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VICTORY CASTINGS

54,(New 70) SEMBUDOSS STREET, CHENNAI - 600 001.
E-mail : victorycastings@gmail.com. Website : victorycastings.in

DIMENSION & WEIGHT OF CAST, IRON SOCKET & SPIGOT PIPES,
CONFORMING TO IS : 1536/LATEST, SUITABLE FOR LEAD / TYTON JOINTS

Nominal Diameter Internal	Nominal Diameter External	Socket Mass Approx. /Kgs	Class of Pipe	Thick ness mm	Std. Lengths Metres	Weight per Length / Kgs	Weight per Meter / Kgs	
							Including Socket	Barrel Only
80	98	5.5	LA A B	7.2 7.9 8.6	4.0	64 69.5 74.5	16.00 17.38 18.64	14.70 16.00 17.30
100	118	7.1	LA A B	7.5 8.3 9.0	5.5	109 120 128	19.82 21.82 23.27	18.60 20.50 22.00
125	144	9.2	LA A B	7.9 8.7 9.5	5.5	142 155 167	25.82 28.18 30.36	24.20 26.40 28.70
150	170	11.5	LA A B	8.3 9.2 10.0	5.5	177 194 209	32.18 35.27 38.00	30.10 33.20 35.90
200	222	16.8	LA A B	9.2 10.1 11.0	5.5	259 281 304	47.09 51.09 55.27	44.50 48.10 52.10
250	274	22.9	LA A B	10.0 11.0 12.0	5.5	349 380 411	63.45 69.09 74.73	59.30 65.00 70.60
300	326	29.8	LA A B	10.8 11.9 13.0	5.5	450 492 533	81.82 89.45 96.91	76.50 84.00 91.40
350	378	37.5	LA A B	11.7 12.8 14.0	5.5	567 615 667	103.09 111.82 121.27	96.30 105.00 114.50
400	429	46.3	LA A B	12.5 13.8 15.0	5.5	690 754 814	125.45 137.09 148.00	116.90 128.70 139.50
450	480	56.0	LA A B	13.3 14.7 16.0	5.5	832 914 986	151.27 166.18 179.27	141.00 156.00 169.00
500	532	66.0	LA A B	14.2 15.6 17.0	5.5	974 1061 1148	177.09 192.91 208.73	166.20 181.00 196.70
600	635	89.3	LA A B	15.8 17.4 19.0	5.5	1298 1417 1535	236.00 257.64 279.09	219.80 241.40 262.90
700	738	116.8	LA A B	17.5 19.3 21.0	5.5	1675 1830 1977	304.55 332.73 358.55	283.20 311.60 338.20
750	790	131.7	LA A B	18.3 20.2 22.0	5.5	1876 2051 2225	341.09 372.91 404.54	317.20 348.90 380.60
800	842	147.8	LA A B	19.2 21.1 23.6	5.5	2100 2288 2475	381.82 416.00 450.00	354.95 389.10 423.13
900	945	182.6	LA A B	20.8 22.9 25.0	5.5	2558 2791 3024	465.09 507.45 549.82	431.90 474.25 516.60
1000	1048	222.3	LA A B	22.5 24.8 27.0	5.5	3073 3357 3628	558.73 610.36 659.64	518.10 569.95 619.20

REGD OFFICE : No.3, Airmen Enclave, Camp Road, Selaiyur P.O., Chennai - 600 073. GSTIN : 33ADNPR5733P1ZT
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Weight & Dimensions of D/F Pipes as per IS 7181/86 (80mm - 750mm) Class 'B'

Size	Barrel OD	Barrel Thickness	Wt. per mtr Barrel	Wt. per Flange	Weight of Flanged Pipe (D/F)													
	mm	mm	Kgs.	Kgs.	0.30 Mtr	0.50 Mtr	0.60 Mtr	0.75 Mtr.	0.90 Mtr	1.00 Mtr	1.50 Mts	2.00 Mtr	2.50 Mtr	2.75 Mtr				
80	98	10.0	19.8	3.7	13.34	17.30	19.28	22.25	25.22	27.20	37.10	47.00	56.90	61.90				
100	118	10.5	25.4	4.2	16.02	21.10	23.64	27.45	31.26	33.80	46.50	59.20	71.90	78.30				
125	114	11.1	33.1	5.3	20.53	27.15	30.45	35.43	40.39	43.80	60.25	76.80	93.35	101.60				
150	170	11.7	41.6	6.7	25.88	34.20	38.36	44.60	50.84	55.00	75.80	96.60	117.40	127.80				
200	222	12.8	60.1	9.3	36.63	48.65	54.66	63.67	72.69	78.70	108.75	138.80	168.85	183.90				
250	274	14.0	81.8	12.0	48.54	64.90	73.08	85.35	97.62	105.80	146.70	187.60	228.50	249.00				
300	326	15.2	106.1	14.8	61.43	82.65	93.20	109.17	125.09	135.70	188.75	241.80	294.85	321.40				
350	378	16.3	133.5	19.0	78.09	104.75	118.10	138.12	158.15	171.50	238.25	305.00	371.75	405.13				
400	429	17.5	162.6	23.4	95.58	128.10	144.36	168.75	193.14	209.40	290.70	372.00	453.30	493.95				
450	480	18.7	197.0	26.5	112.10	151.50	171.20	200.75	230.30	250.40	348.50	447.00	545.50	594.75				
500	532	19.8	229.3	32.1	132.99	178.85	201.78	236.17	270.57	293.50	408.15	522.80	637.45	694.78				
600	635	22.2	306.5	44.0	179.95	241.25	271.90	317.87	363.85	394.50	547.75	701.00	854.25	930.88				
700	738	24.5	394.3	59.9	238.09	316.95	356.38	415.52	474.67	514.10	711.25	908.40	1105.55	1204.18				
750	790	25.6	443.8	69.7	272.54	361.30	405.68	472.25	538.82	583.20	805.10	1027.00	1248.90	1359.85				
VICTORY CASTING					STANDARD FLANGE DIMENSION COMMON TO CI PIPES, FITTINGS & VALVES													
					As per IS : 14846, IS : 2906, IS : 1538, IS : 7181													
					SIZE/MM	80	100	125	150	200	250	300	350	400	450	500	600	700
					FLANGE OD	200	220	250	285	340	395	445	505	565	615	670	780	895
					FLANGE PCD	160	180	210	240	295	350	400	460	515	565	620	725	840
NO.OF HOLES					4	8	8	8	8	12	12	16	16	20	20	20	24	
HOLE DIA					19	19	19	23	23	23	23	23	28	28	28	31	31	
FLANGE THICKNESS					21	22	22.5	23.0	24.5	26.0	27.5	29.0	30.0	31.5	33.0	36.0	38.5	
FLANGE TO FLANGE DISTANCE																		
A. SLUICE VALVES IS :14846					203	229	254	267	292	330	356	381	406	432	457	508	610	
B. REFLUX VALVES IS : 5312					260	350	350	400	500	600	700	800	900	1000	1100	1300	-	

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FITTINGS AS PER IS - 1538 / LATEST - MATERIAL - CAST IRON

Size IN mm	80	100	125	150	200	250	300	350
FLANGE SOCKETS	13	16	20	26	37	62	79	100
FLANGE SPIGOTS	12	14	19	23	39	53	68	85
COLLARS	14	17	22	28	40	55	71	90
D/S BENDS 90 DEG	18	24	33	43	67	98	135	181
D/S BENDS 45 DEG	18	24	32	41	62	89	121	159
D/S BENDS 22½ DEG	16	21	27	35	53	75	100	130
D/S BENDS 11 ¼ DEG	15	19	25	32	48	67	89	115
D/F BENDS 90 DEG	13	17	23	31	49	72	100	137
D/F BENDS 45 DEG	14	18	25	34	54	80	112	115
D/F BENDS DUCKFOOT 90	21	26	36	47	74	111	156	214
END CAPS	7	9	12	15	24	34	46	61
PLUGS	3	4	6	9	14	22	30	41
BELLMOUTH PIECES	7	9	12	15	23	31	45	58
BLANK FLANGES	5	6	8	11	16	23	32	43

VICTORY CASTINGS

REDUCING

SIZE IN mm AS PER	80	100	100	125	125	125	150	150	150	150	200	200	200
IS 1538	80	80	100	80	100	125	80	100	125	150	80	100	125
ALL SOCKET TEES	23	28	30	36	38	41	45	47	50	53	67	69	71
ALL FLANGE TEES	21	25	26	32	34	36	41	42	45	47	62	63	66
D/S TEE BRANCH FL.	22	28	29	36	37	39	45	46	48	50	67	68	70
D/F TAPERS	-	12	-	20	22	-	23	25	27	-	-	31	34
D/S TAPERS	-	18	-	27	30	-	31	34	38	-	-	43	47
S/S TAPERS	-	16	-	21	23	-	27	28	31	-	-	40	42
S/S ENLARGER	-	16	-	19	21	-	23	25	29	-	-	34	38
ALL SOCKET CROSSES	30	-	39	-	-	52	-	-	-	67	-	-	-
ALL FLANGE CROSSES	27	-	34	-	-	46	-	-	-	60	-	-	-

VICTORY CASTINGS

REDUCING

SIZE IN mm AS PER	300	350	350	350	350	400	400	400	400	400	450	450	450
IS 1538	300	200	250	300	350	200	250	300	350	400	250	300	350
ALL SOCKET TEES	159	182	190	199	209	229	237	246	256	268	295	304	314
ALL FLANGE TEES	151	169	173	188	195	211	215	232	239	246	260	277	284
D/S TEE BRANCH FL.	150	178	182	197	204	225	230	246	253	261	-	-	-
D/F TAPERS	-	87	96	106	-	-	109	120	132	-	-	130	145
D/S TAPERS	-	117	131	146	-	-	149	164	181	-	-	-	195
S/S TAPERS	-	104	113	123	-	-	143	154	156	-	-	-	185
S/S ENLARGERS	-	92	104	118	-	-	129	144	161	-	-	-	177
ALL SOCKET CROSSES	197	-	-	-	-	-	-	-	-	-	-	-	-
ALL FLANGE CROSSES	186	-	-	-	-	-	-	-	-	-	-	-	-

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FITTINGS AS PER IS - 1538 / LATEST - MATERIAL - CAST IRON

400	450	500	600	700	750	800	900	1000	1100
123	142	173	234	306	347	391	476	580	865
104	123	146	227	295	334	375	455	552	818
110	133	159	216	283	320	360	448	547	655
234	290	370	546	770	899	1047	1389	1780	2246
202	248	310	448	619	716	827	1077	1368	1706
164	197	245	351	478	551	632	813	1024	1267
144	172	215	302	408	469	534	682	852	1047
181	226	290	442	639	755	890	1179	1544	1968
149	185	231	342	485	572	667	868	1125	1421
281	350	446	677	-	-	-	-	-	-
77	97	118	171	235	272	314	405	514	638
54	69	86	127	180	211	246	321	411	514
80	93	120	201	304	-	433	575	792	965
55	67	85	126	177	207	245	313	406	504

FITTINGS

200	200	250	250	250	250	250	250	300	300	300	300	300	300
150	200	80	100	125	150	200	250	80	100	125	150	200	250
74	81	94	96	99	102	108	116	128	129	132	134	142	150
68	74	89	90	93	96	102	109	122	124	126	129	136	143
72	76	94	95	97	99	103	107	128	159	131	133	137	141
37	-	-	-	41	44	50	-	-	-	-	51	58	65
51	-	-	-	58	62	72	-	-	-	-	75	84	95
45	-	-	-	56	59	66	-	-	-	-	80	88	97
42	-	-	-	49	53	63	-	-	-	-	70	80	93
-	102	-	-	-	-	-	145	-	-	-	-	-	-
-	93	-	-	-	-	-	135	-	-	-	-	-	-

FITTINGS

450	450	500	500	500	500	500	500	600	600	600	600	600	600
400	450	250	300	350	400	450	500	300	350	400	450	500	600
324	337	356	365	375	386	398	413	521	531	543	556	569	602
290	296	315	334	342	349	356	363	466	475	485	492	499	516
-	-	348	367	375	382	-	397	523	532	542	-	556	573
158	-	-	-	160	174	186	-	-	-	210	222	239	-
213	-	-	-	222	241	256	-	-	-	290	310	332	-
199	-	-	-	211	225	240	-	-	-	300	316	333	-
195	-	-	-	194	212	230	-	-	-	273	293	320	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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