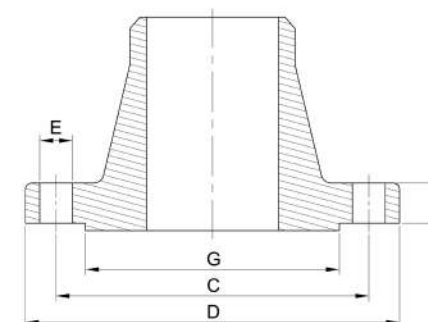


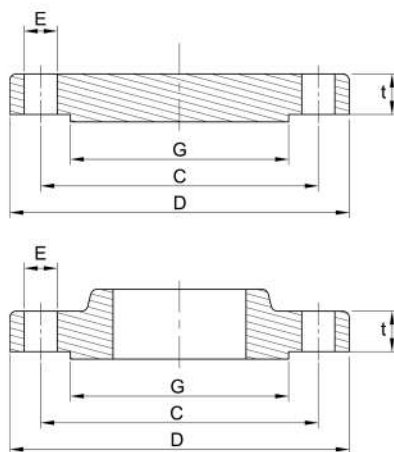


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	95	65	4	M12	14	45	16	-	0.65	-
	PN 16	95	65	4	M12	14	45	16	-	0.65	-
	PN 25	95	65	4	M12	14	45	16	-	0.81	-
	PN 40	95	65	4	M12	14	45	16	-	0.81	-
	PN 64	105	75	4	M12	14	45	20	-	-	-
ANSI	Class 150	89	60	4	13	16	35	11	0.51	0.47	0.47
	Class 300	95	67	4	13	16	35	13	0.78	0.62	0.62
	Class 600	95	67	4	13	16	35	14	0.90	0.91	0.91
	Class 900	121	83	4	19	22	35	22	2.10	1.80	1.90
	Class 1500	121	83	4	19	22	35	22	2.10	1.80	1.90
BS 10	Table E	95	67	4	13	14	-	10	-	0.65	-
	Table F	95	67	4	13	14	-	10	-	-	-
	Table H	114	83	4	16	17	57	13	-	0.65	-
JIS	10K	95	70	4	M12	15	-	-	-	0.57	-
	20K	95	70	4	M12	15	-	-	-	0.65	-
	30K	115	80	4	M16	19	-	-	-	1.23	-
	40K	115	80	4	M16	19	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 15mm (½ in)



FLANGE TABLE DIMENSIONS Nominal Size 20mm (¾ in)

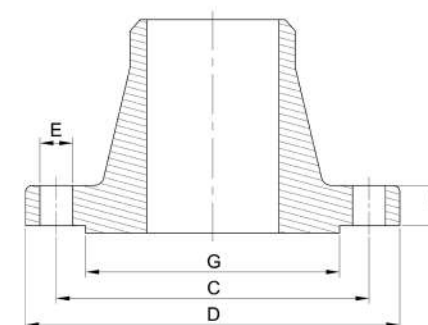


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	105	75	4	M12	14	58	18	-	0.95	-
	PN 16	105	75	4	M12	14	58	18	-	0.95	-
	PN 25	105	75	4	M12	14	58	18	-	1.25	-
	PN 40	105	75	4	M12	14	58	18	-	1.25	-
	PN 64	130	90	4	M16	18	58	22	-	-	-
ANSI	Class 150	99	70	4	13	16	43	14	0.73	0.58	0.63
	Class 300	117	83	4	16	19	43	16	1.35	1.15	1.16
	Class 600	117	83	4	16	19	43	16	1.60	1.40	1.40
	Class 900	130	89	4	19	22	43	25	2.72	2.40	2.70
	Class 1500	130	89	4	19	22	43	25	2.72	2.40	2.70
BS 10	Table E	102	73	4	13	14	-	10	-	0.95	-
	Table F	102	73	4	13	14	-	10	-	-	-
	Table H	114	83	4	16	17	57	13	-	0.95	-
JIS	10K	100	75	4	M12	15	-	-	-	0.73	-
	20K	100	75	4	M12	15	-	-	-	0.81	-
	30K	120	85	4	M16	19	-	-	-	1.35	-
	40K	120	85	4	M16	19	-	-	-	-	-

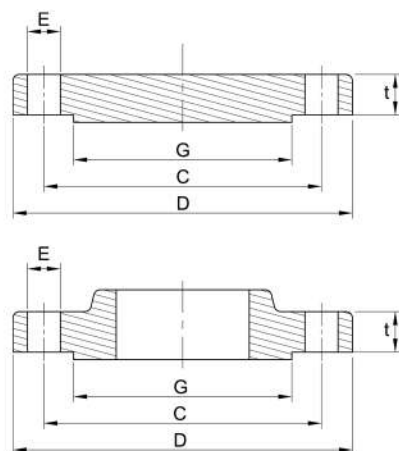


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised-Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	115	85	4	M12	14	68	18	-	1.14	-
	PN 16	115	85	4	M12	14	68	18	-	1.14	-
	PN 25	115	85	4	M12	14	68	18	-	1.38	-
	PN 40	115	85	4	M12	14	68	18	-	1.38	-
	PN 64	140	100	4	M16	18	68	24	-	-	-
ANSI	Class 150	114	79	4	13	16	51	14	1.07	0.86	0.95
	Class 300	124	89	4	16	16	51	17	1.65	1.40	1.42
	Class 600	124	89	4	16	19	51	17	1.90	1.70	1.81
	Class 900	149	102	4	22	25	51	29	3.86	3.41	4.10
	Class 1500	149	102	4	22	25	-	29	3.86	3.41	4.10
BS 10	Table E	114	83	4	13	14	-	13	-	1.14	-
	Table F	121	87	4	16	17	-	15	-	-	-
	Table H	121	87	4	16	17	64	19	-	1.14	-
JIS	10K	125	90	4	M16	19	-	-	-	1.13	-
	20K	125	90	4	M16	19	-	-	-	1.29	-
	30K	130	95	4	M16	19	-	-	-	1.76	-
	40K	130	95	4	M16	19	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 25mm (1 in)



FLANGE TABLE DIMENSIONS Nominal Size 32mm (1¼ in)

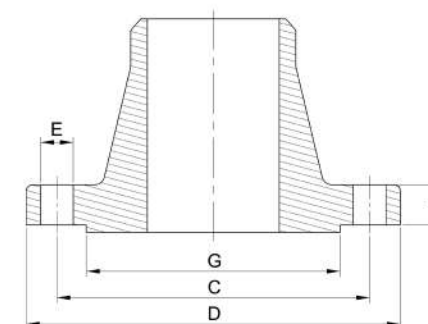


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised-Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	140	100	4	M16	19	78	18	-	1.70	-
	PN 16	140	100	4	M16	19	78	18	-	1.70	-
	PN 25	140	100	4	M16	19	78	18	-	2.03	-
	PN 40	140	100	4	M16	19	78	18	-	2.03	-
	PN 64	155	110	4	M20	-	78	26	-	-	-
ANSI	Class 150	117	89	4	13	16	64	16	1.40	1.08	1.23
	Class 300	133	98	4	16	19	64	19	2.06	1.67	1.80
	Class 600	133	98	4	16	19	64	21	2.50	2.27	2.40
	Class 900	159	111	4	22	25	64	29	4.55	4.10	4.54
	Class 1500	159	111	4	22	25	64	29	4.55	4.10	4.30
BS 10	Table E	121	87	4	13	14	-	16	-	1.70	-
	Table F	133	98	4	16	17	-	20	-	-	-
	Table H	133	98	4	16	17	76	22	-	1.70	-
JIS	10K	135	100	4	M16	19	-	-	-	1.48	-
	20K	135	100	4	M16	19	-	-	-	1.60	-
	30K	140	105	4	M16	19	-	-	-	2.15	-
	40K	140	105	4	M16	19	-	-	-	-	-

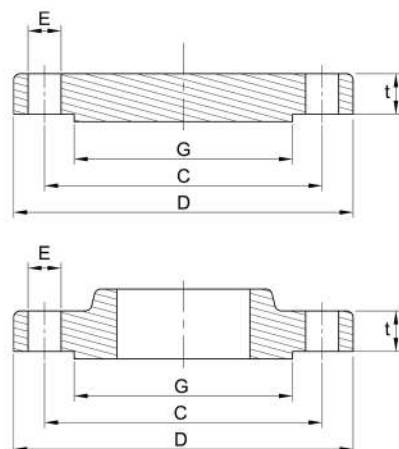


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	150	110	4	M16	19	84	18	-	1.86	-
	PN 16	150	110	4	M16	19	84	18	-	1.86	-
	PN 25	150	110	4	M16	19	84	18	-	2.35	-
	PN 40	150	110	4	M16	19	84	18	-	2.35	-
	PN 64	170	125	4	M20	-	-	28	-	-	-
ANSI	Class 150	127	98	4	13	16	73	17	1.81	1.41	1.62
	Class 300	156	114	4	19	22	73	21	3.06	2.53	2.68
	Class 600	156	114	4	19	22	73	22	3.63	3.10	3.40
	Class 900	178	124	4	25	28	73	32	5.90	5.45	5.90
	Class 1500	178	124	4	25	28	73	32	5.90	5.45	5.90
BS 10	Table E	133	98	4	13	14	-	13	-	1.86	-
	Table F	140	105	4	16	17	-	13	-	-	-
	Table H	140	105	4	16	17	83	17	-	1.86	-
JIS	10K	140	105	4	M16	19	-	-	-	1.56	-
	20K	140	105	4	M16	19	-	-	-	1.70	-
	30K	160	120	4	M20	23	-	-	-	2.82	-
	40K	160	120	4	M20	23	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 40mm (1½ in)



FLANGE TABLE DIMENSIONS Nominal Size 50mm (2 in)

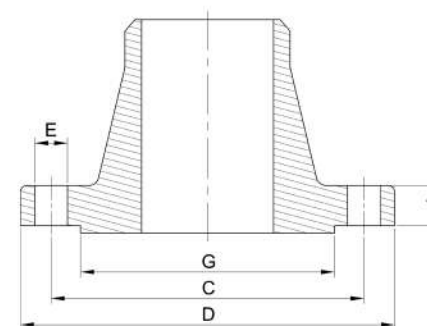


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	165	125	4	M16	19	102	18	-	2.51	-
	PN 16	165	125	4	M16	19	102	18	-	2.51	-
	PN 25	165	125	4	M16	19	102	20	-	3.20	-
	PN 40	165	125	4	M16	19	102	20	-	3.20	-
	PN 64	180	135	4	M20	-	102	26	-	-	-
ANSI	Class 150	152	121	4	16	19	92	19	2.59	2.26	2.65
	Class 300	165	127	8	16	19	92	22	3.40	2.80	3.10
	Class 600	165	127	8	16	19	92	25	4.55	3.63	4.40
	Class 900	216	165	8	22	25	92	38	10.90	9.90	11.30
	Class 1500	216	165	8	22	25	92	38	10.90	10.50	11.30
BS 10	Table E	152	114	4	16	17	-	14	-	2.51	-
	Table F	165	127	4	16	17	-	16	-	-	-
	Table H	165	127	4	16	17	102	19	-	2.51	-
JIS	10K	155	120	4	M16	19	-	-	-	1.88	-
	20K	155	120	8	M16	19	-	-	-	1.88	-
	30K	165	130	8	M16	19	-	-	-	2.90	-
	40K	165	130	8	M16	19	-	-	-	-	-

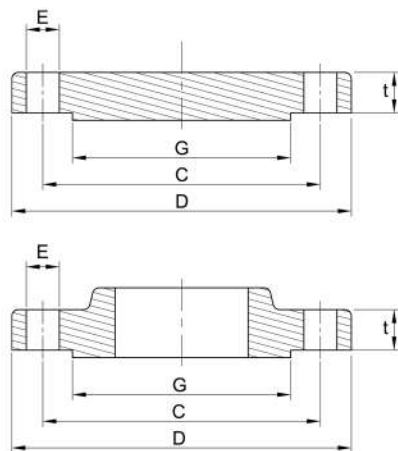


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	185	145	4	M16	19	122	18	-	3.0	-
	PN 16	185	145	4	M16	19	122	18	-	3.0	-
	PN 25	185	145	8	M16	19	122	22	-	4.29	-
	PN 40	185	145	8	M16	19	122	22	-	4.29	-
	PN 64	205	160	8	M20	-	122	26	-	-	-
ANSI	Class 150	178	140	4	16	19	105	17	4.28	3.43	4.06
	Class 300	191	149	8	19	22	105	25	5.31	4.25	4.75
	Class 600	191	149	8	19	22	105	29	6.35	5.44	6.80
	Class 900	244	191	8	25	28	105	41	16.33	15.80	16.00
	Class 1500	244	191	8	25	28	105	41	16.33	15.80	16.00
BS 10	Table E	165	127	4	16	17	-	14	-	3.00	-
	Table F	184	146	8	16	17	-	16	-	-	-
	Table H	184	146	8	16	17	114	19	-	3.00	-
JIS	10K	175	140	4	M16	19	-	-	-	2.60	-
	20K	175	140	8	M16	19	-	-	-	2.60	-
	30K	200	160	8	M20	23	-	-	-	4.70	-
	40K	200	160	8	M20	23	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 65mm (2½ in)



FLANGE TABLE DIMENSIONS Nominal Size 80mm (3 in)

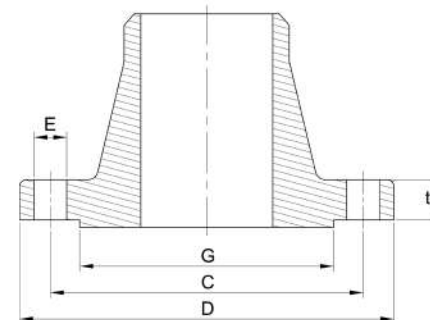


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	200	160	8	M16	19	138	20	-	3.80	-
	PN 16	200	160	8	M16	19	138	20	-	3.80	-
	PN 25	200	160	8	M16	19	138	24	-	5.88	-
	PN 40	200	160	8	M16	19	138	24	-	5.88	-
	PN 64	215	170	8	M20	-	138	28	-	-	-
ANSI	Class 150	191	152	4	16	19	127	19	5.18	3.87	4.90
	Class 300	210	168	8	19	22	127	29	7.32	5.81	6.80
	Class 600	210	168	8	19	22	127	32	8.16	7.26	8.90
	Class 900	241	192	8	22	25	127	38	15.00	11.80	13.17
	Class 1500	267	203	8	29	32	127	48	21.80	21.77	21.80
BS 10	Table E	184	146	4	16	17	-	14	-	3.80	-
	Table F	203	165	8	16	17	-	16	-	-	-
	Table H	203	165	8	16	17	127	22	-	3.80	-
JIS	10K	185	150	8	M16	19	-	-	-	2.61	-
	20K	200	160	8	M20	23	-	-	-	3.93	-
	30K	210	170	8	M20	23	-	-	-	5.36	-
	40K	210	170	8	M20	23	-	-	-	-	-

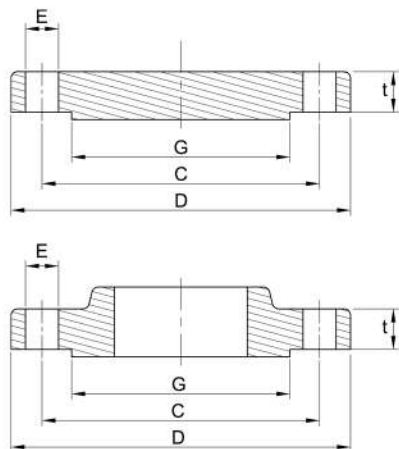


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	220	180	8	M16	19	158	20	-	4.20	-
	PN 16	220	180	8	M16	19	158	20	-	4.20	-
	PN 25	235	190	8	M20	23	162	24	-	7.55	-
	PN 40	235	190	8	M20	23	162	24	-	7.55	-
	PN 64	250	200	8	M24	-	162	30	-	-	-
ANSI	Class 150	229	191	8	16	19	157	24	7.32	5.75	7.41
	Class 300	254	200	8	19	22	157	32	11.30	10.13	12.00
	Class 600	273	216	8	22	25	157	38	16.78	14.97	18.60
	Class 900	292	235	8	29	32	157	44	23.13	23.20	24.50
	Class 1500	311	241	8	32	35	157	54	31.30	31.00	33.11
BS 10	Table E	216	178	8	16	17	-	17	-	4.20	-
	Table F	229	191	8	16	17	-	19	-	-	-
	Table H	229	191	8	16	17	152	25	-	4.20	-
JIS	10K	210	175	8	M16	19	-	-	-	3.15	-
	20K	225	185	8	M20	23	-	-	-	5.13	-
	30K	240	195	8	M22	25	-	-	-	7.90	-
	40K	250	205	8	M22	25	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 100mm (4 in)



FLANGE TABLE DIMENSIONS Nominal Size 125mm (5 in)

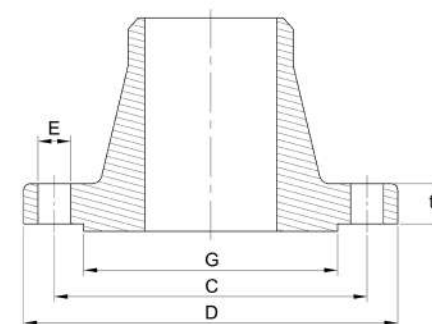


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	250	210	8	M16	19	188	22	-	5.71	-
	PN 16	250	210	8	M16	19	188	22	-	5.71	-
	PN 25	270	220	8	M24	28	188	26	-	10.80	-
	PN 40	270	220	8	M24	28	188	26	-	10.80	-
	PN 64	295	240	8	M27	-	188	34	-	-	-
ANSI	Class 150	254	216	8	19	22	186	24	8.91	6.22	8.76
	Class 300	279	235	8	19	22	186	35	15.12	12.58	15.96
	Class 600	330	267	8	25	28	186	44	30.87	28.50	30.85
	Class 900	349	279	8	32	35	186	51	38.50	37.65	39.46
	Class 1500	375	292	8	38	41	186	73	59.02	58.80	60.00
BS 10	Table E	254	210	8	16	17	-	17	-	5.71	-
	Table F	279	235	8	19	22	-	22	-	-	-
	Table H	279	235	8	19	22	178	29	-	5.71	-
JIS	10K	250	210	8	M20	23	-	-	-	4.77	-
	20K	270	225	8	M20	23	-	-	-	8.30	-
	30K	275	230	8	M20	25	-	-	-	11.40	-
	40K	300	250	8	M20	27	-	-	-	-	-

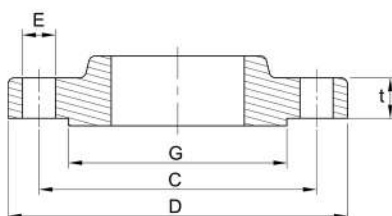
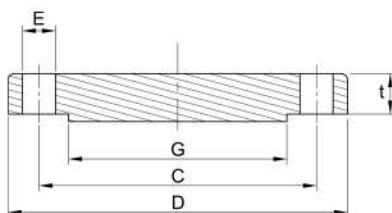


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	285	240	8	M20	23	212	22	-	6.72	-
	PN 16	285	240	8	M20	23	212	22	-	6.72	-
	PN 25	300	250	8	M24	28	218	28	-	14.5	-
	PN 40	300	250	8	M24	28	218	28	-	14.5	-
	PN 64	345	280	8	M30	-	218	36	-	-	-
ANSI	Class 150	279	241	8	19	22	216	25	11.26	7.38	11.31
	Class 300	318	270	12	19	22	216	37	19.68	16.04	21.20
	Class 600	356	292	12	25	28	216	48	36.77	36.32	38.00
	Class 900	381	318	12	29	32	216	56	49.89	48.30	51.50
	Class 1500	394	318	12	35	38	216	83	74.91	74.00	75.00
BS 10	Table E	279	235	8	19	22	-	17	-	6.72	-
	Table F	305	260	12	19	22	-	22	-	-	-
	Table H	305	260	12	19	22	210	29	-	6.72	-
JIS	10K	280	240	8	M20	23	-	-	-	6.34	-
	20K	305	260	12	M22	25	-	-	-	10.6	-
	30K	325	275	12	M24	27	-	-	-	16.7	-
	40K	355	295	12	M30	23	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 150mm (6 in)



FLANGE TABLE DIMENSIONS Nominal Size 200mm (8 in)

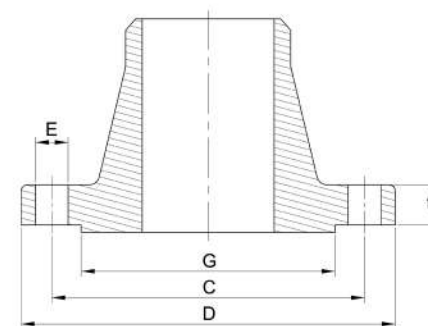


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	340	295	8	M20	23	268	24	-	9.50	-
	PN 16	340	295	12	M20	23	268	24	-	12.40	-
	PN 25	360	310	12	M24	28	278	30	-	17.50	-
	PN 40	375	320	12	M27	31	285	34	-	21.50	-
	PN 64	415	345	12	M33	-	285	42	-	-	-
ANSI	Class 150	343	298	8	19	22	270	29	17.68	12.36	19.92
	Class 300	381	330	12	22	25	270	41	30.48	24.50	34.60
	Class 600	419	349	12	29	32	270	56	50.80	44.00	62.20
	Class 900	470	394	12	35	38	270	64	79.45	75.00	89.00
	Class 1500	438	394	12	41	45	270	92	123.83	117.73	136.98
BS 10	Table E	337	292	8	19	22	-	19	-	9.50	-
	Table F	368	324	12	19	22	-	25	-	-	-
	Table H	368	324	12	19	22	260	32	-	12.40	-
JIS	10K	330	290	12	M20	23	-	-	-	7.53	-
	20K	350	305	12	M22	25	-	-	-	13.30	-
	30K	370	320	12	M24	27	-	-	-	20.60	-
	40K	405	345	12	M30	33	-	-	-	-	-

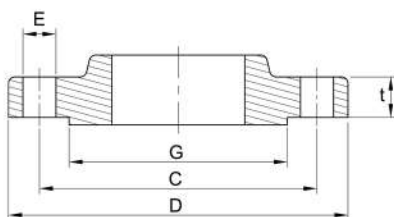
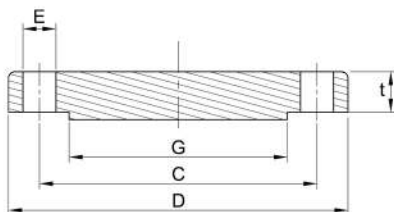


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	395	350	12	M20	23	320	26	-	12.50	-
	PN 16	405	355	12	M24	28	320	26	-	15.60	-
	PN 25	425	370	12	M27	31	335	32	-	24.50	-
	PN 40	450	385	12	M30	34	345	38	-	34.90	-
	PN 64	470	400	12	M33	-	345	46	-	-	-
ANSI	Class 150	406	362	12	22	25	324	30	24.80	17.10	29.40
	Class 300	445	387	16	25	28	324	41	43.75	34.16	55.35
	Class 600	508	432	16	32	35	324	64	86.26	76.20	102.00
	Class 900	546	470	16	35	38	324	70	118.05	111.13	131.55
	Class 1500	584	483	12	41	51	324	108	205.93	197.50	230.00
BS 10	Table E	406	356	12	19	22	-	22	-	12.50	-
	Table F	432	381	12	22	25	-	25	-	-	-
	Table H	432	381	12	22	25	311	35	-	15.60	-
JIS	10K	400	355	12	M22	25	-	-	-	12.70	-
	20K	430	380	12	M24	27	-	-	-	23.40	-
	30K	450	390	12	M30	33	-	-	-	36.10	-
	40K	475	410	12	M30	33	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 250mm (10 in)



FLANGE TABLE DIMENSIONS Nominal Size 300mm (12 in)

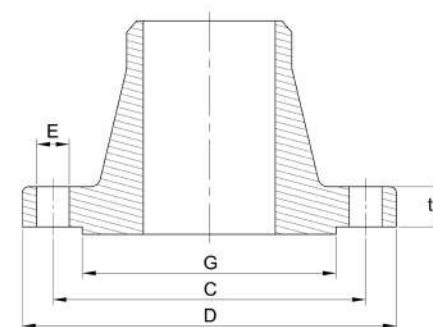


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	445	400	12	M20	23	370	26	-	14.40	-
	PN 16	460	410	12	M24	28	378	28	-	21.80	-
	PN 25	485	430	16	M27	31	395	34	-	31.20	-
	PN 40	515	450	16	M30	34	410	42	-	49.70	-
	PN 64	530	460	16	M33	-	410	52	-	-	-
ANSI	Class 150	483	432	12	22	25	381	32	38.98	27.68	43.70
	Class 300	521	451	16	29	32	381	51	64.41	51.26	78.90
	Class 600	559	489	20	32	35	381	67	102.51	97.52	132.00
	Class 900	610	533	20	35	38	381	80	157.00	146.00	187.00
	Class 1500	673	571	16	51	54	381	124	306.00	264.00	316.00
BS 10	Table E	457	406	12	22	25	-	25	-	14.40	-
	Table F	489	438	16	22	25	-	29	-	-	-
	Table H	489	438	16	22	25	-	38	-	21.80	-
JIS	10K	445	400	16	M22	25	-	-	-	13.80	-
	20K	480	430	16	M24	27	-	-	-	27.70	-
	30K	515	450	16	M30	33	-	-	-	49.90	-
	40K	-	-	-	-	-	-	-	-	-	-

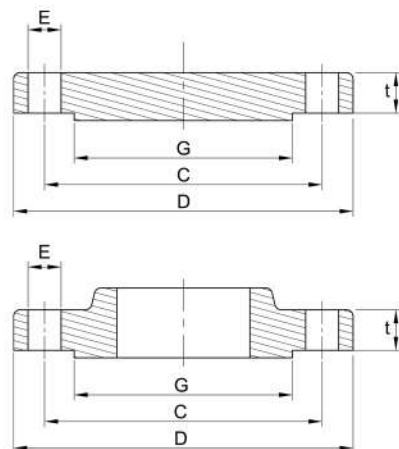


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	505	460	16	M20	23	430	26	-	12.50	-
	PN 16	520	470	16	M24	28	438	30	-	15.60	-
	PN 25	555	490	16	M30	34	450	38	-	24.40	-
	PN 40	580	510	16	M33	37	465	46	-	34.90	-
	PN 64	600	525	16	M36	-	465	56	-	-	-
ANSI	Class 150	533	476	12	25	29	413	35	24.80	17.10	29.40
	Class 300	584	514	20	29	32	413	54	43.75	34.16	55.35
	Class 600	603	527	20	35	38	413	70	86.26	76.20	102.00
	Class 900	641	559	20	38	41	413	86	118.05	111.13	131.55
	Class 1500	749	635	16	57	61	413	133	205.93	197.50	230.00
BS 10	Table E	527	470	12	22	25	-	25	-	12.50	-
	Table F	552	495	16	25	29	-	32	-	-	-
	Table H	552	495	16	25	29	419	41	-	15.60	-
JIS	10K	490	445	16	M22	-	-	-	-	12.70	-
	20K	540	480	16	M30 x 3	-	-	-	-	23.40	-
	30K	560	495	16	M30	-	-	-	-	36.10	-
	40K	-	-	-	-	-	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 350mm (14 in)



FLANGE TABLE DIMENSIONS Nominal Size 400mm (16 in)

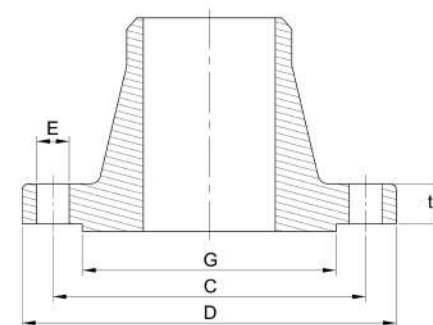


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	565	515	16	M24	28	482	26	-	14.40	-
	PN 16	580	525	16	M27	31	490	32	-	21.80	-
	PN 25	620	550	16	M33	37	505	40	-	31.20	-
	PN 40	660	585	16	M36	41	535	50	-	49.70	-
	PN 64	670	585	16	M39	-	535	60	-	-	-
ANSI	Class 150	597	540	16	25	29	470	37	38.98	27.68	43.70
	Class 300	648	572	20	32	35	470	57	64.41	51.26	-
	Class 600	686	603	20	38	38	470	76	102.51	97.52	78.90
	Class 900	705	616	20	41	41	470	89	157.00	146.00	132.00
	Class 1500	826	705	20	64	64	470	146	306.00	264.00	187.00
BS 10	Table E	578	521	12	22	22	-	25	-	14.40	316.00
	Table F	610	552	20	25	25	-	32	-	-	-
	Table H	610	552	20	25	25	483	44	-	21.80	-
JIS	10K	560	510	16	M24	27	-	-	-	13.80	-
	20K	605	540	16	M30 x 3	33	-	-	-	27.70	-
	30K	630	560	16	M36	39	-	-	-	49.90	-
	40K	-	-	-	-	-	-	-	-	-	-

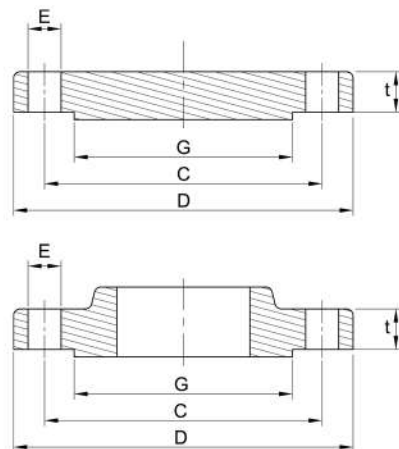


Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	615	565	20	M24	28	532	28	-	35.50	-
	PN 16	640	585	20	M27	31	550	40	-	43.20	-
	PN 25	670	600	20	M33	37	555	46	-	74.80	-
	PN 40	685	610	20	M36	41	560	57	-	105.50	-
	PN 64	-	-	-	-	-	-	-	-	-	-
ANSI	Class 150	635	578	16	29	32	533	40	74.85	49.71	94.80
	Class 300	711	629	24	32	35	533	60	138.35	109.00	176.90
	Class 600	743	654	20	41	45	533	83	215.65	180.10	285.00
	Class 900	787	686	20	48	51	533	102	308.72	272.40	385.90
	Class 1500	914	775	16	70	73	533	162	736.00	-	761.00
BS 10	Table E	641	584	16	22	25	-	29	-	35.50	-
	Table F	673	610	20	29	32	-	35	-	-	-
	Table H	673	610	20	29	32	533	48	-	43.20	-
JIS	10K	620	565	20	M24	27	-	-	-	33.00	-
	20K	675	605	20	M30 x 3	33	-	-	-	71.70	-
	30K	-	-	-	-	-	-	-	-	-	-
	40K	-	-	-	-	-	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 450mm (18 in)



FLANGE TABLE DIMENSIONS Nominal Size 500mm (20 in)



Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (C)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Apprximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	670	620	20	M24	28	585	28	-	41.10	-
	PN 16	715	650	20	M30	34	610	44	-	59.30	-
	PN 25	730	660	20	M33	37	615	48	-	89.60	-
	PN 40	755	670	20	M39	44	615	57	-	117.00	-
	PN 64	800	705	20	M45	-	615	68	-	-	-
ANSI	Class 150	699	-	20	29	32	584	43	89.38	65.50	123.38
	Class 300	775	635	24	32	35	584	64	167.38	136.00	223.18
	Class 600	813	686	24	41	45	584	89	267.86	231.55	365.00
	Class 900	857	724	20	51	54	584	108	376.82	313.42	488.00
	Class 1500	984	749	16	76	79	584	178	929.00	-	967.00
BS 10	Table E	705	641	16	22	25	-	32	-	41.10	-
	Table F	737	673	24	29	32	-	38	-	-	-
	Table H	737	673	24	29	32	597	51	-	59.30	-
JIS	10K	675	620	20	M24	27	-	-	-	37.60	-
	20K	730	660	20	M30 x 3	33	-	-	-	86.20	-
	30K	-	-	-	-	-	-	-	-	-	-
	40K	-	-	-	-	-	-	-	-	-	-



Valve Connection	Pressure Rating	Diameter of Flange (D)	Bolt Circle Diameter (G)	Number of Bolts	Diameter of Bolts	Diameter of Holes (E)	Diameter of Raised Face Steel (G)	Thickness of Flange (t)	Approximate Weight (kg)		
									Welding Neck	Slip-On	Blind
BS EN 1092	PN 10	780	725	20	M27	31	685	34	-	56.30	-
	PN 16	840	770	20	M33	37	725	54	-	71.00	-
	PN 25	845	770	20	M36	41	720	58	-	104.00	-
	PN 40	890	795	20	M45	50	735	72	-	136.50	-
	PN 64	930	820	20	M52	-	735	71	-	-	-
ANSI	Class 150	813	749	20	35	35	692	48	119.66	90.50	118.25
	Class 300	914	813	24	40	41	692	70	235.41	204.00	342.00
	Class 600	940	838	24	48	51	692	102	372.00	330.00	533.45
	Class 900	1041	902	20	64	66	692	140	685.00	632.00	905.00
	Class 1500	1168	991	16	89	92	692	203	1504.00	-	1568.00
BS 10	Table E	826	756	16	29	32	-	38	-	56.30	-
	Table F	851	781	24	32	32	-	41	-	-	-
	Table H	851	781	24	32	35	699	57	-	71.00	-
JIS	10K	-	-	-	-	-	-	-	-	52.60	-
	20K	-	-	-	-	-	-	-	-	119.00	-
	30K	-	-	-	-	-	-	-	-	-	-
	40K	-	-	-	-	-	-	-	-	-	-

FLANGE TABLE DIMENSIONS Nominal Size 600mm (24 in)

