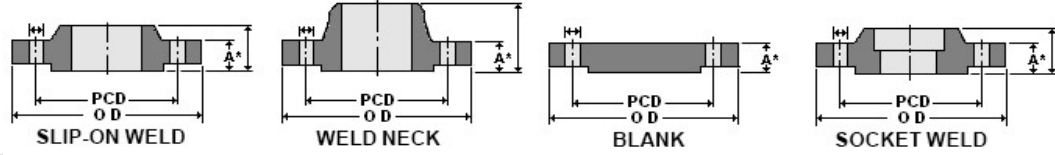


Data Sheet for Steel ANSI Standard Flanges

FLANGE ASME B16.5 FORGED FLANGES



<u>CLASS 150</u>	SLIP-ON WELD		WELD NECK		BLANK		SOCKET WELD												
Nominal Bore Size	15	20	25	32	40	50	65	80	100	125	150#	200#	250	300	350	400	450	500	600
OD OF FLANGE	90	100	110	120	130	150	180	190	230	255	280	345	405	485	535	600	635	700	815
PCD	60.5	70	79.5	89	98.5	121	140	153	191	216	242	299	362	432	476	540	578	635	750
MIN THICK - A*	11.5	13	14.5	16	17.5	19.5	22.5	24	24	24	25.5	29	30.5	32	35	37	40	43	48
HUB LENGTH SOW	16	16	17	21	22	25	29	30	33	36	40	44	49	56	57	64	68	73	83
HUB LENGTH W/N	48	52	56	57	62	64	70	70	76	89	89	102	102	114	127	127	140	145	152
BOLT HOLE DIA	16	16	16	16	16	20	20	20	20	22	22	22	26	26	30	30	33	33	36
No BOLTS	4	4	4	4	4	4	4	4	8	8	8	8	12	12	12	16	16	20	20
WEIGHT Kg SOW	0.5	0.7	1	1.1	1.4	2.2	3.8	4.1	5.9	6.1	8.2	12.7	17.2	27.2	35.4	42.2	52.6	65.3	91.6
WEIGHT Kg W/N	0.8	0.9	1.1	1.4	1.8	2.8	4.4	5.2	7.5	9.5	11.3	19.1	25.4	38.1	51.3	63.5	74.9	89.4	122

<u>CLASS 300</u>	SLIP-ON WELD		WELD NECK		BLANK		SOCKET WELD												
Nominal Bore Size	15	20	25	32	40	50	65	80	100	125	150#	200#	250	300	350	400	450	500	600
OD OF FLANGE	95	120	125	135	155	165	190	210	255	280	320	380	445	520	585	650	710	775	915
PCD	66.5	82.5	89	98.5	115	127	149	169	200	235	270	330	388	451	515	572	629	686	813
MIN THICK - A*	14.5	16	17.5	19.5	21	22.5	25.5	29	32	35	37	41.5	48	51	54	57.5	60.5	63.5	70
HUB LENGTH SOW	22	25	27	27	30	33	38	43	48	51	52	62	67	73	76	83	89	95	106
HUB LENGTH W/N	52	57	62	65	68	70	76	79	86	98	98	111	117	130	143	146	159	162	168
BOLT HOLE DIA	16	20	20	20	22	20	22	22	22	22	22	26	30	33	33	36	36	36	42
No BOLTS	4	4	4	4	4	8	8	8	8	8	12	12	16	16	20	20	24	24	24
WEIGHT Kg SOW	0.7	1.3	1.4	2	2.8	3.1	4.5	6.1	9.5	12.7	16.3	25.4	35.4	50.8	72.2	95.3	115	139	222
WEIGHT Kg W/N	0.9	1.4	1.8	2.3	3.1	3.7	5.6	8.2	11.8	16.3	20	32.2	45.4	64.4	93.5	113	138	168	236

<u>CLASS 600</u>	SLIP-ON WELD		WELD NECK		BLANK		SOCKET WELD												
Nominal Bore Size	15	20	25	32	40	50	65	80	100	125	150#	200#	250	300	350	400	450	500	600
OD OF FLANGE	95	120	125	135	155	165	190	210	275	330	355	420	510	560	605	685	745	815	940
PCD	66.5	82.5	89	98.5	115	127	149	169	216	267	292	349	432	489	527	603	654	724	838
MIN THICK - A*	14.5	16	17.5	21	22.5	26.5	29	32	38.5	44.5	48	55.5	63.5	66.5	70	76.5	83	89	102
HUB LENGTH SOW	22	25	27	29	32	37	41	46	54	60	67	76	86	92	94	106	117	127	140
HUB LENGTH W/N	52	57	62	67	70	73	79	83	102	114	117	133	152	156	165	178	184	190	203
BOLT HOLE DIA	16	20	20	20	22	20	22	22	26	30	30	33	36	36	39	42	45	45	52
No BOLTS	4	4	4	4	4	8	8	8	8	8	12	12	16	20	20	20	20	24	24
WEIGHT Kg SOW	0.9	1.4	1.6	2	3	3.6	5.5	6.8	15	28.6	36.3	44	80.4	97.6	118	166	216	278	398
WEIGHT Kg W/N	1.4	1.6	1.8	2.5	3.6	4.5	6.4	8.2	16.8	30.9	38.1	50.6	85.8	103	158	218	252	313	444

<u>CLASS 900</u>	SLIP-ON WELD		WELD NECK		BLANK		SOCKET WELD													
Nominal Bore Size	15	20	25	32	40	50	65	80	100	125	150#	200#	250	300	350	400	450	500	600	
OD OF FLANGE									240	295	350	380	470	545	610	640	705	785	1040	
PCD									191	235	280	318	394	470	534	559	616	686	902	
MIN THICK - A*									38.5	44.5	51	56	63.5	70	79.5	86	89	102	140	
HUB LENGTH SOW	USE CLASS 1500 DIMENSIONS								54	70	79	86	102	108	117	130	133	152	159	203
HUB LENGTH W/N									102	114	127	140	162	184	200	213	216	229	248	292
BOLT HOLE DIA	IN THESE SIZES								26	32	35	32	39	39	39	42	45	52	54	68
No BOLTS									8	8	8	12	12	16	20	20	20	20	20	
WEIGHT Kg SOW									14.1	24.1	37.7	49	78.1	111	148	173	208	294	360	672
WEIGHT Kg W/N									13.2	23.2	39	49.9	84.9	122	169	255	311	420	529	957

<u>CLASS 1500</u>	SLIP-ON WELD		WELD NECK		BLANK		SOCKET WELD												
Nominal Bore Size	15	20	25	32	40	50	65	80	100	125	150#	200#	250	300	350	400	450	500	600
OD OF FLANGE	120	130	150	160	180	215	245	270	310	375	395	485	585	675	750	825	915	985	1170
PCD	82.5	89	102	111	124	165	191	203	242	292	318	394	483	572	635	705	775	832	991
MIN THICK - A*	22.5	25.5	29	29	32	38.5	41.5	48	54	73.5	83	92	108	124	134	147	162	178	204
HUB LENGTH SOW	32	35	41	41	44	57	64	73	90	105	119	143	159	181					
HUB LENGTH W/N	60	70	73	73	83	102	105	118	124	155	171	213	254	283	298	311	327	356	406
BOLT HOLE DIA	22	22	26	26	30	26	30	33	36	42	39	45	52	56	60	68	76	80	94
No BOLTS	4	4	4	4	4	8	8	8	8	8	12	12	12	16	16	16	16	16	16
WEIGHT Kg SOW	2.7	2.7	3.4	4.5	6.4	10	16.3	21.8	33.3	59.9	74.5	117	198	303					
WEIGHT Kg W/N	3.2	3.2	3.9	4.5	6.4	10.9	16.3	21.8	31.3	59.9	74.5	124	206	313					

* MINIMUM THICKNESS ARE INCLUDING RAISED FACE, BUT EXCLUDING HUB OR WELD NECK

** HUB LENGTH FOR SLIP ON ALSO APPLY TO SCREWED & SOCKET WELD FLANGES

NOTE, THE EXACT OD OF PIPE MUST BE NOMINATED