

Approximate Weights Butt Weld Fittings and ANSI Flanges

APPROXIMATE WEIGHT OF POPULAR SIZES

NOMINAL PIPE SIZE ANSI B36.10		SCHEDULE NO	BUTTWELD FITTINGS			ANSI FLANGES													
			90° L/R ELBOWS	TEES EQUAL	CON & ECC RED	CLASS 150			CLASS 300			CLASS 600		CLASS 900		CLASS 1500		CLASS 2500	
						SOW / SW THREAD	W / N	BLIND	SOW / SW THREAD	W / N	BLIND	W / N	BLIND	W / N	BLIND	W / N	BLIND	W / N	BLIND
DN	NPS	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA	KG/EA
15	½	40 80	0.08 0.10	0.16 0.21	-	.45	.79	.57	.73	.91	.79	.91	0.70	2.00	1.80	1.90	1.80	3.60	3.00
20	¾	40 80	0.08 0.11	0.21 0.27	0.07 0.10	.68	.86	.91	1.25	1.41	1.13	1.59	1.20	2.72	2.40	2.60	2.40	4.00	4.50
25	1	40 80	0.17 0.21	0.34 0.43	0.14 0.18	.95	1.09	1.09	1.36	1.81	1.77	1.86	1.50	3.86	3.60	3.80	3.60	6.00	5.00
32	1¼	40 80	0.28 0.39	0.64 0.75	0.18 0.23	1.13	1.41	1.25	2.04	2.27	2.68	2.72	2.00	4.54	4.10	4.40	4.10	9.00	8.00
40	1½	40 80	0.39 0.50	0.95 1.13	0.27 0.32	1.36	1.81	1.70	2.81	3.06	2.83	3.74	3.20	6.35	5.80	6.10	5.80	13.00	11.00
50	2	40 80	0.68 1.00	1.45 1.72	0.41 0.54	2.22	2.83	2.77	3.13	3.74	3.52	4.65	4.30	10.89	10.10	11.10	10.10	19.00	17.00
65	2½	40 80	1.36 1.82	2.45 2.95	0.68 0.91	3.82	4.42	4.04	4.54	5.56	5.44	6.44	6.00	16.33	14.00	15.50	14.00	24.00	25.00
80	3	40 80	2.18 2.86	3.45 4.30	0.91 1.27	4.08	5.22	5.44	6.12	7.37	7.26	8.50	8.00	14.51	13.10	20.40	19.00	43.00	39.00
90	3½	40 80	3.05 4.1	4.5 5.9	1.36 1.81	4.99	5.44	6.35	7.71	9.53	9.98	12.25	10.50	-	-	-	-	-	-
100	4	40 80	4.2 5.7	5.7 7.3	1.59 2.18	5.94	7.48	7.37	9.53	11.79	11.79	17.24	18.00	23.13	22.10	30.50	30.00	66.00	60.00
125	5	40 80	6.8 10.0	9.1 11.8	2.7 3.8	6.12	9.53	9.07	12.70	15.42	15.88	30.84	28.50	39.01	36.50	58.00	58.00	111.00	101.00
150	6	40 80	10.9 16.3	13.6 19.0	3.9 5.4	8.16	11.34	12.70	16.33	19.96	20.87	34.02	35.50	49.90	47.40	70.00	72.00	172.00	156.00
200	8	40 80	21.8 33.1	25 33.5	5.9 8.6	12.70	19.05	21.77	25.40	32.21	38.10	52.16	58.00	84.82	82.50	125.00	122.00	261.00	242.00
250	10	40 60	38.6 52	41 54	10 14	17.24	25.40	31.75	35.38	44.00	53.34	90.36	98.00	121.56	123.00	204.00	210.00	485.00	465.00
300	12	Std XS	57 75	57 77	15 20	27.22	38.10	45.36	50.80	64.41	86.18	101.60	125.00	168.74	174.00	303.00	315.00	730.00	665.00
350	14	30 XS	73 97	73 93	28 37	35.38	51.26	58.97	74.39	84.37	107.05	157.40	151.00	254.92	225.00	427.00	423.00	-	-
400	16	30 40	98 130	91 120	35 46	42.18	63.50	77.11	101.60	111.58	145.15	209.11	215.00	310.71	280.00	570.00	590.00	-	-
450	18	Std XS	120 165	135 190	40 53	52.62	68.04	102.51	126.10	138.35	181.89	217.27	287.00	419.12	400.00	740.00	795.00	-	-
500	20	20 30	150 200	168 245	61 82	65.32	81.65	123.38	149.69	174.63	231.33	312.98	366.00	527.98	503.00	935.00	1030.00	-	-
600	24	20 XS	220 280	240 350	77 95	91.63	118.84	203.21	222.26	247.21	342.92	443.16	532.00	680.39	953.00	1515.00	1650.00	-	-
750	30	Std 20	332 440	388 484	107 143	142.88	163.29	326.59	367.41	421.84	680.39	589.67	908.00	975.22	1373.00	-	-	-	-
900	36	Std 20	481 638	588 731	129 172	217.72	235.87	510.29	544.31	589.67	1031.92	793.79	1339.00	1564.89	2225.00	-	-	-	-

← DIMENSIONS →

← WEIGHT IN KILOGRAMS →

APPROXIMATE WEIGHT PER UNIT FOR AUSTENITIC BUTTWELD FITTINGS AND FLANGES MAY BE OBTAINED BY APPLYING A FACTOR OF 1.015
 APPROXIMATE WEIGHT PER UNIT FOR TITANIUM BUTTWELD FITTINGS AND FLANGES, APPLY A FACTOR OF 0.57

NOTES:

- UP TO NPS10"DN250 STD WT, 40S AND SCH40 HAVE THE SAME WALL THICKNESS. UP TO NPS8"DN200 XS, 80S AND SCH80 HAVE THE SAME WALL THICKNESS.
- BUTTWELD FITTINGS – ANSI B16.9
- FLANGES ≤ 600NB – ANSI B16.5
- FLANGES > 600NB – BS3293

APPROXIMATE WEIGHTS BUTTWELD FITTINGS & ANSI FLANGES

APPROXIMATE WEIGHT OF ASME B16.47 FLANGES