

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



**DAVINCI
VALVES™**

FICHA TECNICA

WATER series

FITTINGS CARBON STEEL

**DAVINCI
VALVES™**



**QUALITY
ASSUREMENT**

**DAVINCI
VALVES™**



**PRODUCT QT
ASSUREMENT**

**DAVINCI
VALVES™**



**COMPANY QT
ASSUREMENT**

www.davincivalves.com

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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



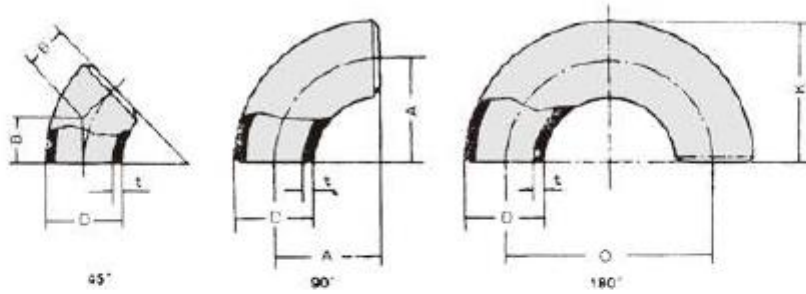
TECHNICAL DATA

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

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: 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
	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	1.650	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	2.675	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

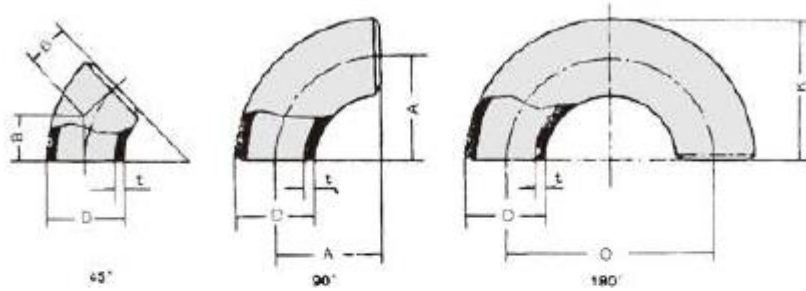
Sch. No.	Wall Thickness: t 壁厚: t		Approx. Weight 理论重量		
	t		45° kg	90° kg	180° kg
	inch	mm			
Std/40 XS/80	0.109	2.77	0.04	0.08	0.16
	0.147	3.73	0.05	0.10	0.20
Std/40 XS/80	0.113	2.87	0.04	0.08	0.16
	0.154	3.91	0.07	0.14	0.28
Std/40 XS/80 160	0.133	3.38	0.08	0.15	0.30
	0.179	4.55	0.10	0.19	0.38
	0.250	6.35	0.13	0.25	0.50
Std/40 XS/80 160	0.140	3.56	0.13	0.25	0.50
	0.191	4.85	0.17	0.33	0.66
	0.250	6.35	0.21	0.42	0.84
Std/40 XS/80 160 XXS	0.145	3.68	0.18	0.36	0.72
	0.200	5.08	0.25	0.49	0.98
	0.281	7.14	0.33	0.65	1.30
	0.400	10.15	0.43	0.85	1.72
Std/40 XS/80 160 XXS	0.154	3.91	0.33	0.65	1.30
	0.218	5.54	0.45	0.90	1.80
	0.344	8.74	0.67	1.33	2.66
	0.436	11.07	0.81	1.61	3.22
Std/40 XS/80 160 XXS	0.203	5.16	0.65	1.29	2.58
	0.276	7.01	0.86	1.71	3.42
	0.375	9.53	1.12	2.23	4.46
	0.552	14.02	1.53	3.05	6.10
Std/40 XS/80 160 XXS	0.216	5.49	1.02	2.03	4.06
	0.300	7.62	1.37	2.74	5.48
	0.438	11.13	1.92	3.83	7.66
	0.600	15.24	2.49	4.97	9.94

TECHNICAL DATA

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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		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
	Outside Diameter at Bevel: D 坡口处外径: D		
	inch	mm	
4	4.500	114.3	A=152.4 B=63.5 O=304.8 K=209.6
5	5.363	141.3	A=190.5 B=79.2 O=391.0 K=261.9
6	6.625	168.3	A=228.6 B=95.3 O=457.2 K=312.7
8	8.625	219.1	A=304.8 B=127.0 O=609.6 K=414.3
10	10.750	273.0	A=381.0 B=158.8 O=762.0 K=517.7

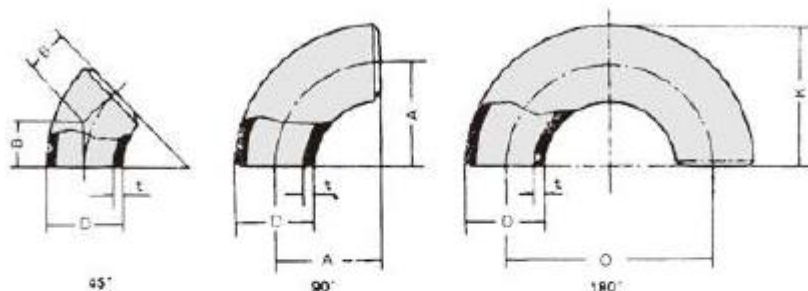
Sch. No.	Wall Thickness: t 壁厚: t		Approx. Weight 理论重量		
	t		45° kg	90° kg	180° kg
	inch	mm			
Std/40	0.237	6.02	1.93	3.65	7.70
XS/80	0.337	8.56	2.67	5.34	10.7
120	0.438	11.13	3.39	6.78	13.6
160	0.531	13.49	4.02	8.03	16.1
XXS	0.674	17.12	4.91	9.82	19.6
Std/40	0.258	6.55	3.26	6.51	13.0
XS/80	0.375	9.53	4.64	9.27	18.5
120	0.500	12.70	6.05	12.1	24.2
160	0.625	15.88	7.35	14.7	29.4
XXS	0.750	19.05	8.60	17.2	34.4
Std/40	0.260	7.11	5.05	10.1	20.2
XS/80	0.432	10.97	7.65	15.3	30.6
120	0.562	14.27	9.75	19.5	39.0
160	0.719	18.26	12.1	24.2	48.4
XXS	0.864	21.95	14.2	28.4	56.4
20	0.250	6.35	7.95	15.9	31.8
30	0.277	7.04	8.80	17.6	35.2
Std/40	0.322	8.18	10.2	20.4	40.8
60	0.406	10.31	12.7	25.4	50.8
XS/80	0.500	12.70	15.5	30.9	61.8
100	0.594	15.09	18.2	36.3	72.6
120	0.719	18.26	21.7	43.3	86.6
140	0.812	20.62	24.2	48.3	96.6
160	0.906	23.01	26.7	53.3	107
XXS	0.675	22.23	25.9	51.7	103
20	0.250	6.35	12.5	25.0	50.0
30	0.307	7.80	15.3	30.5	61.0
Std/40	0.365	9.27	18.1	36.1	72.2
XS/60	0.500	12.70	24.4	48.8	97.6
80	0.594	15.09	28.7	57.3	115
100	0.719	18.26	34.3	68.6	137
120	0.844	21.44	39.8	79.5	169
140/XXS	1.000	25.40	46.4	92.8	186
160	1.125	28.58	51.5	103	206

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

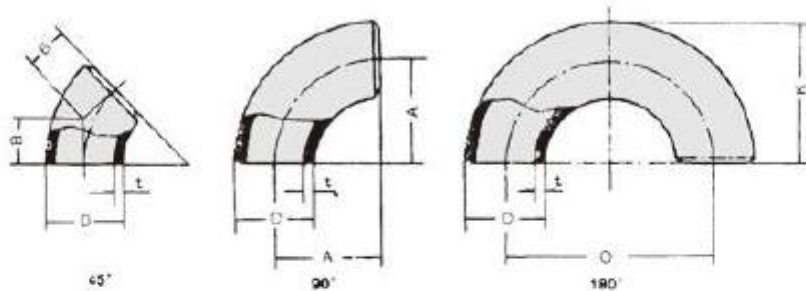


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Wall Thickness: t 壁厚 t		Approx. Weight 理论重量			
	Outside Diameter at Bevel: D 坡口处外径: D			Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
12	12.750	323.9	A=457.2 B=190.5 O=914.4 K=619.3	20	0.250	6.35	17.0	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				
160	1.312	33.32	85.5	171	342				
14	14.000	355.6	A=533.4 B=222.3 O=1066.8 K=711.2	10	0.250	6.35	22.9	45.5	91.0
				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
140	1.250	31.75	106	212	424				
160	1.406	35.71	118	236	472				
16	16.000	406.4	A=609.6 B=254.0 O=1219.2 K=812.8	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
				140	1.438	36.53	160	319	638
160	1.594	40.49	175	350	700				
18	18.000	457.0	A=695.8 B=295.8 O=1371.6 K=914.4	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				

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

Elbows Long Radius ASME/ANSI B16.9

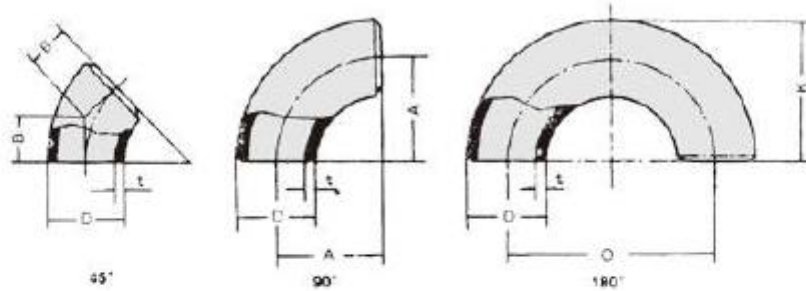


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Wall Thickness:t 壁厚:t		Approx. Weight 理论重量				
	Outside Diameter at Bevel:D 坡口处外径:D		Center End:A/B 中心至端面:A/B Center to Center:O 中心至中心:O Back to Face:K 顶缘至端面:K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
20	20.000	508.0	A=762.0 B=317.5 O=1524.0 K=1016.0	10	0.250	6.35	47.0	94.0	188
				Std/20	0.375	9.63	70.0	140	280
				XS/30	0.500	12.70	93.0	186	372
				40	0.594	15.09	110	219	438
				60	0.812	20.62	149	297	594
				80	1.031	26.19	186	372	744
				100	1.281	32.54	229	457	914
				120	1.500	38.10	264	528	1056
				140	1.750	44.45	305	609	1218
160	1.969	50.01	338	676	1352				
22	22.000	559.0	A=838.2 B=342.9 O=1676.4 K=1117.6	10	0.250	6.35	57.0	114	228
				Std/20	0.375	9.53	85.0	170	340
				XS/30	0.500	12.70	113	225	450
				60	0.675	17.15	149	297	594
				80	1.125	28.58	240	482	964
				100	1.375	34.93	297	594	1188
				120	1.625	41.28	347	694	1388
				140	1.875	47.63	395	790	1580
				160	2.125	53.98	443	885	1770
24	24.000	610.0	A=914.4 B=381.0 O=1828.8 K=1219.2	10	0.250	6.35	68	136	272
				Std/20	0.375	9.53	101	202	404
				XS	0.500	12.70	135	269	538
				30	0.562	14.27	161	301	602
				40	0.688	17.48	183	366	732
				60	0.969	24.61	255	510	1020
				80	1.219	30.96	317	634	1268
				100	1.531	38.89	393	786	1572
				120	1.812	46.02	460	919	1838
140	2.062	52.37	515	1033	2066				
160	2.344	59.34	580	1160	2320				
26	26.000	650.0	A=990.6 B=406.4	10	0.312	7.92	99	198	
				Std	0.375	9.53	119	238	
				XS/20	0.500	12.70	158	316	

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

Elbows Long Radius ASME/ANSI B16.9

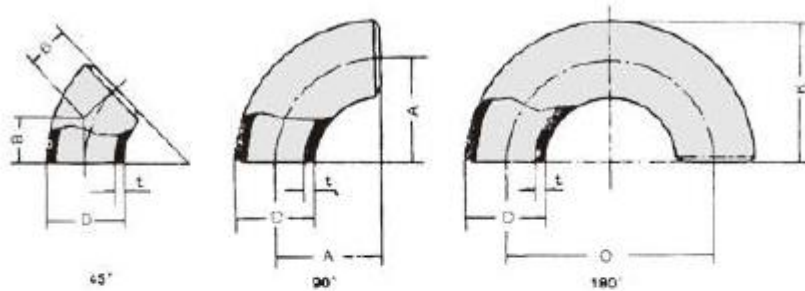


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness: t 壁厚 t		Approx. Weight 理论重量			
	Outside Diameter at Bevel: D 坡口处外径: D		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
28	28.000	711.0	A=1066.8 B=469.9	10	0.312	7.92	115	230	
				Std	0.375	9.53	138	276	
				XS/20	0.500	12.70	184	367	
				30	0.625	15.88	228	456	
30	30.000	762.0	A=1143.0 B=469.9	10	0.312	7.92	132	264	
				Std	0.375	9.53	159	318	
				XS/20	0.500	12.70	211	421	
				30	0.625	15.88	262	524	
32	32.000	813.0	A=1219.2 B=501.7	10	0.312	7.92	151	301	
				Std	0.375	9.53	181	362	
				XS/20	0.500	12.70	240	480	
				30	0.625	15.88	299	597	
34	34.000	864.0	A=1295.4 B=533.4	10	0.312	7.92	170	340	
				Std	0.375	9.53	204	408	
				XS/20	0.500	12.70	271	542	
				30	0.625	15.88	338	675	
36	36.000	914.0	A=1371.6 B=565.2	10	0.312	7.92	191	381	
				Std	0.375	9.53	229	458	
				XS/20	0.500	12.70	304	608	
				30	0.625	15.88	379	758	
40	40.000	1016.0	A=1524.0 B=632.0	40	0.750	19.05	463	906	
				Std	0.375	9.53	257	514	1028
38	38.000	965.0	A=1448.0 B=600.0	XS	0.500	12.7	341.5	683	1366
				Std	0.375	9.53	285	570	1140
40	40.000	1016.0	A=1524.0 B=632.0	XS	0.500	12.7	378.5	757	1514
				Std	0.375	9.53	285	570	1140

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

Elbows Long Radius ASME/ANSI B16.9

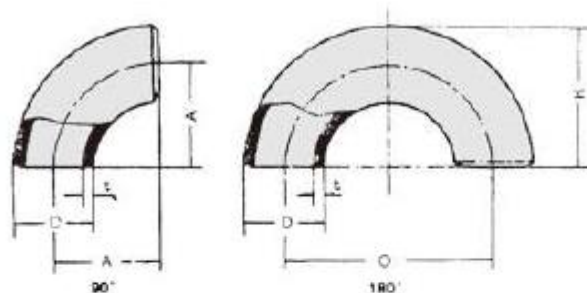


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Wall Thickness: t 壁厚: t		Approx. Weight 理论重量				
	Outside Diameter at Bevel: D 坡口处外径: D		Center End: A/B 中心至端面: A/B Center to Center: C 中心至中心: C Back to Face: K 顶端至端面: K mm	Sch. No.	t		45° kg	90° kg	180° kg
	inch	mm			inch	mm			
42	42.000	1067.0	A=1600.0 B=660.0	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=695.0	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=727.0	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=759.0	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

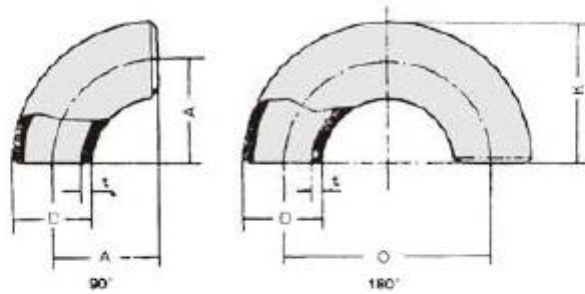


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness 壁厚 t		Approx. Weight 理论重量		
	Outside Diameter at Bevel O 坡口处外径 O		Center End A/B 中心至端面 A/B Center to Center O 中心至中心 O Back to Face: K 顶端至端面 K mm	Sch. No.	t		90° kg	180° kg
	inch	mm			inch	mm		
1	1.315	33.4	A=25.4 O=50.8 K=41.1	Std/40 XS/80 160 XXS	0.133 0.179 0.250 0.358	3.38 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	0.258 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

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

Elbows Short Radius ASME/ANSI B16.28

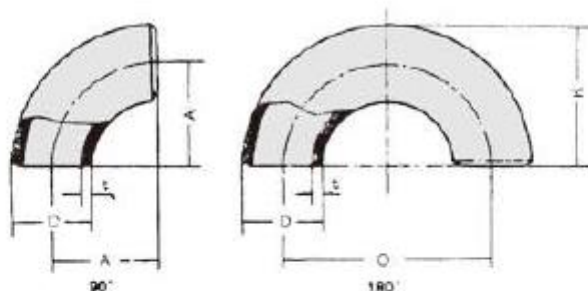


Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Center End A/B 中心至端面 A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Wall Thickness: t 壁厚: t		Approx. Weight 理论重量			
	Outside Diameter at Bevel: D 坡口处外径: D	inch		mm	Sch. No.	t		90° kg	180° kg
						inch	mm		
6	6.625	169.3	A=152.4 O=304.8 K=236.5	Std/40	0.280	7.11	6.77	13.5	
				XS/80	0.432	10.97	10.2	20.4	
				120	0.562	14.27	13.0	26.0	
				160	0.719	18.26	16.2	32.4	
				XXS	0.864	21.95	19.0	38.0	
8	8.625	219.1	A=203.2 O=406.4 K=312.7	20	0.250	6.35	10.6	21.2	
				30	0.277	7.04	11.8	23.6	
				Std/40	0.322	8.18	13.0	27.2	
				60	0.406	10.31	16.9	33.8	
				XS/80	0.500	12.70	20.9	41.8	
				100	0.594	15.09	24.2	48.4	
				120	0.719	18.26	28.8	57.6	
				140	0.812	20.62	32.2	64.4	
				160	0.906	23.01	35.5	71.0	
				XXS	0.875	22.23	34.4	68.8	
10	10.750	273.0	A=254.0 O=508.0 K=390.7	20	0.250	6.35	16.7	33.4	
				30	0.307	7.80	20.4	40.8	
				Std/40	0.365	9.27	24.1	48.2	
				XS/60	0.500	12.70	32.5	65.0	
				80	0.594	15.09	38.2	76.4	
				100	0.719	18.26	45.7	91.4	
				120	0.844	21.44	53.0	106.0	
				140/XXS	1.000	25.40	61.9	124.0	
160	1.125	28.58	68.7	137.0					
12	12.750	323.9	A=304.8 O=609.6 K=466.9	20	0.250	6.35	23.8	47.6	
				30	0.330	8.38	31.2	62.4	
				Std	0.375	9.53	35.4	70.8	
				40	0.406	10.31	38.2	76.4	
				60	0.562	14.27	52.2	104.0	
				XS	0.500	12.70	46.7	93.4	
				80	0.688	17.48	63.1	126.0	
				100	0.844	21.44	76.6	153.0	
				120/XXS	1.000	25.40	89.5	179.0	
				140	1.125	28.58	99.6	199.0	
				160	1.312	33.32	114.0	228.0	

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



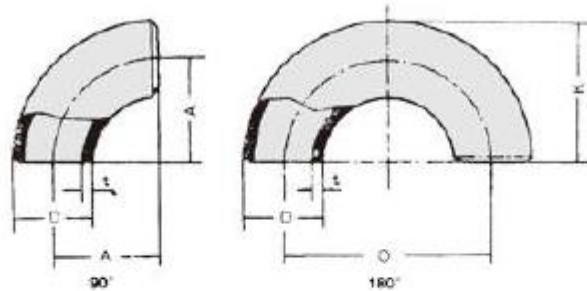
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸		Center End A/B 中心至端面 A/B Center to Center: C 中心至中心: C Back to Face: K 顶端至端面: K mm
	Outside Diameter at Bevel: D 坡口处外径: D		
	inch	mm	
14	14.000	355.6	A=355.6 C=711.2 K=533.4
16	16.000	406.4	A=406.4 C=812.8 K=609.6
18	18.000	457.0	A=457.0 C=914.4 K=685.8
20	20.000	508.0	A=508.0 C=1016.0 K=762.0

Sch. No.	Wall Thickness: t 壁厚: t		Approx. Weight 理论重量	
	t		90° kg	180° kg
	inch	mm		
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
10	0.250	6.35	40.0	80.0
30	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	426
160	1.594	40.49	233	466
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
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



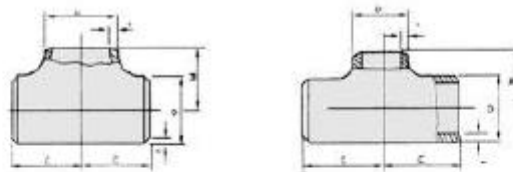
Nominal Pipe Size 公称尺寸 inch	Dimensions 尺寸			Wall Thickness: t 壁厚: t		Approx. Weight 理论重量		
	Outside Diameter at Bevel: D 坡口处外径: D		Center End: A/B 中心至端面: A/B Center to Center: O 中心至中心: O Back to Face: K 顶端至端面: K mm	Sch. No.	t		90° kg	180° kg
	inch	mm			inch	mm		
22	22.000	550	A=558.8 O=1117.6 K=838.3	10	0.250	6.35	75.9	152
				Std/20	0.375	9.53	113	226
				XS/30	0.500	12.70	150	300
				60	0.875	22.23	258	516
				80	1.125	28.58	328	656
				100	1.375	34.93	396	792
				120	1.625	41.28	462	924
24	24.000	610	A=609.6 O=1219.2 K=914.4	10	0.250	6.35	90.5	181
				Std/20	0.375	9.53	135	270
				30	0.562	14.27	201	402
				40	0.688	17.48	244	488
				60	0.969	24.61	340	680
				XS	0.500	12.70	179	358
				80	1.219	30.96	423	846
100	1.531	38.89	524	1048				
120	1.812	46.02	612	1224				
140	2.062	52.37	680	1378				
160	2.344	59.54	773	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)



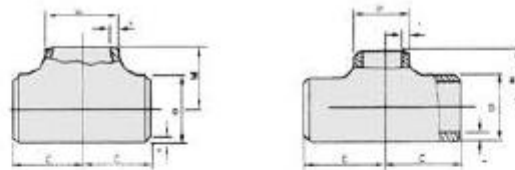
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pes approx weight							
DN	INCH	D x D ₀	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
20 × 20	3/4 × 3/4	25 × 25 26.7 × 26.7	29	29	0.07 0.08	0.10 0.11	0.12 0.13	0.13 0.15	0.13 0.15	0.16 0.18	0.16 0.18	–
20 × 15	3/4 × 1/2	25 × 18 26.7 × 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 × 25	1 × 1	32 × 32 33.4 × 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 × 20	1 × 3/4	32 × 35 33.4 × 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 × 15	1 × 1/2	32 × 18 33.4 × 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 × 32	1.1/4 × 1.1/4	38 × 38 42.2 × 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 × 25	1.1/4 × 1	38 × 32 42.2 × 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 × 20	1.1/4 × 3/4	38 × 35 42.2 × 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 × 15	1.1/4 × 1/2	38 × 18 42.2 × 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 × 40	1.1/2 × 1.1/2	45 × 45 48.3 × 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 × 32	1.1/2 × 1.1/4	45 × 38 48.3 × 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 × 25	1.1/2 × 1	45 × 32 48.3 × 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 × 20	1.1/2 × 3/4	45 × 25 48.3 × 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 × 15	1.1/2 × 1/2	45 × 18 48.3 × 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 × 50	2 × 2	57 × 57 60.3 × 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 × 40	2 × 1.1/2	57 × 45 60.3 × 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 × 32	2 × 1.1/4	57 × 38 60.3 × 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 × 25	2 × 1	57 × 32 60.3 × 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 × 20	2 × 3/4	57 × 25 60.3 × 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 × 65	2.1/2 × 2.1/2	76 × 76 73.0 × 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 × 50	2.1/2 × 2	76 × 57 73.0 × 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 × 40	2.1/2 × 1.1/2	75 × 45 73.0 × 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 × 32	2.1/2 × 1.1/4	76 × 38 73.0 × 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 × 25	2.1/2 × 1	76 × 32 73.0 × 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)

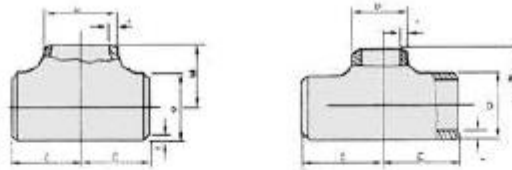


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ x D ₂	G	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
80 x 80	3 x 3	89 x 89	86	86	1.16	1.68	2.21	3.02	3.02	4.19	4.19	-
80 x 65	3 x 2 1/2	89 x 57 88.9 x 73.0	86	83	1.11 1.10	1.62 1.60	2.13 2.08	2.89 2.87	2.89 3.08	4.02 3.98	4.02 3.98	-
80 x 50	3 x 2	89 x 57 88.9 x 60.3	86	76	1.06 1.07	1.53 1.55	2.05 2.10	2.76 2.79	2.76 2.79	3.81 3.85	3.81 3.85	-
80 x 40	3 x 1 1/2	89 x 45 88.9 x 48.3	86	73	1.01 1.03	1.49 1.50	1.98 2.01	2.67 2.69	2.67 2.69	3.70 3.73	3.70 3.73	-
80 x 32	3 x 1 1/4	89 x 38 88.9 x 42.2	86	70	1.00 1.00	1.48 1.45	1.97 1.95	2.65 2.60	2.65 2.60	3.68 3.60	3.68 3.60	-
90 x 90	3 1/2 x 3 1/2	101.6 x 101.6	95	95	1.33	1.92	2.53	3.61	3.61	5.08	5.08	-
90 x 80	3 1/2 x 3	101.6 x 88.9	95	92	1.26	1.82	2.41	3.43	3.43	4.83	4.83	-
90 x 65	3 1/2 x 2 1/2	101.6 x 73.0	95	89	1.22	1.76	2.35	3.32	3.32	4.67	4.67	-
90 x 50	3 1/2 x 2	101.6 x 60.3	95	83	1.20	1.73	2.31	3.25	3.25	4.57	4.57	-
90 x 40	3 1/2 x 1 1/2	101.6 x 48.3	95	79	1.17	1.70	2.26	3.21	3.21	4.51	4.51	-
100 x 100	4 x 4	108 x 108 114.3 x 114.3	105	105	1.66 1.75	2.41 2.34	3.02 3.26	4.75 5.01	4.75 5.01	6.75 7.12	6.75 7.12	8.78 9.26
100 x 90	4 x 3 1/2	114.3 x 101.6	105	102	1.70	2.46	3.19	4.85	4.85	6.89	6.89	8.96
100 x 80	4 x 3	108 x 89 114.3 x 88.9	105	98	1.55 1.61	2.24 2.33	3.16 3.21	4.42 4.60	4.42 4.60	6.27 6.52	6.27 6.52	8.15 8.48
100 x 65	4 x 2 1/2	108 x 76 114.3 x 73.0	105	95	1.53 1.60	2.21 2.31	3.09 3.11	4.36 4.56	4.36 4.56	6.50 6.50	6.50 6.50	8.45 8.45
100 x 50	4 x 2	108 x 57 114.3 x 60.3	105	89	1.51 1.57	2.19 2.29	3.08 3.19	4.32 4.41	4.32 4.41	6.13 6.12	6.13 6.12	7.97 8.25
100 x 40	4 x 1 1/2	108 x 45 114.3 x 48.3	105	86	1.50 1.55	2.09 2.24	2.92 3.19	4.22 4.00	4.22 4.00	6.03 6.02	6.06 6.04	7.89 9.11
125 x 125	5 x 5	133 x 133 141.3 x 141.3	124	124	3.18 3.37	3.91 4.14	6.17 6.31	7.53 7.98	7.53 7.98	10.9 11.6	10.9 11.6	16.4 15.4
125 x 100	5 x 4	133 x 108 141.3 x 114.3	124	117	3.03 3.15	3.73 3.90	5.76 5.91	7.20 7.52	7.20 7.52	10.4 10.8	10.4 10.8	13.9 14.5
125 x 90	5 x 3 1/2	141.3 x 101.6	124	114	3.09	3.83	5.83	7.39	7.39	10.6	10.6	14.2
125 x 80	5 x 3	133 x 89 141.3 x 88.9	124	111	2.90 3.02	3.59 3.74	5.42 5.71	6.92 7.21	6.92 7.21	10.0 10.4	10.0 10.4	13.3 13.8
125 x 65	5 x 2 1/2	133 x 76 141.3 x 73.0	124	108	2.85 3.00	3.59 3.73	5.40 5.71	6.92 7.20	6.92 7.20	10.0 10.4	10.0 10.4	13.3 13.8
125 x 50	5 x 2	133 x 57 141.3 x 60.3	124	105	2.80 3.92	3.58 3.73	5.38 5.70	6.92 7.20	6.92 7.20	10.0 10.4	10.0 10.4	13.3 13.8
150 x 150	6 x 6	159 x 159 168.3 x 168.3	143	143	4.09 4.32	5.03 5.31	8.91 9.10	10.5 11.1	10.5 11.1	16.2 17.1	16.2 17.1	21.0 22.2
150 x 125	6 x 5	159 x 133 168.3 x 141.3	143	137	3.84 4.13	4.73 5.08	8.33 9.01	9.88 10.6	9.88 10.6	15.2 16.3	15.2 16.3	19.8 21.3
150 x 100	6 x 4	159 x 108 168.3 x 114.3	143	130	3.76 3.95	4.64 4.87	8.21 8.55	9.70 10.2	9.70 10.2	14.9 15.6	14.9 15.6	19.3 20.3
150 x 90	6 x 3 1/2	168.3 x 101.6	143	127	3.91	4.82	8.46	10.1	10.1	15.5	15.5	20.1
150 x 80	6 x 3	159 x 89 168.3 x 88.9	143	124	3.72 3.93	4.56 4.82	8.09 8.43	9.56 10.1	9.56 10.1	14.7 15.3	14.7 15.3	19.0 20.2
150 x 65	6 x 2 1/2	159 x 76 168.3 x 73.0	143	121	3.70 3.81	4.51 4.72	7.93 8.33	9.51 10.0	9.51 10.0	14.6 15.2	14.6 15.2	19.2 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)

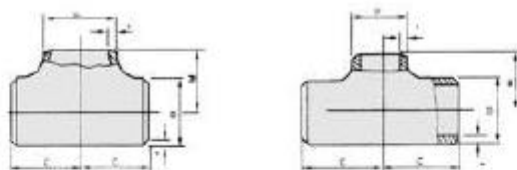


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pes approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
200 × 200	8 × 8	219 × 219	178	178	7.72	10.4	17.7	22.8	22.8	35.4	35.4	50.8
200 × 150	8 × 6	219 × 159 219.1 × 141.3	178	168	6.74 7.17	9.20 9.74	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	15.6	19.9	20.2	31.3	31.3	45.0
250 × 250	10 × 10	273 × 273	216	216	14.6	18.04	27.39	40.4	40.4	61.1	65.12	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	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	33.1	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	38.0	63.0	75.9	101	101	170	246
400 × 350	16 × 14	426 × 377 406.4 × 355.6	305	305	31.4 32.0	36.1 36.8	59.8	72.3	96.4	96.1	162	234
400 × 300	16 × 12	426 × 325 406.4 × 323.9	305	295	30.4 31.0	34.9 35.6	57.9	70.1	93.4	92.9	170	226
400 × 250	16 × 10	426 × 273 406.4 × 273.1	305	283	28.2 30.2	34.4 34.7	57.7	69.1	90.8	89.2	168	209
400 × 200	16 × 8	426 × 219 406.4 × 219.1	305	273	28.7 29.5	33.0 33.9	54.7	66.6	88.7	87.8	161	209
					28.1	32.3	53.5	65.1	86.8	86	157	

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

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

TEES (STRAIGHT AND REDUCING)

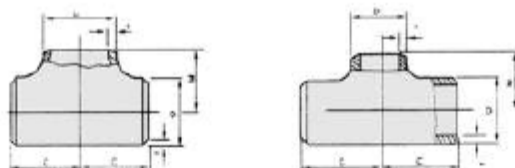


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ x D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
400 x 150	16 x 6	426 x 159	305	264	29.2	33.5	55.6	67.6	90.1	89.2	163	217
		406.4 x 168.3			27.7	31.8	52.8	64.4	85.8	84.8	155	206
450 x 450	18 x 18	478 x 478	343	343	41.9	47.8	79.2	95.3	142	127	233	349
		457 x 457			39.8	45.5	75.4	88.9	136	120	218	332
450 x 400	18 x 16	478 x 426	343	330	41.0	46.8	77.5	93.3	140	144	233	342
		457 x 406.4			39.0	44.5	73.8	89.9	133	118	222	325
450 x 350	18 x 14	478 x 377	343	330	40.4	46.1	76.3	91.9	137	142	229	336
		406.4 x 355.6			38.3	43.8	72.5	87.3	130	135	228	320
450 x 300	18 x 12	478 x 325	343	321	39.8	45.4	75.2	90.6	135	140	226	331
		457 x 323.9			37.3	42.8	70.6	85.0	127	131	212	316
450 x 250	18 x 10	478 x 273	343	308	39.3	44.9	74.4	89.6	134	138	223	328
		457 x 273.1			37.3	42.6	70.6	85.0	127	131	212	316
450 x 200	18 x 8	478 x 219	343	298	36.8	44.3	73.4	89.1	132	137	220	325
		457 x 219.1			36.9	42.1	69.7	84.7	126	130	209	313
500 x 500	20 x 20	529 x 529	381	381	58.9	68.2	117	117	186	156	322	469
		508 x 508			56.3	65.3	112	112	178	149	308	449
500 x 450	20 x 18	529 x 478	381	368	57.9	67.1	115	115	183	154	317	462
		508 x 457			55.4	64.2	110	110	175	147	303	441
500 x 400	20 x 16	529 x 426	381	356	57.0	66.0	113	113	180	151	312	454
		508 x 406.4			54.7	63.4	109	109	173	145	299	436
500 x 350	20 x 14	529 x 377	381	356	56.0	64.9	111	111	177	149	306	446
		508 x 355.6			53.7	62.3	107	107	170	142	294	428
500 x 300	20 x 12	529 x 325	381	346	55.0	63.8	109	109	174	146	301	438
		508 x 323.9			52.8	61.2	105	105	167	140	289	421
500 x 250	20 x 10	529 x 273	381	333	54.4	63.0	108	108	172	144	298	433
		508 x 273.1			52.2	60.5	104	104	165	138	286	416
500 x 200	20 x 8	529 x 219	381	324	53.7	62.3	107	107	170	142	294	428
		508 x 219.1			51.5	59.7	102	102	163	137	282	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	432	432	96.0	110	165	165	300	220	503	797
		610 x 610			93.9	107	161	161	295	215	496	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	432	432	92.2	105	158	158	290	211	491	765
		610 x 508			86.4	99.4	148	148	270	198	472	701
600 x 450	24 x 18	630 x 478	432	419	86.4	101	152	152	280	202	478	734
		610 x 457			84.5	96.9	145	145	265	193	466	694
600 x 400	24 x 16	630 x 426	432	406	86.4	99.1	148	148	270	198	472	718
		610 x 406.4			83.2	95.7	143	143	260	191	463	690
600 x 350	24 x 14	630 x 377	432	406	85.5	98.0	147	147	265	195	469	710
		610 x 355.6			81.7	93.5	140	140	255	197	457	678
600 x 300	24 x 12	630 x 325	432	397	83.5	95.8	143	143	255	191	463	678
		610 x 323.9			79.8	91.5	137	137	250	182	451	662
600 x 250	24 x 10	630 x 273	495	384	81.6	93.0	140	140	257	187	457	662
		610 x 273.1			77.9	89.3	134	134	245	178	445	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)



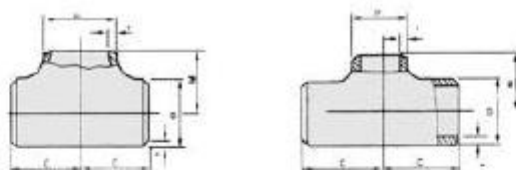
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
650 × 650	26 × 26	660 × 660	495	495	-	-	274	206	-	274	-	-
650 × 600	26 × 24	660 × 610	495	483	-	-	263	197	-	263	-	-
650 × 550	26 × 22	660 × 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	-	-	296 284	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	-	276 263	-	-
700 × 400	28 × 16	720 × 426 711 × 406.4	521	457	-	-	275 259	206 190	-	268 259	-	-
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)

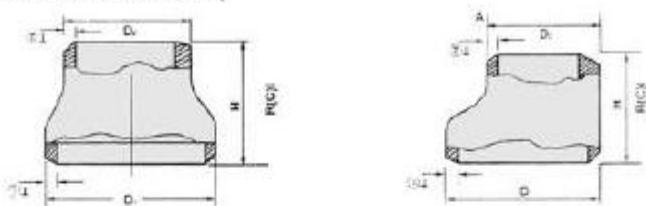


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	C	M	sch5s	sch10s	sch20s	STD	sch40	XS	sch80	sch120
800 × 700	32 × 28	820 × 720 813 × 711	597	572	-	-	388 370	291 277	-	388 370	-	-
800 × 650	32 × 26	813 × 660	597	572	-	-	362	271	-	362	-	-
800 × 600	32 × 24	820 × 630 813 × 610	597	559	-	-	372 358	279 266	-	365 359	-	-
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	584	-	-	390	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	693 613	457 398	-	-
900 × 400	36 × 16	920 × 426 914 × 406.4	673	559	-	-	447 383	335 287	669 575	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)



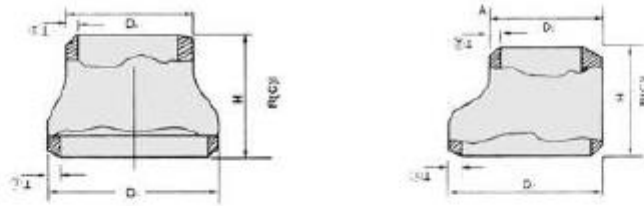
公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end	理论重量 kg/pes approx weight								
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s	
20 × 15	3/4 × 1/2	25 × 18	38	0.03	0.04	0.049	0.05	0.05	0.07	0.07	-	
		26.7 × 21.3		0.04	0.04	0.05	0.06	0.06	0.07	0.07		
25 × 20	1 × 3/4	32 × 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 × 85	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	0.49	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)

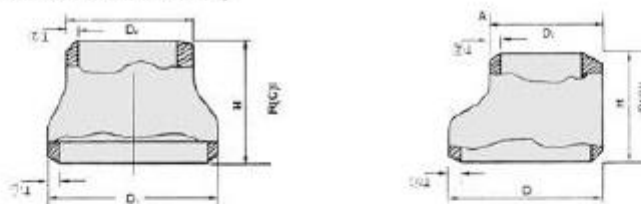


公称直径 Nominal diameter		外径mm Outside	中心距至顶面的距离 center to end	理论重量 kg/pcs approx weight							
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
90 × 90	3.1/2 × 3	101.6 × 88.9	102	0.50	0.72	1.09	1.29	1.77	1.77	-	-
90 × 65	3.1/2 × 2.1/2	101.6 × 73.0	102	0.46	0.66	1.0	1.12	1.12	1.63	1.63	-
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 × 89 114.3 × 88.9	102	0.52 0.54	0.75 0.77	-	1.41 1.46	1.41 1.46	1.94 2.02	1.94 2.02	2.18 2.24
100 × 65	4 × 2.1/2	108 × 76 114.3 × 73.0	102	0.49 0.50	0.70 0.72	0.93 0.96	1.32 1.35	1.32 1.35	1.62 1.67	1.62 1.67	2.05 2.1
100 × 50	4 × 2	108 × 57 114.3 × 60.3	102	0.44 0.48	0.64 0.68	0.85 0.90	1.19 1.27	1.19 1.27	1.64 1.75	1.64 1.75	1.87 1.98
125 × 100	5 × 4	133 × 108 141.3 × 114.3	127	1.04 1.11	1.27 1.35	1.89 2.01	2.35 2.50	2.35 2.50	3.33 3.55	3.33 3.55	4.31 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 × 89 141.3 × 88.9	127	0.97 1.01	1.18 1.23	1.76 1.83	2.17 2.27	2.17 2.27	3.07 3.22	3.07 3.22	4.0 4.19
125 × 65	5 × 2.1/2	133 × 76 141.3 × 73.0	127	0.92 0.95	1.12 1.16	1.67 1.72	2.06 2.14	2.06 2.14	2.91 3.02	2.91 3.02	3.6 3.98
150 × 125	6 × 5	159 × 133 168.3 × 141.3	140	1.40 1.48	1.71 1.81	2.54 2.67	3.42 3.64	3.42 3.64	5.14 5.47	5.14 5.47	6.52 6.95
150 × 100	6 × 4	159 × 108 168.3 × 114.3	140	1.29 1.37	1.58 1.67	2.35 2.48	3.15 3.36	3.15 3.36	4.72 5.03	4.72 5.03	5.97 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 × 89 168.3 × 88.9	140	1.21 1.26	1.48 1.53	2.20 2.27	2.96 3.07	2.96 3.07	4.41 4.58	4.41 4.58	5.64 5.85
200 × 150	8 × 6	219 × 159 219.1 × 168.3	152	2.00 2.04	2.70 2.75	4.30 4.38	5.65 5.77	5.65 5.77	8.55 8.73	8.55 8.73	11.9 12.2
200 × 125	8 × 5	219 × 133 219.1 × 141.3	152	1.90 1.93	2.56 2.60	4.07 4.14	5.35 5.44	5.35 5.44	8.09 8.23	8.09 8.23	11.2 11.4
200 × 100	8 × 4	219 × 108 219.1 × 114.3	152	1.80 1.83	2.43 2.46	3.86 3.92	5.07 5.14	5.07 5.14	7.64 7.75	7.64 7.75	10.6 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 × 159 273.1 × 168.3	178	3.27 3.38	4.15 4.21	6.59 6.69	8.83 8.96	14.0 14.2	14.0 14.2	14.0 14.2	19.2 19.5
250 × 125	10 × 5	273 × 133 273.1 × 141.3	178	3.25 3.29	3.99 4.04	6.34 6.42	8.47 8.59	13.4 13.6	13.4 13.6	13.4 13.6	18.4 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)

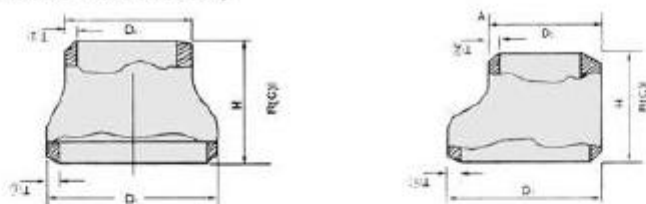


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end	理论重量 kg/pes approx weight							
DN	INCH	D ₁ × D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
300 × 250	12 × 10	325 × 273	203	5.98	6.89	9.38	13.9	15.0	19.3	24.8	35.1
		323.9 × 273.1		5.97	6.88	9.36	13.9	15.0	18.3	24.8	35.0
300 × 200	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	25.5	29.8	33.8	49.8	70.5
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		9.46	11.4	18.4	22.0	25.5	29.0	42.5	59.9
350 × 150	14 × 6	377 × 159	330	9.53	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	115
		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)

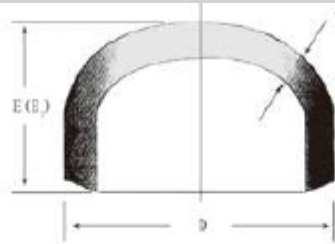


公称直径 Nominal diameter		外径/mm Outside	中心距至顶面的距离 center to end	理论重量 kg/pcs approx weight							
DN	INCH	D ₁ x D ₂	H	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
500 x 250	20 x 10	529 x 273	508	24.8	28.7	48.2	48.2	75.2	63.7	127	179
		508 x 273.1		24.0	27.8	46.7	46.7	72.8	61.7	123	173
		529 x 219		23.5	27.1	45.5	45.5	70.9	60.1	119	168
500 x 200	20 x 8	508 x 219.1	508	22.7	26.2	43.9	43.9	68.5	58.0	115	162
		559 x 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	508	40.4	46.2	68.0	-	123	90.1	212	307
		610 x 506		39.2	44.9	66.0	-	119	87.4	206	296
600 x 450	24 x 18	630 x 478	508	39.1	44.7	65.8	65.8	119	87.1	205	296
		610 x 457		37.6	43.1	63.6	63.3	114	83.9	197	284
600 x 400	24 x 16	630 x 426	508	37.5	43.0	63.1	63.1	114	83.6	197	283
		610 x 406.4		36.1	41.3	60.7	60.7	110	80.4	189	272
650 x 600	26 x 24	660 x 610	610	-	-	119	89.8	-	119	-	-
650 x 550	26 x 22	660 x 559	610	-	-	114	86.3	-	114	-	-
650 x 500	26 x 20	660 x 508	610	-	-	110	83.0	-	110	-	-
650 x 450	26 x 18	660 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	610	-	-	127	95.7	-	127	-	-
		711 x 610		-	-	124	93.6	-	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	610	-	-	145	109	-	145	-	-
		813 x 711		-	-	144	108	-	144	-	-
800 x 650	32 x 26	813 x 660	610	-	-	139	105	-	139	-	-
800 x 600	32 x 24	820 x 720	610	-	-	138	104	-	138	-	-
		813 x 610		-	-	135	102	-	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	610	-	-	164	124	-	164	-	-
		914 x 813		-	-	163	123	-	163	-	-
900 x 750	36 x 30	914 x 762	610	-	-	159	120	-	159	-	-
900 x 700	36 x 28	920 x 720	610	-	-	156	118	-	156	-	-
		914 x 711		-	-	155	117	-	155	-	-

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

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

CAPS

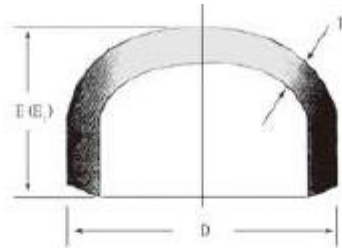


公称直径 Nominal diameter		外径mm Outside	中心距至端面的距离 center to end		理论重量 kg/pcs approx weight							
DN	INCH	CD	E (E ₁)	E (E ₂)	sch5s	sch10s	sch20s	STD	sch40s	XS	sch80s	sch120s
15	1/2	18 21.3	25	-	0.019	0.024	0.027	0.031	0.031	0.042	0.042	0.057
					0.022	0.028	0.033	0.037	0.037	0.050	0.050	0.063
20	3/4	25 26.7	25	-	0.027	0.033	0.038	0.045	0.045	0.060	0.060	0.079
					0.029	0.035	0.041	0.048	0.048	0.065	0.065	0.086
25	1	32 33.7	38	-	0.049	0.063	0.091	0.101	0.101	0.136	0.136	0.176
					0.052	0.087	0.093	0.106	0.106	0.143	0.143	0.182
32	1.1/4	38 42.4	38	-	0.058	0.099	0.111	0.126	0.126	0.173	0.173	0.213
					0.065	0.110	0.125	0.141	0.141	0.193	0.193	0.237
40	1.1/2	45 48.3	38	-	0.071	0.118	0.138	0.158	0.158	0.218	0.218	0.294
					0.076	0.127	0.148	0.169	0.169	0.234	0.234	0.323
50	2	57 60.3	38	44	0.094	0.156	0.189	0.221	0.221	0.313	0.313	0.387
					0.099	0.165	0.200	0.234	0.234	0.331	0.331	0.426
65	2.1/2	76 73.0	38	51	0.167	0.241	0.391	0.409	0.409	0.555	0.555	0.676
					0.161	0.232	0.312	0.393	0.393	0.543	0.543	0.634
80	3	89	51	64	0.254	0.367	0.490	0.660	0.660	0.917	0.917	1.469
					0.355	0.512	0.739	0.965	0.965	1.36	1.36	1.891
90	3.1/2	101.6	64	76	0.387	0.561	0.810	1.11	1.11	1.58	1.58	2.01
					0.410	0.594	0.882	1.17	1.17	1.67	1.67	2.16
125	5	133 139.7 141.3	76	89	0.769	0.945	1.339	1.82	1.82	2.65	2.65	3.52
					0.808	0.933	1.421	1.91	1.91	2.78	2.78	3.70
					0.817	1.00	1.473	1.93	1.93	2.81	2.81	3.74
150	6	159 168.3 165.2	89	102	1.07	1.31	1.843	2.74	2.74	4.22	4.22	5.50
					1.13	1.39	2.00	2.90	2.90	4.47	4.47	5.82
					1.11	1.36	1.97	2.85	2.85	4.39	4.39	5.72
200	8	219 216.1	102	127	1.76	2.38	4.03	5.19	5.19	8.05	8.05	11.6
					1.74	2.35	3.96	5.13	5.13	7.95	7.95	11.5
250	10	273 267.4	127	152	3.36	4.14	6.27	9.15	9.15	12.5	16.8	23.9
					3.29	4.05	6.14	8.96	8.96	12.2	16.4	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	478	203	229	7.90	9.01	22.3	28.9	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	558	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	45.5	92.3	61.9	177	172
		610			14.3	25.1	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	68.5	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

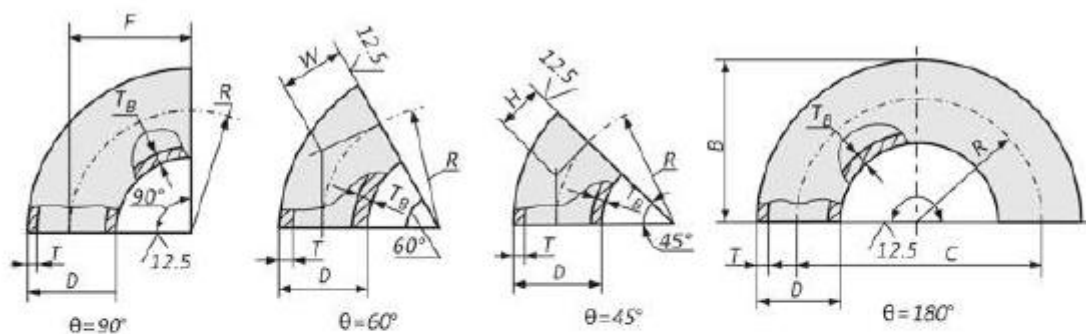


Таблица 2— Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с $\theta=90^\circ$, 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	2.5	75	43	80	150	104	0.4
		3.0						0.5
		3.5						0.6
		4.0						0.7
65	76	4.5	100	57	41	200	138	0.7
		5.0						0.8
		5.5						0.9
		6.0						1.0
80	89	3.0	120	69	50	240	165	1.2
		3.5						1.4
		4.0						1.5
		4.5						1.7
80	89	5.0	120	69	50	240	165	1.9
		5.5						2.1
		6.0						2.3
		7.0						2.7
80	89	8.0	120	69	50	240	165	3.0

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 θ=90°, 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	108	3.5	150	87	62	300	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	114	3.5	150	87	62	300	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												
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	168					4.0	225	130	93	450	305	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 с β=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
		17.0						42.0
18.0	44.0							
250	273	6.0	375	217	155	750	512	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
		16.0						61.0
		17.0						66.0
		18.0						70.0
20.0	78.0							
22.0	85.0							
300	325	7.0	450	260	186	900	613	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
		14.0						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							
350	377	9.0	525	303	217	1050	714	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

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Таблица 2—Отводы исполнения 2

Размеры в миллиметрах

DN	D	T	F=R	W	H	C	B	Масса отвода с $\beta=90^\circ$, 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.

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 с β=90°, 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.

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

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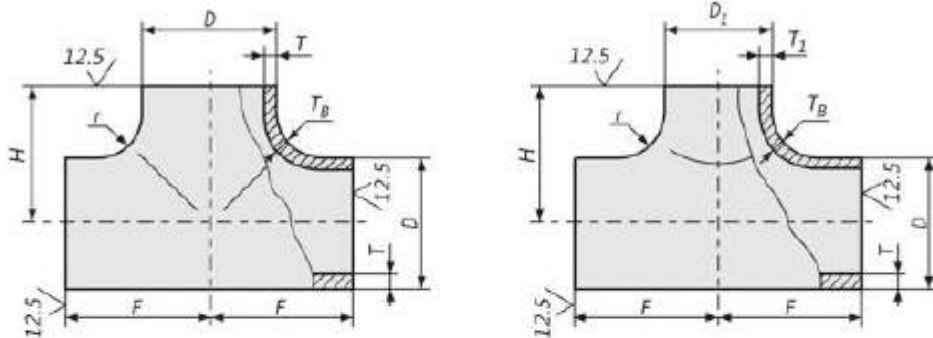


Таблица 2— Тройники исполнения 2

Размеры в миллиметрах

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

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

FITTINGS CARBON STEEL

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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		6.0					3.3					
		8.0		8.0					4.5					
		9.0		8.0					4.9					
125	133	4.0	89	3.5	110	95	6	2.9						
		6.0		5.0				4.1						
		8.0		6.0				5.9						
		10.0		8.0				6.8						
		12.0	9.0	8.0										
		4.0	108	4.0				110	95	6	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		6.0										4.1
8.0	8.0	5.9												
10.0	8.0	6.8												
12.0	8.0	8.0												
150	159	4.5	108	4.0	130	110	8							4.8
		6.0		5.0										6.6
		8.0		6.0				9.0						
		10.0		9.0				10.1						
		12.0	10.0	12.2										
		4.5	133	4.0				130	110	8				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		6.0										6.6
8.0	8.0	9.0												
10.0	10.0	10.1												
12.0	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				160	140	10				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		6.0										13.8
10.0	8.0	16.8												
12.0	10.0	19.9												
16.0	16.0	26.6												

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

FITTINGS CARBON STEEL

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Таблица 2— Тройники исполнения 2

Размеры в миллиметрах

CN	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						
7.0	-	-	18.4					
10.0		-	26.0					
12.0		-	31.2					
16.0		-	41.6					
18.0		-	46.8					
300	325	8.0	219	6.0	220	200	15	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
		8.0	273	7.0				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	-	-				27.4
		10.0		-				34.2
12.0	-	41.1						
16.0	-	54.8						
22.0	-	75.3						
350	377	10.0	273	7.0	240	225	15	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		-				-
12.0	-	55.0						
16.0	-	73.6						
20.0	-	92.0						
400	426	10.0	325	8.0	270	250	18	55.5
		12.0		10.0				66.6
		16.0		12.0				88.8
		18.0		16.0				100.0
		10.0	377	10.0				55.5
		12.0		12.0				66.6
		16.0		18.0				88.8
		18.0		18.0				100.0
		10.0		-				-
		12.0	-					66.6
		16.0	-					88.8
		18.0	-					100.0

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

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

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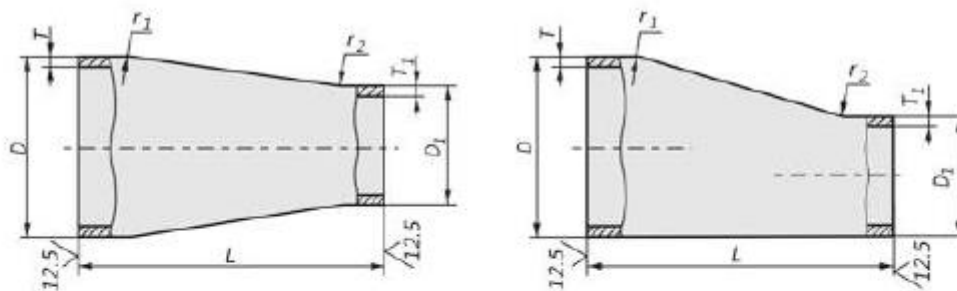


Таблица 2— Переходы исполнения 2

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	32	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	
		50	57	2.5	38	2.0	0.1
				4.0		4.0	0.2
				5.0		5.0	0.3
3.0	25			1.6	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.

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		
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		
	70	76	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	
80	89	3.0	45	3.0	75	0.3		
		3.5		3.0		0.4		
		5.0		4.0		0.6		
	76	57	6.0	57		5.0	75	0.7
			8.0			6.0		0.8
			3.5			76		3.5
	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			
76		76	4.0	76	3.5	80		0.9
			6.0		5.0			1.2
			8.0		6.0			1.6
			9.0		7.0			1.8
89		89	4.0	89	3.5	80		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.

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
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		2.3
		8.0		6.0		3.9
		10.0		8.0		4.8
		12.0		8.0		5.0

TECHNICAL DATA

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— 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	57	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		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	95	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

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		
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		95	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			95	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		140		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	140	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	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	133	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	10,0	13,0						
18,0	10,0	15,0						

TECHNICAL DATA

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
250	273	7,0	159	4,5	180	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
		7,0	219	6,0		20,0
		10,0		8,0		14,0
		12,0		10,0		16,0
		14,0		12,0		18,0
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
		8,0	133	5,0		23,0
		10,0		6,0		28,0
		12,0		8,0		11,0
		14,0		8,0		13,0
		16,0		8,0		16,0
		8,0	159	4,5		18,0
		10,0		6,0		20,0
		12,0		8,0		23,0
		14,0		8,0		28,0
16,0	10,0	11,0				
18,0	10,0	14,0				
8,0	168	4,0	16,0			
10,0		6,0	18,0			
12,0		8,0	20,0			
14,0		8,0	23,0			
16,0		8,0	28,0			

TECHNICAL DATA

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		
300	325	16.0	168	10.0	140	20.0		
		18.0		10.0		23.0		
		22.0		12.0		28.0		
		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	180	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	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			219	8.0			220	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	220		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		220	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		220	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

TECHNICAL DATA

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

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

ГОСТ 17379-2001

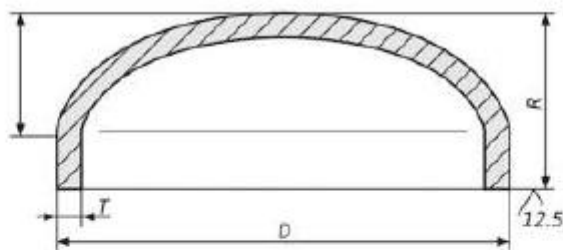


Таблица 2— Заглушки исполнения 2

Размеры в миллиметрах

DN	D	T	K		DN	D	T	K	Масса, кг
25	32	2.0	15	0.1	50	57	3.0	30	0.2
		3.0		0.1			5.0		0.3
32	38	2.0	20	0.1	65	76	3.5	40	0.4
		3.0		0.1			6.0		0.5
40	45	2.5		0.1	80	89	3.5	45	0.6
		4.0		0.2			8.0		0.9
100	108	4.0	50	0.7	300	325	10.0	100	11.0
		8.0		1.3			12.0		13.0
	114	4.0		0.7			18.0		19.0
		8.0		1.3			20.0		21.0
125	133	4.0	55	0.9	350	377	10.0	115	18.0
		8.0		2.0			12.0		19.0
		10.0		2.5			16.0		26.0
				24.0			20.0		32.0
150	159	4.5	65	1.5	400	426	10.0	125	19.0
		8.0		2.3			12.0		23.0
		11.0		3.2			16.0		30.0
	168	4.5		1.5			18.0		34.0
		8.0		2.3			22.0		42.0
		11.0		3.2			25.0		50.0
200	219	8.0	75	4.6	500	530	10.0	150	25.0
		10.0		5.1			16.0		40.0
		12.0		6.1			20.0		50.0
250	273	7.0	85	4.9	500	530	22.0	150	55.0
		12.0		9.2			25.0		65.0
		14.0		11.0			30.0		75.0
		18.0		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"	250	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

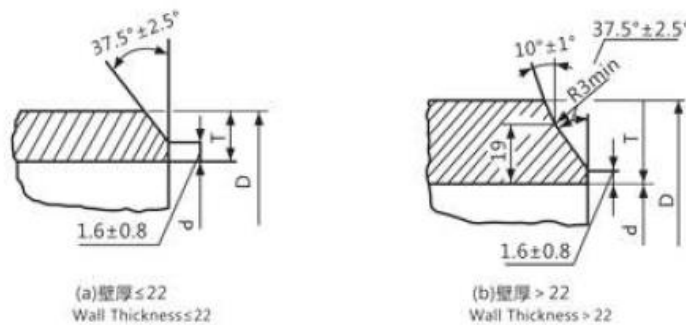


公称直径 Nominal diameter		弯头 Elbow			三通 Tee	大小头 Reducer	管帽 Cap
DN	INCH	45°	90°	180°			
15	1/2"	0.02	0.04	0.08	0.08		0.02
20	3/4"	0.03	0.06	0.12	0.12	0.05	0.02
25	1"	0.06	0.12	0.24	0.26	0.1	0.03
32	1 1/4"	0.1	0.19	0.4	0.45	0.12	0.04
40	1 1/2"	0.16	0.3	0.6	0.58	0.18	0.06
50	2"	0.25	0.49	0.98	0.85	0.3	0.12
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 Tubing	+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 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 An 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:

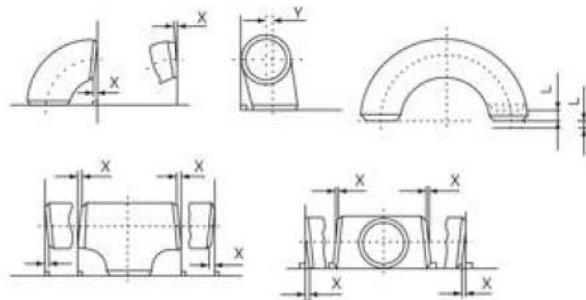
- 1)About the inside diameter at bevel,we should guarantee the tolerances of out side diameter at bevel and nominal wall thickness in priority except the special requirement.
- 2)The inside diameter at bevel is the mathematics difference between outside diameter at bevel and double nominal wall thickness.

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

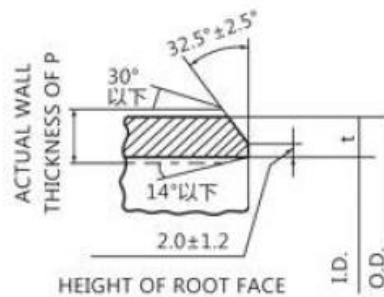


All the components can be substituted with equivalent or higher-class materials.

FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

Tolerance of dimensions and Shapes of bevelling



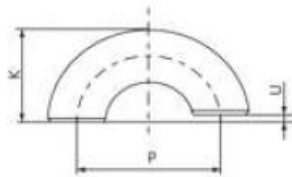
ITEMS	SORTS OF FITTINGS	JIS B 2311							
		NOMINAL DIA.							
		A	15-65	80-100	125-200	250-450	500-600	650-750	800-1200
		B	1/2-2 1/2	3-4	5-8	10-18	20-24	26-30	32-48
		TOLERANCE							
O. D. OF WELDING END	ALL FITTINGS	±20	±25	±35	±45	±48	±48	±48	
I. D. OF WELDING END		±20	±25	±35	±45	±48	±48	±48	
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%	

TECHNICAL DATA

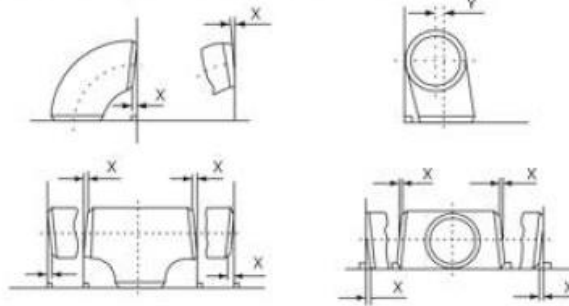
All the components can be substituted with equivalent or higher-class materials.

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	

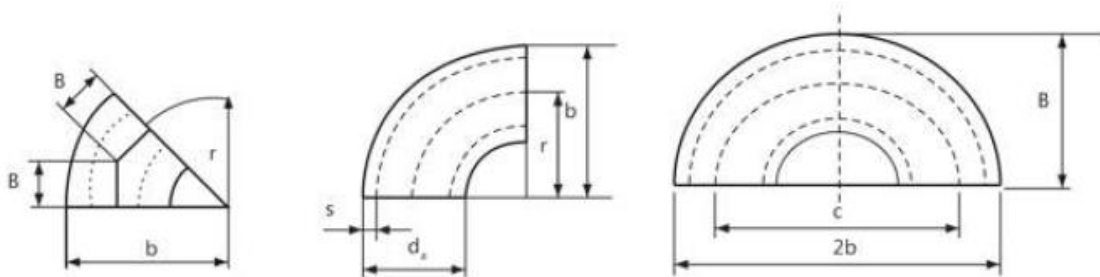
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FITTINGS CARBON STEEL

Ref.1100A / PN 10-16

NORME DI RIFERIMENTO

TIPO Δ IATPA φ H	TIEPITPA 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

DN	d _s	TODda		S			TOL	DIN2605																		
		DIN EN	UNI 7929	UNISO 3419	DIN Serie3	DIN		DIN EN	r		b		TOLb(2b per 180°)			Pressioni(bar)										
								D3	D5	D3	D6	45°	90°	180°	D3	D6	D3	D5								
15	17.2		+1.6 -0.8 mm	+1.6 -0.8 mm	2.0							公差 b	公差 b	公差 2b	48	54	120	136								
	21.3				2.0	2	2		28	42.5	38				53											
	25				2.0				27.5	52.5	40				65											
20	26.9				2.3	2	2.3		29	57.5	43				71	±6.0 mm	±2.5 mm	±8.0 mm	44	55	109	138				
	30				2.6	2.3			33.5	62.5	48				77											
	31.8				2.6				35	67.5	51				83											
	33.7				2.6	2.3	2.6		38	72.5	56				90											
25	38				2.6	2.6	2.6		45	82.5	64				101							45	55	112	138	
	42.4				2.6	2.6	2.6		48	92.5	69				114							45	55	112	138	
	44.5				2.6	2.6	2.6		51	97.5	73				120							46	56	115	139	
40	48.3		2.6	2.6	2.6		57	107.5	82	132																
	51		2.6				63.5	115	88	140																
50	60.3		±1.6 mm	+1.6 mm			DIN2605 UNISO -12.5%																			
	63.5																									
	70																									
55	76.1								UNI 7929 15%																	
	82.5																									
80	88.9																									
	101.6																									
	108																									
100	114.3								DIN EN Per S≤4mm -12.5% +20.0%					±7.0 mm	±3.0 mm	±9.0 mm	49	56	122	141						
125	139.7				+2.4 -1.6 mm	+2.4 -1.6 mm																				
	152.4																									
	159																									
150	168.3								Per S>4mm -12.5% +15.0%																	
	177.8																									
	193.7																									
200	219.1																									
	244.5																									
250	273		+4.0 -3.2 mm	+4.0 -3.2 mm																						
	323.9																									
	355.6																									
	368																									
400	406.4																									
	419																									
450	457																									
500	508																									
	559																									
600	610				+6.4 -4.8 mm	+6.4 -4.8 mm																				
								2430	4050	3240	4860															

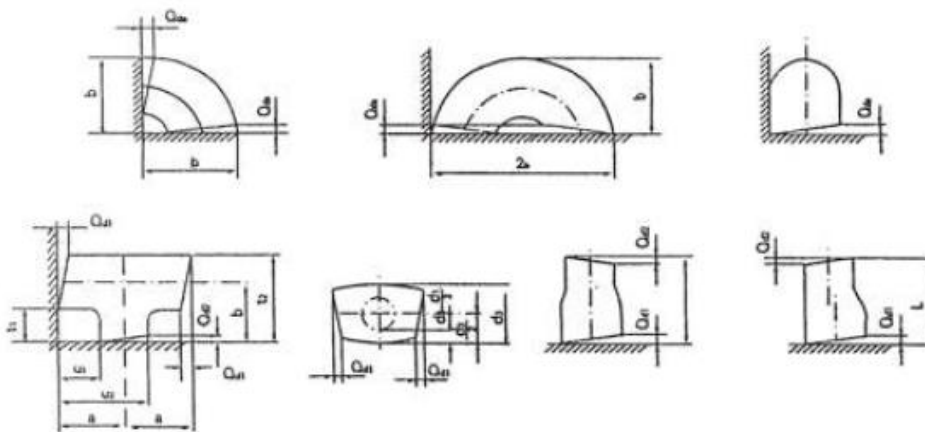
TECHNICAL DATA

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

da in mm	外径 D Limit Deviations for Outer Diameter公差		Tolerance 极限偏差	
		Subject to agreement	on Circularity 椭圆度	O
≤100	±1%da 最大 (With a maximum of ±0.5mm 范围)	±0.4mm	Within the 极限偏差 specified 范围 tolerance on diameter	1% of dimension (with a maximum of 1mm)
100<da≤200	±1% da	±0.5% da		
>200	±1%da	±0.6% da		

Nominal Size DN	45° 弯头、90° 弯头、180° 弯头 Limit Deviations for Dimension 尺寸公差范围								
	45 Elbow	b	90 Elbow	b	180 Elbow	2b	Cap h 管帽	Tee a and b 三通	Reducer I1 异径
15-65a	±6.0		±2.5		±8.0		±4	±2.0	±2.5
80-100	±7.0		±3.0		±9.0				±3.0
125-200	±8.5		±3.5		±10.0				±3.5
250	±9.5		±4.0		±14.0		±7	±3.0	±4.0
300-450	±12.0		±5.0						±5.0
500-600					±16.0				
700	±14.5		±6.0				±10	±5.0	±6.0
800					To Be Agreed				
900-1200	±19.0		±8.0		Agreed				±8.0

TECHNICAL DATA

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		EN10253-1
		DIN		
15-400	s ≤ 4mm	-12.5%	+15%	-0%+20%
	s > 4mm			-12.5%+15%
700-1200	s ≤ 10mm	-0.35mm	+15%	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

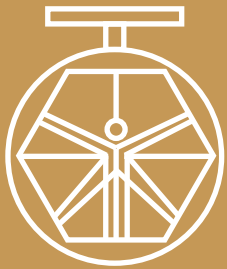
Nominal Pipe Size		Outside Diameter				Nominal Wall Thickness													Nominal Pipe Size	
A	B	ASME	JIS	DIN	JIS(1)	DIN(2)	SCH10	SCH20	SCH30	STD	SCH40	SCH60	X5	SCH60	SCH100	SCH120	SCH160	XXS	A	B
15	1/2"	21.3	21.7	21.3	2.8	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	-	-	4.78	15	1/2"
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-	-	5.56	20	3/4"
25	1"	33.4	34.0	33.7	3.2	2.6	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-	-	6.35	25	1"
32	1 1/4"	42.2	42.7	42.4	3.5	2.6	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-	-	6.35	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	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	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	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	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	-	13.49	100	4"
125	5"	141.3	139.8	139.7	4.5	4.0	3.40	-	-	6.55	6.55	-	9.53	9.53	-	12.70	-	15.99	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	-	14.27	-	16.29	150	6"
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	200	8"
250	10"	273.1	267.4	273.0	6.6	6.3	4.19	6.35	7.80	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	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	17.48	21.44	25.40	28.58	33.32	300	12"
350	14"	355.6	355.6	355.6	7.9	8.0	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	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	21.44	26.19	30.96	36.53	40.49	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	23.83	29.36	34.93	39.67	45.24	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	26.19	32.54	38.10	44.45	50.01	500	20"
550	22"	558.8	558.8	-	-	-	6.35	9.53	12.70	9.53	-	22.23	12.70	28.58	34.93	41.28	47.63	53.96	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	30.98	36.09	40.02	52.37	59.34	600	24"
650	26"	660.4	660.4	-	-	-	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-	650	26"
700	28"	711.1	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	1117.5	-	-	-	-	-	-	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"

JIS G3452S ASME B36.10M
JIS G3454 DIN2448
JIS G3455 DIN2456
JIS G3457

TECHNICAL DATA

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

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