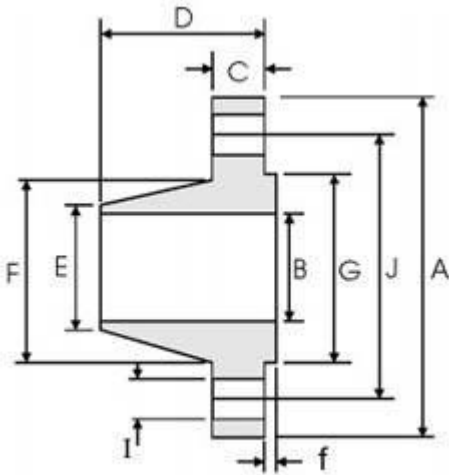


Dimensions of weld neck flanges - ASME B16.47 series B Class 75

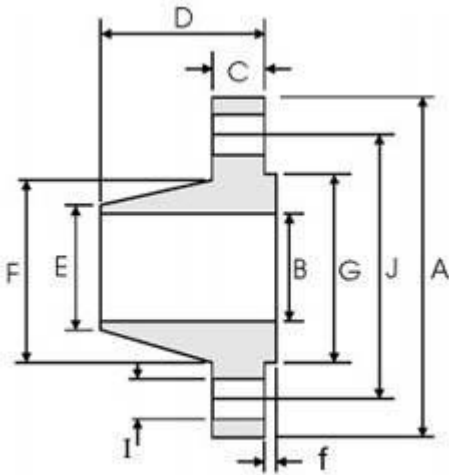


f=2mm

DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius (Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	760	31.9	57	661.9	676	705	36	19.05	723.9	8
700	28	815	31.9	60	712.7	727	756	40	19.05	774.7	8
750	30	865	31.9	64	763.5	778	806	44	19.05	825.5	8
800	32	915	33.5	68	814.3	829	857	48	19.05	876.3	8
850	34	965	33.5	72	865.1	879	908	52	19.05	927.1	8
900	36	1035	35.0	84	915.9	935	965	40	22.23	992.2	10
950	38	1085	36.6	87	966.7	986	1016	40	22.23	1043.0	10
1000	40	1135	36.6	91	1017.5	1037	1067	44	22.23	1093.8	10
1050	42	1185	38.2	94	1068.3	1087	1118	48	22.23	1144.6	10
1100	44	1250	41.4	103	1119.1	1140	1175	36	25.4	1203.3	10
1150	46	1300	43.0	106	1169.9	1191	1226	40	25.4	1254.1	10
1200	48	1355	44.6	110	1220.7	1241	1276	44	25.4	1304.9	10
1250	50	1405	46.2	114	1271.5	1294	1327	44	25.4	1355.7	10
1300	52	1455	46.2	119	1322.3	1345	1378	48	25.4	1409.7	10
1350	54	1510	47.8	124	1373.1	1397	1429	48	25.4	1460.5	10
1400	56	1575	49.3	133	1423.9	1451	1486	40	28.58	1520.8	11
1450	58	1625	50.9	137	1474.7	1502	1537	44	28.58	1571.6	11
1500	60	1675	54.1	143	1525.5	1553	1588	44	28.58	1622.4	11

Inside diameter B to be specified by the purchaser

Dimensions of weld neck flanges - ASME B16.47 series B Class 150

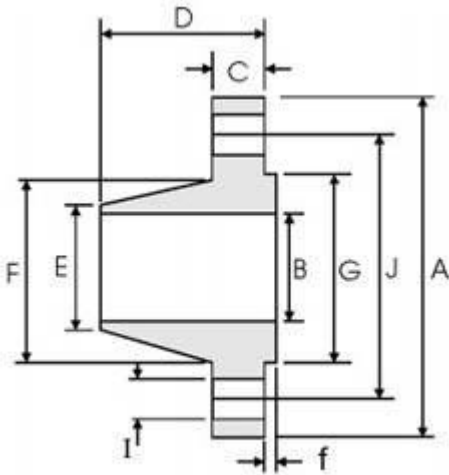


f=2mm

DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius (Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	785	39.8	87	661.9	684	711	36	22.23	744.5	10
700	28	835	43.0	94	712.7	735	762	40	22.23	795.3	10
750	30	885	43.0	98	763.5	787	813	44	22.23	846.1	10
800	32	940	44.6	106	814.3	840	864	48	22.23	900.1	10
850	34	1005	47.7	109	865.1	892	921	40	25.4	957.3	10
900	36	1055	50.9	116	915.9	945	972	44	25.4	1009.6	10
950	38	1125	52.5	122	968.2	997	1022	40	28.58	1070.0	10
1000	40	1175	54.1	127	1019.0	1049	1080	44	28.58	1120.8	10
1050	42	1225	57.3	132	1069.8	1102	1130	48	28.58	1171.6	11
1100	44	1275	58.9	135	1120.6	1153	1181	52	28.58	1222.4	11
1150	46	1340	60.4	143	1171.4	1205	1235	40	31.75	1284.3	11
1200	48	1390	63.6	148	1222.2	1257	1289	44	31.75	1335.1	11
1250	50	1445	66.8	152	1273.0	1308	1340	48	31.75	1385.9	11
1300	52	1495	68.4	156	1323.8	1360	1391	52	31.75	1436.7	11
1350	54	1550	70.0	160	1374.6	1413	1441	56	31.75	1492.2	11
1400	56	1600	71.6	165	1425.4	1465	1492	60	31.75	1543.0	14
1450	58	1675	73.1	173	1476.2	1516	1543	48	34.92	1611.3	14
1500	60	1725	74.7	178	1527.0	1570	1600	52	34.92	1662.1	14

Inside diameter B to be specified by the purchaser

Dimensions of weld neck flanges - ASME B16.47 series B Class 300

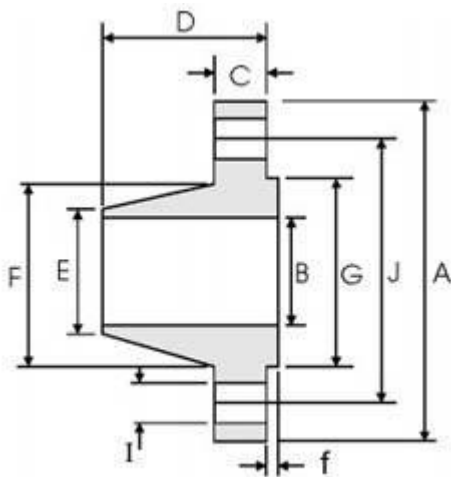


f=2mm

DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius (Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	865	87.4	168	665.2	702	737	32	34.9	803.3	14
700	28	920	87.4	148	716.0	756	787	36	34.9	857.2	14
750	30	990	92.1	156	768.4	813	845	36	38.1	920.8	14
800	32	1055	101.6	167	819.2	864	902	32	41.28	977.9	16
850	34	1110	101.6	171	870.0	918	953	36	41.28	1031.9	16
900	36	1170	101.6	179	920.8	965	1010	32	44.45	1089.0	16
950	38	1220	109.6	165	971.6	1016	1060	36	44.45	1139.8	16
1000	40	1275	114.3	197	1022.4	1067	1114	40	44.45	1190.6	16
1050	42	1335	117.5	203	1074.7	1118	1168	36	47.63	1244.6	16
1100	44	1385	125.5	213	1125.5	1173	1219	40	47.63	1295.4	16
1150	46	1460	127.0	221	1176.3	1229	1270	36	50.8	1365.2	16
1200	48	1510	127.0	222	1227.1	1278	1327	40	50.8	1416.0	16
1250	50	1560	136.6	233	1277.9	1330	1378	44	50.8	1466.8	16
1300	52	1615	141.3	241	1328.7	1383	1429	48	50.8	1517.6	16
1350	54	1675	135.0	238	1379.5	1435	1480	48	50.8	1578.0	16
1400	56	1765	152.4	267	1430.3	1494	1537	36	60.33	1651.0	17
1450	58	1825	152.4	273	1481.1	1548	1594	40	60.33	1712.9	17
1500	60	1880	149.3	270	1557.3	1599	1651	40	60.33	1763.7	17

Inside diameter B to be specified by the purchaser

Dimensions of weld neck flanges - ASME B16.47 series B Class 400



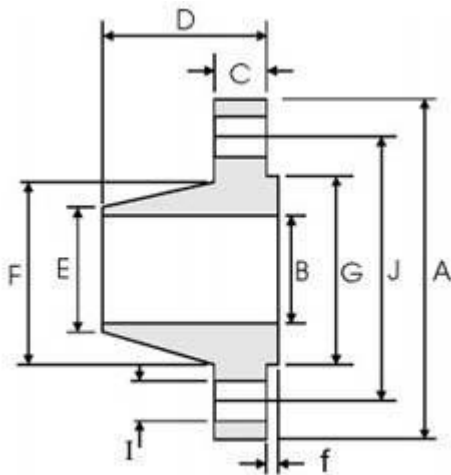
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DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius (Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	850	88.9	149	660.4	689	711	28	38.1	781.0	11
700	28	915	95.3	159	711.2	740	762	24	41.28	838.2	13
750	30	970	101.6	170	762.0	794	819	28	41.28	895.4	13
800	32	1035	108.0	179	812.8	845	873	28	44.45	952.5	13
850	34	1085	111.2	187	863.6	899	927	32	44.45	1003.3	14
900	36	1155	119.1	200	914.4	952	981	28	47.63	1066.8	14

1. Inside diameter B to be specified by the purchaser

2. Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.

Dimensions of weld neck flanges - ASME B16.47 series B Class 600



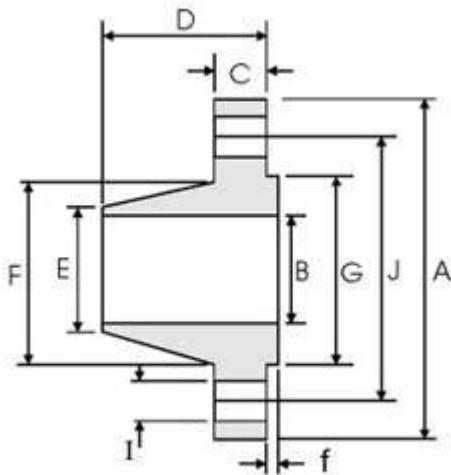
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DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius (Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	850	111.2	181	660.4	698	727	28	44.45	806.4	11
700	28	950	115.9	190	711.2	752	784	28	47.63	863.6	13
750	30	1020	125.5	205	762.0	806	841	28	50.8	927.1	13
800	32	1085	130.2	216	812.8	860	895	28	53.97	984.2	13
850	34	1160	141.3	233	863.6	914	953	24	60.33	1054.1	14
900	36	1215	146.1	243	914.4	968	1010	28	60.33	1104.9	14

1. Inside diameter B to be specified by the purchaser

2. Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.

Dimensions of weld neck flanges - ASME B16.47 series B Class 900



f=7mm

DN	NPS	Overall Diameter	Thickness (Min.)	Overall Length	Diameter at Bevel	Diameter of Hub	Diameter of Face	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolt Circle	Fillet Radius(Min.)
		A	C	D	E	F	G	n	I	J	R
650	26	1020	135.0	259	660.4	743	762	20	66.68	901.7	11
700	28	1105	147.7	276	711.2	797	819	20	73.02	971.6	13
750	30	1180	155.6	289	762.0	851	876	20	79.37	1035.0	13
800	32	1240	160.4	303	812.8	908	927	20	79.37	1092.2	13
850	34	1315	171.5	319	863.6	962	991	20	85.73	1155.7	14
900	36	1345	173.1	325	914.4	1016	1029	24	79.37	1200.2	14

1. Inside diameter B to be specified by the purchaser
2. Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.