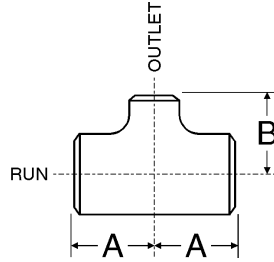
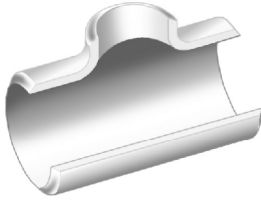
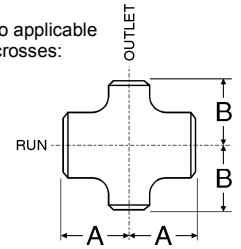


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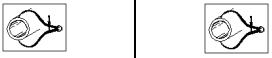




Also applicable to crosses:








Nominal Pipe Size	Run OD		Outlet OD		Run Dimension		Outlet Dimension		Weight
	OD at Bevel		OD at Bevel		A		B		40S/STD ¹
	in	mm	in	mm	in	mm	in	mm	kg/piece
1/2↔3/8	0.84	21	0.68	17	1.00	25	1.00	25	-
1/2↔1/4	0.84	21	0.54	14	1.00	25	1.00	25	-
3/4↔1/2	1.05	27	0.84	21	1.12	29	1.12	29	0.12
3/4↔3/8	1.05	27	0.68	17	1.12	29	1.12	29	-
1↔3/4	1.32	33	1.05	27	1.50	38	1.50	38	0.23
1↔1/2	1.32	33	0.84	21	1.50	38	1.50	38	0.22
1 1/4↔1	1.66	42	1.32	33	1.88	48	1.88	48	0.39
1 1/4↔3/4	1.66	42	1.05	27	1.88	48	1.88	48	0.37
1 1/4↔1/2	1.66	42	0.84	21	1.88	48	1.88	48	-
1 1/2↔1 1/4	1.90	48	1.66	42	2.25	57	2.25	57	0.57
1 1/2↔1	1.90	48	1.32	33	2.25	57	2.25	57	0.55
1 1/2↔3/4	1.90	48	1.05	27	2.25	57	2.25	57	0.52
1 1/2↔1/2	1.90	48	0.84	21	2.25	57	2.25	57	0.51
2↔1 1/2	2.38	60	1.90	48	2.50	64	2.38	60	0.83
2↔1 1/4	2.38	60	1.66	42	2.50	64	2.25	57	0.80
2↔1	2.38	60	1.32	33	2.50	64	2.00	51	0.74
2↔3/4	2.38	60	1.05	27	2.50	64	1.75	44	-
2 1/2↔2	2.88	73	2.38	60	3.00	76	2.75	70	1.53
2 1/2↔1 1/2	2.88	73	1.90	48	3.00	76	2.62	67	1.49
2 1/2↔1 1/4	2.88	73	1.66	42	3.00	76	2.50	64	1.38
2 1/2↔1	2.88	73	1.32	33	3.00	76	2.25	57	-
3↔2 1/2	3.50	89	2.88	73	3.38	86	3.25	83	2.29
3↔2	3.50	89	2.38	60	3.38	86	3.00	76	2.16
3↔1 1/2	3.50	89	1.90	48	3.38	86	2.88	73	2.05
3↔1 1/4	3.50	89	1.66	42	3.38	86	2.75	70	-
3 1/2↔3	4.00	102	3.50	89	3.75	95	3.62	92	-
3 1/2↔2 1/2	4.00	102	2.88	73	3.75	95	3.50	89	-
3 1/2↔2	4.00	102	2.38	60	3.75	95	3.25	83	-
3 1/2↔1 1/2	4.00	102	1.90	48	3.75	95	3.12	79	-
4↔3 1/2	4.50	114	4.00	102	4.12	105	4.00	102	-
4↔3	4.50	114	3.50	89	4.12	105	3.88	98	3.83
4↔2 1/2	4.50	114	2.88	73	4.12	105	3.75	95	3.70
4↔2	4.50	114	2.38	60	4.12	105	3.50	89	3.52
4↔1 1/2	4.50	114	1.90	48	4.12	105	3.38	86	3.41
5↔4	5.56	141	4.50	114	4.88	124	4.62	117	6.14
5↔3 1/2	5.56	141	4.00	102	4.88	124	4.50	114	-






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Nominal Pipe Size	Run OD		Outlet OD		Run		Outlet		Weight
	OD at Bevel		OD at Bevel		Dimension		Dimension		40S/STD ¹
					A		B		
	in	mm	in	mm	in	mm	in	mm	kg/piece
5⇒3	5.56	141	3.50	89	4.88	124	4.38	111	5.85
5⇒2½	5.56	141	2.88	73	4.88	124	4.25	108	5.71
5⇒2	5.56	141	2.38	60	4.88	124	4.12	105	-
6⇒5	6.62	168	5.56	141	5.62	143	5.38	137	9.21
6⇒4	6.62	168	4.50	114	5.62	143	5.12	130	8.81
6⇒3½	6.62	168	4.00	102	5.62	143	5.00	127	-
6⇒3	6.62	168	3.50	89	5.62	143	4.88	124	8.52
6⇒2½	6.62	168	2.88	73	5.62	143	4.75	121	-
8⇒6	8.62	219	6.62	168	7.00	178	6.62	168	16.8
8⇒5	8.62	219	5.56	141	7.00	178	6.38	162	16.3
8⇒4	8.62	219	4.50	114	7.00	178	6.12	156	15.9
8⇒3½	8.62	219	4.00	102	7.00	178	6.00	152	-
10⇒8	10.75	273	8.62	219	8.50	216	8.00	203	28.9
10⇒6	10.75	273	6.62	168	8.50	216	7.62	194	27.6
10⇒5	10.75	273	5.56	141	8.50	216	7.50	191	27.1
10⇒4	10.75	273	4.50	114	8.50	216	7.25	184	-
12⇒10	12.75	324	10.75	273	10.00	254	9.50	241	42.3
12⇒8	12.75	324	8.62	219	10.00	254	9.00	229	40.3
12⇒6	12.75	324	6.62	168	10.00	254	8.62	219	39.1
12⇒5	12.75	324	5.56	140	10.00	254	8.50	216	-
14⇒12	14.00	356	12.75	324	11.00	279	10.62	270	52.2
14⇒10	14.00	356	10.75	273	11.00	279	10.12	257	50.2
14⇒8	14.00	356	8.625	219	11.00	279	9.75	248	48.4
14⇒6	14.00	356	6.62	168	11.00	279	9.38	238	-
16⇒14	16.00	406	14.00	356	12.00	305	12.00	305	65.1
16⇒12	16.00	406	12.75	324	12.00	305	11.62	295	63.6
16⇒10	16.00	406	10.75	273	12.00	305	11.12	283	61.6
16⇒8	16.00	406	8.62	219	12.00	305	10.75	273	-
16⇒6	16.00	406	6.62	168	12.00	305	10.38	264	-
18⇒16	18.00	457	16.00	406	13.50	343	13.00	330	81.5
18⇒14	18.00	457	14.00	356	13.50	343	13.00	330	80.3
18⇒12	18.00	457	12.75	324	13.50	343	12.62	321	78.9
18⇒10	18.00	457	10.75	273	13.50	343	12.12	308	-
18⇒8	18.00	457	8.62	219	13.50	343	11.75	298	-
20⇒18	20.00	508	18.00	457	15.00	381	14.50	368	101
20⇒16	20.00	508	16.00	406	15.00	381	14.00	356	98.6
20⇒14	20.00	508	14.00	356	15.00	381	14.00	356	97.4
20⇒12	20.00	508	12.75	321	15.00	381	13.62	346	-
20⇒10	20.00	508	10.75	273	15.00	381	13.12	333	-
20⇒8	20.00	508	8.62	219	15.00	381	12.75	324	-
22⇒20	22.00	559	20.00	508	16.50	419	16.00	406	123
22⇒18	22.00	559	18.00	457	16.50	419	15.50	394	120
22⇒16	22.00	559	16.00	406	16.50	419	15.00	381	118
22⇒14	22.00	559	14.00	356	16.50	419	15.00	381	-
22⇒12	22.00	559	12.75	324	16.50	419	14.62	371	-
22⇒10	22.00	559	10.75	273	16.50	419	14.12	359	-
24⇒22	24.00	610	22.00	559	17.00	432	17.00	432	138
24⇒20	24.00	610	20.00	508	17.00	432	17.00	432	137
24⇒18	24.00	610	18.00	457	17.00	432	16.50	419	134
24⇒16	24.00	610	16.00	406	17.00	432	16.00	406	-

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Nominal Pipe Size	Run OD		Outlet OD		Run		Outlet		Weight
	OD at Bevel		OD at Bevel		Dimension		Dimension		40S/STD ¹
									
	in	mm	in	mm	in	mm	in	mm	kg/piece
24⇒14	24.00	610	14.00	356	17.00	432	16.00	406	-
24⇒12	24.00	610	12.75	324	17.00	432	15.62	397	-
24⇒10	24.00	610	10.75	273	17.00	432	15.12	384	-
26⇒24	26.00	660	24.00	610	19.50	495	19.00	483	-
26⇒22	26.00	660	22.00	559	19.50	495	18.50	470	-
26⇒20	26.00	660	20.00	508	19.50	495	18.00	457	-
26⇒18	26.00	660	18.00	457	19.50	495	17.50	444	-
Reducing tees 26⇒16, ⇒14 and ⇒12 are also available									
28⇒26	28.00	711	26.00	660	20.50	521	20.50	521	-
28⇒24	28.00	711	24.00	610	20.50	521	20.00	508	-
28⇒22	28.00	711	22.00	559	20.50	521	19.50	495	-
28⇒20	28.00	711	20.00	508	20.50	521	19.00	483	-
28⇒18	28.00	711	18.00	457	20.50	521	18.50	470	-
Reducing tees 28⇒16, ⇒14 and ⇒12 are also available									
30⇒28	30.00	762	28.00	711	22.00	559	21.50	546	-
30⇒26	30.00	762	26.00	660	22.00	559	21.50	546	-
30⇒24	30.00	762	24.00	610	22.00	559	21.00	533	-
30⇒22	30.00	762	22.00	559	22.00	559	20.50	521	-
30⇒20	30.00	762	20.00	508	22.00	559	20.00	508	-
Reducing tees 30⇒18, ⇒16, ⇒14, ⇒12 and ⇒10 are also available									
32⇒30	32.00	813	30.00	762	23.50	597	23.00	584	-
32⇒28	32.00	813	28.00	711	23.50	597	22.50	572	-
32⇒26	32.00	813	26.00	660	23.50	597	22.50	572	-
32⇒24	32.00	813	24.00	610	23.50	597	22.00	559	-
Reducing tees 32⇒22, ⇒20, ⇒18, ⇒16 and ⇒14 are also available									
34⇒32	34.00	864	32.00	813	25.00	635	24.50	622	-
34⇒30	34.00	864	30.00	762	25.00	635	24.00	610	-
34⇒28	34.00	864	28.00	711	25.00	635	23.50	597	-
34⇒26	34.00	864	26.00	660	25.00	635	23.50	597	-
34⇒24	34.00	864	24.00	610	25.00	635	23.00	584	-
Reducing tees 34⇒22, ⇒20, ⇒18, and ⇒16 are also available									
36⇒34	36.00	914	34.00	864	26.50	673	26.00	660	-
36⇒32	36.00	914	32.00	813	26.50	673	25.50	648	-
36⇒30	36.00	914	30.00	762	26.50	673	25.00	635	-
36⇒28	36.00	914	28.00	711	26.50	673	24.50	622	-
36⇒26	36.00	914	26.00	660	26.50	673	24.50	622	-
36⇒24	36.00	914	24.00	610	26.50	673	24.00	610	-
Reducing tees 36⇒22, ⇒20, ⇒18, and ⇒16 are also available									
38⇒36	38.00	965	36.00	914	28.00	711	28.00	711	-
38⇒34	38.00	965	34.00	864	28.00	711	27.50	698	-
38⇒32	38.00	965	32.00	813	28.00	711	27.00	686	-
38⇒30	38.00	965	30.00	762	28.00	711	26.50	673	-
38⇒28	38.00	965	28.00	711	28.00	711	25.50	648	-
38⇒26	38.00	965	26.00	660	28.00	711	25.50	648	-
Reducing tees 38⇒24, ⇒22, ⇒20, and ⇒18 are also available									
40⇒38	40.00	1016	38.00	965	29.50	749	29.50	749	-
40⇒36	40.00	1016	36.00	914	29.50	749	29.00	737	-
40⇒34	40.00	1016	34.00	864	29.50	749	28.50	724	-
40⇒32	40.00	1016	32.00	813	29.50	749	28.00	711	-
40⇒30	40.00	1016	30.00	762	29.50	749	27.50	698	-

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Nominal Pipe Size	Run OD		Outlet OD		Run		Outlet		Weight
	OD at Bevel		OD at Bevel		Dimension		Dimension		40S/STD ¹
									
	in	mm	in	mm	in	mm	in	mm	kg/piece
Reducing tees 40↔28, ↔26, ↔24, ↔22, ↔20, and ↔18 are also available									
42↔40	42.00	1067	40.00	1016	30.00	762	28.00	711	-
42↔38	42.00	1067	38.00	968	30.00	762	28.00	711	-
42↔36	42.00	1067	36.00	914	30.00	762	28.00	711	-
42↔34	42.00	1067	34.00	864	30.00	762	28.00	711	-
42↔32	42.00	1067	32.00	813	30.00	762	28.00	711	-
42↔30	42.00	1067	30.00	762	30.00	762	28.00	711	-
Reducing tees 42↔28, ↔26, ↔24, ↔22, ↔20, ↔18, and ↔16 are also available									
44↔42	44.00	1118	42.00	1067	32.00	813	30.00	762	-
44↔40	44.00	1118	40.00	1016	32.00	813	29.50	749	-
44↔38	44.00	1118	38.00	965	32.00	813	29.00	737	-
44↔36	44.00	1118	36.00	914	32.00	813	28.50	724	-
Reducing tees 44↔34, ↔32, ↔30, ↔28, ↔26, ↔24, ↔22, and ↔20 are also available									
46↔44	46.00	1168	44.00	1118	33.50	851	31.50	800	-
46↔42	46.00	1168	42.00	1067	33.50	851	31.00	787	-
46↔40	46.00	1168	40.00	1016	33.50	851	30.50	775	-
46↔38	46.00	1168	38.00	965	33.50	851	30.00	762	-
Reducing tees 46↔36, ↔34, ↔32, ↔30, ↔28, ↔26, ↔24, and ↔22 are also available									
48↔46	48.00	1219	46.00	1168	35.00	889	33.00	838	-
48↔44	48.00	1219	44.00	1118	35.00	889	33.00	838	-
48↔42	48.00	1219	42.00	1067	35.00	889	32.00	813	-
48↔40	48.00	1219	40.00	1016	35.00	889	32.00	813	-
Reducing tees 48↔38, ↔36, ↔34, ↔32, ↔30, ↔28, ↔26, ↔24, and ↔22 are also available									

Notes

- For run size NPS 14 and larger, outlet dimension B is recommended but not required.
- Dimensions quoted in mm are 'Nominal' values from B16.9 (i.e. rounded equivalents of the inch dimensions). Refer to B16.9 for additional 'Max' and 'Min' metric dimensions.
- The run and outlet NPS sizes are as shown in the left hand column. The corresponding size designation for a reducing tee is, for example, for the tee shown as 4↔3 : 4 x 4 x 3, and for the tee shown as 44↔36 : 44 x 44 x 36.
- For tolerances see page 6-2.
- 1 Weights are approximate and based on manufacturers' data (where available) for Schedule 40S/Standard fittings. See page 6-6 for further information.