

## 3.50 | Flanges

### AS 2129 FLANGES

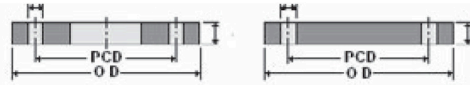


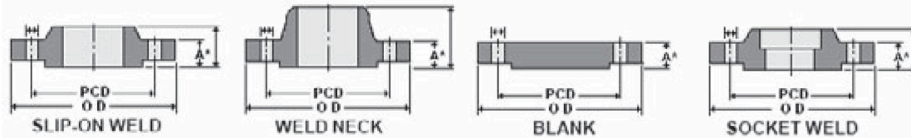
PLATE SLIP-ON WELDING      BLANK

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	100	115	120	135	150	165	185	215	255	280	335	405	455	525	580	640	705	825
PCD	67	73	83	87	98	114	127	146	178	210	235	292	356	406	470	521	584	641	756
THICKNESS*	5	5	5	6	6	8	8	10	10	13	13	13	16	19	22	22	25	29	32
No BOLTS	4	4	4	4	4	4	4	4	4	8	8	8	8	12	12	12	12	16	16
BOLT SIZE	M12	M12	M12	M12	M12	M16	M16	M16	M16	M16	M16	M16	M20	M20	M24	M24	M24	M24	M27
BOLT LENGTH***	45	45	45	50	50	60	60	60	65	65	70	75	85	100	95	100	110	120	120
WEIGHT Kg SOW	0.3	0.3	0.4	0.5	0.6	0.9	1.1	1.6	2.1	3.7	4.1	5.1	8.8	11.9	20.2	23.1	30.7	42.4	60.2

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	100	115	120	135	150	165	185	215	255	280	335	405	455	525	580	640	705	825
PCD	67	73	83	87	98	114	127	146	178	210	235	292	356	406	470	521	584	641	756
THICKNESS*	6	6	7	8	9	10	10	11	13	14	17	19	22	25	29	32	35	38	48
No BOLTS	4	4	4	4	4	4	4	4	8	8	8	8	12	12	12	12	16	16	16
BOLT SIZE	M12	M12	M12	M12	M12	M16	M16	M16	M16	M16	M20	M20	M20	M24	M24	M24	M24	M24	M30
BOLT LENGTH***	45	45	45	50	50	60	60	60	65	65	70	75	75	90	100	95	100	110	140
WEIGHT Kg SOW	0.3	0.4	0.5	0.6	0.9	1.2	1.3	1.8	2.7	3.9	5.3	7.5	12.1	15.6	26.6	33.6	42.9	55.5	90.3

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	115	115	120	135	140	165	185	205	230	280	305	370	430	490	550	610	675	735	850
PCD	83	83	87	98	105	127	146	165	191	235	260	342	381	438	495	552	610	673	781
THICKNESS*	13	13	14	17	17	19	19	22	25	29	29	32	35	41	48	54	60	67	76
No BOLTS	4	4	4	4	4	4	8	8	8	8	12	12	12	16	16	20	20	24	24
BOLT SIZE	M16	M16	M16	M16	M16	M16	M16	M16	M16	M20	M20	M20	M24	M24	M27	M27	M30	M30	M33
BOLT LENGTH***	60	60	60	65	65	75	75	75	85	100	100	100	120	120	130	140	160	150	180
WEIGHT Kg SOW	1	1	1.2	1.7	1.8	2.8	3.4	4.7	6.2	10.6	11.8	17.6	23.7	34.1	52.1	68.7	90.8	116	163

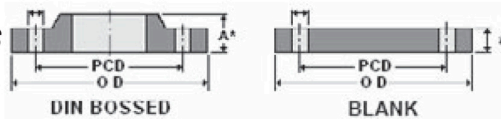
### FLANGE ASME B16.5 FORGED FLANGES



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

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

### BS 4504 PN16 FLANGES



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	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580	640	715	840
PCD	65	75	85	100	110	125	145	160	180	210	240	295	355	410	470	525	585	650	770
THICKNESS - A*	14	16	16	16	16	18	18	20	20	22	22	24	28	28	30	32	36	36	44
No BOLTS	4	4	4	4	4	4	4	8	8	8	8	12	12	12	16	16	20	20	20
BOLT SIZE	M12	M12	M12	M16	M16	M16	M16	M16	M16	M16	M20	M20	M24	M24	M24	M27	M27	M30	M33
BOLT LENGTH***	50	55	55	60	60	65	65	70	75	80	90	90	100	100	120	120	120	130	140
WEIGHT Kg SOW	0.7	1	1.2	1.7	1.9	2.4	3.2	4.1	4.4	5	7.3	9.3	10.1	14.5	24.5	28.8	31	42.8	53.5

\* THICKNESS OF PLATE FLANGE - NOTE IT IS NOT PRACTICAL TO PROVIDE PLATE FLANGES LESS THAN 12mm THICK

# NOTE, THE EXACT OD OF PIPE MUST BE NOMINATED

\*\*\* LENGTHS OF BOLTS FOR PLATE STEEL FLANGES

OTHER NOTES: DIMENSIONS ARE IN MM  
LARGER SIZES AVAILABLE ON REQUEST