

ORIGINAL BIG GUN

NEW! PLASTIC TAPER RING NOZZLES FOR THE **100 SERIES BIG GUN®** SPRINKLERS

CAP

24 mm 20 mm 17 mm 14 mm 12.7 mm

Nozzle Samples to Show Range

BODY

12700
12469
12782

100TR PLASTIC CAP + BODY
100TR PLASTIC CAP
100TR PLASTIC BODY

12470-0127 12.7 mm 100TR PLASTIC NOZZLE
12470-014 14 mm 100TR PLASTIC NOZZLE
12470-016 16 mm 100TR PLASTIC NOZZLE
12470-017 17 mm 100TR PLASTIC NOZZLE
12470-018 18 mm 100TR PLASTIC NOZZLE
12470-019 19 mm 100TR PLASTIC NOZZLE
12470-020 20 mm 100TR PLASTIC NOZZLE
12470-021 21 mm 100TR PLASTIC NOZZLE
12470-022 22 mm 100TR PLASTIC NOZZLE
12470-023 23 mm 100TR PLASTIC NOZZLE
12470-024 24 mm 100TR PLASTIC NOZZLE

100 TAPER RING NOZZLE – 24° TRAJECTORY – METRIC UNITS

Pressure (bar)	127 mm			14 mm			16 mm			17 mm			18 mm			19 mm			20 mm			21 mm			22 mm			23 mm			24 mm		
	0.50"			0.55"			0.63"			0.67"			0.71"			0.75"			0.79"			0.83"			0.87"			0.91"			0.95"		
	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)	L/S	M ³ /HR	RAD. (M)
2.75	2.47	8.9	28.5	3.11	11.2	30.0	4.23	15.2	32.5	4.79	17.3	33.5	5.44	19.6	34.5	6.18	22.3	35.5	6.93	24.9	37.0	7.86	28.3	38.0	8.57	30.8	38.5	9.52	34.3	39.5	10.44	37.6	41.5
3	2.59	9.3	29.0	3.25	11.7	31.0	4.42	15.9	33.0	5.01	18.0	34.0	5.68	20.5	35.0	6.46	23.2	36.5	7.24	26.1	38.0	8.21	29.6	39.0	8.95	32.2	39.5	9.95	35.8	40.5	10.91	39.3	42.5
3.5	2.81	10.1	30.5	3.51	12.6	32.0	4.78	17.2	34.5	5.42	19.5	35.5	6.14	22.1	37.0	6.98	25.1	38.0	7.83	28.2	39.5	8.86	31.9	40.5	9.67	34.8	41.5	10.75	38.7	42.5	11.78	42.4	44.5
4	3.01	10.8	31.5	3.76	13.5	33.5	5.11	18.4	36.0	5.80	20.9	37.0	6.56	23.6	38.5	7.46	26.8	39.5	8.37	30.1	41.5	9.48	34.1	42.5	10.34	37.2	43.0	11.50	41.4	44.5	12.60	45.3	46.0
4.5	3.20	11.5	33.0	3.99	14.4	34.5	5.42	19.5	37.0	6.15	22.2	38.5	6.96	25.1	40.0	7.91	28.5	41.5	8.89	32.0	43.0	10.05	36.2	44.0	10.97	39.5	45.0	12.20	43.9	46.0	13.36	48.1	48.0
5	3.38	12.2	34.0	4.21	15.2	36.0	5.72	20.6	38.5	6.49	23.4	40.0	7.34	26.4	41.0	8.34	30.0	42.5	9.37	33.7	44.0	10.59	38.1	45.5	11.57	41.7	46.5	12.86	46.3	48.0	14.09	50.7	49.5
5.5	3.55	12.8	35.0	4.43	15.9	37.0	6.01	21.6	39.5	6.81	24.5	41.0	7.70	27.7	42.5	8.75	31.5	44.0	9.84	35.4	45.5	11.11	40.0	47.0	12.14	43.7	47.5	13.49	48.6	49.0	14.77	53.2	51.0
6	3.72	13.4	36.0	4.63	16.7	38.0	6.28	22.6	40.5	7.12	25.6	42.0	8.04	29.0	43.5	9.13	32.9	45.0	10.28	37.0	46.5	11.60	41.8	48.0	12.68	45.7	49.0	14.09	50.7	50.5	15.43	55.6	52.0
6.5	3.88	14.0	37.0	4.82	17.3	39.0	6.54	23.5	41.5	7.42	26.7	43.0	8.37	30.1	45.0	9.51	34.2	46.5	10.70	38.5	47.5	12.07	43.5	49.0	13.20	47.5	50.0	14.67	52.8	52.0	16.06	57.8	53.5
7	4.03	14.5	38.0	5.01	18.0	40.0	6.79	24.4	43.0	7.70	27.7	44.5	8.69	31.3	46.0	9.87	35.5	47.5	11.11	40.0	48.5	12.53	45.1	50.0	13.71	49.3	51.0	15.23	54.8	53.0	16.67	60.0	54.5
7.5	4.18	15.0	39.0	5.18	18.7	40.5	7.03	25.3	44.0	7.97	28.7	45.5	9.00	32.4	47.0	10.21	36.8	48.0	11.51	41.4	49.5	12.97	46.7	51.0	14.19	51.1	52.0	15.77	56.8	54.0	17.26	62.1	55.5

Radii are based on a 24° trajectory. The lower trajectory angles result in better wind fighting ability, but reduced throw distances. Throw reduction depends upon nozzle flow rate. In general, the throw distance is reduced approximately 3% with each 3° drop in trajectory angle. Use of the wedge insert to modify trajectory will affect distance. Big Gun® performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Test riser height of 3 feet (0.91 meters) above measurement surface. No representation regarding droplet condition, uniformity, application rate, or suitability for a particular application is made herein. Pressure refers to pressure at the nozzle.

TAPER RING NOZZLE. This nozzle combines the changeability of a Ring Nozzle with some of the efficiency of a Taper Bore Nozzle.