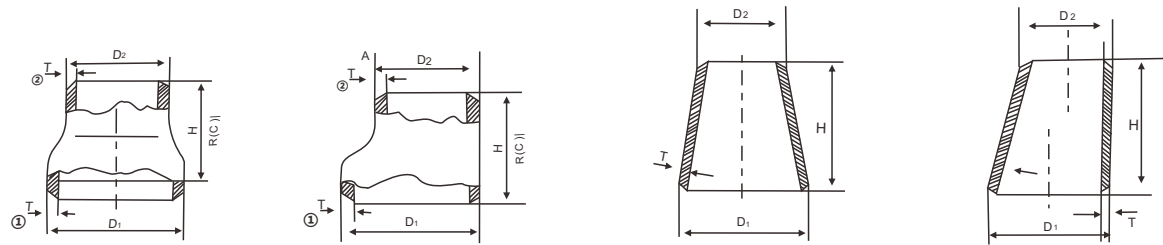


# Reducing joint (concentric, eccentric)

Acc above dimensions. GB/T 12459, GB/T 13401, SH 3408, SH 3409  
En10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

According to ANSI B16.19, weights are approximate, based on manufacturer's data



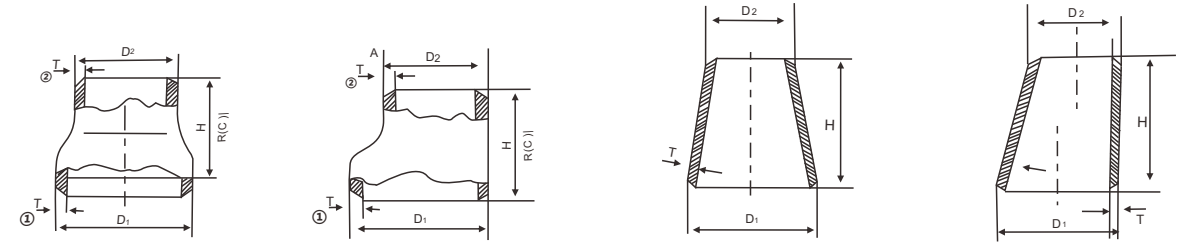
Unit: mm

Nominal diameter		Outer diameter	Face to face The distance from the	Theoretical weight kg/ PC					
DN	NPS	D <sub>1</sub> ×D <sub>2</sub>	H	sch5S	sch10S	sch40S/ STD	sch40S	sch80S/ XS	sch80
20×15	3/4×1/2	25×18 26.7×21.3	38	0.03 0.04	0.04 0.04	0.05 0.06	0.05 0.06	0.07 0.07	0.07 0.07
25×20	1×3/4	32×25 33.4×26.7	51	0.06 0.06	0.09 0.10	0.11 0.11	0.11 0.11	0.14 0.15	0.14 0.15
25×15	1×1/2	32×18 33.4×21.3	51	0.05 0.06	0.08 0.09	0.09 0.10	0.09 0.10	0.12 0.13	0.12 0.13
32×25	1.1/4×1	38×32 42.2×33.4	51	0.07 0.08	0.11 0.12	0.14 0.15	0.14 0.15	0.18 0.20	0.18 0.20
32×20	1.1/4×3/4	38×25 42.2×26.7	51	0.06 0.07	0.10 0.11	0.13 0.14	0.13 0.14	0.16 0.18	0.16 0.18
32×15	1.1/4×1/2	38×18 42.2×21.3	51	0.06 0.07	0.09 0.11	0.11 0.13	0.11 0.13	0.14 0.17	0.14 0.17
40×32	1.1/2×1.1/4	45×38 48.3×33.4	64	0.11 0.11	0.17 0.19	0.22 0.24	0.22 0.24	0.29 0.32	0.29 0.32
40×25	1.1/2×1	45×32 48.3×33.4	64	0.10 0.10	0.16 0.17	0.20 0.22	0.20 0.22	0.27 0.29	0.27 0.29
40×20	1.1/2×3/4	45×25 48.3×26.7	64	0.09 0.10	0.15 0.16	0.18 0.20	0.18 0.20	0.24 0.26	0.24 0.26
40×15	1.1/2×1/2	45×18 48.3×21.3	64	0.08 0.09	0.13 0.15	0.16 0.19	0.16 0.19	0.21 0.24	0.21 0.24
50×40	2×1.1/2	57×45 60.3×48.3	76	0.16 0.17	0.26 0.27	0.35 0.37	0.35 0.37	0.47 0.51	0.47 0.51
50×32	2×1.1/4	57×38 60.3×42.2	76	0.15 0.16	0.24 0.26	0.32 0.35	0.32 0.35	0.44 0.48	0.44 0.48
50×25	2×1	57×32 60.3×33.4	76	0.14 0.14	0.22 0.24	0.30 0.32	0.30 0.32	0.41 0.44	0.41 0.44
65×50	2.1/2×2	76×57 73.0×60.3	89	0.30 0.30	0.43 0.43	0.70 0.70	0.70 0.70	0.92 0.92	0.92 0.92
65×40	2.1/2×1.1/2	76×45 73.0×48.3	89	0.28 0.28	0.40 0.40	0.64 0.63	0.64 0.63	0.84 0.83	0.84 0.83
65×32	2.1/2×1.1/4	76×38 73.0×42.2	89	0.26 0.27	0.38 0.38	0.60 0.60	0.60 0.60	0.79 0.79	0.79 0.79
65×25	2.1/2×1	76×32 73.0×33.4	89	0.25 0.25	0.36 0.35	0.57 0.56	0.57 0.56	0.75 0.73	0.75 0.73
80×65	3×2.1/2	89×76 88.9×73.0	89	0.38 0.37	0.54 0.53	0.93 0.91	0.93 0.91	1.26 1.23	1.26 1.23
80×50	3×2	89×57 88.9×60.3	89	0.34 0.35	0.48 0.49	0.83 0.84	0.83 0.84	1.11 1.13	1.11 1.13

# Reducing joint (concentric, eccentric)

Acc above dimensions. GB/T 12459, GB/T 13401, SH 3408, SH 3409  
En10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

According to ANSI B16.19, weights are approximate, based on manufacturer's data



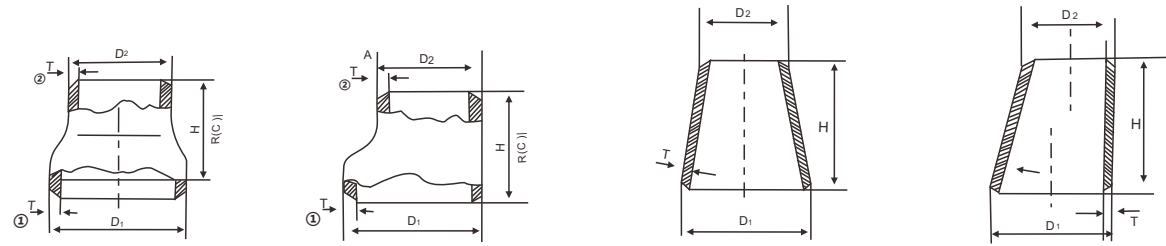
Unit: mm

Nominal diameter		Outer diameter	Face to face The distance from the	Theoretical weight kg/ PC					
DN	NPS	D <sub>1</sub> ×D <sub>2</sub>	H	sch5S	sch10S	sch40S/ STD	sch40S	sch80S/ XS	sch80
80×40	3×1.1/2	89×45 88.9×48.3	89	0.31 0.32	0.45 0.45	0.76 0.78	0.76 0.78	1.02 1.05	1.02 1.05
90×80	3.1/2×3	101.6×88.9	102	0.50	0.72	1.29	1.29	1.77	1.77
90×65	3.1/2×2.1/2	101.6×73.0	102	0.46	0.66	1.12	1.12	1.63	1.63
90×50	3.1/2×2	101.6×60.3	102	0.43	0.62	1.10	1.10	1.51	1.51
90×40	4×3.1/2	101.6×48.3	102	0.41	0.58	1.03	1.03	1.40	1.40
100×90	3.1/2×1.1/2	114.3×101.6	102	0.57	0.82	1.55	1.55	2.41	2.41
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
100×65	4×2.1/2	108×76 114.3×73.0	102	0.49 0.50	0.70 0.72	1.32 1.35	1.32 1.35	1.82 1.87	1.82 1.87
100×50	4×2	108×57 114.3×60.3	102	0.44 0.48	0.64 0.68	1.19 1.27	1.19 1.27	1.64 1.75	1.64 1.75
125×100	5×4	133×108 141.3×114.3	127	1.04 1.11	1.27 1.35	2.35 2.50	2.35 2.50	3.33 3.55	3.33 3.55
125×90	5×3.1/2	141.3×101.6	127	1.06	1.29	2.38	2.38	3.38	3.38
125×80	5×3	133×89 141.3×88.9	127	0.97 1.01	1.18 1.23	2.17 2.27	2.17 2.27	3.07 3.22	3.07 3.22
125×65	5×2.1/2	133×76 141.3×73.0	127	0.92 0.95	1.12 1.16	2.06 2.14	2.06 2.14	2.91 3.02	2.91 3.02
150×125	6×5	159×133 168.3×141.3	140	1.40 1.48	1.71 1.81	3.42 3.64	3.42 3.64	5.14 5.47	5.14 5.47
150×100	6×4	159×108 168.3×114.3	140	1.29 1.37	1.58 1.67	3.15 3.36	3.15 3.36	4.72 5.03	4.72 5.03
150×90	6×3.1/2	168.3×101.6	140	1.32	1.61	3.23	3.23	4.83	4.83
150×80	6×3	159×89 168.3×88.9	140	1.21 1.26	1.48 1.53	2.96 3.07	2.96 3.07	4.41 4.58	4.41 4.58
200×150	8×6	219×159 219.1×168.3	152	2.00 2.04	2.70 2.75	5.65 5.77	5.65 5.77	8.55 8.73	8.55 8.73
200×125	8×5	219×133 219.1×141.3	152	1.90 1.93	2.56 2.60	5.35 5.44	5.35 5.44	8.09 8.23	8.09 8.23
200×100	8×4	219×108 219.1×114.3	152	1.80 1.83	2.43 2.46	5.07 5.14	5.07 5.14	7.64 7.75	7.64 7.75
250×200	10×8	273×219	178	3.72	4.56	9.74	15.5	15.5	15.5
250×150	10×6	273×159 273.1×168.3	178	3.38 3.43	4.15 4.21	8.83 8.96	8.83 8.96	14.0 14.2	14.0 14.2
250×125	10×5	273×133 273.1×141.3	178	3.25 3.29	3.99 4.04	8.47 8.59	8.47 8.59	13.4 13.6	13.4 13.6
300×250	12×10	325×273 323.9×273.1	203	5.98 5.97	6.89 6.88	13.9 13.9	13.9 15.0	18.3 18.3	24.8 24.8
300×200	12×8	325×219 323.9×219.1	203	5.57 5.56	6.42 6.41	12.9 12.9	14.0 13.9	17.0 17.0	23.0 23.0

# Reducing joint (concentric, eccentric)

Acc above dimensions. GB/T 12459, GB/T 13401, SH 3408, SH 3409  
En10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

According to ANSI B16.19, weights are approximate, based on manufacturer's data



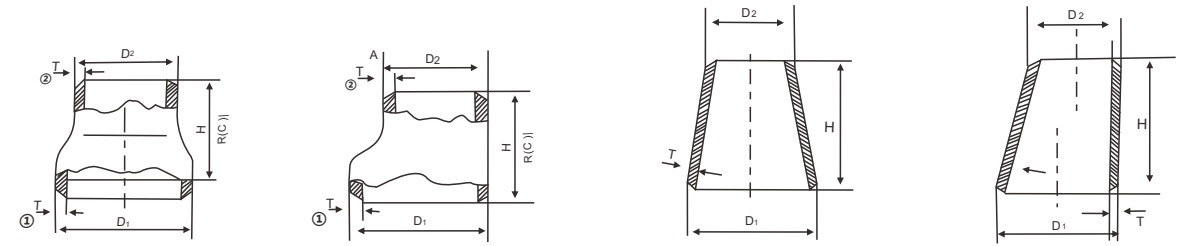
Unit: mm

Nominal diameter		Outer diameter	Face to face The distance from the	Theoretical weight kg/ PC					
DN	NPS	D <sub>1</sub> ×D <sub>2</sub>	H	sch5S	sch10S	sch40S/ STD	sch40S	sch80S/ XS	sch80
300×150	12×6	325×159	203	5.17	5.95	12.0	12.9	15.7	21.2
		323.9×168.3		5.22	6.00	12.1	13.0	15.9	21.4
350×300	14×12	377×325	330	11.4	13.7	26.6	30.9	35.1	51.6
		355.6×323.9		11.0	13.2	25.6	29.8	33.8	49.8
350×250	14×10	377×273	330	10.6	12.8	24.8	28.8	32.7	48.0
		355.6×273.1		10.2	12.3	23.8	27.7	31.4	46.1
350×200	14×8	377×219	330	9.89	11.9	23.0	26.7	30.3	44.5
		355.6×219.1		9.46	11.4	22.0	25.5	29.0	42.5
350×150	14×6	377×159	330	9.63	11.0	21.1	24.5	27.8	40.7
		355.6×168.3		9.22	10.5	20.2	23.5	26.6	38.9
400×350	16×14	426×377	356	14.9	16.9	32.9	43.5	43.5	71.7
		406.4×355.6		14.1	16.1	31.2	41.2	41.2	67.9
400×300	16×12	426×325	356	14.0	16.0	31.0	40.9	40.9	67.4
		406.4×323.9		13.6	15.4	29.9	39.5	39.5	65.1
400×250	16×10	426×273	356	13.2	15.0	29.1	38.4	38.4	63.1
		406.4×273.1		12.7	14.5	28.1	37.1	37.1	60.9
400×200	16×8	426×219	356	12.4	14.1	27.3	36.0	36.0	59.1
		406.4×219.1		11.9	13.6	26.2	34.6	34.6	56.7
400×150	16×6	426×159	356	11.5	13.1	25.3	33.3	33.3	54.5
		406.4×168.3		9.96	12.7	24.5	32.3	32.3	52.7
450×400	18×16	478×426	381	17.9	20.4	39.7	58.8	52.6	96.1
		457×406.4		17.1	19.5	37.9	56.1	50.1	91.6
450×350	18×14	478×377	381	17.1	19.4	37.7	55.8	49.9	91.1
		457×355.6		16.2	18.5	35.8	53.0	47.4	86.3
450×300	18×12	478×325	381	16.2	18.5	35.8	53.0	47.4	86.3
		457×323.9		15.7	17.9	34.7	51.2	45.8	83.4
450×250	18×10	478×273	381	15.4	17.6	34.1	50.3	45.0	81.8
		457×273.1		14.8	16.9	32.8	48.4	43.3	78.6
450×200	18×8	478×219	381	14.5	16.5	32.0	47.3	42.3	76.7
		457×219.1		14.0	15.9	30.8	45.5	40.7	73.7
500×450	20×18	529×478	508	30.4	35.2	59.1	92.5	78.2	156
		508×457		29.1	33.7	56.6	88.6	74.9	150
500×400	20×16	529×426	508	28.9	33.4	56.2	87.9	74.4	149
		508×406.4		27.7	32.0	53.8	84.1	71.1	142
500×350	20×14	529×377	508	27.6	31.9	53.6	83.8	70.9	142
		508×355.6		26.3	30.4	51.0	79.7	67.4	135
500×300	20×12	529×325	508	26.2	30.3	50.8	79.4	67.2	134
		508×323.9		25.4	29.4	49.3	77.0	65.1	130
500×250	20×10	529×273	508	24.8	28.7	48.2	75.2	63.7	127
		508×273.1		24.0	27.8	26.7	72.8	61.7	123
500×200	20×8	529×219	508	23.5	27.1	45.5	70.9	60.1	119
		508×219.1		22.7	26.2	43.9	68.5	58.0	115

# Reducing joint (concentric, eccentric)

Acc above dimensions. GB/T 12459, GB/T 13401, SH 3408, SH 3409  
En10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

According to ANSI B16.19, weights are approximate, based on manufacturer's data



Unit: mm

Nominal diameter		Outer diameter	Face to face The distance from the	Theoretical weight kg/ PC					
DN	NPS	D <sub>1</sub> ×D <sub>2</sub>	H	sch5S	sch10S	sch40S/ STD	sch40S	sch80S/ XS	sch80
550×500	22×20	559×508	508	32.1	37.3	62.7	-	83.0	182
550×450	22×18	559×457	508	30.8	35.0	59.9	-	79.3	174
550×400	22×16	559×406.4	508	29.4	34.0	57.2	-	75.7	165
550×350	22×14	559×355.6	508	28.0	32.5	54.5	-	72.1	157
600×550	24×22	610×559	508	28.0	46.8	68.8	-	91.2	215
600×500	24×20	630×529	508	40.4	46.2	68.0	123	90.1	212
		610×508		39.2	44.9	66.0	119	87.4	206
600×450	24×18	630×478	508	39.1	44.7	65.8	119	87.1	205
		610×457		37.6	43.1	63.3	114	83.9	197
600×400	24×16	630×426	508	37.5	43.0	63.1	114	83.6	197
		610×406.4		36.1	41.3	60.7	110	80.4	189
650×600	26×24	660×610	610	-	-	89.8	-	119	-
650×550	26×22	660×559	610	-	-	86.3	-	114	-
650×500	26×20	660×508	610	-	-	83.0	-	110	-
650×450	26×18	660×457	610	-	-	89.0	-	105	-
700×650	28×26	711×660	610	-	-	97.1	-	129	-
700×600	28×24	720×630	610	-	-	95.7	-	127	-
		711×610		-	-	93.6	-	124	-
700×550	28×22	711×559	610	-	-	90.4	-	120	-
750×700	30×28	762×711	610	-	-	104	-	139	-
750×650	30×26	762×660	610	-	-	101	-	133	-
750×600	30×24	762×610	610	66.4	82.7	97.8	-	130	-
750×550	30×22	762×559	610	63.9	80.0	94.5	-	125	-
800×750	32×30	813×762	610	-	-	112	-	148	-
800×700	32×28	820×720	610	-	-	109	-	145	-
		812×711		-	-	108	-	144	-
800×650	32×26	812×660	610	-	-	105	-	139	-
800×600	32×24	820×630	610	-	-	104	-	138	-
		813×610		-	-	102	-	135	-
850×800	34×32	864×813	610	-	-	119	-	158	-
850×750	34×30	864×762	610	-	-	116	-	153	-
850×700	34×28	864×711	610	-	-	112	-	149	-
850×650	34×26	864×660	610	-	-	109	-	145	-
900×850	36×34	914×864	610	-	-	126	-	168	-
900×800	36×32	920×820	610	-	-	124	-	164	-
		914×813		-	-	123	-	163	-
900×750	36×30	914×762	610	-	-	120	-	159	-
900×700	36×28	920×720	610	-	-	118	-	156	-
		914×711		-	-	117	-	155	-