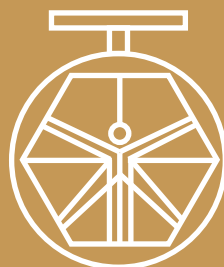


**GROUP 1000
FITTINGS
CARBON
STEEL
MOD.
1100A/120**



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Kowloon HONG KONG

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Working pressure 1.0Mpa 1.6Mpa

Material construction in WCB Working pressure 1.0Mpa 1.6Mpa paint Min 250 Mic



TECHNICAL DATA

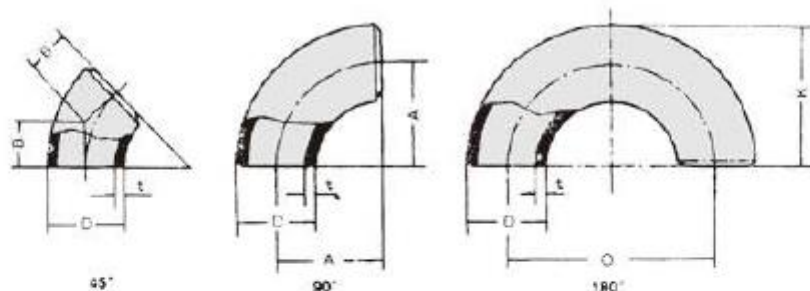
All the components can be substituted with equivalent or higher-class materials.

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FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9



Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		
	Outside Diameter at Bevel O 坡口处外径 O		Center End A/B 中心至端面 A/B Center to Center O 中心至中心 O Back to Face K 顶端至端面 K mm
	inch	mm	
1/2	0.840	21.3	A=38.1 B=15.7 O=76.2 K=47.8
3/4	1.050	26.7	A=38.1 B=19.1 O=76.2 K=50.8
1	1.315	33.4	A=38.1 B=22.4 O=76.2 K=55.6
1 1/4	1.660	42.2	A=47.8 B=25.4 O=95.3 K=69.9
1 1/2	1.900	48.3	A=57.2 B=28.4 O=114.3 K=82.6
2	2.375	60.3	A=76.2 B=35.1 O=152.4 K=106.4
2 1/2	2.875	73.0	A=95.3 B=44.5 O=190.5 K=131.8
3	3.500	88.9	A=114.3 B=50.8 O=228.6 K=158.8

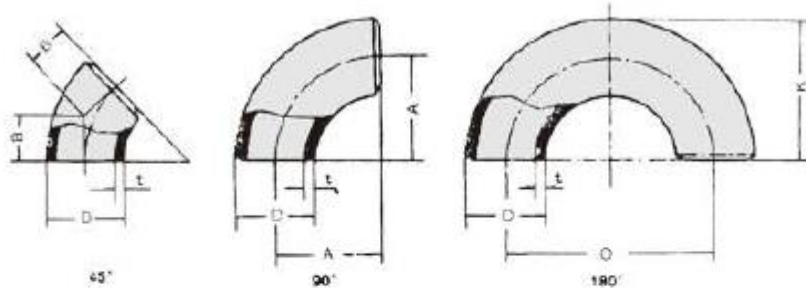
Sch. No.	Wall Thickness t 壁厚 t		Approx. Weight 理论重量		
	t		45° kg	90° kg	180° kg
	inch	mm			
Std/40	0.109	2.77	0.04	0.08	0.16
XS/80	0.147	3.73	0.05	0.10	0.20
Std/40	0.113	2.87	0.04	0.08	0.16
XS/80	0.154	3.91	0.07	0.14	0.28
Std/40	0.133	3.38	0.08	0.15	0.30
XS/80	0.179	4.55	0.10	0.19	0.38
160	0.250	6.35	0.13	0.25	0.50
Std/40	0.140	3.56	0.13	0.25	0.50
XS/80	0.191	4.85	0.17	0.33	0.66
160	0.250	6.35	0.21	0.42	0.84
Std/40	0.145	3.68	0.18	0.36	0.72
XS/80	0.200	5.08	0.25	0.49	0.98
160	0.281	7.14	0.33	0.65	1.30
XXS	0.400	10.15	0.43	0.86	1.72
Std/40	0.154	3.91	0.33	0.65	1.30
XS/80	0.218	5.54	0.45	0.90	1.80
160	0.344	8.74	0.67	1.33	2.66
XXS	0.436	11.07	0.81	1.61	3.22
Std/40	0.203	5.15	0.65	1.29	2.58
XS/80	0.276	7.01	0.86	1.71	3.42
160	0.375	9.53	1.12	2.23	4.46
XXS	0.552	14.02	1.53	3.05	6.10
Std/40	0.216	5.49	1.02	2.03	4.06
XS/80	0.300	7.62	1.37	2.74	5.48
160	0.438	11.13	1.92	3.83	7.66
XXS	0.600	15.24	2.49	4.97	9.94

TECHNICAL DATA

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9



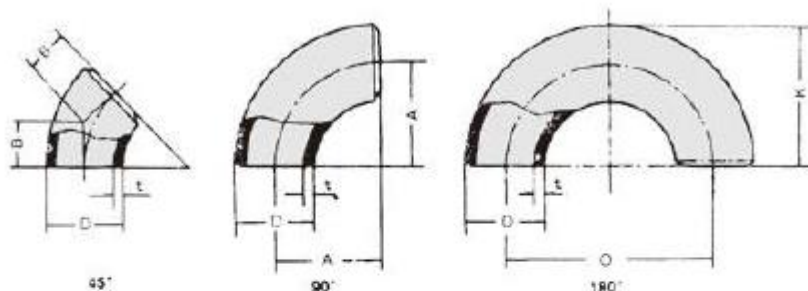
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness:t 壁厚:t			Approx. Weight 理论重量		
	Outside Diameter at Bevel:D 坡口处外径:D		Center End:A/B 中心至端面:A/B Center to Center:O 中心至中心:O Back to Face:K 顶端至端面:K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
4	4.500	114.3	A=152.4 B=63.5 O=304.8 K=209.6	Std/40 XS/80 120 160 XXS	0.237 0.337 0.438 0.531 0.674	6.02 8.56 11.13 13.49 17.12	1.93 2.67 3.39 4.02 4.91	3.65 5.34 6.78 8.03 9.82	7.70 10.7 13.6 16.1 19.6
5	5.563	141.3	A=190.5 B=79.2 O=381.0 K=261.9	Std/40 XS/80 120 160 XXS	0.258 0.375 0.500 0.625 0.750	6.55 9.53 12.70 15.88 19.05	3.26 4.64 6.05 7.35 8.60	6.51 9.27 12.1 14.7 17.2	13.0 18.5 24.2 29.4 34.4
6	6.625	168.3	A=228.6 B=95.3 O=457.2 K=312.7	Std/40 XS/80 120 160 XXS	0.260 0.432 0.562 0.719 0.864	7.11 10.97 14.27 18.25 21.95	5.05 7.65 9.75 12.1 14.2	10.1 15.3 19.5 24.2 28.4	20.2 30.6 39.0 48.4 56.4
8	8.625	219.1	A=304.8 B=127.0 O=609.6 K=414.3	20 30 Std/40 60 XS/80 100 120 140 160 XXS	0.250 0.277 0.322 0.406 0.500 0.594 0.719 0.812 0.906 0.875	6.35 7.04 8.18 10.31 12.70 15.09 18.25 20.62 23.01 22.23	7.95 8.80 10.2 12.7 15.5 18.2 21.7 24.2 26.7 25.9	15.9 17.6 20.4 25.4 30.9 36.3 43.3 48.3 53.3 51.7	31.8 35.2 40.8 50.8 61.8 72.6 86.6 96.6 107 103
10	10.750	273.0	A=381.0 B=158.8 O=762.0 K=517.7	20 30 Std/40 XS/60 80 100 120 140/XXS 160	0.250 0.307 0.365 0.500 0.594 0.719 0.844 1.000 1.125	6.35 7.60 9.27 12.70 15.09 18.25 21.44 25.40 28.58	12.5 15.3 18.1 24.4 28.7 34.3 39.8 46.4 51.5	25.0 30.5 36.1 48.8 57.3 68.6 79.5 92.8 103	50.0 61.0 72.2 97.6 115 137 169 186 206

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9



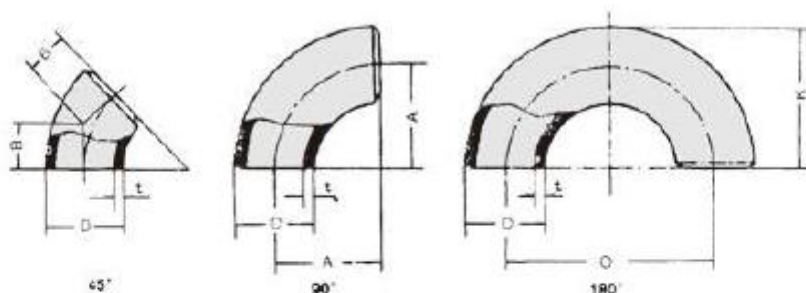
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Wall Thickness t 壁厚 t		Approx. Weight 理论重量			
	Outside Diameter at Bevel: D 坡口处外径: D			Sch. No.	t	45° kg	90° kg	180° kg	
	inch	mm							
12	12.750	323.9	A=457.2 B=190.5 O=914.4 K=619.3	20	0.250	6.35	17.9	35.7	71.4
				30	0.330	8.38	23.4	45.8	93.6
				Std	0.375	9.53	26.5	53.1	106
				40	0.406	10.31	28.7	57.8	115
				XS	0.500	12.70	35.0	70.0	140
				60	0.562	14.27	39.1	76.2	156
				80	0.688	17.46	47.4	94.7	169
				100	0.844	21.44	57.5	115	230
				120/XXS	1.000	25.40	67.0	134	268
				140	1.125	28.58	74.5	149	298
14	14.000	355.6	A=533.4 B=232.3 O=1066.8 K=711.2	160	1.312	33.32	85.5	171	342
				10	0.250	6.35	22.9	45.5	91.6
				20	0.312	7.92	28.5	56.9	114
				Std/30	0.375	9.53	34.1	68.1	136
				40	0.438	11.13	39.6	79.2	156
				XS	0.500	12.70	45.0	90.0	180
				60	0.594	15.09	53.0	106	212
				80	0.750	19.05	66.0	132	264
				100	0.938	23.83	81.5	163	326
				120	1.094	27.79	94.0	188	376
16	16.000	406.4	A=609.6 B=254.0 O=1219.2 K=812.8	140	1.250	31.75	106	212	424
				160	1.406	35.71	118	236	472
				10	0.250	6.35	30.0	60.0	120
				20	0.312	7.92	37.3	74.5	149
				Std/30	0.375	9.53	44.7	89.3	179
				XS/40	0.500	12.70	59.0	118	236
				60	0.656	16.66	76.5	153	306
				80	0.844	21.44	97.5	195	390
				100	1.031	26.19	118	235	470
				120	1.219	30.96	137	274	546
18	18.000	457.0	A=685.8 B=295.8 O=1371.6 K=914.4	140	1.438	36.53	160	319	638
				160	1.594	40.49	175	350	700
				10	0.250	6.35	38.1	76.1	152
				20	0.312	7.92	47.3	94.5	189
				30	0.438	11.13	66.0	132	264
				Std	0.375	9.53	56.5	113	226
				XS	0.500	12.70	75.0	150	300
				40	0.562	14.27	84.0	168	336
				60	0.750	19.05	111	222	444
				80	0.938	23.83	137	274	548
				100	1.156	29.36	167	334	668
				120	1.375	34.93	196	392	784
				140	1.562	39.67	220	440	880
				160	1.781	45.24	246	492	984

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9

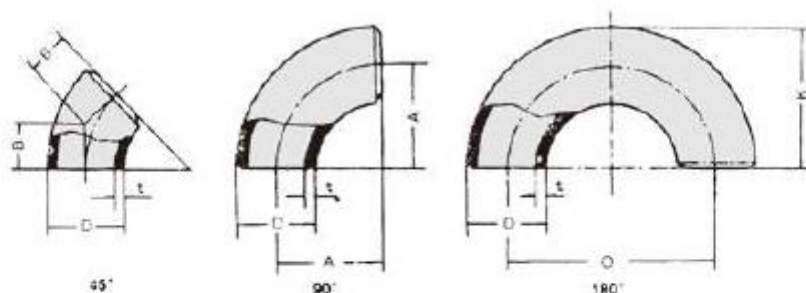


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness:t 壁厚:t			Approx. Weight 理论重量		
	Outside Diameter at Bevel:D 坡口处外径:D		Center End:A/B 中心至端面:A/B Center to Center:O 中心至中心:O Back to Face:K 顶端至端面:K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
20	20.000	508.0	A=762.0 B=317.5 O=1524.0 K=1016.0	10 Std/20 XS/30 40 60 80 100 120 140 160	0.250 0.375 0.500 0.594 0.812 1.031 1.281 1.500 1.750 1.969	6.35 9.63 12.70 15.09 20.62 26.19 21.54 38.10 44.45 50.01	47.0 70.0 93.0 110 149 186 229 264 305 338	94.0 140 186 219 297 372 457 528 609 676	188 280 372 438 594 744 914 1056 1218 1352
22	22.000	559.0	A=838.2 B=342.9 O=1676.4 K=1117.6	10 Std/20 XS/30 60 80 100 120 140 160	0.250 0.375 0.500 0.675 1.125 1.375 1.625 1.875 2.125	6.35 9.53 12.70 17.23 28.58 34.93 41.28 47.63 53.98	57.0 85.0 113 194 248 297 347 395 443	114 170 225 367 492 594 694 790 885	228 340 450 774 984 1188 1388 1580 1770
24	24.000	610.0	A=914.4 B=381.0 O=1828.8 K=1219.2	10 Std/20 XS 30 40 60 80 100 120 140 160	0.250 0.375 0.500 0.562 0.688 0.969 1.219 1.531 1.812 2.062 2.344	6.35 9.53 12.70 14.27 17.48 24.61 30.96 38.89 46.02 52.37 59.34	68 101 135 161 183 255 317 393 460 515 580	136 202 269 301 366 510 634 786 919 1033 1160	272 404 538 602 732 1020 1268 1572 1838 2060 2320
26	26.000	660.0	A=990.6 B=406.4	10 Std XS/20	0.312 0.375 0.500	7.92 9.53 12.70	99 119 158	198 238 316	

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9

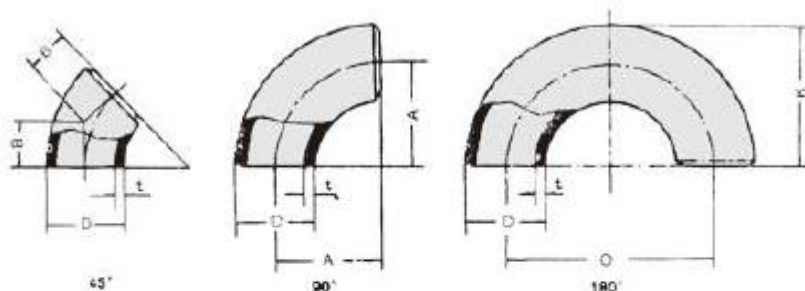


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness:t 壁厚t			Approx. Weight 理论重量		
	Outside Diameter at Bevel:O 坡口处外径:O		Center End A/B 中心至端面 A/B Center to Center:O 中心至中心:O Back to Face:K 顶端至端面:K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
28	28.000	711.0	A=1066.8 B=469.9	10 Std XS/20 30	0.312 0.375 0.500 0.625	7.92 9.53 12.70 15.88	115 138 184 228	230 276 367 456	
30	30.000	762.0	A=1143.0 B=469.9	10 Std XS/20 30	0.312 0.375 0.500 0.625	7.92 9.53 12.70 15.88	132 159 211 262	264 318 421 524	
32	32.000	813.0	A=1219.2 B=501.7	10 Std XS/20 30 40	0.312 0.375 0.500 0.625 0.688	7.92 9.53 12.70 15.88 17.48	151 181 240 299 328	301 362 480 597 656	
34	34.000	864.0	A=1295.4 B=533.4	10 Std XS/20 30 40	0.312 0.375 0.500 0.625 0.688	7.92 9.53 12.70 15.88 17.48	170 204 271 338 371	340 408 542 675 742	
36	36.000	914.0	A=1371.6 B=565.2	10 Std XS/20 30 40	0.312 0.375 0.500 0.625 0.750	7.92 9.53 12.70 15.88 19.05	191 229 304 379 453	381 458 608 758 906	
38	38.000	965.0	A=1448.0 B=600.0	Std XS	0.375 0.500	9.53 12.7	257 341.5	514 683	1028 1366
40	40.000	1016.0	A=1524.0 B=632.0	Std XS	0.375 0.500	9.53 12.7	285 378.5	570 757	1140 1514

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Elbows Long Radius ASME/ANSI B16.9



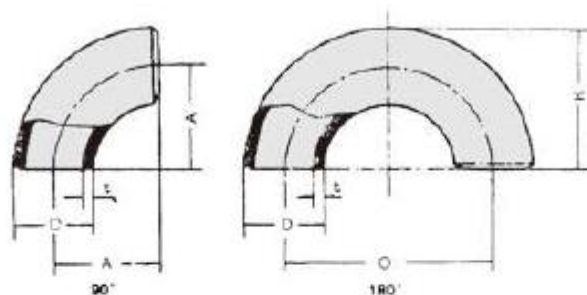
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness: t 壁厚: t			Approx. Weight 理论重量		
	Outside Diameter at Bevel: D 坡口处外径: D		Center End: A/B 中心至端面: A/B Center to Center: C 中心至中心: C Back to Face: K 顶端至端面: K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
42	42.000	1067.0	A=1600.0 B=960.0	Std XS	0.375 0.500	9.53 12.7	314.5 416	625 836	1256 1672
44	44.000	1118.0	A=1676.0 B=995.0	Std XS	0.375 0.500	9.53 12.7	345.5 459	691 918	1362 1836
46	46.000	1168.0	A=1753.0 B=1027.0	Std XS	0.375 0.500	9.53 12.7	375.5 501.5	753 1003	1506 2006
48	48.000	1219.0	A=1829.0 B=1059.0	Std XS	0.375 0.500	9.53 12.7	411 546	822 1092	1644 2184

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Short Radius ASME/ANSI B16.28



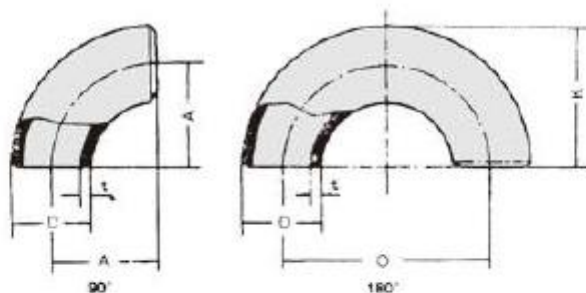
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness 1 壁厚 1			Approx. Weight 理论重量	
	Outside Diameter at Bevel O 坡口处外径 O		Center End A/B 中心至端面 A/B Center to Center O 中心至中心 O Back to Face K 顶端至端面 K mm	Sch. No.	1		90° kg	180° kg
	inch	mm			inch	mm		
1	1.315	33.4	A=25.4 O=50.8 K=41.1	Std/40 XS/80 160 XXS	0.133 0.179 0.250 0.356	3.36 4.55 6.35 9.09	0.10 0.13 0.17 0.22	0.20 0.26 0.34 0.44
1 1/4	1.660	42.2	A=31.8 O=63.5 K=52.3	Std/40 XS/80 160 XXS	0.140 0.191 0.250 0.382	3.56 4.85 6.35 9.70	0.17 0.22 0.28 0.39	0.34 0.44 0.56 0.78
1 1/2	1.900	48.3	A=38.1 O=76.2 K=62.0	Std/40 XS/80 160 XXS	0.145 0.200 0.281 0.400	3.68 5.08 7.14 10.15	0.24 0.32 0.43 0.57	0.48 0.64 0.86 1.14
2	2.375	60.3	A=50.8 O=101.6 K=81.0	Std/40 XS/80 160 XXS	0.154 0.218 0.344 0.436	3.91 5.54 8.74 11.07	0.45 0.60 0.89 1.07	0.86 1.20 1.78 2.14
2 1/2	2.875	73.0	A=63.5 O=127.0 K=100.1	Std/40 XS/80 160 XXS	0.203 0.276 0.375 0.552	5.16 7.01 9.53 14.02	0.86 1.14 1.49 2.03	1.72 2.28 2.98 4.06
3	3.500	88.9	A=76.2 O=152.4 K=120.7	Std/40 XS/80 160 XXS	0.216 0.300 0.438 0.600	5.49 7.62 11.13 15.24	1.35 1.83 2.56 3.31	2.70 3.66 5.12 6.62
4	4.500	114.3	A=101.6 O=203.2 K=158.8	Std/40 XS/80 120 160 XXS	0.237 0.337 0.438 0.531 0.674	6.02 8.56 11.13 13.49 17.12	2.57 3.56 4.52 5.35 6.54	5.14 7.12 9.04 10.70 13.08
5	5.563	141.3	A=127.0 O=254.0 K=196.9	Std/40 XS/80 120 160 XXS	0.256 0.375 0.500 0.625 0.750	6.55 9.53 12.70 15.88 19.05	4.34 6.18 8.04 9.80 11.45	8.68 12.40 16.10 19.60 22.90

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Short Radius ASME/ANSI B16.28



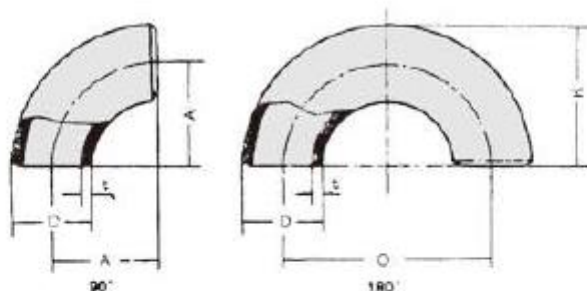
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Wall Thickness: t 壁厚: t		Approx. Weight 理论重量				
	Outside Diameter at Bevel D 坡口处外径 D		Sch. No.	t		90° kg	180° kg		
	inch	mm		inch	mm				
6	6.625	169.3		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K					
				A=152.4 O=304.8 K=236.5					
8	8.625	219.1		A=203.2 O=406.4 K=312.7					
10	10.750	273.0		A=254.0 O=508.0 K=390.7					
12	12.750	323.9		A=304.8 O=609.6 K=466.9					

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Short Radius ASME/ANSI B16.28



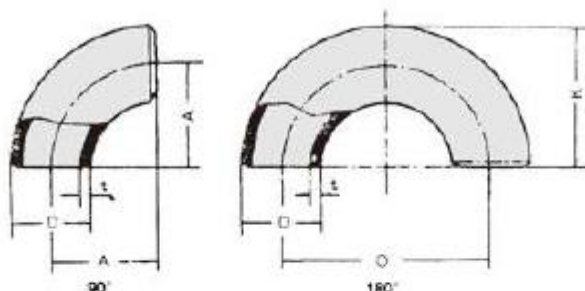
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness t 壁厚 t		Approx. Weight 理论重量		
	Outside Diameter at Bevel 坡口处外径 D		Center: End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面 K mm	Sch. No.	t		90° kg	180° kg
	inch	mm			inch	mm		
14	14.000	355.6	A=355.6 O=711.2 K=533.4	10	0.250	6.35	30.6	61.2
				20	0.312	7.92	37.9	75.8
				Std/30	0.375	9.53	45.4	90.8
				40	0.438	11.13	52.8	106
				XS	0.500	12.70	60.0	120
				60	0.594	15.09	70.6	141
				80	0.750	19.05	88.3	177
				100	0.938	23.83	109	218
				120	1.094	27.79	125	250
				140	1.250	31.75	142	284
				160	1.406	35.71	157	314
16	16.000	406.4	A=406.4 O=812.8 K=609.6	10	0.250	6.35	40.0	80.0
				20	0.312	7.92	49.7	99.0
				Std/30	0.375	9.53	59.5	119
				XS/40	0.500	12.70	78.7	157
				60	0.656	16.66	102	204
				80	0.844	21.44	130	260
				100	1.031	26.19	157	314
				120	1.219	30.96	183	366
				140	1.438	36.53	213	425
				160	1.594	40.49	233	466
18	18.000	457.0	A=457.0 O=914.4 K=695.8	10	0.250	6.35	50.7	101
				20	0.312	7.92	63.0	126
				Std	0.375	9.53	75.6	151
				30	0.438	11.13	87.9	176
				40	0.562	14.27	112	224
				XS	0.750	19.05	148	296
				60	0.500	12.70	100	200
				80	0.938	23.83	183	366
				100	1.156	29.36	222	444
				120	1.375	34.93	261	522
				140	1.562	39.67	293	586
				160	1.781	45.24	330	660
20	20.000	508.0	A=508.0 O=1016.0 K=762.0	10	0.250	6.35	62.7	123
				Std/20	0.375	9.53	93.4	187
				XS/30	0.500	12.70	124	248
				40	0.594	15.09	146	292
				60	0.812	20.62	198	396
				80	1.031	26.19	248	496
				100	1.281	32.54	304	608
				120	1.500	38.10	352	704
				140	1.750	44.45	405	810
				160	1.969	50.01	451	902

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Elbows Short Radius ASME/ANSI B16.28



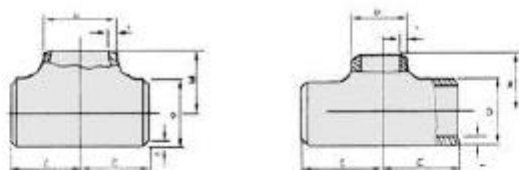
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness: t 壁厚: t			Approx. Weight 理论重量	
	Outside Diameter at Bevel: O 坡口处外径: O		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Sch. No.	t		90° kg	180° kg
	inch	mm			inch	mm		
22	22.000	559	A=558.8 O=1117.6 K=838.3	10 Std/20 XS/30 60 80 100 120 140 160	0.250 0.375 0.500 0.875 1.125 1.375 1.625 1.875 2.125	6.35 9.53 12.70 22.23 28.58 34.93 41.28 47.83 53.98	75.9 113 150 258 328 396 462 527 590	152 226 300 516 656 792 924 1054 1180
24	24.000	610	A=609.6 O=1219.2 K=914.4	10 Std/20 30 40 60 XS 80 100 120 140 160	0.250 0.375 0.562 0.688 0.969 0.500 1.219 1.531 1.812 2.062 2.344	6.35 9.53 14.27 17.48 24.61 12.70 30.96 38.89 46.02 52.37 59.54	90.5 135 201 244 340 179 423 524 612 680 773	181 270 402 488 680 358 846 1048 1224 1378 1546

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)

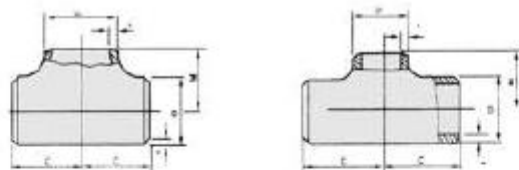


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pes approx weight							
DN	INCH	D ₁ x D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
20 x 20	3/4 x 3/4	25 x 25 26.7 x 26.7	29	29	0.07 0.08	0.10 0.11	0.12 0.13	0.13 0.15	0.13 0.15	0.16 0.18	0.16 0.18	—
20 x 15	3/4 x 1/2	25 x 18 26.7 x 21.3	29	29	0.06 0.07	0.09 0.10	0.11 0.12	0.12 0.13	0.12 0.13	0.15 0.16	0.15 0.16	—
25 x 25	1 x 1	32 x 32 33.4 x 33.4	38	38	0.11 0.12	0.19 0.20	0.21 0.22	0.23 0.25	0.23 0.25	0.30 0.32	0.30 0.32	—
25 x 20	1 x 3/4	32 x 35 33.4 x 26.7	38	38	0.10 0.11	0.18 0.19	0.20 0.21	0.22 0.24	0.22 0.24	0.28 0.31	0.28 0.31	—
25 x 15	1 x 1/2	32 x 18 33.4 x 21.3	38	38	0.09 0.10	0.17 0.18	0.19 0.20	0.21 0.23	0.21 0.23	0.27 0.30	0.27 0.30	—
32 x 32	1.1/4 x 1.1/4	38 x 38 42.2 x 42.2	48	48	0.19 0.20	0.36 0.39	0.39 0.45	0.42 0.52	0.42 0.52	0.63 0.73	0.63 0.73	—
32 x 25	1.1/4 x 1	38 x 32 42.2 x 33.4	48	48	0.18 0.19	0.33 0.35	0.37 0.39	0.40 0.42	0.40 0.42	0.58 0.68	0.58 0.68	—
32 x 20	1.1/4 x 3/4	38 x 35 42.2 x 26.7	48	46	0.17 0.18	0.31 0.32	0.34 0.36	0.38 0.40	0.38 0.40	0.55 0.65	0.55 0.65	—
32 x 15	1.1/4 x 1/2	38 x 18 42.2 x 21.3	48	46	0.16 0.17	0.30 0.31	0.33 0.35	0.36 0.38	0.36 0.38	0.52 0.62	0.52 0.62	—
40 x 40	1.1/2 x 1.1/2	45 x 45 48.3 x 48.3	57	57	0.35 0.45	0.59 0.69	0.65 0.76	0.78 0.88	0.78 0.88	1.08 1.18	1.08 1.18	—
40 x 32	1.1/2 x 1.1/4	45 x 38 48.3 x 42.2	57	57	0.32 0.42	0.54 0.65	0.63 0.75	0.72 0.82	0.72 0.82	0.99 1.09	0.99 1.09	—
40 x 25	1.1/2 x 1	45 x 32 48.3 x 33.4	57	57	0.27 0.37	0.45 0.65	0.52 0.73	0.60 0.80	0.60 0.80	0.83 1.08	0.83 1.08	—
40 x 20	1.1/2 x 3/4	45 x 25 48.3 x 26.7	57	57	0.26 0.36	0.44 0.64	0.51 0.66	0.58 0.68	0.58 0.68	0.80 1.00	0.80 1.00	—
40 x 15	1.1/2 x 1/2	45 x 18 48.3 x 21.3	57	57	0.25 0.35	0.42 0.62	0.48 0.64	0.56 0.66	0.56 0.66	0.78 0.78	0.78 0.78	—
50 x 50	2 x 2	57 x 57 60.3 x 60.3	64	64	0.49 0.50	1.03 1.05	1.11 1.13	1.15 1.18	1.15 1.18	1.65 1.67	1.65 1.67	—
50 x 40	2 x 1.1/2	57 x 45 60.3 x 48.3	64	60	0.44 0.45	0.93 0.95	1.01 1.03	1.04 1.06	1.04 1.06	1.48 1.50	1.48 1.50	—
50 x 32	2 x 1.1/4	57 x 38 60.3 x 42.2	64	57	0.40 0.43	0.81 0.89	0.88 0.94	0.98 1.00	0.98 1.00	1.37 1.42	1.37 1.42	—
50 x 25	2 x 1	57 x 32 60.3 x 33.4	64	51	0.39 0.40	0.72 0.84	0.83 0.88	0.92 0.94	0.92 0.94	1.31 1.34	1.31 1.34	—
50 x 20	2 x 3/4	57 x 25 60.3 x 33.4	64	44	0.37 0.38	0.70 0.80	0.77 0.85	0.87 0.90	0.87 0.90	1.24 1.27	1.24 1.27	—
65 x 65	2.1/2 x 2.1/2	76 x 76 73.0 x 73.0	76	76	0.87 0.86	1.25 1.21	1.73 1.65	2.12 2.10	2.12 2.10	2.88 2.80	2.88 2.80	—
65 x 50	2.1/2 x 2	76 x 57 73.0 x 60.3	76	70	0.82 0.81	1.17 1.16	1.54 1.49	2.00 1.98	2.00 1.98	2.70 2.65	2.74 2.69	—
65 x 40	2.1/2 x 1.1/2	75 x 45 73.0 x 48.3	76	67	0.77 0.76	1.11 1.10	1.41 1.38	1.89 1.88	1.89 1.88	2.56 2.55	2.56 2.55	—
65 x 32	2.1/2 x 1.1/4	76 x 38 73.0 x 42.0	76	64	0.75 0.74	1.10 1.08	1.35 1.30	1.80 1.89	1.80 1.89	2.50 2.25	2.50 2.25	—
65 x 25	2.1/2 x 1	76 x 32 73.0 x 33.4	76	57	0.76 0.70	1.10 1.07	1.34 1.28	1.86 1.81	1.86 1.81	2.53 2.08	2.53 2.08	—

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)

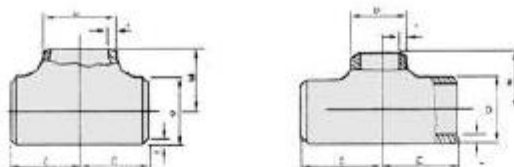


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pes approx weight							
DN	INCH	D ₁ x D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
80 x 80	3 x 3	89 x 89	86	86	1.16	1.68	2.21	3.02	3.02	4.19	4.19	—
80 x 65	3 x 2 1/2	89 x 57 88.9 x 73.0	86	83	1.11	1.62	2.13	2.89	2.89	4.02	4.02	—
80 x 50	3 x 2	89 x 57 88.9 x 60.3	86	76	1.06	1.53	2.05	2.76	2.76	3.81	3.81	—
80 x 40	3 x 1 1/2	89 x 45 88.9 x 48.3	86	73	1.01	1.49	1.98	2.67	2.67	3.70	3.70	—
80 x 32	3 x 1 1/4	89 x 38 88.9 x 42.2	86	70	1.03	1.50	2.01	2.69	2.69	3.73	3.73	—
90 x 90	3 1/2 x 3 1/2	101.6 x 101.6	95	95	1.00	1.48	1.97	2.65	2.65	3.68	3.68	—
90 x 80	3 1/2 x 3	101.6 x 88.9	95	92	1.00	1.45	1.95	2.60	2.60	3.60	3.60	—
90 x 65	3 1/2 x 2 1/2	101.6 x 73.0	95	89	1.33	1.92	2.53	3.61	3.61	5.08	5.08	—
90 x 50	3 1/2 x 2	101.6 x 60.3	95	83	1.26	1.82	2.41	3.43	3.43	4.83	4.83	—
90 x 40	3 1/2 x 1 1/2	101.6 x 48.3	95	79	1.22	1.76	2.35	3.32	3.32	4.67	4.67	—
100 x 100	4 x 4	108 x 108 114.3 x 114.3	105	105	1.20	1.73	2.31	3.25	3.25	4.57	4.57	—
100 x 90	4 x 3 1/2	114.3 x 101.6	105	102	1.17	1.70	2.26	3.21	3.21	4.51	4.51	—
100 x 80	4 x 3	108 x 89 114.3 x 88.9	105	98	1.66	2.41	3.02	4.75	4.75	6.75	6.75	8.78
100 x 65	4 x 2 1/2	108 x 76 114.3 x 73.0	105	95	1.75	2.54	3.26	5.01	5.01	7.12	7.12	9.26
100 x 50	4 x 2	108 x 57 114.3 x 60.3	105	89	1.70	2.46	3.19	4.85	4.85	6.89	6.89	8.96
100 x 40	4 x 1 1/2	108 x 45 114.3 x 48.3	105	86	1.55	2.24	3.16	4.42	4.42	6.27	6.27	8.15
125 x 125	5 x 5	133 x 133 141.3 x 141.3	124	124	1.61	2.33	3.21	4.60	4.60	6.52	6.52	8.48
125 x 100	5 x 4	133 x 108 141.3 x 114.3	124	117	1.53	2.21	3.09	4.36	4.36	6.50	6.50	8.45
125 x 90	5 x 3 1/2	141.3 x 101.6	124	114	1.60	2.31	3.11	4.56	4.56	6.50	6.50	8.45
125 x 80	5 x 3	133 x 89 141.3 x 88.9	124	111	1.51	2.19	3.08	4.32	4.32	6.13	6.13	7.97
125 x 65	5 x 2 1/2	133 x 76 141.3 x 73.0	124	108	1.57	2.29	3.19	4.41	4.41	6.12	6.12	7.95
125 x 50	5 x 2	133 x 57 141.3 x 60.3	124	105	1.50	2.09	2.92	4.22	4.22	6.03	6.06	7.88
150 x 150	6 x 6	159 x 159 168.3 x 168.3	143	143	1.55	2.24	3.19	4.00	4.00	6.02	6.04	9.11
150 x 125	6 x 5	159 x 133 168.3 x 141.3	143	137	3.18	3.91	6.17	7.53	7.53	10.9	10.9	16.4
150 x 100	6 x 4	159 x 108 168.3 x 114.3	143	130	3.37	4.14	6.31	7.98	7.98	11.6	11.6	15.4
150 x 90	6 x 3 1/2	168.3 x 101.6	143	127	3.03	3.73	5.76	7.20	7.20	10.4	10.4	13.9
150 x 80	6 x 3	159 x 89 168.3 x 88.9	143	124	3.15	3.90	5.91	7.52	7.52	10.8	10.8	14.5
150 x 65	6 x 2 1/2	159 x 76 168.3 x 73.0	143	121	3.09	3.83	5.83	7.39	7.39	10.6	10.6	14.2
					2.90	3.59	5.42	6.92	6.92	10.0	10.0	13.3
					3.02	3.74	5.71	7.21	7.21	10.4	10.4	13.8
					2.85	3.59	5.40	6.92	6.92	10.0	10.0	13.3
					3.00	3.73	5.71	7.20	7.20	10.4	10.4	13.8
					2.80	3.58	5.38	6.92	6.92	10.0	10.0	13.3
					3.92	3.73	5.70	7.20	7.20	10.4	10.4	13.8
					4.09	5.03	8.91	10.5	10.5	16.2	16.2	21.0
					4.32	5.31	9.10	11.1	11.1	17.1	17.1	22.2
					3.84	4.73	8.33	9.88	9.88	15.2	15.2	19.8
					4.13	5.08	9.01	10.6	10.6	16.3	16.3	21.3
					3.76	4.64	8.21	9.70	9.70	14.9	14.9	19.3
					3.95	4.87	8.55	10.2	10.2	15.6	15.6	20.3
					3.91	4.82	8.46	10.1	10.1	15.5	15.5	20.1
					3.72	4.56	8.09	9.56	9.56	14.7	14.7	19.0
					3.93	4.82	8.43	10.1	10.1	15.3	15.3	20.2
					3.70	4.51	7.93	9.51	9.51	14.6	14.6	19.2
					3.81	4.72	8.33	10.0	10.0	15.2	15.2	20.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)



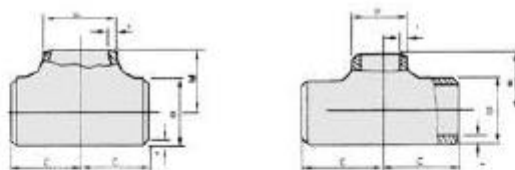
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
200 × 200	8 × 8	219 × 219	178	178	7.72	10.4	17.7	22.8	22.8	35.4	35.4	50.8
200 × 150	8 × 6	219 × 159 219.1 × 141.3	178	168	6.74 7.17	9.20 9.74	16.4	19.9	19.9	30.9	30.9	44.4
200 × 125	8 × 5	219 × 133 219.1 × 141.3	178	162	6.61 7.03	8.89 9.55	15.1	19.5	19.5	30.2	30.2	43.5
200 × 100	8 × 4	219 × 108 219.1 × 114.3	178	156	6.43 6.84	8.73 9.39	14.7	19.0	20.5	29.4	29.4	42.3
200 × 90	8 × 3.1/2	219.1 × 101.6	178	152	6.84	9.18	15.5	19.8	20.1	31.1	31.1	44.2
250 × 250	10 × 10	273 × 273	216	216	14.6	18.04	27.39	40.4	40.4	51.1	55.12	95.21
250 × 200	10 × 8	273 × 219	216	208	13.3	16.4	24.9	36.4	36.4	49.8	59.2	84.1
250 × 150	10 × 6	273 × 159 273.1 × 168.3	216	194	11.4 12.1	15.0 15.0	21.3	31.4	31.4	42.7	50.7	72.1
250 × 125	10 × 5	273 × 133 273.1 × 141.3	216	191	11.2 11.9	14.6 14.6	20.9	30.7	30.7	41.8	49.7	70.6
250 × 100	10 × 4	273 × 108 273.1 × 114.3	216	184	11.0 11.7	14.4 14.4	20.6	30.3	30.3	41.2	49.0	69.6
300 × 300	12 × 12	325 × 325 323.9 × 323.9	254	254	21.5 21.5	24.8 24.8	34.5	51.8	56.1	69.0	95.0	138
300 × 250	12 × 10	325 × 273 323.9 × 273.1	254	241	20.4 20.3	23.6 23.4	32.8	49.2	53.3	65.6	90.3	131
300 × 200	12 × 8	325 × 219 323.9 × 219.1	254	229	20.2 20.0	23.3 23.1	32.3	48.4	52.4	64.4	88.6	128
300 × 150	12 × 6	325 × 159 323.9 × 168.3	254	219	18.4 19.5	22.5 22.7	29.5	44.3	47.9	59.0	81.2	118
300 × 125	12 × 5	325 × 133 323.9 × 141.3	254	216	18.0 19.1	20.8 22.1	28.0	43.6	47.1	57.8	79.6	115
350 × 350	14 × 14	377 × 377 355.6 × 355.6	279	279	27.4 25.7	33.1 31.1	54.9	66.1	77.2	88.0	132	192
350 × 300	14 × 12	377 × 325 355.6 × 323.9	279	270	25.8 24.2	31.1 29.2	51.6	62.1	72.5	82.7	124	181
350 × 250	14 × 10	377 × 273 355.6 × 273.1	279	257	25.1 23.7	30.3 28.6	50.3	60.5	70.8	80.7	121	171
350 × 200	14 × 8	377 × 219 355.6 × 219.1	279	248	24.6 23.1	29.7 27.9	49.2	59.2	69.2	78.0	118	167
350 × 150	14 × 6	377 × 159 355.6 × 168.3	279	238	24.0 22.3	29.0 27.1	48.1	57.9	67.8	77.1	115	163
400 × 400	16 × 16	426 × 426 406.4 × 406.4	305	305	33.1 31.4	38.0 36.1	63.0	75.9	101	101	170	246
400 × 350	16 × 14	426 × 377 406.4 × 355.6	305	305	32.0 30.4	36.8 34.9	60.9	73.6	98.1	97.8	179	238
400 × 300	16 × 12	426 × 325 406.4 × 323.9	305	295	31.0 28.2	35.6 34.4	59.0	71.4	95.2	94.7	173	230
400 × 250	16 × 10	426 × 273 406.4 × 273.1	305	283	30.2 28.7	34.7 33.0	57.6	69.9	93.1	92.5	169	225
400 × 200	16 × 8	426 × 219 406.4 × 219.1	305	273	29.5 28.1	33.9 32.3	56.2	68.4	91.1	90.2	165	219

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)



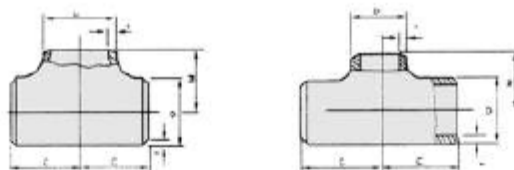
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ x D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
400 x 150	16 x 6	426 x 159 406.4 x 168.3	305	264	29.2 27.7	33.5 31.8	55.6 52.8	67.6 64.4	90.1 85.8	89.2 84.8	163 155	217 206
450 x 450	18 x 18	478 x 478 457 x 457	343	343	41.9 39.8	47.8 45.5	79.2 75.4	95.3 88.9	142 136	127 120	233 218	349 332
450 x 400	18 x 16	478 x 426 457 x 406.4	343	330	41.0 39.0	46.8 44.5	77.5 73.8	93.3 88.9	140 133	144 118	233 222	342 325
450 x 350	18 x 14	478 x 377 406.4 x 355.6	343	330	40.4 38.3	46.1 43.8	76.3 72.5	91.9 87.3	137 130	142 135	229 228	336 320
450 x 300	18 x 12	478 x 325 457 x 323.9	343	321	39.6 37.3	45.4 42.6	75.2 70.6	90.6 85.0	135 127	140 131	226 212	331 216
450 x 250	18 x 10	478 x 273 457 x 273.1	343	308	39.3 37.3	44.9 42.6	74.4 70.6	89.6 85.0	134 127	138 131	223 212	228 216
450 x 200	16 x 8	478 x 219 457 x 219.1	343	296	36.8 36.9	44.3 42.1	73.4 69.7	89.1 84.7	132 126	137 130	220 209	225 213
500 x 500	20 x 20	529 x 529 508 x 508	381	381	58.9 56.3	68.2 65.3	117 112	117 112	186 178	156 149	322 308	469 449
500 x 450	20 x 18	529 x 478 508 x 457	381	368	57.9 55.4	67.1 64.2	115 110	115 110	183 175	154 147	317 303	462 441
500 x 400	20 x 16	529 x 426 508 x 406.4	381	356	57.0 54.7	66.0 63.4	113 109	113 109	180 173	151 145	312 299	454 436
500 x 350	20 x 14	529 x 377 508 x 355.6	381	356	56.0 53.7	64.9 62.3	111 107	111 107	177 170	149 142	306 294	446 428
500 x 300	20 x 12	529 x 325 508 x 323.9	381	346	55.0 52.8	63.8 61.2	109 105	109 105	174 167	146 140	301 289	438 421
500 x 250	20 x 10	529 x 273 508 x 273.1	381	333	54.4 52.2	63.0 60.5	108 104	108 104	172 165	144 138	298 286	433 416
500 x 200	20 x 8	529 x 219 508 x 219.1	381	324	53.7 51.5	62.3 59.7	107 102	107 102	170 163	142 137	294 282	428 410
550 x 550	22 x 22	559 x 559	419	419	73.5	85.2	146	146	265	195	—	635
550 x 500	22 x 20	559 x 508	419	406	70.7	81.9	141	141	257	187	—	610
550 x 450	22 x 18	559 x 457	419	394	67.7	78.5	135	135	240	180	—	584
550 x 400	22 x 16	559 x 406.4	419	381	66.2	76.7	132	132	235	179	—	571
550 x 350	22 x 14	559 x 355.6	419	381	65.5	75.9	130	130	230	174	—	565
550 x 300	22 x 12	559 x 323.9	419	371	64.0	74.2	127	127	225	170	—	552
550 x 250	22 x 10	559 x 273.1	419	359	62.5	72.5	124	124	220	166	—	540
600 x 600	24 x 24	630 x 630 610 x 610	432	432	96.0 93.9	110 107	165 161	165 161	300 295	220 215	503 496	797 779
600 x 550	24 x 22	630 x 559	432	432	90.1	103	155	155	285	206	—	748
600 x 500	24 x 20	630 x 529 610 x 508	432	432	92.2 86.4	105 99.4	158 148	158 148	290 270	211 198	491 472	765 701
600 x 450	24 x 18	630 x 478 610 x 457	432	419	86.4 84.5	101 96.9	152 145	152 145	280 265	202 193	478 466	734 694
600 x 400	24 x 16	630 x 426 610 x 406.4	432	406	86.4 83.2	99.1 95.7	148 143	148 143	270 260	198 191	472 463	718 690
600 x 350	24 x 14	630 x 377 610 x 355.6	432	406	85.5 81.7	98.0 93.5	147 140	147 140	265 255	195 197	469 457	710 678
600 x 300	24 x 12	630 x 325 610 x 323.9	432	397	83.5 79.8	95.8 91.5	143 137	143 137	255 250	191 182	463 451	678 662
600 x 250	24 x 10	630 x 273 610 x 273.1	432	384	81.6 77.9	93.0 89.3	140 134	140 134	257 245	187 178	457 445	662 647

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)



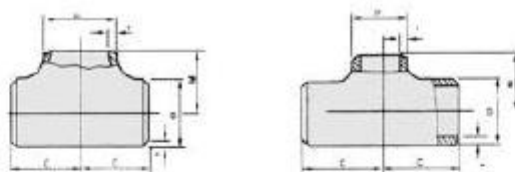
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
650 × 650	26 × 26	660 × 660	495	495	-	-	274	206	-	274	-	-
650 × 600	26 × 24	660 × 610	495	483	-	-	263	197	-	263	-	-
650 × 550	26 × 22	660 × 559	495	470	-	-	252	189	-	252	-	-
650 × 500	26 × 20	660 × 508.0	495	457	-	-	246	185	-	246	-	-
650 × 450	26 × 18	660 × 547.2	495	444	-	-	244	183	-	244	-	-
650 × 400	26 × 16	660 × 406.4	495	432	-	-	238	179	-	238	-	-
650 × 350	26 × 14	660 × 355.6	495	432	-	-	233	175	-	233	-	-
650 × 300	26 × 12	660 × 323.9	495	422	-	-	227	171	-	227	-	-
700 × 700	28 × 28	720 × 720 711 × 711	521	521	-	-	309 305	232 229	-	300 305	-	-
700 × 650	28 × 26	711 × 660	521	521	-	-	293	222	-	293	-	-
700 × 600	28 × 24	720 × 630 711 × 610	510	508	-	-	295 284	222 211	-	296 275	-	-
700 × 550	28 × 22	711 × 559	521	495	-	-	273	204	-	272	-	-
700 × 500	28 × 20	720 × 529 711 × 508	521	483	-	-	296 275	222 199	-	296 265	-	-
700 × 450	28 × 18	720 × 478 711 × 457	521	470	-	-	278 265	208 195	-	275 263	-	-
700 × 400	28 × 16	720 × 426 711 × 406.4	521	457	-	-	275 259	206 190	-	266 259	-	-
700 × 350	28 × 14	720 × 377 711 × 355.6	521	457	-	-	268 253	201 183	-	260 253	-	-
700 × 300	28 × 12	720 × 325 711 × 323.9	521	448	-	-	262 244	197 179	-	256 244	-	-
750 × 750	30 × 30	762 × 762	559	559	176	200	352	264	-	352	-	-
750 × 700	30 × 28	762 × 711	559	546	-	-	338	254	-	338	-	-
750 × 650	30 × 26	762 × 660	559	546	-	-	323	243	-	323	-	-
750 × 600	30 × 24	762 × 610	559	533	158	197	317	238	-	317	-	-
750 × 550	30 × 22	762 × 559	559	521	157	195	314	235	-	314	-	-
750 × 500	30 × 20	762 × 508	559	508	153	174	306	230	-	306	-	-
750 × 450	30 × 18	762 × 457	559	495	149	170	299	224	-	299	-	-
750 × 400	30 × 16	762 × 406.4	559	483	146	166	292	219	-	292	-	-
750 × 350	30 × 14	762 × 355.6	559	483	141	166	282	211	-	285	-	-
750 × 300	30 × 12	762 × 323.9	559	473	137	156	275	206	-	275	-	-
750 × 250	30 × 10	762 × 273	559	460	132	150	264	198	-	264	-	-
800 × 800	32 × 32	820 × 820 813 × 813	597	597	-	-	405 402	303 302	-	405 402	-	-
800 × 750	32 × 30	813 × 762	597	584	-	-	386	290	-	386	-	-

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

TEES (STRAIGHT AND REDUCING)



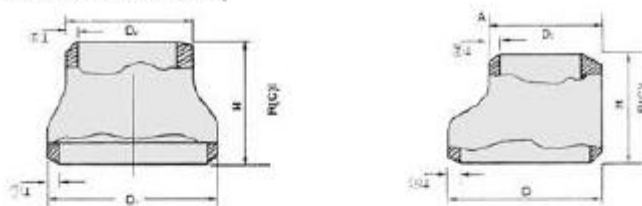
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
800 × 700	32 × 28	820 × 720 813 × 711	597	572	-	-	388 370	291 277	-	388 370	-	-
800 × 650	32 × 26	813 × 660	597	572	-	-	362	271	-	362	-	-
800 × 600	32 × 24	820 × 630 813 × 610	597	559	-	-	372 358	279 266	-	355 359	-	-
800 × 550	32 × 22	813 × 559	597	546	-	-	350	262	-	350	-	-
800 × 500	32 × 20	820 × 529 813 × 508	597	533	-	-	364 342	273 256	-	364 342	-	-
800 × 450	32 × 18	820 × 478 813 × 457	597	521	-	-	360 334	270 250	-	360 334	-	-
800 × 400	32 × 16	820 × 426 813 × 406.4	597	508	-	-	352 322	264 241	-	352 322	-	-
800 × 350	32 × 14	820 × 377 813 × 355.6	597	508	-	-	344 313	258 235	-	344 314	-	-
850 × 850	34 × 34	864 × 864	635	635	-	-	455	341	626	415	-	-
850 × 800	34 × 32	864 × 813	635	622	-	-	437	328	610	437	-	-
850 × 750	34 × 30	864 × 762	635	610	-	-	419	314	-	419	-	-
850 × 700	34 × 28	864 × 711	635	597	-	-	409	307	-	409	-	-
850 × 650	34 × 26	864 × 660	635	597	-	-	405	304	-	405	-	-
850 × 600	34 × 24	864 × 610	635	564	-	-	396	297	545	396	-	-
850 × 550	34 × 22	864 × 559	635	572	-	-	387	290	532	387	-	-
850 × 500	34 × 20	864 × 508	635	559	-	-	378	283	520	378	-	-
850 × 450	34 × 18	864 × 457	635	546	-	-	364	273	501	364	-	-
850 × 400	34 × 16	864 × 406.4	635	533	-	-	355	266	488	355	-	-
900 × 900	36 × 36	920 × 920 914 × 914	673	673	-	-	514 511	648 639	786 767	543 511	-	-
900 × 850	36 × 34	914 × 864	673	660	-	-	490	619	736	511	-	-
900 × 800	36 × 32	920 × 820 914 × 813	673	648	-	-	494 470	370 353	741 690	494 470	-	-
900 × 750	36 × 30	914 × 762	673	635	-	-	460	345	-	460	-	-
900 × 700	36 × 28	920 × 720 914 × 711	673	622	-	-	473 455	355 341	-	473 455	-	-
900 × 650	36 × 26	914 × 660	673	622	-	-	444	333	667	447	-	-
900 × 600	36 × 24	914 × 610	673	610	-	-	434	326	651	434	-	-
900 × 550	36 × 22	914 × 559	673	597	-	-	424	318	636	424	-	-
900 × 500	36 × 20	920 × 529 914 × 508	673	564	-	-	463 409	347 306	685 598	462 409	-	-
900 × 450	36 × 18	920 × 478 914 × 452	673	572	-	-	458 398	343 299	603 613	457 398	-	-
900 × 400	36 × 16	920 × 426 914 × 406.4	673	559	-	-	447 383	335 287	609 575	447 383	-	-

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

REDUCERS (CONCENTRIC AND ECCENTRIC)



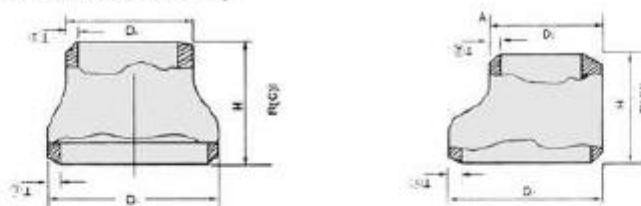
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end	理论重量 kg/pes approx weight							
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
20 × 15	3/4 × 1/2	25 × 18	38	0.03	0.04	0.049	0.05	0.05	0.07	0.07	—
		26.7 × 21.3		0.04	0.04	0.05	0.06	0.06	0.07	0.07	—
25 × 20	1 × 3/4	32 × 25	51	0.06	0.09	0.11	0.11	0.11	0.14	0.14	—
		33.4 × 26.7		0.06	0.10	0.11	0.11	0.11	0.15	0.15	—
25 × 15	1 × 1/2	32 × 18	51	0.05	0.08	0.09	0.09	0.09	0.12	0.12	—
		33.4 × 21.3		0.06	0.09	0.10	0.10	0.10	0.13	0.13	—
32 × 25	1, 1/4 × 1	38 × 32	51	0.07	0.11	0.125	0.14	0.14	0.18	0.18	—
		42.2 × 33.4		0.08	0.12	0.137	0.15	0.15	0.20	0.20	—
32 × 20	1, 1/4 × 3/4	38 × 25	51	0.06	0.10	0.125	0.13	0.13	0.16	0.16	—
		42.2 × 26.7		0.07	0.11	0.13	0.14	0.14	0.18	0.18	—
32 × 15	1, 1/4 × 1/2	38 × 18	51	0.06	0.09	0.1	0.11	0.11	0.14	0.14	—
		42.2 × 21.3		0.07	0.11	0.125	0.12	0.13	0.17	0.17	—
40 × 32	1, 1/2 × 1, 1/4	45 × 38	64	0.11	0.17	0.19	0.22	0.22	0.29	0.29	—
		48.3 × 42.2		0.11	0.19	0.22	0.24	0.24	0.32	0.32	—
40 × 25	1, 1/2 × 1	45 × 32	64	0.10	0.16	0.18	0.20	0.20	0.27	0.27	—
		48.3 × 33.4		0.10	0.17	0.20	0.22	0.22	0.29	0.29	—
40 × 20	1, 1/2 × 3/4	45 × 25	64	0.09	0.15	0.1	0.18	0.18	0.24	0.24	—
		48.3 × 26.7		0.10	0.16	—	0.20	0.20	0.26	0.26	—
40 × 15	1, 1/2 × 1/2	45 × 18	64	0.08	0.13	0.15	0.16	0.16	0.21	0.21	—
		48.3 × 21.3		0.09	0.15	0.17	0.19	0.19	0.24	0.24	—
50 × 40	2 × 1, 1/2	57 × 45	76	0.16	0.26	0.33	0.35	0.35	0.47	0.47	—
		60.3 × 48.3		0.17	0.27	0.35	0.37	0.37	0.51	0.51	—
50 × 32	2 × 1, 1/4	57 × 38	76	0.15	0.24	0.30	0.32	0.32	0.44	0.44	—
		60.3 × 42.2		0.16	0.25	0.33	0.35	0.35	0.48	0.48	—
50 × 25	2 × 1	57 × 32	76	0.14	0.22	0.27	0.30	0.30	0.41	0.41	—
		60.3 × 33.4		0.14	0.24	0.30	0.32	0.32	0.44	0.44	—
65 × 50	2, 1/2 × 2	76 × 57	89	0.30	0.43	0.52	0.70	0.70	0.92	0.92	—
		73.0 × 60.3		0.30	0.43	0.53	0.70	0.70	0.92	0.92	—
65 × 40	2, 1/2 × 1, 1/2	76 × 45	89	0.28	0.40	0.5	0.64	0.64	0.84	0.84	—
		73.0 × 48.3		0.28	0.40	0.5	0.63	0.63	0.83	0.83	—
65 × 30	2, 1/2 × 1, 1/4	76 × 38	89	0.26	0.38	0.45	0.60	0.60	0.79	0.79	—
		73.0 × 42.2		0.27	0.38	0.45	0.60	0.60	0.79	0.79	—
65 × 25	2, 1/2 × 1	76 × 32	89	0.25	0.36	0.4	0.57	0.57	0.75	0.75	—
		73.0 × 33.4		0.25	0.35	0.4	0.56	0.56	0.73	0.73	—
80 × 65	3 × 2, 1/2	89 × 76	89	0.38	0.54	0.72	0.93	0.93	1.26	1.26	—
		88.9 × 73.0		0.37	0.53	0.7	0.91	0.91	1.23	1.23	—
80 × 50	3 × 2	89 × 57	89	0.34	0.48	0.64	0.83	0.83	1.11	1.11	—
		88.9 × 60.3		0.35	0.49	0.65	0.84	0.84	1.13	1.13	—
80 × 40	3 × 1, 1/2	89 × 45	89	0.31	0.45	0.6	0.76	0.76	1.02	1.02	—
		88.9 × 48.3		0.32	0.45	0.6	0.78	0.78	1.05	1.05	—

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

REDUCERS (CONCENTRIC AND ECCENTRIC)



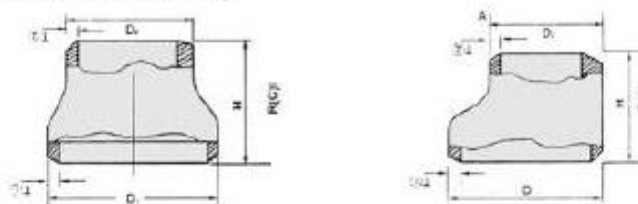
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end	理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
90 × 90	3.1/2 × 3	101.6 × 88.9	102	0.50	0.72	1.09	1.29	1.77	1.77	—	—
90 × 65	3.1/2 × 2.1/2	101.6 × 73.0	102	0.46	0.66	1.0	1.12	1.12	1.63	1.63	—
90 × 50	3.1/2 × 2	101.6 × 60.3	102	0.43	0.62	0.95	1.10	1.10	1.51	1.51	—
90 × 40	3.1/2 × 1.1/2	101.6 × 48.3	102	0.41	0.58	—	1.03	1.03	1.40	1.40	—
100 × 90	4 × 3.1/2	114.3 × 101.6	102	0.57	0.82	—	1.55	1.55	2.41	2.41	2.38
100 × 80	4 × 3	108 × 89	102	0.52	0.75	—	1.41	1.41	1.94	1.94	2.18
		114.3 × 88.9		0.54	0.77	—	1.46	1.46	2.02	2.02	2.24
100 × 65	4 × 2.1/2	108 × 76	102	0.49	0.70	0.93	1.32	1.32	1.62	1.62	2.05
		114.3 × 73.0		0.50	0.72	0.96	1.35	1.35	1.87	1.87	2.1
100 × 50	4 × 2	108 × 57	102	0.44	0.64	0.85	1.19	1.19	1.64	1.64	1.87
		114.3 × 60.3		0.48	0.68	0.90	1.27	1.27	1.75	1.75	1.98
125 × 100	5 × 4	133 × 108	127	1.04	1.27	1.89	2.35	2.35	3.33	3.33	4.31
		141.3 × 114.3		1.11	1.35	2.01	2.50	2.50	3.55	3.55	4.60
125 × 90	5 × 3.1/2	141.3 × 101.6	127	1.06	1.29	1.92	2.38	2.38	3.38	3.38	4.4
125 × 80	5 × 3	133 × 89	127	0.97	1.18	1.76	2.17	2.17	3.07	3.07	4.0
		141.3 × 88.9		1.01	1.23	1.83	2.27	2.27	3.22	3.22	4.19
125 × 65	5 × 2.1/2	133 × 76	127	0.92	1.12	1.67	2.06	2.06	2.91	2.91	3.8
		141.3 × 73.0		0.95	1.16	1.72	2.14	2.14	3.02	3.02	3.98
150 × 125	6 × 5	159 × 133	140	1.40	1.71	2.54	3.42	3.42	5.14	5.14	6.52
		168.3 × 141.3		1.48	1.81	2.67	3.64	3.64	5.47	5.47	6.95
150 × 100	6 × 4	159 × 108	140	1.29	1.58	2.35	3.15	3.15	4.72	4.72	5.97
		168.3 × 114.3		1.37	1.67	2.48	3.36	3.36	5.03	5.03	6.38
150 × 90	6 × 3.1/2	168.3 × 101.6	140	1.32	1.61	2.39	3.23	3.23	4.83	4.83	6.08
150 × 80	6 × 3	159 × 89	140	1.21	1.48	2.20	2.96	2.96	4.41	4.41	5.64
		168.3 × 88.9		1.26	1.53	2.27	3.07	3.07	4.58	4.58	5.85
200 × 150	8 × 6	219 × 159	152	2.00	2.70	4.30	5.65	5.65	8.55	8.55	11.9
		219.1 × 168.3		2.04	2.75	4.38	5.77	5.77	8.73	8.73	12.2
200 × 125	8 × 5	219 × 133	152	1.90	2.56	4.07	5.35	5.35	8.09	8.09	11.2
		219.1 × 141.3		1.93	2.60	4.14	5.44	5.44	8.23	8.23	11.4
200 × 100	8 × 4	219 × 108	152	1.80	2.43	3.86	5.07	5.07	7.64	7.64	10.6
		219.1 × 114.3		1.83	2.46	3.92	5.14	5.44	7.75	7.75	10.7
250 × 200	10 × 8	273 × 219	178	3.43	4.56	6.75	9.74	15.5	15.5	15.5	21.4
250 × 150	10 × 6	273 × 159	178	3.27	4.15	6.59	8.83	14.0	14.0	14.0	19.2
		273.1 × 168.3		3.38	4.21	6.69	8.96	14.2	14.2	14.2	19.5
250 × 125	10 × 5	273 × 133	178	3.25	3.99	6.34	8.47	13.4	13.4	13.4	18.4
		273.1 × 141.3		3.29	4.04	6.42	8.59	13.6	13.6	13.6	18.6

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

REDUCERS (CONCENTRIC AND ECCENTRIC)



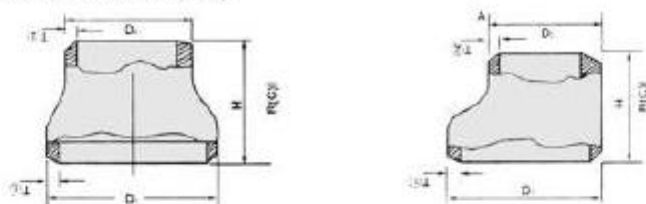
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end	理论重量 kg/pes approx weight							
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
300 × 250	12 × 10	325 × 273	203	5.98	6.89	9.38	13.9	15.0	18.3	24.8	35.1
		323.9 × 273.1		5.97	6.88	9.36	13.9	15.0	18.3	24.8	35.0
300 × 200	12 × 8	325 × 219	203	5.57	6.42	8.73	12.9	14.0	17.0	23.0	32.4
		323.9 × 219.1		5.56	6.41	8.70	12.9	13.9	17.0	23.0	32.3
300 × 150	12 × 6	325 × 159	203	5.17	5.95	8.10	12.0	12.9	15.7	21.2	29.6
		323.9 × 168.3		5.22	6.00	8.14	12.1	13.0	15.9	21.4	30.0
350 × 300	14 × 12	377 × 325	330	11.4	13.7	22.2	26.6	30.9	35.1	51.6	73.3
		355.6 × 323.9		11.0	13.2	21.4	25.6	29.8	33.8	49.8	70.6
350 × 250	14 × 10	377 × 273	330	10.6	12.8	20.7	24.8	28.8	32.7	48.0	68.0
		355.6 × 273.1		10.2	12.3	19.9	23.8	27.7	31.4	46.1	65.3
350 × 200	14 × 8	377 × 219	330	9.89	11.9	19.2	23.0	26.7	30.3	44.5	62.8
		355.6 × 219.1		9.48	11.4	18.4	22.0	25.5	29.0	42.5	59.9
350 × 150	14 × 6	377 × 159	330	9.63	11.0	17.75	21.1	24.5	27.8	40.7	57.3
		355.6 × 168.3		9.22	10.5	16.95	20.2	23.5	26.6	38.9	54.7
400 × 350	16 × 14	426 × 377	356	14.9	16.9	27.4	32.9	43.5	43.5	71.7	101
		406.4 × 355.6		14.1	16.1	26.0	31.2	41.2	41.2	67.9	95.4
400 × 300	16 × 12	426 × 325	356	14.0	16.0	25.9	31.0	40.9	40.9	67.4	94.7
		406.4 × 323.9		13.6	15.4	25.0	29.9	39.5	39.5	65.1	91.3
400 × 250	16 × 10	426 × 273	356	13.2	15.0	24.3	29.1	38.4	38.4	63.1	88.5
		406.4 × 273.1		12.7	14.5	23.5	28.1	37.1	37.1	60.9	85.3
400 × 200	16 × 8	426 × 219	356	12.4	14.1	22.8	27.3	36.0	36.0	59.1	82.6
		406.4 × 219.1		11.9	13.6	21.9	26.2	34.6	34.6	56.7	79.2
400 × 150	16 × 6	426 × 159	356	11.5	13.1	21.18	25.3	33.3	33.3	54.5	75.9
		406.4 × 168.3		9.96	12.7	20.45	24.5	32.3	32.3	52.7	73.4
450 × 400	18 × 16	478 × 426	381	17.9	20.4	33.1	39.7	58.8	52.6	96.1	137
		457 × 406.4		17.1	19.5	31.6	37.9	56.1	50.1	91.6	131
450 × 350	18 × 14	478 × 377	381	17.1	19.4	31.5	37.7	55.8	49.9	91.1	130
		457 × 355.6		16.2	18.5	29.9	35.8	53.0	47.4	86.3	123
450 × 300	18 × 12	478 × 325	381	16.2	18.5	29.9	35.8	53.0	47.4	86.3	123
		457 × 323.9		15.7	17.9	28.9	34.7	51.2	45.8	83.4	119
450 × 250	18 × 10	478 × 273	381	15.4	17.6	28.4	34.1	50.3	45.0	81.8	116
		457 × 273.1		14.8	16.9	27.3	32.8	48.4	43.3	78.6	112
450 × 200	18 × 8	478 × 219	381	14.5	16.5	26.7	32.0	47.3	42.3	76.7	109
		457 × 219.1		14.0	15.9	25.7	30.8	45.5	40.7	73.7	104
500 × 450	20 × 18	529 × 478	508	30.4	35.2	59.1	59.1	92.5	78.2	156	213
		508 × 457		29.1	33.7	56.6	56.6	88.6	74.9	150	213
500 × 400	20 × 16	529 × 426	508	28.9	33.4	56.2	56.2	87.9	74.4	149	211
		508 × 406.4		27.7	32.0	53.8	53.8	84.1	71.1	142	201
500 × 350	20 × 14	529 × 377	508	27.6	31.9	53.6	53.6	83.8	70.9	142	200
		508 × 355.6		26.3	30.4	51.0	51.0	79.7	67.4	135	190
500 × 300	20 × 12	529 × 325	508	26.2	30.3	50.8	50.8	79.4	67.2	134	189
		508 × 323.9		25.4	29.4	49.3	49.3	77.0	65.1	130	183

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

REDUCERS (CONCENTRIC AND ECCENTRIC)



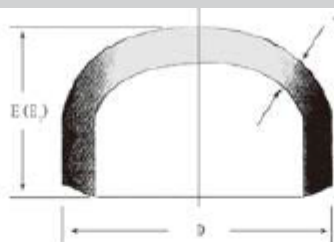
公称直径 Nominal diameter		外径/mm Outside	中心距至端面的距离 center to end	理论重量 kg/pcs approx weight							
DN	INCH	D ₁ x D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
500 x 250	20 x 10	529 x 273 508 x 273.1	508	24.8 24.0	28.7 27.8	48.2 46.7	48.2 46.7	75.2 72.8	63.7 61.7	127 123	179 173
500 x 200	20 x 8	529 x 219 508 x 219.1	508	23.5 22.7	27.1 26.2	45.5 43.9	45.5 43.9	70.9 68.5	60.1 58.0	119 115	168 162
550 x 500	22 x 20	559 x 508	508	32.1	37.3	62.7	62.7	-	83.0	182	255
550 x 450	22 x 18	559 x 457	508	30.8	35	59.9	59.9	-	79.3	174	243
550 x 400	22 x 16	559 x 406.4	508	29.4	34.0	57.2	57.2	-	75.7	165	219
550 x 350	22 x 14	559 x 355.6	508	28.0	32.5	54.5	54.5	-	72.1	157	206
600 x 550	24 x 22	610 x 559	508	28.0	46.8	68.8	68.8	-	91.2	215	311
600 x 500	24 x 20	630 x 529 610 x 506	508	40.4 39.2	46.2 44.9	68.0 66.0	- -	123 119	90.1 87.4	212 206	307 296
600 x 450	24 x 18	630 x 478 610 x 457	508	39.1 37.6	44.7 43.1	65.8 63.6	65.8 63.3	119 114	87.1 83.9	205 197	296 284
600 x 400	24 x 16	630 x 426 610 x 406.4	508	37.5 36.1	43.0 41.3	63.1 60.7	63.1 60.7	114 110	83.6 80.4	197 189	283 272
650 x 600	26 x 24	680 x 610	610	-	-	119	89.8	-	119	-	-
650 x 550	26 x 22	680 x 559	610	-	-	114	86.3	-	114	-	-
650 x 500	26 x 20	680 x 508	610	-	-	110	83.0	-	110	-	-
650 x 450	26 x 18	680 x 457	610	-	-	105	79.0	-	105	-	-
700 x 650	28 x 26	711 x 660	610	-	-	129	97.1	-	129	-	-
700 x 600	28 x 24	720 x 630 711 x 610	610	-	-	127 124	95.7 93.6	-	127 124	-	-
700 x 550	28 x 22	711 x 559	610	-	-	120	90.4	-	120	-	-
750 x 700	30 x 28	762 x 711	610	-	-	139	104	-	139	-	-
750 x 650	30 x 26	762 x 660	610	-	-	133	101	-	133	-	-
750 x 600	30 x 24	762 x 610	610	66.4	82.7	130	97.8	-	130	-	-
750 x 550	30 x 22	762 x 559	610	63.9	80.0	125	94.5	-	125	-	-
800 x 750	32 x 30	813 x 762	610	-	-	148	112	-	148	-	-
800 x 700	32 x 28	820 x 720 813 x 711	610	-	-	145 144	109 108	-	145 144	-	-
800 x 650	32 x 26	813 x 660	610	-	-	139	105	-	139	-	-
800 x 600	32 x 24	820 x 720 813 x 610	610	-	-	138 135	104 102	-	138 135	-	-
850 x 800	34 x 32	864 x 813	610	-	-	158	119	-	158	-	-
850 x 750	34 x 30	864 x 762	610	-	-	153	116	-	153	-	-
850 x 700	34 x 28	864 x 711	610	-	-	149	112	-	149	-	-
850 x 650	34 x 26	864 x 660	610	-	-	145	109	-	145	-	-
900 x 850	36 x 34	914 x 864	610	-	-	168	126	-	168	-	-
900 x 800	36 x 32	920 x 820 914 x 813	610	-	-	164 163	124 123	-	164 163	-	-
900 x 750	36 x 30	914 x 762	610	-	-	159	120	-	159	-	-
900 x 700	36 x 28	920 x 720 914 x 711	610	-	-	156 155	118 117	-	156 155	-	-

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

CAPS



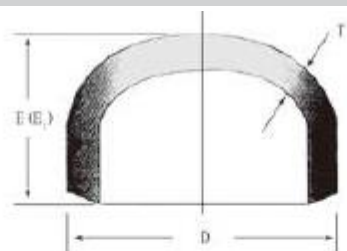
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pes approx weight							
DN	INCH	CD	E (E ₁)	E (E ₂)	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
15	1/2	18 21.3	25	-	0.019 0.022	0.024 0.028	0.027 0.033	0.031 0.037	0.031 0.037	0.042 0.050	0.042 0.050	0.057 0.063
20	3/4	25 26.7	25	-	0.027 0.029	0.033 0.035	0.038 0.041	0.045 0.048	0.045 0.048	0.060 0.065	0.060 0.065	0.079 0.086
25	1	32 33.7	38	-	0.049 0.052	0.063 0.067	0.091 0.093	0.101 0.106	0.101 0.106	0.136 0.143	0.136 0.143	0.176 0.182
32	1.1/4	38 42.4	38	-	0.058 0.065	0.099 0.110	0.111 0.125	0.126 0.141	0.126 0.141	0.173 0.193	0.173 0.193	0.213 0.237
40	1.1/2	45 48.3	38	-	0.071 0.076	0.118 0.127	0.138 0.148	0.158 0.169	0.158 0.169	0.218 0.234	0.218 0.234	0.294 0.323
50	2	57 60.3	38	44	0.094 0.099	0.156 0.165	0.189 0.200	0.221 0.234	0.221 0.234	0.313 0.331	0.313 0.331	0.387 0.426
65	2.1/2	76 73.0	38	51	0.167 0.161	0.241 0.232	0.391 0.312	0.409 0.393	0.409 0.393	0.555 0.543	0.555 0.543	0.676 0.634
80	3	89	51	64	0.254	0.367	0.490	0.660	0.660	0.917	0.917	1.469
90	3.1/2	101.6	64	76	0.355	0.512	0.739	0.965	0.965	1.36	1.36	1.891
100	4	108 114.3	64	76	0.387 0.410	0.561 0.594	0.810 0.882	1.11 1.17	1.11 1.17	1.58 1.67	1.58 1.67	2.01 2.16
125	5	133 139.7 141.3	76	89	0.769 0.808 0.817	0.945 0.933 1.00	1.339 1.421 1.473	1.82 1.91 1.93	1.82 1.91 1.93	2.65 2.78 2.81	2.65 2.78 2.81	3.52 3.70 3.74
150	6	159 168.3 165.2	89	102	1.07 1.13 1.11	1.31 1.39 1.36	1.843 2.00 1.97	2.74 2.90 2.85	2.74 2.90 2.85	4.22 4.47 4.39	4.22 4.47 4.39	5.50 5.82 5.72
200	8	219 216.1	102	127	1.76 1.74	2.38 2.35	4.03 3.96	5.19 5.13	5.19 5.13	8.05 7.95	8.05 7.95	11.6 11.5
250	10	273 267.4	127	152	3.36 3.29	4.14 4.05	6.27 6.14	9.15 8.96	9.15 8.96	12.5 12.2	16.8 16.4	23.9 23.4

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

CAPS



公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	OD	F	B	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
300	12	325	152	178	5.12	6.40	9.90	13.5	14.6	17.9	28.3	94.0
		323.9			5.11	6.39	9.43	13.3	14.4	17.7	27.1	91.0
		318.5			5.02	6.27	9.40	13.2	14.2	17.3	26.8	90.5
350	14	377	165	191	6.00	8.46	14.0	16.9	19.9	22.5	38.5	105
		355.0			5.66	7.96	13.2	15.9	18.6	21.2	35.2	99.0
400	16	426	178	203	6.93	7.91	17.4	21.0	28.2	28.0	52.0	116
		406.4			6.60	7.53	12.5	20.0	26.7	26.7	49.1	111
450	18	476	203	229	7.90	9.01	22.3	26.9	43.6	35.8	75.1	131
		457.2			7.52	8.58	21.2	25.6	41.4	34.1	69.1	125
500	20	529	254	254	10.5	12.02	33.2	33.2	57.6	44.2	103	141
		508.0			10.1	11.7	31.9	31.9	54.0	42.5	93.7	136
550	22	559	267	-	12.1	22.6	38.8	38.8	78.3	51.7	116	168
600	24	630	267	305	14.8	26.4	47.4	46.5	92.3	61.9	177	172
		610			14.3	26.1	45.1	45.1	90.1	60.1	160	164
650	26	660	267	-	23.3	26.9	67.3	50.5	103.5	67.3	-	-
700	28	720	267	-	27.1	32.4	75.9	56.9	151.1	75.6	-	-
		711			38.7	49.7	94.9	56.2	121.3	74.9	-	-
750	30	762	267	-	41.4	51.7	82.8	62.1	117.3	82.8	-	-
800	32	820	267	-	43.4	58.3	92.0	70.6	127	92.0	-	-
		813			43.1	57.7	91.2	70.0	116	91.2	-	-
850	34	864	267	-	57.2	68.6	105	79.7	144	105	-	-
900	36	920	267	-	60.3	74.6	115	86.3	172	115	-	-
		914			59.1	72.1	114	85.7	171	114	-	-

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

ГОСТ 17375-2001

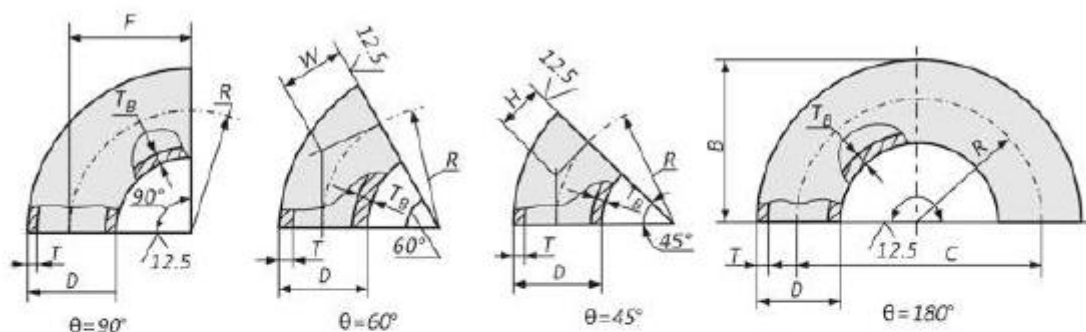


Таблица 2—Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с θ=90°, кг
25	32	2.0	38	22	18	76	56	0.1
		2.5						0.2
		3.0						0.2
		3.5						0.2
32	38	2.0	48	28	23	96	69	0.2
		2.5						0.2
		3.0						0.2
		3.5						0.3
40	45	2.5	60	35	25	120	83	0.3
		3.0						0.3
		3.5						0.4
		4.0						0.4
50	57	5.0	75	43	80	150	104	0.5
		2.5						0.4
		3.0						0.5
		3.5						0.6
65	76	4.0	100	57	41	200	138	0.7
		4.5						0.7
		5.0						0.8
		5.5						0.9
		6.0						1.0
		7.0						1.3
		8.0						1.4
		8.0						1.6
80	89	3.0	120	69	50	240	165	1.7
		3.5						1.7
		4.0						1.9
		4.5						2.1
		5.0						2.3
		5.5						2.7
		6.0						3.0
		7.0						3.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

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Таблица 2—Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с $\theta=90^\circ$, кг
100	102	3.5	150	87	62	300	201	2.1
		4.0						2.4
		4.5						2.6
		5.0						2.9
		6.0						3.4
		7.0						3.9
		8.0						4.5
		9.0						5.0
		10.0						5.5
	108	3.5					204	2.2
		4.0						2.5
		4.5						2.8
		5.0						3.1
		6.0						3.6
		7.0						4.1
		8.0						4.7
		9.0						5.3
		10.0						5.8
	114	3.5					207	2.2
		4.0						2.6
		4.5						2.9
		5.0						3.3
		6.0						3.8
		7.0						4.4
		8.0						5.0
		9.0						5.7
		10.0						6.1
125	133	3.5	190	110	79	380	257	3.3
		4.0						3.8
		4.5						4.3
		5.0						4.8
		6.0						5.7
		7.0						6.5
		8.0						7.4
		9.0						8.2
		10.0						9.1
		11.0						10.0
		12.0						11.0
		12.0						11.0
150	159	4.0	225	130	93	450	305	5.4
		4.5						6.1
		5.0						6.7
		6.0						8.1
		7.0						9.4
		8.0						11.0
		9.0						12.0
		10.0						13.0
		11.0						14.0
		12.0						16.0
		13.0						17.0
		14.0						18.0
	168	4.0						5.6
		4.5						6.4
		5.0						7.1
		6.0						8.5
		7.0						9.8
		8.0						11.2
		9.0						12.5
		10.0						14.0
		11.0						15.0
		12.0						16.0
		13.0						17.5
		14.0						19.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

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Таблица 2— Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода св=90°, кг
200	219	5.0	300	173	124	600	410	13.0
		6.0						15.0
		7.0						17.0
		8.0						20.0
		9.0						22.0
		10.0						25.0
		11.0						27.0
		12.0						29.0
		13.0						32.0
		14.0						34.0
		15.0						37.0
		16.0						39.0
250	273	17.0	375	217	155	750	512	42.0
		18.0						44.0
		6.0						23.0
		7.0						27.0
		8.0						31.0
		9.0						35.0
		10.0						39.0
		11.0						43.0
		12.0						46.0
		13.0						50.0
		14.0						54.0
		15.0						58.0
300	325	16.0	450	260	186	900	613	61.0
		17.0						66.0
		18.0						70.0
		20.0						78.0
		22.0						85.0
		7.0						39.0
		8.0						45.0
		9.0						50.0
		10.0						56.0
		11.0						61.0
		12.0						66.0
		13.0						72.0
350	377	14.0	525	303	217	1050	714	77.0
		15.0						82.0
		16.0						87.0
		17.0						92.0
		18.0						96.0
		20.0						107.0
		22.0						118.0
		24.0						130.0
		26.0						141.0
		28.0						150.0
		9.0						68.0
		10.0						75.0
		11.0						83.0
		12.0						90.0
		13.0						97.0
		14.0						104.0
		15.0						112.0
		16.0						119.0
		18.0						133.0
		20.0						147.0
		22.0						161.0
		24.0						175.0
		26.0						188.0
		28.0						201.0
		30.0						214.0
		32.0						228.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

ГОСТ 17375-2001

Таблица 2— Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с $\theta=90^\circ$, кг
400	426	8.0	600	346	248	1200	813	78.0
		9.0						87.0
		10.0						97.0
		11.0						107.0
		12.0						117.0
		13.0						126.0
		14.0						135.0
		15.0						145.0
		16.0						154.0
		17.0						164.0
		18.0						173.0
		20.0						192.0
		22.0						210.0
		24.0						230.0
		26.0						249.0
		28.0						268.0
		30.0						286.0
		32.0						306.0
		34.0						324.0
500	530	9.0	750	433	310	1500	1015	138.0
		10.0						153.0
		11.0						168.0
		12.0						183.0
		13.0						198.0
		14.0						212.0
		15.0						227.0
		16.0						242.0
		17.0						256.0
		18.0						270.0
		20.0						298.0
		22.0						327.0
		24.0						356.0
		26.0						385.0
		28.0						413.0
		30.0						440.0
		32.0						467.0
		34.0						494.0
		36.0						520.0
600	630	9.0	900	519	373	1800	1215	198.0
		10.0						219.0
		11.0						245.0
		12.0						261.0
		13.0						282.0
		14.0						302.0
		15.0						324.0
		16.0						345.0
		17.0						366.0
		18.0						387.0
		20.0						429.0
		22.0						471.0
		24.0						513.0
		26.0						554.0
		28.0						595.0
		30.0						636.0
		32.0						678.0

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с $\theta = 90^\circ$, кг
700	720	9.0	1000	577	404	2000	1360	248.0
		10.0						275.0
		11.0						302.0
		12.0						329.0
		13.0						356.0
		14.0						383.0
		15.0						410.0
		16.0						436.0
		17.0						462.0
		18.0						489.0
		20.0						542.0
		22.0						595.0
		24.0						647.0
		26.0						698.0
		28.0						750.0
		30.0						801.0
		32.0						852.0
800	820	9.0	1200	693	485	2400	1610	339.0
		10.0						376.0
		11.0						413.0
		12.0						450.0
		13.0						487.0
		14.0						524.0
		15.0						561.0
		16.0						598.0
		17.0						636.0
		18.0						670.0
		20.0						743.0
		22.0						815.0
		24.0						887.0
		26.0						959.0
		28.0						1030.0
		30.0						1101.0
		32.0						1171.0

All the components can be substituted with equivalent or higher-class materials.

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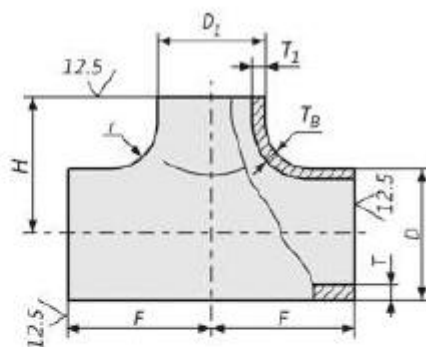
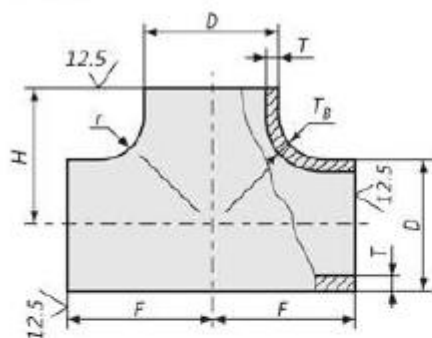


Таблица 2— Тройники исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	F	H	г. не менее	Масса, кг
40	45	2.5	—	—	40	40	5	0.3
		4.0						0.4
		5.0						0.4
50	57	3.0	45	2.5 3.0 4.0	50	45		0.4
		4.0						0.6
		5.0						0.7
		3.0	—	—				0.4
		4.0						0.6
		5.0						0.7
65	76	3.5	45	2.5 4.0 5.0	65	60		0.8
		6.0						1.4
		7.0						1.6
		3.5	57	3.0 5.0 5.5				0.8
		6.0						1.4
		7.0					1.6	
65	76	3.5	—	—	65	60	0.8	
		6.0					1.4	
		7.0					1.6	
		3.5	57	3.0 4.0 5.5			1.5	
		6.0					2.0	
		8.0					2.7	
80	89	3.5	76	3.5 6.0 7.0	80	70	1.5	
		6.0					2.0	
		8.0					2.7	
		3.5	—	—			1.5	
		6.0					2.0	
		8.0					2.7	
100	108	4.0	76	3.5 5.0 6.0 7.0	100	80	2.2	
		6.0					3.3	
		8.0					4.5	
		9.0					4.9	

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Тройники исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	F	H	г. не менее	Масса, кг
100	108	4.0	89	4.0	100	80	5	2.2
		6.0		6.0				3.3
		8.0		8.0				4.5
		9.0		8.0				4.9
		4.0	-	-				2.2
		6.0		-				3.3
		8.0		-				4.5
		9.0		-				4.9
		4.0	89	3.5				2.9
		6.0		5.0				4.1
125	133	8.0		6.0	110	95	6	5.9
		10.0		8.0				6.8
		12.0		9.0				8.0
		4.0	100	4.0				2.9
		6.0		5.0				4.1
		8.0		6.0				5.9
		10.0		8.0				6.8
		12.0		10.0				8.0
		4.0	-	-				2.9
		6.0		-				4.1
		8.0		-				5.9
		10.0		-				6.8
		12.0		-				8.0
150	159	4.5	100	4.0	130	110	8	4.8
		6.0		5.0				6.6
		8.0		6.0				9.0
		10.0		8.0				10.1
		12.0		10.0				12.2
		4.5	133	4.0				4.8
		6.0		5.0				6.6
		8.0		6.0				9.0
		10.0		10.0				10.1
		12.0		12.0				12.2
		4.5	-	-				4.8
		6.0		-				6.6
		8.0		-				9.0
		10.0		-				10.1
		12.0		-				12.2
200	219	6.0	133	5.0	160	140	10	10.2
		8.0		6.0				13.8
		10.0		8.0				16.8
		12.0		10.0				19.9
		16.0		16.0				26.6
		6.0	159	6.0				10.2
		8.0		6.0				13.8
		10.0		8.0				16.8
		12.0		11.0				19.9
		16.0		12.0				26.6
		6.0	-	-				10.2
		8.0		-				13.8
		10.0		-				16.8
		12.0		-				19.9
		16.0		-				26.6

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Тройники исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	F	H	г не менее	Масса, кг
250	273	7.0	159	4.5	190	175	12	18.4
		10.0		6.0				26.0
		12.0		8.0				31.2
		16.0		11.0				41.6
		18.0		12.0				46.8
		7.0	219	6.0				18.4
		10.0		8.0				26.0
		12.0		10.0				31.2
		16.0		12.0				41.6
		18.0		16.0				46.8
300	325	7.0	219	—	220	200	15	18.4
		10.0		—				26.0
		12.0		—				31.2
		16.0		—				41.6
		18.0		—				46.8
		8.0	273	6.0				27.4
		10.0		8.0				34.2
		12.0		10.0				41.1
		16.0		12.0				54.8
		22.0		16.0				75.3
350	377	8.0	273	7.0	240	225	15	27.4
		10.0		10.0				34.2
		12.0		12.0				41.1
		16.0		16.0				54.8
		22.0		18.0				75.3
		8.0	325	—				27.4
		10.0		—				34.2
		12.0		—				41.1
		16.0		—				54.8
		20.0		—				75.3
400	426	10.0	273	7.0	270	250	18	46.0
		12.0		10.0				55.0
		16.0		12.0				73.6
		20.0		16.0				92.0
		10.0	325	8.0				46.0
		12.0		10.0				55.0
		16.0		16.0				73.6
		20.0		18.0				92.0
		10.0	377	—				46.0
		12.0		—				55.0
		16.0		—				73.6
		20.0		—				92.0

All the components can be substituted with equivalent or higher-class materials.

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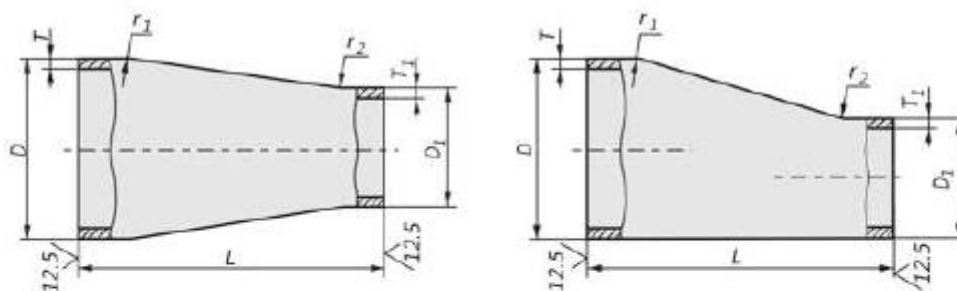


Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
32	38	2.0	32	2.0	30	0.1
		3.0		3.0		0.2
		4.0		4.0		0.2
		2.0	25	1.6		0.1
		3.0		3.0		0.2
		4.0		3.0		0.2
40	45	2.5	25	1.6		0.1
		4.0		3.0		0.2
		5.0		3.0		0.3
		2.5	32	2.0		0.1
		4.0		4.0		0.2
		5.0		5.0		0.3
		2.5	38	2.0		0.1
		4.0		4.0		0.2
		5.0		5.0		0.3
50	57	3.0	25	1.6	45	0.2
		4.0		1.6		0.3
		5.0		3.0		0.3
		6.0		3.0		0.4
		3.0	32	2.0		0.2
		4.0		2.0		0.3
		5.0		3.0		0.3
		6.0		4.0		0.4
		3.0	38	2.0		0.2
		4.0		4.0		0.3
		5.0		4.0		0.3
		6.0		4.0		0.4

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
50	57	3.0	45	2.5	60	0.2
		4.0		2.5		0.3
		5.0		4.0		0.3
		6.0		5.0		0.4
65	76	3.0	38	2.0	55	0.3
		3.5		2.5		0.4
		5.0		3.0		0.6
		6.0		3.0		0.6
		7.0		4.0		0.7
		3.0	45	2.5	70	0.4
		3.5		2.5		0.5
		5.0		4.0		0.6
		6.0		4.0		0.7
		7.0		5.0		0.8
		3.0	57	3.0		0.3
		3.5		3.0		0.4
		5.0		4.0		0.6
		6.0		5.0		0.7
		7.0		6.0		0.8
80	89	3.5	45	2.5	75	0.6
		6.0		4.0		0.9
		8.0		5.0		1.2
		3.5	57	3.0		0.6
		6.0		4.0		0.9
		8.0		5.0		1.2
		3.5	76	3.5		0.6
		6.0		5.0		0.9
		8.0		6.0		1.2
100	108	4.0	57	3.0	80	0.9
		6.0		4.0		1.2
		8.0		5.0		1.6
		9.0		6.0		1.8
		4.0	76	3.5		0.9
		6.0		5.0		1.2
		8.0		6.0		1.6
		9.0		7.0		1.8
		4.0	89	3.5		0.9
		6.0		6.0		1.2
		8.0		8.0		1.6
		9.0		8.0		1.8

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Переходы исполнения2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
100	114	4.0	57	3.0	80	1.0
		6.0		4.0		1.3
		8.0		5.0		1.7
		9.0		6.0		1.9
		4.0	76	3.5		1.0
		6.0		5.0		1.3
		8.0		6.0		1.7
		9.0		7.0		1.9
		4.0	89	3.5		1.0
		6.0		6.0		1.3
		8.0		8.0		1.7
		9.0		8.0		1.9
125	133	4.0	57	3.0	100	1.3
		8.0		4.0		2.5
		10.0		5.0		3.1
		5.0	76	3.5		1.6
		8.0		5.0		2.5
		10.0		6.0		3.1
		4.0	89	3.5		1.3
		6.0		5.0		1.9
		8.0		6.0		2.5
		5.0	108	4.0		1.6
		8.0		6.0		2.5
		8.0		8.0		2.5
		10.0		9.0		3.1
		5.0	114	4.0		1.6
		8.0		6.0		2.5
		8.0		8.0		2.5
		10.0		9.0		3.1
150	159	4.5	57	3.0	75	1.5
		8.0		4.0		2.6
		10.0		5.0		3.2
		12.0		6.0		3.9
		4.5	76	3.5		1.5
		8.0		5.0		2.6
		10.0		6.0		3.2
		12.0		7.0		3.9
		4.5	89	3.5	130	2.3
		8.0		6.0		3.9
		10.0		8.0		4.8
		12.0		8.0		5.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

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Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
150	159	4.5	108	4.0	130	2.3
		8.0		6.0		3.9
		10.0		8.0		4.8
		12.0		9.0		5.9
		4.5	114	4.0		2.3
		8.0		6.0		3.9
		10.0		8.0		4.8
		12.0		9.0		5.9
		4.5	133	4.0		2.3
		8.0		8.0		3.9
		10.0		10.0		4.8
		12.0		10.0		5.9
	168	4.5	57	3.0	75	1.6
		8.0		4.0		2.7
		10.0		5.0		3.3
		12.0		6.0		4.0
		4.5	76	3.5		1.6
		8.0		5.0		2.7
		10.0		6.0		3.3
		12.0		7.0		4.0
		4.5	89	3.5	130	2.6
		8.0		6.0		4.1
		10.0		8.0		5.1
		12.0		8.0		6.2
		4.5	108	4.0		2.6
		8.0		6.0		4.1
		10.0		8.0		5.1
		12.0		9.0		6.2
		4.5	114	4.0		2.6
		8.0		6.0		4.1
		10.0		8.0		5.1
		12.0		9.0		6.2
		4.5	133	4.0		2.6
		8.0		8.0		4.1
		10.0		10.0		5.1
		12.0		10.0		6.2
200	219	6.0	57	3.0	65	2.9
		10.0		4.0		4.6
		12.0		4.0		5.5
		14.0		5.0		6.4
		16.0		6.0		7.3
		8.0	76	3.5		2.9
		10.0		5.0		4.6
		12.0		5.0		5.5
		14.0		6.0		6.4
		16.0		7.0		7.3

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

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Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
200	219	6,0	89	3,5	95	2,9
		10,0		5,0		4,6
		12,0		5,0		5,5
		14,0		6,0		6,4
		16,0		8,0		7,3
		6,0	108	4,0		2,9
		10,0		6,0		4,6
		12,0		8,0		5,5
		14,0		8,0		6,4
		16,0		9,0		7,3
		6,0	114	4,0		2,9
		10,0		6,0		4,6
		12,0		8,0		5,5
		14,0		8,0		6,4
		16,0		9,0		7,3
		6,0	133	4,0	140	4,4
		10,0		8,0		7,2
		12,0		8,0		8,8
		14,0		10,0		10,0
		16,0		10,0		12,0
		6,0	159	4,5		4,4
		10,0		8,0		7,2
		12,0		10,0		8,8
		14,0		12,0		10,0
		16,0		12,0		12,0
		6,0	168	4,5		4,4
		10,0		8,0		7,2
		12,0		10,0		8,8
		14,0		12,0		10,0
		16,0		12,0		12,0
250	273	7,0	108	4,0	140	6,0
		10,0		6,0		8,5
		12,0		8,0		10,0
		14,0		8,0		12,0
		16,0		9,0		13,0
		18,0		9,0		15,0
		7,0	114	4,0		6,0
		10,0		6,0		8,5
		12,0		8,0		10,0
		14,0		8,0		12,0
		16,0		9,0		13,0
		18,0		9,0		15,0
		7,0	133	4,0		6,0
		10,0		6,0		8,5
		12,0		8,0		10,0
		14,0		8,0		12,0
		16,0		10,0		13,0
		18,0		10,0		15,0

All the components can be substituted with equivalent or higher-class materials.

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Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
250	273	7,0	159	4,5	190	8,3
		10,0		8,0		12,0
		12,0		10,0		14,0
		14,0		10,0		16,0
		16,0		12,0		18,0
		18,0		12,0		20,0
		7,0	168	4,5		8,3
		10,0		8,0		12,0
		12,0		10,0		14,0
		14,0		10,0		16,0
		16,0		12,0		18,0
		18,0		12,0		20,0
		7,0	219	6,0		8,3
		10,0		8,0		12,0
		12,0		10,0		14,0
		14,0		12,0		16,0
		16,0		14,0		18,0
		18,0		16,0		20,0
300	325	8,0	108	4,0	140	9,0
		10,0		4,0		11,0
		12,0		6,0		16,0
		14,0		6,0		18,0
		16,0		8,0		20,0
		18,0		8,0		23,0
		22,0		9,0		28,0
		8,0	114	4,0		9,0
		10,0		4,0		11,0
		12,0		6,0		16,0
		14,0		6,0		18,0
		16,0		8,0		20,0
		18,0		8,0		23,0
		22,0		9,0		28,0
		8,0	133	5,0		11,0
		10,0		6,0		13,0
		12,0		8,0		16,0
		14,0		8,0		18,0
		16,0		8,0		20,0
		18,0		10,0		23,0
		22,0		10,0		28,0
		8,0	159	4,5		11,0
		10,0		6,0		14,0
		12,0		8,0		16,0
		14,0		8,0		18,0
		16,0		10,0		20,0
		18,0		10,0		23,0
		22,0		12,0		28,0
		8,0	168	4,0		11,0
		10,0		6,0		14,0
		12,0		8,0		16,0
		14,0		8,0		18,0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

ГОСТ 17378-2001

Таблица 2— Переходы исполнения2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
300	325	16.0	168	10.0	140	20.0
		18.0		10.0		23.0
		22.0		12.0		26.0
		8.0	219	7.0	180	11.0
		10.0		8.0		14.0
		12.0		10.0		17.0
		14.0		10.0		20.0
		16.0		12.0		22.0
		18.0		14.0		25.0
		22.0		16.0		31.0
		8.0	273	7.0		11.0
		10.0		10.0		14.0
		12.0		12.0		17.0
		14.0		12.0		20.0
		16.0		14.0		22.0
		18.0		16.0		25.0
		22.0		18.0		31.0
350	377	12.0	159	6.0	220	22.0
		16.0		8.0		29.0
		20.0		10.0		35.0
		24.0		12.0		42.0
		26.0		12.0		45.0
		12.0	168	6.0		22.0
		16.0		8.0		29.0
		20.0		10.0		35.0
		24.0		12.0		42.0
		26.0		12.0		45.0
		12.0	219	8.0		22.0
		16.0		10.0		29.0
		20.0		12.0		35.0
		24.0		14.0		42.0
		26.0		16.0		45.0
		10.0	273	7.0		20.0
		12.0		10.0		24.0
		14.0		12.0		26.0
		16.0		12.0		31.0
		20.0		16.0		38.0
		24.0		18.0		45.0
		26.0		18.0		49.0
		10.0	325	8.0		20.0
		12.0		10.0		24.0
		14.0		12.0		26.0
		16.0		16.0		31.0
		20.0		18.0		38.0
		24.0		22.0		45.0
		26.0		22.0		49.0
400	426	12.0	159	8.0		37.0
		16.0		10.0		53.0
		20.0		10.0		65.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

ГОСТ 17378-2001

Таблица 2— Переходы исполнения 2

Размеры в миллиметрах

DN	D	T	D ₁	T ₁	L	Масса, кг
400	426	22.0	159	10.0	220	71.0
		26.0		12.0		83.0
		28.0		12.0		89.0
		12.0	168	8.0		37.0
		16.0		10.0		53.0
		20.0		10.0		65.0
		22.0		10.0		71.0
		26.0		12.0		83.0
		28.0		12.0		89.0
		12.0	219	8.0		32.0
		16.0		10.0		45.0
		20.0		12.0		56.0
		22.0		12.0		61.0
		26.0		14.0		72.0
		28.0		16.0		76.0
		12.0	273	10.0		27.0
		16.0		12.0		36.0
		20.0		14.0		44.0
		22.0		14.0		48.0
		26.0		18.0		56.0
		28.0		18.0		59.0
		10.0	325	8.0		23.0
		12.0		10.0		27.0
		14.0		12.0		31.0
		16.0		12.0		36.0
		20.0		16.0		44.0
		22.0		18.0		48.0
		26.0		20.0		56.0
		28.0		22.0		59.0
		10.0	377	10.0		23.0
		12.0		12.0		27.0
		14.0		14.0		31.0
		16.0		16.0		36.0
		20.0		20.0		44.0
		22.0		20.0		48.0
		26.0		24.0		56.0
		28.0		26.0		59.0
500	530	12.0	377	10.0	300	46.0
		14.0		12.0		54.0
		16.0		12.0		61.0
		20.0		16.0		75.0
		22.0		20.0		81.0
		26.0		22.0		94.0
		12.0	426	10.0		46.0
		14.0		12.0		54.0
		16.0		16.0		61.0
		20.0		16.0		75.0
		22.0		20.0		81.0
		26.0		22.0		94.0

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

ГОСТ 17379-2001

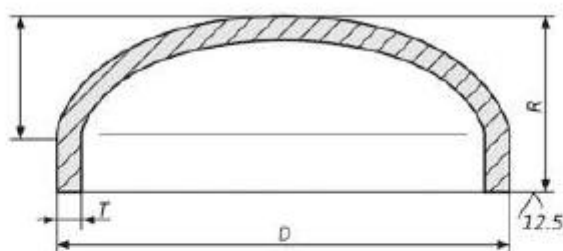


Таблица 2— Заглушки исполнения 2

Размеры в миллиметрах

DN	D	T	K		DN	D	T	K	Масса, кг
25	32	2.0 3.0	15	0.1 0.1	50	57	3.0 5.0	30	0.2 0.3
32	38	2.0 3.0	20	0.1 0.1	65	76	3.5 6.0	40	0.4 0.5
40	45	2.5 4.0		0.1 0.2	80	89	3.5 8.0	45	0.5 0.9
100	108	4.0 8.0	50	0.7 1.3	300	325	10.0 12.0 18.0 20.0	100	11.0 13.0 19.0 21.0
	114	4.0 8.0		0.7 1.3			10.0 12.0 16.0 20.0 24.0		18.0 19.0 26.0 32.0 38.0
125	133	4.0 8.0 10.0	55	0.9 2.0 2.5	350	377	10.0 12.0 16.0 20.0 24.0	115	19.0 23.0 30.0 34.0 42.0 50.0
150	159	4.5 8.0 11.0	65	1.5 2.3 3.2			10.0 12.0 16.0 18.0 22.0 25.0	125	19.0 23.0 30.0 34.0 42.0 50.0
	168	4.5 8.0 11.0		1.5 2.3 3.2	400	426	10.0 12.0 16.0 18.0 22.0 25.0		19.0 23.0 30.0 34.0 42.0 50.0
200	219	8.0 10.0 12.0	75	4.6 5.1 6.1	500	530	10.0 16.0 20.0 22.0 26.0 30.0	150	25.0 40.0 50.0 55.0 65.0 75.0
250	273	7.0 12.0 14.0 18.0	85	4.9 9.2 11.0 14.0					

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

JIS B2311 WEIGHT TABLE



公称直径 Nominal diameter		弯头 Elbow			三通 Tee	大小头 Reducer	管帽 Cap
DN	INCH	45°	90°	180°			
15	1/2"	0.039	0.078	0.156	0.12		0.048
20	3/4"	0.05	0.1	0.2	0.17	0.057	0.058
25	1"	0.073	0.146	0.292	0.32	0.11	0.098
32	1 1/4"	0.126	0.252	0.504	0.56	0.154	0.139
40	1 1/2"	0.175	0.35	0.7	0.78	0.232	0.16
50	2"	0.317	0.634	1.268	1.16	0.364	0.225
65	2 1/2"	0.56	1.12	2.24	1.94	0.594	0.3
80	3"	0.79	1.58	3.16	2.55	0.725	0.4
90	3 1/2"	1.06	2.11	4.22	3.23	0.961	0.704
100	4"	1.46	2.91	5.82	4.27	1.17	0.87
125	5"	2.25	4.49	8.98	6.17	1.74	1.3
150	6"	3.55	7.09	14.18	9.32	2.65	2.05
200	8"	7.2	14.4	28.8	17.5	4.17	3.64
250	10"	12.7	25.4	50.8	29.7	6.87	6.46
300	12"	19.05	38.1	76.2	32	9.97	9.7
350	14"	28.35	56.7	113.4	44.7	21.2	13.26
400	16"	17.15	74.3	148.6	55.2	25.9	16.65
450	18"	47.1	94.2	188.4	70	31.5	21.47
500	20"	59	117	234	86.6	47	27.02
550	22"	71	141	282	106	52	
600	24"	84	168	336	116	57	
650	26"	99	198	396	147	74.5	
700	28"	115	229	458	165	80.5	
750	30"	132	264	528	190	86.6	
800	32"	150	300	600	217	92.6	
850	34"	169	338	676	245	98.6	
900	36"	180	360	720	276	105	
950	38"	212	424	848	308	111	
1000	40"	235	470	940	342	117	
1050	42"	259	518	1036	351	123	
1100	44"	284	569	1138	395	129	
1150	46"	311	622	1244	433	157	
1200	48"	339	677	1354	474	164	

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

DIN WEIGHT TABLE



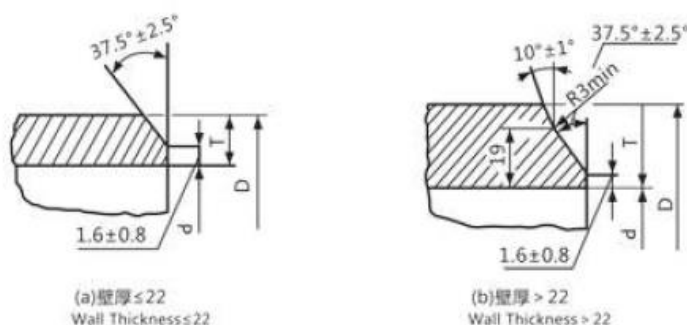
公称直径 Nominal diameter		弯头 Elbow			三通 Tee	大小头 Reducer	管帽 Cap
DN	INCH	45°	90°	180°			
15	1/2"	0.02	0.04	0.08	0.08		0.02
20	3/4"	0.03	0.06	0.12	0.12	0.05	0.02
25	1"	0.06	0.12	0.24	0.26	0.1	0.03
32	1 1/4"	0.1	0.19	0.4	0.45	0.12	0.04
40	1 1/2"	0.16	0.3	0.6	0.58	0.18	0.06
50	2"	0.25	0.49	0.98	0.85	0.3	0.12
65	2 1/2"	0.4	0.79	1.6	1.2	0.47	0.21
80	3"	0.61	1.22	2.44	1.8	0.56	0.28
90	3 1/2"	0.82	1.63	3.25	2.9	0.89	0.36
100	4"	1.19	2.37	4.74	3.1	0.9	0.42
125	5"	2.02	4.04	8.08	5.1	1.7	0.62
150	6"	3.25	6.5	13	9	2.5	1.23
200	8"	7.9	15.8	31.6	18	5	2.21
250	10"	12.45	24.9	49.8	26.5	7.5	5.4
300	12"	20	40	80	42	11	7.3
350	14"	28.6	57.2	114.4	71	22	9.8
400	16"	41.1	82.2	164.4	85	30	16
450	18"	59.5	119	238			
500	20"	81	162	324		68	
550	22"						
600	24"	117.04	234.08	468.16		93	
650	26"						
700	28"	178.7	357.39	714.79			
750	30"						
800	32"	233.6	467.19	934.38			
850	34"						
900	36"						
950	38"						
1000	40"						

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

End Preparation of Butt-Welding Fittings to ASME/ANSI B16.9, B16.28



ASME/ANSI B16.9, B16.28及MSS-43中对焊管件尺寸的极限偏差
Tolerances for Butt-Welding Fittings

项目 Items	管件种类 Type Of Pipe	公称通径DN(in.)Nominal Pipe Size									
		1/2-2 _{1/2}	3-3 _{1/2}	4	5-8	10-18	20-24	26-30	32-48		
极限偏差Max.Deviation											
端部外径D ₁ , D ₂ , D ₃ Outside Diameter At Bevel	所有管件 All Fittings	+1.52 -0.76	± 1.52		+2.29 -1.52	+4.06 -3.05	+6.35 -4.83				
端部内径d Inside Diameter At Bevel		± 0.76	± 1.52		± 3.05		± 4.83				
壁厚T ₁ , T ₂ , T ₃ Wall Thickness		不小于公称壁厚的87.5% Not Less Than 87.5% Of Nominal Wall Thickness									
中心至端面A, B, C, M Center To End	45°、90° 弯头、三通、四通 45° - 90° elbows, tees, crosses	± 1.52				± 2.29	± 3.05		± 4.83		
中心至中心P Center To Center	180° 弯头 180° elbows	± 6.35				± 9.65	-				
背面到端面K Back To End		± 6.35				-					
U		± 0.76				± 1.52	-				
长度L Length	异径管、翻边短节 Reducers, lap Joint Stub Ends	± 1.52				± 2.29	± 4.83				
全长E, E Length	管帽 Tube cap	± 3.05				± 6.35	± 9.65				
搭接直径G1 Diameter of Lap	翻边短节 Lap Joint Stub Ends	0 -0.76				0 -1.52	-				
搭接厚度 Thickness of Lap		+1.52 0				-					
圆角半径R Radius of Arc		0 -0.76				0 -1.52	-				

注:

- 1)端部内径除非用户有特殊要求,应优先保证端部外径和公称壁厚的极限偏差。
- 2)端部内径为端部外径与两倍的公称壁厚的差。

Note:

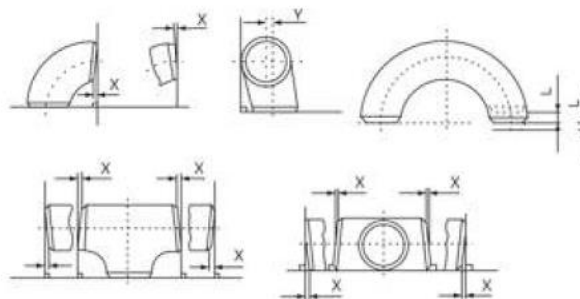
- 1)About the inside diameter at bevel,we should guarantee the tolerances of out side diameter at bevel and nominal wall thickness in priority except the special requirement.
- 2)The inside diameter at bevel is the mathematics difference between outside diameter at bevel and double nominal wall thickness.

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

ASME/ANSI B16.9、B16.28中对焊接管件的形位公差
Angularity Tolerance of Butt-Welding Fittings

公称通径 Nominal Pipe Size DN(in.)	弯头、三通、四通 Elbows, Tees, Crosses	
	X	Y
1/2-4	0.76	1.52
5-8	1.52	3.05
10-12	2.29	4.83
14-16	2.29	6.35
18-24	3.05	9.65
26-30	48.3	9.65
32-42		12.70
44-48		19.05

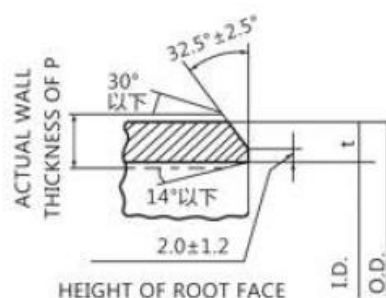


All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Tolerance of dimensions and Shapes of bevelling

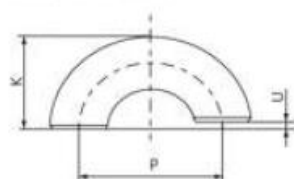


ITEMS	SORTS OF FITTINGS	JIS B 2311							
		NOMINAL DIA.							
		A	15-65	80-100	125-200	250-450	500-600	650-750	800-1200
		B	1/2-2 1/2	3-4	5-8	10-18	20-24	26-30	32-48
		TOLERANCE							
O. D. OF WELDING END	ALL FITTINGS	±20	±25	±35	±45		±60		
I. D. OF WELDING END		±20	±25	±35	±45		±48		
WALL THICKNESS		+NOTSPECIFIED、-15%							
ANGLE OF BEVELLING		PLEASE REFER TO PART DRAWING BELOW							
HEIGHT OF ROOT FACE		PLEASE REFER TO PART DRAWING BELOW							
DIMENSION FROM CENTER TO END(H, F)	45° 90° ELBOW	±20		±32				±48	
DIMENSION FROM CENTER TO CENTER(P)	180° ELBOW	±64		±95		-			
DIMENSION FROM CENTER TO FACE(K)		±64				-			
ALIGNMENT OF ENDS(U)		1.6		32		-			
DIMENSION FROM FACE TO FACE(H)	REDUCER	±20		±32			±48		
DIMENSION FROM CENTER TO END(C, M)	TEE	±20		±32				±48	
DIMENSION FROM BACK TO FACE(E, E1)	CAP	±32		±64			-		
PERIPHERAL LENGHT OF END	ALL FITTINGS	-					±0.5%		

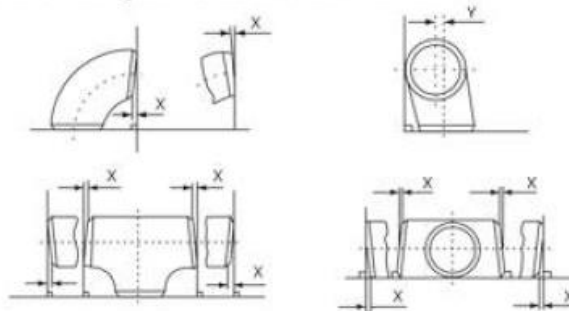
All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

GIGN OF 180° ELBOW



TOLERANCE OF SQVARENESS AGAINST AXIS OF FITTING



SHAPE AND DIMENSIONS OF BEVELLING

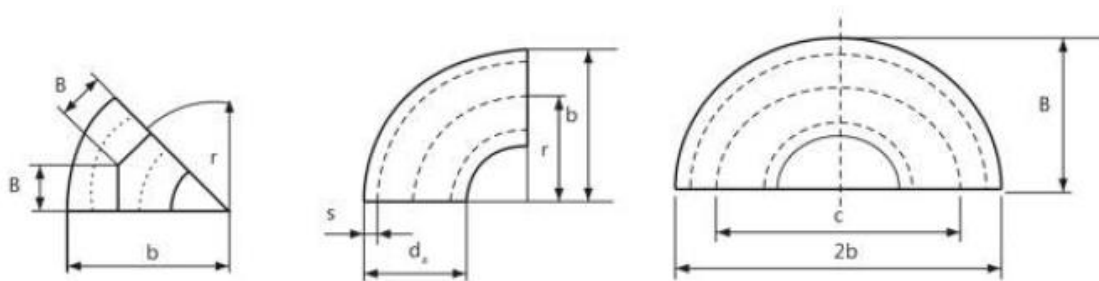
ITEMS	SORTS OF FITTINGS	NOMINAL DIA.								
		A	15-100	125-200	250-300	350-400	450-600	650-750	800-1050	1100-1200
		B	1/2 -4	5-8	10-12	14-16	18-24	26-30	32-42	44-48
OFFE ANGLE (X)	ELBOW,REDVER,TEE	0.8	1.6	2.4		3.2	4.8			
OFF PLAIN (Y)	ELBOW,TEE	1.6	3.2	4.8	6.4	9.5		12.7	19.1	

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

NORME DI RIFERIMENTO

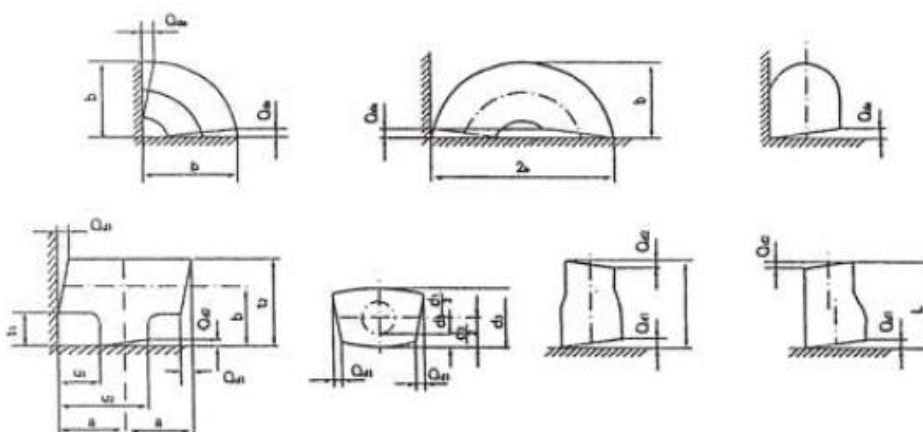
TIPO Δ IATPA ϕ H	TIEPI TPA ϕ H	NORMA	DESCRIZIONE
DIN 2605	Rohrbogen zum Einschweissen-Rohrbogen		
DIN EN 10253-1	Formstücke zum Einschweißen		
			legato



All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL Ref.1100A / PN 10-16

Tolerance of form and position of Steel butt-welding seamless fittings



DIN 2605/2615/2616/2609 EN10253-1对焊管件形位公差表

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16



Nominal Size DN	Thickness 壁厚 s	Limit Deviations for Wall Thickness s 壁厚的极限偏差	
		DIN	EN10253-1
15-400	s ≤ 4mm	-12.5% +15%	-0%+20%
	s > 4mm		-12.5%+15%
450-600	s ≤ 10mm	-0.35mm	Not Specified
	s > 10mm	-0.5mm	

All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

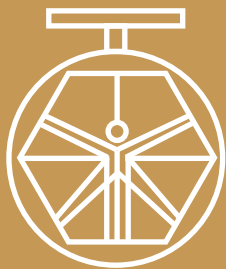
WROUGHT CARBON STEEL WALL THICKNESS STANDARDS

Nominal Pipe Size		Outside Diameter				Nominal Wall Thickness												Nominal Pipe Size	
		ASME	JIS	DIN	JIS (1)	DIN (2)	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	XXS				
15	1/2"	21.3	21.7	21.3	2.8	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	4.78	7.47	15	1/2"
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	5.56	7.82	20	3/4"
25	1"	33.4	34.0	33.7	3.2	2.6	2.77	-	2.90	3.33	3.33	-	4.55	4.55	-	6.35	9.09	25	1"
32	1 1/4"	42.2	42.7	42.4	3.5	2.6	2.77	-	2.97	3.56	3.56	-	4.95	4.95	-	6.35	9.70	32	1 1/4"
40	1 1/2"	48.3	48.6	48.3	3.5	2.9	2.77	-	3.18	3.68	3.68	-	5.08	5.08	-	7.14	10.15	40	1 1/2"
50	2"	60.3	60.5	60.3	3.8	2.9	2.77	-	3.18	3.91	3.91	-	5.54	5.54	-	8.74	11.07	50	2"
65	2 1/2"	73.0	76.3	76.1	4.2	2.9	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-	9.53	14.02	65	2 1/2"
80	3"	88.9	89.1	88.9	4.2	3.2	3.05	-	4.78	5.49	5.49	-	7.62	7.62	-	11.13	15.24	80	3"
90	3 1/2"	101.6	101.6	-	4.2	-	3.05	-	4.78	5.74	5.74	-	8.08	8.08	-	-	-	90	3 1/2"
100	4"	114.3	114.3	114.3	4.5	3.6	3.05	-	4.78	6.02	6.02	-	8.56	8.56	-	11.13	-	100	4"
125	5"	141.3	139.8	139.7	4.5	4.0	3.40	-	-	6.55	6.55	-	9.53	9.53	-	15.99	19.05	125	5"
150	6"	168.3	165.2	166.3	5.0	4.5	3.40	4.5	-	7.11	7.11	-	10.97	10.97	-	18.23	21.95	150	6"
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	23.01	200	8"
250	10"	273.1	267.4	273.0	6.6	6.3	4.19	6.35	7.80	9.27	9.27	12.70	12.70	12.70	15.09	18.26	25.40	250	10"
300	12"	323.9	318.5	323.9	6.9	7.1	4.57	6.35	8.38	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	300	12"
350	14"	355.6	355.6	355.6	7.9	8.0	5.35	7.92	9.53	9.53	11.13	15.09	12.70	12.70	19.05	23.83	27.79	350	14"
400	16"	406.4	406.4	406.4	7.9	8.8	6.35	7.92	9.53	9.53	12.70	16.65	12.70	12.70	21.44	26.19	30.96	400	16"
450	18"	457.2	457.2	457.0	7.9	10.0	6.35	7.92	11.13	9.53	14.27	19.05	12.70	12.70	23.83	29.36	34.93	450	18"
500	20"	508.0	508.0	508.0	7.9	11.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	12.70	26.19	32.54	38.10	500	20"
550	22"	558.8	558.8	-	-	-	6.35	9.53	12.70	9.53	-	22.23	12.70	12.70	28.58	34.93	41.28	550	22"
600	24"	609.6	609.6	610.0	-	12.5	6.35	9.53	14.27	9.53	17.48	24.61	12.70	12.70	30.96	38.09	46.02	600	24"
650	26"	660.4	660.4	-	-	-	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	650	26"
700	28"	711.2	711.2	711.0	-	12.5	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	700	28"
750	30"	762.0	762.0	-	-	-	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	750	30"
800	32"	812.8	812.8	813.0	-	12.5	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	800	32"
850	34"	863.6	863.6	-	-	-	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	850	34"
900	36"	914.4	914.4	914.0	-	12.5	7.92	12.70	15.88	9.53	19.05	-	12.70	-	-	-	-	900	36"
950	38"	965.2	965.2	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	950	38"
1000	40"	1016.0	1016.0	1016.0	-	12.5	-	-	-	9.53	-	-	12.70	-	-	-	-	1000	40"
1050	42"	1066.8	1066.8	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	1050	42"
1100	44"	1117.6	1117.6	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	1100	44"
1150	46"	1168.4	1168.4	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	1150	46"
1200	48"	1219.2	1219.2	1220.0	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	1200	48"

TECHNICAL DATA

All the components can be substituted with equivalent or higher-class materials.

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