

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊90° 长半径弯头  
BW 90° LR Elbow

kg

公称尺寸 Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
15	1/2	0.05	0.06	-	0.07	0.08	0.08	-	0.11	0.11	-	-	-	0.13	0.17
20	3/4	0.06	0.08	-	0.09	0.11	0.11	-	0.14	0.14	-	-	-	0.19	0.24
25	1	0.08	0.13	-	0.14	0.16	0.16	-	0.12	0.12	-	-	-	0.28	0.36
32	1 1/4	0.13	0.22	-	0.24	0.28	0.28	-	0.24	0.24	-	-	-	0.47	0.64
40	1 1/2	0.18	0.30	-	0.35	0.40	0.40	-	0.53	0.53	-	-	-	0.71	0.94
50	2	0.30	0.50	-	0.59	0.71	0.71	-	0.98	0.98	-	-	-	1.46	1.76
65	2 1/2	0.58	0.84	-	1.32	1.42	1.42	-	1.87	1.87	-	-	-	2.45	3.35
80	3	0.85	1.23	-	1.95	2.22	2.22	-	3.01	3.01	-	-	-	4.20	5.45
90	3 1/2	1.15	1.66	-	2.62	3.12	3.12	-	4.28	4.28	-	-	-	-	-
100	4	1.48	2.14	-	3.39	4.22	4.22	-	5.86	5.86	-	7.44	-	8.81	10.8
125	5	3.02	3.71	-	-	7.15	7.15	-	10.2	10.2	-	13.2	-	16.1	18.9
150	6	4.36	5.36	-	-	11.2	11.2	-	16.8	16.8	-	21.4	-	26.7	31.3
200	8	7.59	10.3	17.6	19.4	22.4	22.4	28.0	34.1	34.1	40.0	47.7	53.2	58.6	56.9
250	10	14.6	17.9	27.5	33.6	39.7	39.7	53.7	53.7	63.2	75.5	87.6	102	113	102
300	12	24.2	28.0	39.3	51.5	58.3	62.9	86.0	76.9	104	126	148	164	188	148
350	14	31.1	37.6	62.5	74.9	74.9	87.1	117	98.9	146	180	207	234	259	-
400	16	43.2	49.3	82.0	98.3	98.3	130	169	130	215	259	302	351	385	-
450	18	55.0	62.7	104	145	125	185	244	165	302	367	431	484	545	-
500	20	77.2	89.5	154	204	154	242	326	204	410	502	581	669	744	-
550	22	93.8	109	187	248	187	-	426	248	541	654	763	870	974	-
600	24	130	149	223	331	223	403	561	295	698	865	1011	1137	1277	-
650	26	-	-	347	-	262	-	-	347	-	-	-	-	-	-
700	28	-	-	403	478	304	-	-	403	-	-	-	-	-	-
750	30	233	290	464	577	349	-	-	464	-	-	-	-	-	-
800	32	-	-	528	658	398	722	-	528	-	-	-	-	-	-
850	34	-	-	597	743	449	817	-	597	-	-	-	-	-	-
900	36	-	-	669	834	504	997	-	669	-	-	-	-	-	-
950	38	-	-	-	-	562	-	-	746	-	-	-	-	-	-
1000	40	-	-	-	-	623	-	-	828	-	-	-	-	-	-
1050	42	-	-	-	-	687	-	-	913	-	-	-	-	-	-
1100	44	-	-	-	-	754	-	-	1003	-	-	-	-	-	-
1150	46	-	-	-	-	825	-	-	1096	-	-	-	-	-	-
1200	48	-	-	-	-	898	-	-	1194	-	-	-	-	-	-
1300	52	-	-	-	-	1107	-	-	-	-	-	-	-	-	-
1400	56	-	-	-	-	1284	-	-	-	-	-	-	-	-	-
1500	60	-	-	-	-	1475	-	-	-	-	-	-	-	-	-
1600	64	-	-	-	-	1679	-	-	-	-	-	-	-	-	-
1700	68	-	-	-	-	1869	-	-	-	-	-	-	-	-	-
1800	72	-	-	-	-	2126	-	-	-	-	-	-	-	-	-
1900	76	-	-	-	-	2372	-	-	-	-	-	-	-	-	-
2000	80	-	-	-	-	2626	-	-	-	-	-	-	-	-	-

注释:大于DN1200(NPS 48) 的Sch40s重量为按公称壁厚9.53mm计算的重量。

Note: the weight for the size more than DN1200(NPS48) is calculated on the basis of thickness 9.53mm.

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊90° 短半径弯头  
BW 90° SR Elbow

kg

公称尺寸 Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
25	1	0.05	0.09	-	0.09	0.11	0.11	-	0.14	0.14	-	-	-	0.18	0.24
32	1 1/4	0.09	0.15	-	0.16	0.19	0.19	-	0.25	0.25	-	-	-	0.31	0.43
40	1 1/2	0.12	0.20	-	0.23	0.27	0.27	-	0.36	0.36	-	-	-	0.48	0.63
50	2	0.20	0.34	-	0.39	0.48	0.48	-	0.66	0.66	-	-	-	0.98	1.18
65	2 1/2	0.39	0.56	-	0.89	0.95	0.95	-	1.26	1.26	-	-	-	1.65	2.26
80	3	0.57	0.82	-	1.30	1.48	1.48	-	2.01	2.01	-	-	-	2.80	3.64
90	3 1/2	0.77	1.11	-	1.76	2.09	2.09	-	2.87	2.87	-	-	-	-	-
100	4	0.99	1.43	-	2.28	2.83	2.83	-	3.93	3.93	-	4.99	-	5.91	7.23
125	5	2.02	2.48	-	-	4.78	4.78	-	6.80	6.80	-	8.84	-	10.8	12.6
150	6	2.89	3.55	-	-	7.42	7.42	-	11.2	11.2	-	14.2	-	17.7	20.8
200	8	5.05	6.85	11.7	12.9	14.9	14.9	18.6	22.7	22.7	26.6	31.7	35.4	39.0	37.9
250	10	9.72	12.0	18.3	22.4	26.5	26.5	35.8	35.8	42.1	50.3	58.4	68.1	75.6	68.1
300	12	16.2	18.7	26.2	34.4	38.9	42.0	57.4	51.4	69.6	84.3	98.5	110	126	98.5
350	14	20.8	25.1	41.8	50.0	50.0	58.2	78.0	66.1	97.3	120	138	156	173	-
400	16	28.8	32.8	54.6	65.4	65.4	86.5	112	86.5	143	172	201	234	256	-
450	18	36.5	41.6	69.3	96.6	83.0	123	162	110	201	245	287	322	363	-
500	20	51.7	59.9	103	136	103	161	218	136	273	335	388	466	496	-
550	22	62.7	72.7	125	165	125	-	284	165	361	436	509	580	649	-
600	24	86.6	99.3	149	221	149	269	374	197	466	577	675	759	852	-
650	26	-	-	231	-	174	-	-	231	-	-	-	-	-	-
700	28	-	-	269	334	203	-	-	269	-	-	-	-	-	-
750	30	155	194	309	385	233	-	-	309	-	-	-	-	-	-
800	32	-	-	352	439	265	482	-	352	-	-	-	-	-	-
850	34	-	-	398	496	300	545	-	398	-	-	-	-	-	-
900	36	-	-	446	555	336	664	-	446	-	-	-	-	-	-
950	38	-	-	-	-	374	-	-	497	-	-	-	-	-	-
1000	40	-	-	-	-	415	-	-	552	-	-	-	-	-	-
1050	42	-	-	-	-	458	-	-	609	-	-	-	-	-	-
1100	44	-	-	-	-	503	-	-	669	-	-	-	-	-	-
1150	46	-	-	-	-	550	-	-	730	-	-	-	-	-	-
1200	48	-	-	-	-	599	-	-	796	-	-	-	-	-	-
1300	52	-	-	-	-	738	-	-	-	-	-	-	-	-	-
1400	56	-	-	-	-	854	-	-	-	-	-	-	-	-	-
1500	60	-	-	-	-	983	-	-	-	-	-	-	-	-	-
1600	64	-	-	-	-	1116	-	-	-	-	-	-	-	-	-
1700	68	-	-	-	-	1264	-	-	-	-	-	-	-	-	-
1800	72	-	-	-	-	1418	-	-	-	-	-	-	-	-	-
1900	76	-	-	-	-	1581	-	-	-	-	-	-	-	-	-
2000	80	-	-	-	-	1751	-	-	-	-	-	-	-	-	-

注释:大于DN1200(NPS 48) 的Sch40s重量为按公称壁厚9.53mm 计算的重量。

Note: the weight for the size more than DN1200(NPS48) is calculated on the basis of thickness 9.53mm.

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊90° 3D弯头  
BW 90° 3D Elbow

kg

公称尺寸 Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
20	3/4	0.10	0.12	-	0.14	0.17	0.17	-	0.22	0.22	-	-	-	0.29	0.36
25	1	0.16	0.27	-	0.29	0.33	0.33	-	0.43	0.43	-	-	-	0.56	0.72
32	1 1/4	0.26	0.44	-	0.47	0.56	0.56	-	0.48	0.73	-	-	-	0.92	1.28
40	1 1/2	0.36	0.60	-	0.70	0.80	0.80	-	1.07	1.07	-	-	-	1.43	1.88
50	2	0.60	1.01	-	1.18	1.43	1.43	-	1.97	1.97	-	-	-	2.92	3.53
65	2 1/2	1.16	1.67	-	2.64	2.83	2.83	-	3.75	3.75	-	-	-	4.90	6.70
80	3	1.72	2.48	-	3.92	4.47	4.47	-	6.04	6.04	-	-	-	8.45	11.0
90	3 1/2	2.30	3.33	-	5.27	6.26	6.26	-	8.60	8.60	-	-	-	-	-
100	4	2.97	4.29	-	6.80	8.47	8.47	-	11.8	11.8	-	14.9	-	17.7	21.6
125	5	6.05	7.42	-	-	14.3	14.3	-	20.4	20.4	-	26.5	-	32.3	37.8
150	6	8.69	10.7	-	-	22.3	22.3	-	33.6	33.6	-	42.8	-	53.4	62.6
200	8	15.2	20.6	35.1	38.8	44.8	44.8	56.0	68.1	68.1	80.0	95.3	106	117	114
250	10	29.1	35.9	55.0	67.2	79.4	79.4	107	107	126	151	175	204	227	204
300	12	48.6	56.1	78.5	103	117	126	172	154	209	252	295	329	377	295
350	14	62.3	75.2	125	150	150	174	234	198	292	359	414	468	519	-
400	16	86.2	98.3	164	196	196	260	337	260	429	517	604	702	770	-
450	18	109	125	208	290	249	369	488	330	604	734	862	968	1089	-
500	20	155	180	309	409	309	483	653	409	819	1005	1163	1338	1487	-
550	22	188	217	374	496	374	-	852	496	1083	1307	1526	1740	1947	-
600	24	259	297	446	663	446	807	1123	591	1397	1731	2023	2276	2554	-
650	26	-	-	694	-	523	-	-	694	-	-	-	-	-	-
700	28	-	-	806	1004	608	-	-	806	-	-	-	-	-	-
750	30	466	581	927	1154	699	-	-	927	-	-	-	-	-	-
800	32	-	-	1056	1315	796	1445	-	1056	-	-	-	-	-	-
850	34	-	-	1194	1487	899	1634	-	1194	-	-	-	-	-	-
900	36	-	-	1338	1667	1008	1993	-	1338	-	-	-	-	-	-
950	38	-	-	-	-	1124	-	-	1493	-	-	-	-	-	-
1000	40	-	-	-	-	1246	-	-	1655	-	-	-	-	-	-
1050	42	-	-	-	-	1374	-	-	1826	-	-	-	-	-	-
1100	44	-	-	-	-	1509	-	-	2006	-	-	-	-	-	-
1150	46	-	-	-	-	1649	-	-	2191	-	-	-	-	-	-
1200	48	-	-	-	-	1797	-	-	2388	-	-	-	-	-	-



REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊等径三通  
BW Straight Tee

公称尺寸 Nominal Size																kg
DN	NPS	Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	
15	1/2	0.10	0.12	-	0.15	0.16	0.16	-	0.20	0.20	-	-	-	0.25	0.35	
20	3/4	0.11	0.15	-	0.18	0.20	0.20	-	0.30	0.30	-	-	-	0.35	0.45	
25	1	0.14	0.23	-	0.27	0.28	0.28	-	0.45	0.45	-	-	-	0.54	0.77	
32	1 1/4	0.25	0.43	-	0.46	0.55	0.55	-	0.70	0.70	-	-	-	0.91	1.26	
40	1 1/2	0.35	0.59	-	0.68	0.78	0.78	-	1.25	1.25	-	-	-	1.39	1.83	
50	2	0.49	0.83	-	0.96	1.17	1.17	-	1.61	1.61	-	-	-	2.39	2.89	
65	2 1/2	0.90	1.31	-	2.06	2.21	2.21	-	2.92	2.92	-	-	-	3.81	5.21	
80	3	1.24	1.79	-	2.87	3.23	3.23	-	4.42	4.42	-	-	-	6.17	8.01	
90	3 1/2	1.59	2.30	-	3.65	4.33	4.33	-	5.95	5.95	-	-	-	-	-	
100	4	1.95	2.82	-	4.56	5.68	5.68	-	7.88	7.88	-	10.0	-	11.8	14.5	
125	5	3.84	4.71	-	-	9.08	9.08	-	12.9	12.9	-	16.8	-	20.5	24.0	
150	6	5.30	6.50	-	-	13.6	13.6	-	20.5	20.5	-	26.1	-	32.5	38.1	
200	8	8.64	11.7	17.5	22.0	25.5	25.5	31.8	38.7	38.7	45.4	54.1	60.4	66.6	64.6	
250	10	16.4	20.2	28.0	37.1	44.8	44.8	59.2	59.2	69.7	83.3	96.6	113	125	113	
300	12	26.2	30.3	42.6	55.7	63.1	68.1	93.0	83.2	112	137	160	178	204	160	
350	14	31.7	38.3	64.5	76.3	76.3	88.7	119	101	148	183	211	238	264	-	
400	16	42.1	48.0	78.2	95.7	95.7	126	164	126	191	252	294	342	375	-	
450	18	53.2	60.7	102	141	121	179	237	160	269	357	419	471	529	-	
500	20	75.2	87.2	168	198	150	235	317	190	365	489	566	651	724	-	
550	22	91.3	106	185	241	182	-	414	241	482	636	743	846	947	-	
600	24	119	137	222	305	205	340	516	272	589	796	930	1046	1174	-	
650	26	-	-	340	-	254	-	-	337	-	-	-	-	-	-	
700	28	-	-	390	478	289	-	-	383	-	-	-	-	-	-	
750	30	221	276	420	549	332	-	-	441	-	-	-	-	-	-	
800	32	-	-	480	627	379	631	-	503	-	-	-	-	-	-	
850	34	-	-	540	709	429	714	-	569	-	-	-	-	-	-	
900	36	-	-	610	796	481	872	-	639	-	-	-	-	-	-	
950	38	-	-	-	-	537	-	-	713	-	-	-	-	-	-	
1000	40	-	-	-	-	598	-	-	791	-	-	-	-	-	-	
1050	42	-	-	-	-	636	-	-	846	-	-	-	-	-	-	
1100	44	-	-	-	-	712	-	-	946	-	-	-	-	-	-	
1150	46	-	-	-	-	779	-	-	995	-	-	-	-	-	-	
1200	48	-	-	-	-	850	-	-	1080	-	-	-	-	-	-	
1300	52	-	-	-	-	917	-	-	-	-	-	-	-	-	-	
1400	56	-	-	-	-	1065	-	-	-	-	-	-	-	-	-	
1500	60	-	-	-	-	1226	-	-	-	-	-	-	-	-	-	
1600	64	-	-	-	-	1398	-	-	-	-	-	-	-	-	-	
1700	68	-	-	-	-	1580	-	-	-	-	-	-	-	-	-	
1800	72	-	-	-	-	1740	-	-	-	-	-	-	-	-	-	
1900	76	-	-	-	-	1980	-	-	-	-	-	-	-	-	-	
2000	80	-	-	-	-	2290	-	-	-	-	-	-	-	-	-	

注释:大于DN1200(NPS 48) 的Sch40s重量为按公称壁厚9.53mm  
计算的重量。

the Weight for the size more than DN1200(NPS48) is calculated on  
the basis of thickness 9.53mm.

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对焊异径管  
BW Straight Tee

kg

大端公称尺寸 Large End Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
20	3/4	0.04	0.05	-	0.06	0.07	0.07	-	0.09	0.09	-	-	-	0.12	0.15
25	1	0.07	0.11	-	0.12	0.14	0.14	-	0.18	0.18	-	-	-	0.24	0.31
32	1 1/4	0.09	0.15	-	0.16	0.19	0.19	-	0.25	0.25	-	-	-	0.32	0.45
40	1 1/2	0.13	0.22	-	0.25	0.29	0.29	-	0.38	0.38	-	-	-	0.51	0.70
50	2	0.19	0.33	-	0.37	0.46	0.46	-	0.63	0.63	-	-	-	0.93	1.20
65	2 1/2	0.35	0.50	-	0.79	0.85	0.85	-	1.12	1.12	-	-	-	1.46	2.00
80	3	0.43	0.62	-	0.97	1.11	1.11	-	1.50	1.50	-	-	-	2.09	2.71
90	3 1/2	0.56	0.81	-	1.28	1.52	1.52	-	2.09	2.09	-	-	-	-	-
100	4	0.63	0.92	-	1.45	1.81	1.81	-	2.51	2.51	-	3.18	-	3.76	4.60
125	5	1.29	1.58	-	-	3.04	3.04	-	4.33	4.33	-	5.63	-	6.86	8.02
150	6	1.69	2.08	-	-	4.35	4.35	-	6.55	6.55	-	8.35	-	10.4	12.2
200	8	2.41	3.27	5.57	6.16	7.12	7.12	8.88	10.8	10.8	12.7	15.1	16.9	18.6	18.0
250	10	4.33	5.33	8.18	9.99	11.8	11.8	16.0	16.0	18.8	22.5	26.0	30.4	33.7	30.4
300	12	6.86	7.91	11.1	14.6	16.5	17.8	24.3	21.8	29.5	35.7	41.7	46.5	53.3	41.7
350	14	12.3	14.8	24.6	29.5	29.6	34.3	46.0	39.0	57.4	70.8	81.5	92.0	102	-
400	16	16.1	18.4	30.5	36.5	36.6	48.3	62.7	48.3	79.7	96.2	112	130	143	-
450	18	19.4	22.1	36.8	51.3	44.1	65.3	86.2	58.3	107	130	152	171	193	-
500	20	32.9	38.1	65.5	86.7	65.5	102	138	86.7	174	213	247	284	316	-
550	22	36.2	42.0	72.2	95.6	72.2	-	164	95.6	209	252	294	336	376	-
600	24	45.9	52.6	78.9	117	78.9	143	199	105	247	306	358	402	452	-
650	26	-	-	136	-	103	-	-	136	-	-	-	-	-	-
700	28	-	-	147	183	111	-	-	147	-	-	-	-	-	-
750	30	79.3	98.9	157	196	119	-	-	158	-	-	-	-	-	-
800	32	-	-	168	209	127	230	-	168	-	-	-	-	-	-
850	34	-	-	179	223	135	245	-	179	-	-	-	-	-	-
900	36	-	-	189	236	143	282	-	190	-	-	-	-	-	-
950	38	-	-	-	-	151	-	-	200	-	-	-	-	-	-
1000	40	-	-	-	-	159	-	-	211	-	-	-	-	-	-
1050	42	-	-	-	-	167	-	-	222	-	-	-	-	-	-
1100	44	-	-	-	-	175	-	-	232	-	-	-	-	-	-
1150	46	-	-	-	-	213	-	-	283	-	-	-	-	-	-
1200	48	-	-	-	-	222	-	-	296	-	-	-	-	-	-
1300	52	-	-	-	-	241	-	-	-	-	-	-	-	-	-
1400	56	-	-	-	-	259	-	-	-	-	-	-	-	-	-
1500	60	-	-	-	-	278	-	-	-	-	-	-	-	-	-

注释:大于DN1200(NPS 48) 的Sch40s重量为按公称壁厚9.53mm  
计算的重量。

the Weight for the size more than DN1200(NPS48) is calculated on  
the basis of thickness 9.53mm.

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊管帽  
BW Cap

kg

公称尺寸 Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
15	1/2	0.02	0.03	-	0.04	0.04	0.04	-	0.06	0.06	-	-	-	0.08	0.11
20	3/4	0.03	0.04	-	0.05	0.05	0.05	-	0.07	0.07	-	-	-	0.11	0.15
25	1	0.06	0.10	-	0.10	0.12	0.12	-	0.16	0.16	-	-	-	0.22	0.32
32	1 1/4	0.07	0.12	-	0.13	0.16	0.16	-	0.22	0.22	-	-	-	0.28	0.43
40	1 1/2	0.09	0.14	-	0.16	0.19	0.19	-	0.26	0.26	-	-	-	0.36	0.52
50	2	0.11	0.18	-	0.21	0.26	0.26	-	0.36	0.36	-	-	-	0.57	0.73
65	2 1/2	0.18	0.26	-	0.40	0.44	0.44	-	0.59	0.59	-	-	-	0.80	1.18
80	3	0.28	0.41	-	0.65	0.73	0.73	-	1.08	1.08	-	-	-	1.48	2.02
90	3 1/2	0.39	0.57	-	0.90	1.07	1.07	-	1.51	1.51	-	-	-	-	-
100	4	0.46	0.66	-	1.04	1.30	1.30	-	1.85	1.85	-	2.40	-	2.91	3.69
125	5	0.89	1.09	-	-	2.10	2.10	-	3.06	3.06	-	4.07	-	5.09	6.10
150	6	1.24	1.53	-	-	3.19	3.19	-	4.93	4.93	-	6.41	-	8.20	9.86
200	8	1.94	2.63	4.45	4.92	5.72	5.72	7.21	8.88	8.88	10.6	12.8	14.5	16.1	15.6
250	10	3.70	4.57	6.89	8.46	10.1	10.1	13.9	13.8	16.4	19.8	23.3	27.6	31.0	27.6
300	12	6.07	7.00	9.75	12.9	14.6	15.9	21.9	19.5	26.9	32.9	39.0	43.9	51.2	39.0
350	14	7.27	8.78	14.6	17.6	17.5	20.5	27.7	23.3	35.0	43.8	51.1	58.4	65.7	-
400	16	9.72	11.1	18.3	22.1	22.1	29.4	38.6	29.4	49.7	60.7	71.7	84.6	93.8	-
450	18	12.4	14.1	23.4	32.9	28.2	42.2	56.3	37.5	70.4	86.8	103	117	134	-
500	20	17.6	20.4	35.1	46.8	35.1	55.6	76.0	46.8	96.5	120	141	164	184	-
550	22	21.4	24.8	42.7	56.9	42.7	-	99.7	57.0	128	157	185	214	242	-
600	24	28.9	33.1	49.7	74.5	49.7	91.2	129	66.3	162	203	240	273	311	-
650	26	-	-	74.0	-	55.6	-	-	74.1	-	-	-	-	-	-
700	28	-	-	82.4	103	61.8	-	-	82.4	-	-	-	-	-	-
750	30	45.6	56.9	91.2	114	68.5	-	-	91.2	-	-	-	-	-	-
800	32	-	-	101	126	75.4	138	-	101	-	-	-	-	-	-
850	34	-	-	110	138	82.7	152	-	110	-	-	-	-	-	-
900	36	-	-	120	150	90.2	180	-	120	-	-	-	-	-	-
950	38	-	-	-	-	104	-	-	139	-	-	-	-	-	-
1000	40	-	-	-	-	113	-	-	150	-	-	-	-	-	-
1050	42	-	-	-	-	122	-	-	162	-	-	-	-	-	-
1100	44	-	-	-	-	138	-	-	184	-	-	-	-	-	-
1150	46	-	-	-	-	148	-	-	197	-	-	-	-	-	-
1200	48	-	-	-	-	158	-	-	210	-	-	-	-	-	-

注释：表中为按管帽高度E值计算的重量。

Note: the weight for the above listed caps is calculated on the basis of E height.



REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

对焊等径45° 斜三通  
BW Straight45° Lateral Tee

kg

公称尺寸 Nominal Size		Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
DN	NPS														
15	1/2	0.19	0.24	-	0.28	0.32	0.32	-	0.41	0.41	-	-	-	0.49	0.64
20	3/4	0.28	0.36	-	0.42	0.49	0.49	-	0.64	0.64	-	-	-	0.85	1.07
25	1	0.42	0.71	-	0.76	0.87	0.87	-	1.13	1.13	-	-	-	1.47	1.89
32	1 1/4	0.74	1.24	-	1.34	1.59	1.59	-	2.09	2.09	-	-	-	2.62	3.63
40	1 1/2	0.99	1.66	-	1.93	2.21	2.21	-	2.95	2.95	-	-	-	3.95	5.21
50	2	1.32	2.22	-	2.58	3.13	3.13	-	4.31	4.31	-	-	-	6.41	7.75
65	2 1/2	2.32	3.36	-	5.29	5.68	5.68	-	7.50	7.50	-	-	-	9.81	13.4
80	3	3.04	4.39	-	6.94	7.90	7.90	-	10.7	10.7	-	-	-	14.9	19.4
90	3 1/2	3.62	5.23	-	8.29	9.85	9.85	-	13.5	13.5	-	-	-	-	-
100	4	4.73	6.84	-	10.8	13.5	13.5	-	18.7	18.7	-	23.7	-	28.1	34.4
125	5	8.63	10.6	-	-	20.4	20.4	-	29.0	29.0	-	37.8	-	46.0	53.8
150	6	12.0	14.7	-	-	30.8	30.8	-	46.4	46.4	-	59.2	-	73.7	86.5
200	8	18.5	25.1	42.8	47.3	54.6	54.6	68.2	83.0	83.0	97.5	116	130	143	139
250	10	33.1	40.8	62.5	76.3	90.2	90.2	122	122	144	172	199	232	258	232
300	12	52.4	60.4	84.9	111	126	136	186	166	225	273	319	355	408	319
350	14	64.8	78.2	130	156	156	181	242	205	302	373	430	485	539	-
400	16	87.1	99.3	165	198	198	262	340	262	432	521	609	707	776	-
450	18	107	122	204	284	244	361	477	323	591	718	844	947	1066	-
500	20	147	170	293	388	293	459	620	388	778	954	1105	1271	1413	-
550	22	175	202	348	462	348	-	794	462	1009	1218	1422	1621	1814	-
600	24	241	276	414	615	414	750	1043	549	1298	1608	1879	2114	2372	-
650	26	-	-	643	-	485	-	-	643	-	-	-	-	-	-
700	28	-	-	753	937	568	-	-	753	-	-	-	-	-	-
750	30	434	541	864	1076	651	-	-	864	-	-	-	-	-	-
860	32	-	-	982	1224	836	1344	-	1110	-	-	-	-	-	-
900	36	-	-	1245	1551	937	1854	-	1245	-	-	-	-	-	-
950	38	-	-	-	-	1073	-	-	1425	-	-	-	-	-	-
1000	40	-	-	-	-	1190	-	-	1580	-	-	-	-	-	-
1050	42	-	-	-	-	1313	-	-	1744	-	-	-	-	-	-
1100	44	-	-	-	-	1441	-	-	1915	-	-	-	-	-	-
1150	46	-	-	-	-	1575	-	-	2093	-	-	-	-	-	-
1200	48	-	-	-	-	1716	-	-	2280	-	-	-	-	-	-

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

翻边短节  
Lap Joint Stub End

kg

公称尺寸 Nominal Size		Sch10S		Sch40S		Sch80S	
DN	NPS	短型 Short Pattern	长型 Long Pattern	短型 Short Pattern	长型 Long Pattern	短型 Short Pattern	长型 Long Pattern
15	1/2	0.07	0.09	0.09	0.12	0.12	0.16
20	3/4	0.09	0.12	0.12	0.16	0.15	0.21
25	1	0.15	0.25	0.18	0.32	0.24	0.43
32	1 1/4	0.19	0.34	0.25	0.43	0.33	0.57
40	1 1/2	0.22	0.39	0.31	0.52	0.43	0.75
50	2	0.35	0.71	0.52	1.02	0.73	1.49
65	2 1/2	0.46	0.95	0.81	1.60	1.10	2.22
80	3	0.62	1.22	1.10	2.11	1.50	2.98
90	3 1/2	0.70	1.36	1.52	2.55	2.09	3.65
100	4	0.94	1.59	1.80	3.05	2.58	4.44
125	5	1.30	2.80	2.25	5.42	3.60	7.86
150	6	1.75	3.30	3.59	7.02	5.76	11.3
200	8	2.90	4.95	5.98	10.6	9.18	16.2
250	10	4.79	8.50	10.2	18.4	13.7	24.9
300	12	7.20	10.9	14.9	22.8	19.5	30.2
350	14	7.95	15.0	15.8	28.7	21.6	38.6
400	16	9.50	17.3	18.9	33.1	25.2	44.5
450	18	11.1	19.8	22.0	38.0	29.3	51.1
500	20	14.1	25.9	24.3	42.3	32.6	56.8
550	22	16.5	28.2	-	-	-	-
600	24	19.8	35.0	29.6	51.2	39.7	68.8

异径短节  
Swaged Nipple

kg

大端公称尺寸  
Large End Nominal Size

DN	NPS	Sch5s	Sch10s	Sch20	Sch30	Sch40s	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
8	1/4	-	0.02	-	0.03	0.03	0.03	-	0.04	0.04	-	-	-	-	-
10	3/8	-	0.04	-	0.04	0.05	0.05	-	0.07	0.07	-	-	-	-	-
15	1/2	0.05	0.07	-	0.08	0.09	0.09	-	0.11	0.11	-	-	-	0.13	0.17
20	3/4	0.07	0.09	-	0.11	0.12	0.12	-	0.16	0.16	-	-	-	0.21	0.27
25	1	0.10	0.17	-	0.19	0.21	0.21	-	0.28	0.28	-	-	-	0.36	0.47
32	1 1/4	0.15	0.26	-	0.28	0.33	0.33	-	0.44	0.44	-	-	-	0.55	0.76
40	1 1/2	0.20	0.33	-	0.39	0.44	0.44	-	0.59	0.59	-	-	-	0.79	1.05
50	2	0.36	0.61	-	0.71	0.86	0.86	-	1.19	1.19	-	-	-	1.76	2.13
65	2 1/2	0.61	0.87	-	1.37	1.48	1.48	-	1.95	1.95	-	-	-	2.55	3.48
80	3	0.85	1.22	-	1.93	2.2	2.2	-	2.98	2.98	-	-	-	4.16	5.39
90	3 1/2	0.97	1.40	-	2.22	2.64	2.64	-	3.63	3.63	-	-	-	-	-
100	4	1.24	1.79	-	2.84	3.53	3.53	-	4.91	4.91	-	6.23	-	7.37	9.02
125	5	2.47	3.03	-	-	5.83	5.83	-	8.29	8.29	-	10.8	-	13.2	15.4
150	6	3.21	3.95	-	-	8.25	8.25	-	12.4	12.4	-	15.8	-	19.7	23.1
200	8	4.57	6.21	10.6	11.7	13.5	13.5	16.8	20.5	20.5	24.1	28.7	32.0	35.2	34.2
250	10	8.11	9.99	15.3	18.7	22.1	22.1	29.8	29.8	35.1	42.0	48.6	56.7	63.0	56.7
300	12	12.0	13.8	19.4	25.4	28.8	31.1	42.5	38.0	51.5	62.3	72.8	81.1	93.0	72.8



REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

焊接和无缝钢管(ASME B36.10M)

Welded and Seamless Steel Pipe(ASME B36.10M)

kg

公称尺寸 Nominal Size		外径 OD	每米重量, kg/m												
DN	NPS	OD	Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
6	1/8	10.3	0.28	—	0.32	0.37	0.37	—	0.47	0.47	—	—	—	—	—
8	1/4	13.7	0.49	—	0.54	0.63	0.63	—	0.80	0.80	—	—	—	—	—
10	3/8	17.1	0.63	—	0.70	0.84	0.84	—	1.10	1.10	—	—	—	—	—
15	1/2	21.3	1.00	—	1.12	1.27	1.27	—	1.62	1.62	—	—	—	1.95	2.55
20	3/4	26.7	1.28	—	1.44	1.69	1.69	—	2.20	2.20	—	—	—	2.90	3.64
25	1	33.4	2.09	—	2.18	2.50	2.50	—	3.24	3.24	—	—	—	4.24	5.45
32	1 1/4	42.2	2.70	—	2.87	3.39	3.39	—	4.47	4.47	—	—	—	5.16	7.77
40	1 1/2	48.3	3.11	—	3.53	4.05	4.05	—	5.41	5.41	—	—	—	7.25	9.56
50	2	60.3	3.93	—	4.48	5.44	5.44	—	7.48	7.48	—	—	—	11.11	13.44
65	2 1/2	73.0	5.26	—	8.04	8.63	8.63	—	11.41	11.41	—	—	—	14.92	20.39
80	3	88.9	6.45	—	9.92	11.29	11.29	—	15.72	15.72	—	—	—	21.35	27.68
90	3 1/2	101.6	7.40	—	11.41	13.57	13.57	—	18.63	18.63	—	—	—	—	—
100	4	114.3	8.36	—	12.91	16.07	16.07	—	22.32	22.32	—	28.32	—	33.54	41.03
125	5	141.3	11.57	—	—	21.77	21.77	—	30.97	30.97	—	40.28	—	49.11	57.43
150	6	168.3	13.48	—	—	28.26	28.26	—	42.56	42.56	—	54.20	—	67.56	79.22
200	8	219.1	19.96	33.31	36.81	42.55	42.55	53.08	64.64	64.64	75.92	90.44	100.9	111.3	107.9
250	10	273.0	27.78	41.77	51.03	60.31	60.31	81.55	81.55	96.01	114.8	133.1	155.2	172.3	155.2
300	12	323.9	36.00	49.73	65.20	73.88	79.73	109.0	97.46	132.1	159.9	187.0	208.1	238.8	187.0
350	14	355.6	54.69	67.90	81.33	81.33	94.55	126.7	107.4	158.1	195.0	224.7	253.6	281.7	—
400	16	406.4	62.64	77.83	93.27	93.27	123.3	160.1	123.3	203.5	245.6	286.7	333.2	365.4	—
450	18	457.0	70.57	87.71	122.4	105.2	155.8	205.7	139.2	254.6	309.6	363.6	408.3	459.4	—
500	20	508	78.55	117.2	155.1	117.2	183.4	247.8	155.1	311.2	381.5	441.5	508.1	564.8	—
550	22	559	86.54	129.1	171.1	129.1	—	294.3	171.1	373.8	451.4	527.0	611.6	672.3	—
600	24	610	94.53	141.1	209.6	141.1	255.4	355.3	187.1	442.1	547.7	640.0	720.2	808.2	—
650	26	660	127.4	202.7	—	152.9	—	—	202.7	—	—	—	—	—	—
700	28	711	137.3	218.7	271.2	164.9	—	—	218.7	—	—	—	—	—	—
750	30	762	147.3	234.7	292.2	176.8	—	—	234.7	—	—	—	—	—	—
800	32	813	157.2	250.6	312.2	188.8	342.9	—	250.6	—	—	—	—	—	—
850	34	864	167.2	266.6	332.1	200.3	364.9	—	266.6	—	—	—	—	—	—
900	36	914	177.0	282.3	351.7	212.6	420.4	—	282.3	—	—	—	—	—	—
950	38	965	—	—	—	224.5	—	—	298.2	—	—	—	—	—	—
1000	40	1016	—	—	—	236.5	—	—	314.2	—	—	—	—	—	—
1050	42	1067	—	—	—	248.5	—	—	330.2	—	—	—	—	—	—
1100	44	1118	—	—	—	261.5	—	—	346.2	—	—	—	—	—	—
1150	46	1168	—	—	—	272.3	—	—	351.8	—	—	—	—	—	—
1200	48	1219	—	—	—	284.2	—	—	377.8	—	—	—	—	—	—

REFERENCED WEIGHT LISTS

参考重量表  
Referenced Weight Lists

不锈钢管(ASME B36.19M)

Stainless Steel Pipe(ASME B36.19M)

kg

公称尺寸 Nominal Size		外径 OD	Sch5s		Sch10s		Sch40s		Sch80s	
DN	NPS		T	kg/m	T	kg/m	T	kg/m	T	kg/m
6	1/8	10.3	-	-	1.24	0.28	1.73	0.37	2.41	0.47
8	1/4	13.7	-	-	1.65	0.49	2.24	0.63	3.02	0.80
10	3/8	17.1	-	-	1.65	0.63	2.31	0.84	3.20	1.10
15	1/2	21.3	1.65	0.80	2.11	1.00	2.77	1.27	3.73	1.62
20	3/4	26.7	1.65	1.03	2.11	1.28	2.87	1.69	3.91	2.20
25	1	33.4	1.65	1.30	2.77	2.09	3.38	2.50	4.55	3.24
32	1 1/4	42.2	1.65	1.65	2.77	2.70	3.56	3.39	4.85	4.47
40	1 1/2	48.3	1.65	1.91	2.77	3.11	3.68	4.05	5.08	5.41
50	2	60.3	1.65	2.40	2.77	3.93	3.91	5.44	5.54	7.48
65	2 1/2	73.0	2.11	3.69	3.05	5.26	5.16	8.63	7.01	11.41
80	3	88.9	2.11	4.51	3.05	6.45	5.49	11.29	7.62	15.27
90	3 1/2	101.6	2.11	5.18	3.05	7.40	5.74	13.57	8.08	18.63
100	4	114.3	2.11	5.84	3.05	8.36	6.02	16.07	8.56	22.32
125	5	141.3	2.77	9.47	3.40	11.57	6.55	21.77	9.53	30.97
150	6	168.3	2.77	11.32	3.40	13.48	7.11	28.26	10.97	42.56
200	8	219.1	2.77	14.79	3.76	19.96	8.18	42.55	12.70	64.64
250	10	273.0	3.40	22.63	4.19	27.78	9.27	60.31	12.70	96.01
300	12	323.9	3.96	31.25	4.57	36.00	9.53	73.88	12.70	132.08
350	14	355.6	3.96	34.36	4.78	41.30	-	-	-	-
400	16	406.4	4.19	41.56	4.78	47.29	-	-	-	-
450	18	457.0	4.19	46.81	4.78	53.26	-	-	-	-
500	20	508	4.78	59.25	5.54	68.61	-	-	-	-
550	22	559	4.78	65.24	5.54	75.53	-	-	-	-
600	24	610	5.54	82.47	6.35	94.45	-	-	-	-
750	30	762	6.35	118.31	7.92	147.36	-	-	-	-

# CALCULATION EQUATION AND CONVERSION OF UNIT

## 常用计算公式及单位换算 Calculation equation and conversion of unit

- 1) 钢管重量计算公式  
Equation for calculation the weight of steel pipes

$$W = 0.02466 \quad T (OD - T)$$

式中:  
where:

$W$  — 每米钢管的重量, kg/m;  
pipe weight per meter, kg/m;  
 $T$  — 钢管壁厚, mm;  
thickness of the pipe, mm;  
 $OD$  — 钢管外径, mm;  
outer diameter of the pipe, mm。

- 2) 90° 弯头/弯管重量计算公式  
Equation for calculation the weight of 90° elbows

$$W = 9.685 \times 10^{-6} R (OD^2 - ID^2)$$

式中:  
where:

$W$  — 90° 弯头/弯管的重量, kg;  
weight of the elbow and/or bend, kg;  
 $R$  — 弯头/弯管曲率半径, mm;  
radius of the elbow and/or bend, mm;  
 $OD$  — 弯头/弯管外径, mm;  
outer diameter of the elbow and/or bend, mm;  
 $ID$  — 弯头/弯管内径, mm;  
inter diameter of the elbow and/or bend, mm。

- 3) 单位换算  
Conversion between units

长度 length	1 mm = 0.03937 in	1 in = 25.4 mm
	1 m = 3.2808 ft	1 ft = 12 in = 0.3048 m
面积 area	1 cm <sup>2</sup> = 0.155 in <sup>2</sup>	1 in <sup>2</sup> = 6.452 cm <sup>2</sup>
	1 m <sup>2</sup> = 10.764 ft <sup>2</sup>	1 ft <sup>2</sup> = 0.093 m <sup>2</sup>
体积 volume	1 cm <sup>3</sup> = 0.061 in <sup>3</sup>	1 in <sup>3</sup> = 16.3871 cm <sup>3</sup>
	1 m <sup>3</sup> = 35.315 ft <sup>3</sup>	1 ft <sup>3</sup> = 0.0283 m <sup>3</sup>
质量 weight	1 kg = 2.2046 lb	1 lb = 0.4536 kg
密度 density	1 kg/m <sup>3</sup> = 0.0624 lb/ft <sup>3</sup>	1 lb/ft <sup>3</sup> = 16.02 kg/m <sup>3</sup>
压力 pressure	1 MPa = 0.145 ksi = 145 psi	1 psi = 0.006895 MPa
力 force	1 N = 0.225 lbf	1 lbf = 4.45 N
功 power	1 J = 0.73756 ft · lbf	1 ft · lbf = 1.35582 J
温度 temperature	n°C = ( 9/5 · n + 32 ) ° F	n°F = [ 5/9 · (n - 32) ] ° C