

The following table shows the maximum number of sprinkler heads that can be connected to a single lateral of LDPE tubing with nominal ID of 13 19, 25 or 32mm.

Calculations are based on maximum inlet pressure of 300 kPa and minimum operating pressure of 150 kPa.

Theoretical figures are based on a single lateral on flat ground and do not account for losses that may result from fittings such as joiners, tees, elbows etc.

Data should not be used to design a series of laterals connected to submain.

This data is for use as a ready reckoner only and does not replace professional system design.

The second table shows the maximum run length for a single lateral of LDPE tubing with nominal ID of 13 19, 25 or 32mm based on head spacing from first table.

ROTOR RAIN PLUS PC - MAXIMUM HEADS

	Pipe ID	BROWN (27 lph)				DARK BLUE (34 lph)				GREY (48 lph)				BLACK (57 lph)				ORANGE (69 lph)			
		13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm
Spacing (m)	3 m	34	66	106	162	29	56	90	138	23	45	72	111	21	41	65	99	18	35	57	87
	4 m	31	59	95	146	26	51	82	124	21	41	65	100	19	37	58	89	16	32	51	79
	5 m	29	55	88	135	24	47	76	115	20	38	60	92	18	34	54	82	15	29	47	73
	6 m	27	51	82	126	23	44	71	108	18	35	56	86	17	32	51	77	14	28	44	68
	7 m	25	49	78	119	21	42	67	102	17	33	53	82	16	30	48	73	13	26	42	65
	8 m	24	46	74	114	20	40	64	98	16	31	51	78	15	28	46	70	13	25	40	62
	9 m	23	44	71	109	19	38	61	93	15	30	49	75	14	27	44	67	12	24	38	59
	10 m	22	43	69	105	19	37	59	90	15	29	47	72	14	26	43	65	12	23	37	57

ROTOR RAIN PLUS PC - MAXIMUM RUN LENGTH (m)

	Pipe ID	BROWN (27 lph)				DARK BLUE (34 lph)				GREY (48 lph)				BLACK (57 lph)				ORANGE (69 lph)			
		13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm
Spacing (m)	3 m	101	197	317	485	86	167	269	413	68	134	215	332	62	122	194	296	53	104	170	260
	4 m	123	235	379	583	103	203	327	495	83	163	259	399	75	147	231	355	63	127	203	315
	5 m	144	274	439	674	119	234	379	574	99	189	299	459	89	169	269	409	74	144	234	364
	6 m	161	305	491	755	137	263	425	647	107	209	335	515	101	191	305	461	83	167	263	407
	7 m	174	342	545	832	146	293	468	713	118	230	370	573	111	209	335	510	90	181	293	454
	8 m	191	367	591	911	159	319	511	783	127	247	407	623	119	223	367	559	103	199	319	495
	9 m	206	395	638	980	170	341	548	836	134	269	440	674	125	242	395	602	107	215	341	530
	10 m	219	429	689	1049	189	369	589	899	149	289	469	719	139	259	429	649	119	229	369	569

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The second table shows the maximum run length for a single lateral of LDPE tubing with nominal ID of 13 19, 25 or 32mm based on head spacing from first table.

ROTOR RAIN PLUS PC - MAXIMUM HEADS

	Pipe ID	RED (82 lph)				LIGHT BLUE (88 lph)				YELLOW (93 lph)				PURPLE (102 lph)				OLIVE (135 lph)			
		13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm
Spacing (m)	3 m	16	31	51	77	15	30	48	74	15	29	47	72	14	27	44	68	11	23	37	56
	4 m	14	28	46	70	14	27	44	67	13	26	42	65	13	25	40	61	10	20	33	50
	5 m	13	26	42	65	13	25	40	62	12	24	39	60	12	23	37	56	9	19	30	47
	6 m	12	24	40	61	12	23	38	58	11	23	37	56	11	21	34	53	9	18	28	44
	7 m	12	23	38	57	11	22	36	55	11	21	35	53	10	20	32	50	8	17	27	41
	8 m	11	22	36	55	11	21	34	52	10	20	33	51	10	19	31	48	8	16	26	39
	9 m	11	21	34	53	10	20	32	50	10	19	31	49	9	18	30	46	8	15	25	38
	10 m	10	20	33	51	10	19	31	48	9	19	30	47	9	18	29	44	7	14	24	37

ROTOR RAIN PLUS PC - MAXIMUM RUN LENGTH (m)

	Pipe ID	RED (82 lph)				LIGHT BLUE (88 lph)				YELLOW (93 lph)				PURPLE (102 lph)				OLIVE (135 lph)			
		13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm	13 mm	19 mm	25 mm	32 mm
Spacing (m)	3 m	47	92	152	230	44	89	143	221	44	86	140	215	41	80	131	203	32	68	110	167
	4 m	55	111	183	279	55	107	175	267	51	103	167	259	51	99	159	243	39	79	131	199
	5 m	64	129	209	324	64	124	199	309	59	119	194	299	59	114	184	279	44	94	149	234
	6 m	71	143	239	365	71	137	227	347	65	137	221	335	65	125	203	317	53	107	167	263
	7 m	83	160	265	398	76	153	251	384	76	146	244	370	69	139	223	349	55	118	188	286
	8 m	87	175	287	439	87	167	271	415	79	159	263	407	79	151	247	383	63	127	207	311
	9 m	98	188	305	476	89	179	287	449	89	170	278	440	80	161	269	413	71	134	224	341
	10 m	99	199	329	509	99	189	309	479	89	189	299	469	89	179	289	439	69	139	239	369