



HEBEI HAIHAO GROUP
 Mengcun, Cangzhou, Hebei, China
 www.haihaopiping.com

ISO,ABS,CE/PED APPROVED
 Professional Steel Piping Solution
 Email: sales@haihaogroup.com

Approx-weight-of-forged-flanges-EN-1092-1-pn10

PN2.5

kg

DN	Type 01	Type 05	Type 11	Type 35	Type 36	Type 37
10	0.356	0.38	0.353	0.08	0.05	0.02
15	0.402	0.438	0.408	0.09	0.06	0.03
20	0.592	0.657	0.621	0.17	0.1	0.06
25	0.719	0.821	0.762	0.26	0.15	0.08
32	1.16	1.18	1.11	0.36	0.26	0.1
40	1.35	1.39	1.26	0.45	0.31	0.13
50	1.48	1.62	1.43	0.53	0.36	0.18
65	1.86	2.14	1.77	0.7	0.47	0.24
80	2.95	3.43	2.88	1	0.57	0.42
100	3.26	4.22	3.41	1.3	0.73	0.49
125	4.32	6.1	4.65	1.9	1.2	0.62
150	4.76	7.51	5.5	2.4	1.4	0.71
200	6.88	12.3	8.6	3.9	2.03	1.1
250	8.92	18.5	11.7	5.8	2.65	-
300	11.9	25.5	15.3	6.8	3.12	-
350	16.8	31.8	20.3	9.5	4	-
400	19.8	38.5	23.1	11.6	4.73	-
450	24.6	51.2	27	15	5.3	-
500	26.4	60.1	30.8	15.9	6.1	-
600	34.8	103	44	23	-	-
700	-	178	53.7	30.9	-	-
800	-	252	64.4	41.5	-	-
900	-	336	79.2	50	-	-
1000	-	435	98.6	58.9	-	-
1200	-	574	104	56.3	-	-
1400	-	-	133	-	-	-
1600	-	-	188	-	-	-
1800	-	-	215	-	-	-
2000	-	-	260	-	-	-
2200	-	-	332	-	-	-
2400	-	-	392	-	-	-
2600	-	-	497	-	-	-
2800	-	-	668	-	-	-
3000	-	-	772	-	-	-
3200	-	-	869	-	-	-
3400	-	-	988	-	-	-
3600	-	-	1156	-	-	-
3800	-	-	1309	-	-	-
4000	-	-	1441	-	-	-



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PN6

DN	Type 01	Type 02	Type 05	Type 11	Type 12	Type 32	Type 35	Type 36	Type 37
10	0.356	0.345	0.38	0.353	0.326	0.056	0.08	0.05	0.02
15	0.402	0.388	0.438	0.408	0.373	0.069	0.09	0.06	0.03
20	0.592	0.568	0.657	0.621	0.584	0.108	0.17	0.1	0.06
25	0.719	0.688	0.821	0.762	0.729	0.149	0.26	0.15	0.08
32	1.16	1.12	1.18	1.11	1.04	0.185	0.36	0.26	0.1
40	1.35	1.29	1.39	1.26	1.2	0.244	0.45	0.31	0.13
50	1.48	1.42	1.62	1.43	1.34	0.319	0.53	0.36	0.18
65	1.86	1.76	2.14	1.77	1.83	0.451	0.7	0.47	0.24
80	2.95	2.84	3.43	2.88	2.75	0.606	1	0.57	0.42
100	3.26	3.1	4.22	3.41	3.01	0.729	1.3	0.73	0.49
125	4.32	4.12	6.1	4.65	4.3	1	1.9	1.2	0.62
150	4.76	4.53	7.51	5.5	4.63	1.01	2.4	1.4	0.71
200	6.88	6.51	12.3	8.6	6.97	1.73	3.9	2.03	1.1
250	8.92	8.32	18.5	11.7	9.13	2.32	5.8	2.65	-
300	11.9	11.1	25.5	15.3	12.4	2.88	6.8	3.12	-
350	16.8	15.9	31.8	20.3	-	4.77	9.5	4	-
400	19.8	18.8	38.5	23.1	-	5.83	11.6	4.73	-
450	24.6	23.3	51.2	27	-	7.02	15	5.3	-
500	26.4	24.9	60.1	30.8	-	8.3	15.9	6.1	-
600	34.8	33	103	44	-	9.34	23	-	-
700	-	-	178	53.7	-	-	30.9	-	-
800	-	-	252	64.4	-	-	41.5	-	-
900	-	-	336	79.2	-	-	50	-	-
1000	-	-	435	98.6	-	-	58.9	-	-
1200	-	-	717	152	-	-	93.2	-	-
1400	-	-	1094	246	-	-	-	-	-
1600	-	-	1545	309	-	-	-	-	-
1800	-	-	2131	400	-	-	-	-	-
2000	-	-	2862	516	-	-	-	-	-
2200	-	-	-	645	-	-	-	-	-
2400	-	-	-	786	-	-	-	-	-
2600	-	-	-	1021	-	-	-	-	-
2800	-	-	-	1256	-	-	-	-	-
3000	-	-	-	1404	-	-	-	-	-
3200	-	-	-	1617	-	-	-	-	-
3400	-	-	-	1877	-	-	-	-	-
3600	-	-	-	2366	-	-	-	-	-



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PN10

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35	Type 36	Type 37
10	0.604	0.591	0.549	0.722	0.678	0.646	0.094	0.148	0.08	0.05	0.02
15	0.67	0.654	0.606	0.813	0.768	0.722	0.114	0.189	0.09	0.06	0.03
20	0.936	0.909	0.836	1.14	1.09	1.04	0.225	0.34	0.17	0.1	0.06
25	1.11	1.08	0.99	1.38	1.3	1.25	0.296	0.444	0.26	0.15	0.08
32	1.82	1.77	1.65	2.03	1.91	1.81	0.362	0.572	0.36	0.26	0.1
40	2.08	2.02	1.85	2.35	2.15	2.06	0.457	0.734	0.45	0.31	0.13
50	2.73	2.52	2.34	2.88	2.53	2.39	0.653	0.974	0.53	0.36	0.18
65	3.16	3.05	2.76	3.51	3.03	2.97	0.876	1.29	0.7	0.47	0.24
80	3.6	3.48	3.17	4.61	3.92	3.78	1.07	1.67	1	0.57	0.42
100	4.39	4.2	3.78	5.65	4.62	4.38	1.28	2.12	1.3	0.73	0.49
125	5.41	5.21	4.57	8.13	6.3	6.07	1.7	2.88	1.9	1.2	0.62
150	7.14	6.89	6.22	10.5	7.81	7.24	1.96	3.46	2.4	1.4	0.71
200	9.27	8.87	7.9	16.5	11.6	10.1	2.81	5.49	3.9	2.03	1.1
250	11.8	11.2	9.99	24.1	15.8	12.8	3.52	7.53	5.8	2.65	-
300	13.6	12.8	11.1	30.8	18.3	14.5	4.02	9.11	6.8	3.12	-
350	20.4	19.4	14.7	39.6	25.3	22.7	7.55	14.1	9.5	4	-
400	27.5	26.4	20.5	49.4	30.6	28	9.38	17.8	11.6	4.73	-
450	33.6	32.2	25.5	63	35.1	32.3	10.3	19.6	15	-	-
500	40.2	38.5	30.7	75.2	40.5	38.7	12.6	23.7	15.9	-	-
600	54.5	52.2	43	124	52.9	48.9	14.3	28.9	23	-	-
700	-	79.4		183	75.8	-	-		30.9	-	-
800	-	112		297	102	-	-		41.5	-	-
900	-	135		374	121	-	-		50	-	-
1000	-	180		492	161	-	-		58.9	-	-
1200	-	278		842	258	-	-		93.2	-	-
1400	-	-		-	371	-	-		-	-	-
1600	-	-		-	547	-	-		-	-	-
1800	-	-		-	691	-	-		-	-	-
2000	-	-		-	830	-	-		-	-	-
2200	-	-		-	1073	-	-		-	-	-
2400	-	-		-	1329	-	-		-	-	-
2600	-	-		-	1574	-	-		-	-	-
2800	-	-		-	1987	-	-		-	-	-
3000	-	-		-	2476	-	-		-	-	-

PN16

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35	Type 36	Type 37
10	0.604	0.591	0.549	0.722	0.678	0.646	0.094	0.148	0.08	0.05	0.02
15	0.67	0.654	0.606	0.813	0.768	0.722	0.114	0.189	0.09	0.06	0.03
20	0.936	0.909	0.836	1.14	1.09	1.04	0.225	0.34	0.17	0.1	0.06
25	1.11	1.08	0.99	1.38	1.3	1.25	0.296	0.444	0.26	0.15	0.08
32	1.82	1.77	1.65	2.03	1.91	1.81	0.362	0.572	0.36	0.26	0.1
40	2.08	2.02	1.85	2.35	2.15	2.06	0.457	0.734	0.45	0.31	0.13
50	2.73	2.52	2.34	2.88	2.53	2.39	0.653	0.974	0.53	0.36	0.18
65	3.16	3.05	2.76	3.51	3.03	2.97	0.876	1.29	0.7	0.47	0.24
80	3.6	3.48	3.17	4.61	3.92	3.78	1.07	1.67	1	0.57	0.42
100	4.39	4.2	3.78	5.65	4.62	4.38	1.28	2.12	1.3	0.73	0.49
125	5.41	5.21	4.57	8.13	6.3	6.07	1.7	2.88	1.9	1.2	0.62
150	7.14	6.89	6.22	10.5	7.81	7.24	1.96	3.46	2.4	1.4	0.71
200	9.73	9.31	8.37	16.2	11.5	10.1	2.81	5.55	3.9	2.03	1.1
250	14.2	13.5	12.4	25	16.7	12.8	3.52	7.71	5.8	-	-
300	19	18	16.3	35.1	22.1	14.5	4.02	11.4	9.5	-	-
350	28.2	27	21.5	48	32.8	22.7	7.55	19.2	15.2	-	-
400	35.9	34.6	27.1	63.5	41.1	28	9.38	23.7	18.7	-	-
450	46.1	44.6	36.7	96.6	50.6	32.3	10.3	28.2	24.4	-	-
500	64	62	51.1	133	66.2	38.7	12.6	35.5	29.1	-	-
600	102	98.8	78.3	226	104	48.9	14.3	47.9	40.3	-	-
700	-	107	-	285	96.5	-	-	-	45.2	-	-
800	-	152	-	388	122	-	-	-	59.9	-	-
900	-	184	-	483	155	-	-	-	75.6	-	-
1000	-	257	-	640	233	-	-	-	106.46	-	-
1200	-	-	-	-	390	-	-	-	-	-	-
1400	-	-	-	-	495	-	-	-	-	-	-
1600	-	-	-	-	760	-	-	-	-	-	-
1800	-	-	-	-	929	-	-	-	-	-	-
2000	-	-	-	-	1185	-	-	-	-	-	-

PN25

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35
10	0.604	0.591	0.549	0.722	0.678	0.646	0.094	0.148	0.08
15	0.67	0.654	0.606	0.813	0.768	0.722	0.114	0.189	0.09
20	0.936	0.909	0.836	1.14	1.09	1.04	0.225	0.34	0.17
25	1.11	1.08	0.99	1.38	1.3	1.25	0.296	0.444	0.26
32	1.82	1.77	1.65	2.03	1.91	1.81	0.362	0.572	0.36
40	2.08	2.02	1.85	2.35	2.15	2.06	0.457	0.734	0.45
50	2.73	2.65	2.47	3.2	2.85	2.74	0.653	1.02	0.69
65	3.48	3.36	3.04	4.29	3.68	3.65	0.876	1.36	1.1
80	4.32	4.18	3.61	5.54	4.78	4.59	1.2	1.9	1.6
100	6.07	5.87	5.18	7.6	6.46	6.1	1.58	2.77	2.4
125	8.19	7.95	6.89	10.8	8.86	8.22	2.08	3.78	3.2
150	10.3	9.97	8.69	14.6	11.7	10.6	2.73	5.25	4.6
200	17.9	17.4	14.9	28.8	21	18.3	5.55	10.2	8.8
250	29.3	28.4	23.8	44.4	34.2	28.3	7.87	16.4	14.4
300	45.1	43.6	36	64.2	47.6	40.4	12.8	25.4	20.7
350	66.7	64.9	50.4	89.5	69.3	58.8	19.3	37.8	30.7
400	97.1	95.1	75.5	127	98	82.1	30.4	56.4	45.4
450	-	-	-	154	105	86.2	28.4	56.4	-
500	-	-	-	188	130	105	35.3	72.9	-
600	-	-	-	331	209	172	53.3	106	-

PN40

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35
10	0.604	0.591	0.549	0.722	0.678	0.646	0.094	0.148	0.08
15	0.67	0.654	0.606	0.813	0.768	0.722	0.114	0.189	0.09
20	0.936	0.909	0.836	1.14	1.09	1.04	0.225	0.34	0.17
25	1.11	1.08	0.99	1.38	1.3	1.25	0.296	0.444	0.26
32	1.82	1.77	1.65	2.03	1.91	1.81	0.362	0.572	0.36
40	2.08	2.02	1.85	2.35	2.15	2.06	0.457	0.734	0.45
50	2.73	2.65	2.47	3.2	2.85	2.74	0.653	1.02	0.69
65	3.48	3.36	3.04	4.29	3.68	3.65	0.876	1.36	1.1
80	4.32	4.18	3.61	5.54	4.78	4.59	1.2	1.9	1.6
100	6.07	5.87	5.18	7.6	6.46	6.1	1.58	2.77	2.4
125	8.19	7.95	6.89	10.8	8.86	8.22	2.08	3.78	3.2
150	10.3	9.97	8.69	14.6	11.7	10.6	2.73	5.25	4.6
200	17.9	17.4	14.9	28.8	21	18.3	5.55	10.2	8.8
250	29.3	28.4	23.8	44.4	34.2	28.3	7.87	16.4	14.4
300	45.1	43.6	36	64.2	47.6	40.4	12.8	25.4	20.7
350	66.7	64.9	50.4	89.5	69.3	58.8	19.3	37.8	30.7
400	97.1	95.1	75.5	127	98	82.1	30.4	56.4	45.4
450	-	-	-	154	105	86.2	28.4	56.4	-
500	-	-	-	188	130	105	35.3	72.9	-
600	-	-	-	331	209	172	53.3	106	-

PN100

DN	Type 01	Type 05	Type 11	Type 12
10	1	1.04	1.09	1.07
15	1.1	1.16	1.2	1.17
20	1.86	1.97	2.02	1.96
25	2.37	2.54	2.63	2.49
32	2.79	3.07	3.2	2.95
40	3.58	3.97	4.07	3.8
50	4.99	5.64	5.82	5.28
65	6.33	7.44	7.57	6.84
80	7.72	8.85	8.82	7.94
100	10.3	13.3	13.1	11.5
125	17.2	21.3	21	17.9
150	23.6	29.4	28.3	23.8
200	42.9	52.7	50.2	-
250	69	85.4	81.4	-
300	104	128	118	-
350	150	175	169	-

PN63

kg

DN	Type 01	Type 05	Type 11	Type 12
50	4.99	4.52	4.51	4.2
65	4.73	5.69	5.58	5.3
80	5.9	6.89	6.68	6.25
100	8.05	10	9.27	8.81
125	11.7	15.9	14.5	13.6
150	16.9	23.3	21.4	19.5
200	30.5	39.2	34.1	-
250	42.1	56.7	48.3	-
300	59.1	81.2	67.5	-
350	88.7	113	97.8	-
400	121	152	129	-

PN160 PN250 PN320 PN400

DN	Type 11	Type 11	Type 11	Type 11
10	1.1	-	2.14	2.55
15	1.2	2.51	2.53	3.62
25	2.64	3.58	5.18	7.45
40	4.42	6.72	8.65	14.1
50	6.38	8.22	10.7	16.7
65	8.75	12.8	19.5	31.6
80	10.3	16.5	25.2	38.4
100	15.3	27.2	42.5	67.3
125	24.4	39	63.6	94.5
150	34.4	59.6	91.5	145
200	60.7	110	172	270
250	97.6	190	312	
300	140			