

Radius Assistant

When MEADRAIN channels are laid to a radius, a gap is left on the outer side of the channel. When half metre units are used, the gap is smaller (compared to metre lengths) – see tables below for figures.

Gap (in mm) at outside of one metre length channels set to a radius:

Radius (m)	Approx Angle	EN1000	Z1000	1500	2000	3000
5	11.42	29.27	22.71	35.65	66.14	85.46
6	9.53	23.37	19.73	32.8	40.85	58.56
8	7.15	18.33	15.98	25.05	30.2	42.08
10	5.70	11.38	9.02	16.3	20.8	31.06
15	3.82	10.04	8.35	13.32	16.39	23.18
20	2.86	7.25	6.34	10.01	12.37	17.44
25	2.29	5.95	5.19	8.21	10.1	14.8
30	1.91	4.81	4.19	6.83	8.49	11.82
35	1.64	4.35	3.74	5.87	7.27	10.14
40	1.43	3.58	3.00	4.87	6.11	8.38
50	1.15	3.15	2.67	4.14	5.09	6.8

Gap (in mm) at outside of half metre length channels set to a radius:

Radius (m)	Approx Angle	EN1000	Z1000	1500	2000	3000
5	5.73	14.92	12.21	19.16	24.6	31.86
6	4.77	11.94	9.72	15.82	20.7	28.85
8	3.58	9.42	7.83	12.27	15.27	21.27
10	2.86	7.6	6.37	9.91	12.56	17.21
15	1.91	4.84	4.34	6.81	8.28	11.68
20	1.43	3.64	3.08	4.95	6.13	8.69
25	1.15	2.99	2.53	4.00	4.99	6.76
30	0.96	2.46	2.16	3.4	4.2	5.88
35	0.82	1.89	1.55	2.61	3.32	4.73
40	0.72	1.76	1.49	2.41	3.04	4.27
50	0.57	1.56	1.33	2.06	2.55	3.55

The tolerance for gaps between the channels is between 5 and 7mm. Therefore the maximum is 7mm. Those figures given in bold type are within the tolerance level of 7mm or less, i.e. the one metre channel in the 3000 range can be used for radii of 50 metres or more.