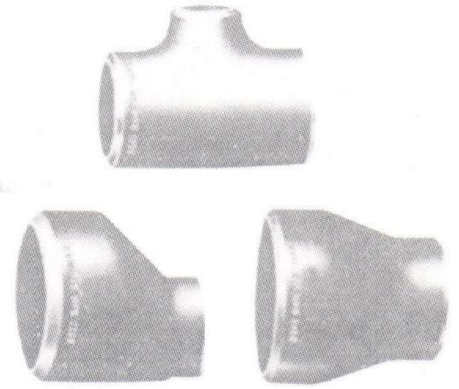


*REDUCING TEES & REDUCERS

Concentric and Eccentric
Standard Weight, Extra Strong,
Schedule 160,
Double Extra Strong
Carbon and ferritic alloy steel,
ASTM A-234, ASME/ANSI B16.9



Run	Outlet or Reduced End		Nominal Center-to-End Tees		Nominal Length of Reducers	APPROXIMATE WEIGHTS								
	NPS	DN	Run	Outlet		STANDARD WEIGHT		EXTRA STRONG		SCHEDULE 160		DOUBLE EXTRA STRONG		
						Te	Reducer	Te	Reducer	Te	Reducer	Te	Reducer	
1/2	15	^1/4	6	1.00	1.00	-	.25	-	.27	-	-	-	-	-
				25	25	-	.11	-	.12	-	-	-	-	-
3/4	20	^3/8	10	1.00	1.00	-	.25	-	.28	-	-	-	-	-
				25	25	-	.11	-	.13	-	-	-	-	-
3/4	20	#^3/8	10	1.12	1.12	1.5	.37	.22	.43	.24	.63	.27	-	-
				29	29	38	.17	0.1	.20	.11	.29	.12	-	-
1	25	1/2	15	1.12	1.12	1.5	.37	.25	.44	.25	.63	.29	1.12	-
				29	29	38	.17	0.1	.20	.11	.29	.13	.51	-
1	25	3/8	10	1.50	1.50	2.0	.60	.27	.75	.31	.90	.31	-	2.50
				38	38	51	.25	0.1	.34	.14	.41	.14	-	1.13
1	25	1/2	15	1.50	1.50	2.0	.65	.30	.75	.33	.90	.6	1.14	2.50
				38	38	51	.27	0.14	.34	.15	.41	.16	.52	1.13
1	25	3/4	20	1.50	1.50	2.0	.69	.32	.80	.36	1.00	.41	1.19	2.60
				38	38	51	.31	0.15	.40	.16	.45	.19	.54	1.18
1 1/4	32	1/2	15	1.88	1.88	2.0	1.3	.34	1.65	.42	1.67	.46	1.95	2.61
				48	48	51	.59	0.15	.75	.19	.76	.21	.88	1.18
1 1/4	32	3/4	20	1.88	1.88	2.0	1.2	.37	1.66	.46	1.68	.51	2.02	2.72
				48	48	51	.54	0.17	.75	.21	.76	.23	.92	1.23
1 1/2	40	1	25	1.88	1.88	2.0	1.2	.39	1.90	.49	2.00	.59	2.14	2.894
				48	48	51	.54	0.18	.86	.22	.91	.27	.97	1.94
1 1/2	40	1/2	15	2.25	2.25	2.5	2.1	.44	2.2	.52	2.41	.66	2.84	2.90
				57	57	64	.95	0.2	1.00	.24	1.09	.30	1.29	1.32
1 1/2	40	3/4	20	2.25	2.25	2.5	1.8	.47	2.3	.55	2.49	.74	2.93	2.96
				57	57	64	.82	0.21	1.04	.25	1.13	.34	1.33	1.34
1 1/2	40	1	25	2.25	2.25	2.5	1.7	.50	.4	.61	2.60	.81	3.08	2.99
				57	57	64	.77	0.23	1.10	.28	1.18	.37	1.40	1.36
1 1/2	40	1 1/4	32	2.25	2.25	2.5	1.7	.58	2.6	.66	2.90	.90	3.26	3.02
				57	57	64	.77	0.26	1.18	.30	1.32	.41	1.48	1.37
2	50	3/4	20	2.50	1.75	3.0	2.0	.82	2.7	.89	3.35	1.30	4.26	3.06
				64	44	76	.91	.37	1.22	.40	1.52	.59	1.93	1.39
2	50	1	25	2.50	2.00	3.0	2.0	.89	2.7	.90	3.60	1.52	4.41	3.12
				64	51	76	.91	.40	1.22	.41	1.63	.69	2.00	1.42
2	50	1 1/4	32	2.50	2.25	3.0	2.1	.94	2.8	1.02	3.75	1.78	4.65	3.20
				64	57	76	.95	.43	1.27	.16	1.70	.81	2.11	1.45
2	50	1 1/2	40	2.50	2.38	3.0	2.2	1.03	2.8	1.20	3.90	1.84	5.18	3.31
				64	60	76	1.00	.47	1.27	.54	1.77	.83	2.35	1.50
2 1/2	65	1	25	3.00	2.25	3.5	3.0	1.42	4.2	1.55	5.90	2.10	8.00	3.40
				76	57	89	1.36	.64	1.91	.70	2.68	.95	3.63	1.54
2 1/2	65	1 1/4	32	3.00	2.50	3.5	3.2	1.59	4.3	1.75	6.00	2.31	8.40	3.46
				76	64	89	1.45	.72	1.95	.79	2.72	1.05	3.81	1.57
2 1/2	65	1 1/2	40	3.00	2.62	3.5	3.5	1.71	4.5	2.02	6.20	2.43	9.13	3.52
				76	67	89	1.60	.78	2.04	.92	2.81	1.10	4.14	1.60
2 1/2	65	2	50	3.00	2.75	3.5	3.5	1.84	4.5	2.25	6.60	2.59	9.18	3.64
				76	70	89	1.60	2.5	2.04	1.02	3.00	1.17	4.16	1.65
3	80	#^1	25	3.38	2.62	3.5	5.0	2.10	6.0	2.45	-	-	-	-
				86	67	89	2.27	1.0	2.72	1.11	-	-	-	-
3	80	1 1/4	32	3.83	2.75	3.5	5.1	2.28	6.0	2.60	9.20	2.91	12.0	3.75
				86	70	89	2.31	1.0	2.72	1.18	4.17	1.32	5.4	1.70
3	80	1 1/2	40	3.83	2.88	3.5	5.1	2.42	6.12	2.70	9.35	3.10	12.2	3.9
				86	73	89	2.31	1.1	2.81	1.22	4.24	1.41	5.5	1.77
3	80	2	50	3.83	3.00	3.50	5.2	2.56	6.4	2.75	9.68	3.43	12.5	4.00
				86	76	89	2.36	1.16	2.95	1.25	4.4	1.6	5.7	1.8

INCHES
MILLIMETRES

POUNDS
KILOGRAMS