20th