

**Details of RCC Spun Pipes as per I.S 458/2021.****Class Np2**

1	DIA (mm)	150	225	300	350	400	450	500	600	700	800	900
2	LENGTH (mtr)	2.00	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
3	THICKNESS (mm)	25.00	25.00	30.00	32.00	32.00	35.00	35.00	45.00	50.00	50.00	55.0
4	LONGITUDINAL STEEL	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
5	TOTAL WEIGHT OF CAGE	1.660	2.100	3.925	4.800	5.825	6.875	8.100	10.625	14.550	19.825	26.175
6	LOAD TO PRODUCE CRACK (kn)/Pipe	21.58	24.52	33.7	36.15	38.63	40.45	42.9	47.2	50.88	53.93	57.00
7	ULTIMATE LOAD (kn)/Pipe	32.38	36.78	50.55	54.23	57.95	60.68	64.35	70.80	76.33	80.90	85.50
8	HYDROSTATIC TEST	135.00	135.00	150.00	156.00	156.00	165.00	165.00	195.00	210.00	210.00	225.00
9	WEIGHT OF PIPE (APPRX) KG/PIPE	69.00	98.00	195.00	230.00	271.00	333.00	368.00	570.00	736.00	835.00	1031.00

**Class Np3**

1	DIA (mm)	150	225	300	350	400	450	500	600	700	800	900
2	LENGTH (mtr)	2.00	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
3	THICKNESS (mm)	25.0	30.0	40.0	75.0	75.0	75.0	75.0	85.0	85.0	95.0	100.0
4	LONGITUDINAL STEEL	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6+6
5	TOTAL WEIGHT OF CAGE	2.160	2.900	5.775	5.900	5.950	6.700	6.875	10.000	15.125	23.825	35.525



1	DIA (mm)	150	200	225	250	300	350	400	450	500	600	700
2	LENGTH (mtr)	2.00	2.00	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
3	EFFECTIVE LENGTH(mtr)	2.43	2.42	2.42	2.42	2.41	2.38	2.38	2.38	2.38	2.35	2.350
4	THICKNESS (mm)	25.0	30.0	30.0	30.0	40.0	75.0	75.0	75.0	75.0	85.0	85.0
5	LONGITUDINAL STEEL	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
6	TOTAL WEIGHT OF CAGE	2.280	2.680	3.050	3.440	6.225	6.540	6.660	7.460	7.745	11.000	17.285
7	LOAD TO PRODUCE CRACK (kn)/Pipe	33.29	35.05	35.82	36.30	37.36	39.91	45.60	51.31	57.00	67.54	78.80
8	ULTIMATE LOAD (kn)/Pipe	49.94	52.57	53.72	54.45	56.03	59.88	68.40	76.97	85.51	101.31	118.21
9	HYDROSTATIC TEST	135.00	150.00	150.00	150.00	180.00	285.00	285.00	285.00	285.00	315.00	315.00
10	WEIGHT OF PIPE (APPRX) KG/PIPE	76.00	98.00	121.00	179.00	286.00	660.00	770.00	840.00	924.00	1243.00	1430.00

**Spigot & Socket Type, Class-Np4**

1	DIA (mm)	150	200	225	250	300	350	400	450	500	600	700
2	LENGTH (mtr)	2.00	2.00	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
3	EFFECTIVE LENGTH(mtr)	2.43	2.42	2.42	2.42	2.41	2.38	2.38	2.38	2.38	2.35	2.350
4	THICKNESS (mm)	25.0	30.0	30.0	30.0	40.0	75.0	75.0	75.0	75.0	85.0	85.0
5	LONGITUDINAL STEEL	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
6	TOTAL WEIGHT OF CAGE	1.640	1.970	2.480	3.010	4.355	4.665	5.635	9.160	14.980	23.370	34.970

7	LOAD TO PRODUCE CRACK (kn)/Pipe	46.60	49.20	50.40	63.75	66.00	74.50	84.75	92.25	100.00	115.75	122.67
8	ULTIMATE LOAD (kn)/Pipe	84.93	89.19	91.48	92.57	95.44	106.39	121.14	131.61	145.66	163.09	184.01
9	HYDROSTATIC TEST	135.00	150.00	150.00	150.00	180.00	285.00	285.00	285.00	285.00	315.00	315.00
10	WEIGHT OF PIPE (APPRX) KG/PIPE	77.00	100.00	132.00	184.00	235.00	670.00	781.00	850.00	932.00	1257.00	1441.00

1 KN ( Kilonewton)= 0.1019 tf (Ton-force)

1000	1100	1200	1400	1500	1600	1800	2000	2200
2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
60.0	65.0	70.0	75.0	75.0	80.0	90.0	100.0	110.0
8.0	8.0	8.0	12.0	12.0	12.0	12.0	12+12	12+12
31.125	36.250	43.075	58.025	65.250	72.300	90.650	125.050	118.125
60.68	63.75	67.43	73.55	75.33	80.30	87.65	94.40	100.53
91.03	95.63	101.15	110.33	112.90	120.45	131.48	141.60	150.80
240.00	255.00	270.00	285.00	285.00	300.00	330.00	360.00	390.00
1250.00	1487.00	1746.00	2172.00	2394.00	2639.00	3340.00	4124.00	4750.00

1000	1100	1200	1400	1500	1600	1800	2000	2200
2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
115.0	115.0	120.0	135.0	135.0	140.0	150.0	170.0	185.0
6+6	6+6	8+8	8+8	8+8	8+8	12+12	12+12	12+12
45.900	57.700	70.725	124.400	146.375	172.375	241.150	268.150	356.650



800	900	1000	1100	1200	1400	1600	1800	2000
2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
2.350	2.350	2.386	2.386	2.386	2.386	2.386	2.386	2.386
95.0	100.0	115.0	115.0	120.0	135.0	140.0	150.0	170.0
8.0	6+6	6+6	6+6	8+8	8+8	8+8	12+12	12+12
26.695	39.585	45.900	57.700	70.725	124.400	172.375	241.150	268.150
90.05	101.31	114.29	125.72	137.15	160.01	182.86	205.72	228.58
135.08	151.97	171.43	188.49	205.72	240.03	274.29	308.58	342.87
345.00	360.00	405.00	405.00	420.00	465.00	480.00	510.00	570.00
1826.00	2149.00	2530.00	2735.00	3100.00	4050.00	4700.00	5700.00	7200.00

800	900	1000	1100	1200	1400	1600	1800	2000
2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
2.350	2.350	2.386	2.386	2.386	2.386	2.386	2.386	2.386
95.0	100.0	115.0	115.0	120.0	135.0	140.0	150.0	170.0
8.0	6+6	6+6	6+6	8+8	8+8	8+8	12+12	12+12
46.470	58.330	66.750	95.050	115.625	148.000	216.500	258.250	313.200

139.36	155.81	173.22	191.83	210.68	236.45	262.22	287.99	313.76
209.39	233.59	259.84	287.75	315.91	354.68	393.33	431.99	470.64
345.00	360.00	405.00	405.00	420.00	465.00	480.00	510.00	570.00
1837.00	2167.00	2520.00	2745.00	3110.00	4075.00	4780.00	5750.00	7250.00