

# 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  
12470-014  
12470-016  
12470-017  
12470-018  
12470-019  
12470-020  
12470-021  
12470-022  
12470-023  
12470-024

12.7 mm 100TR PLASTIC NOZZLE  
14 mm 100TR PLASTIC NOZZLE  
16 mm 100TR PLASTIC NOZZLE  
17 mm 100TR PLASTIC NOZZLE  
18 mm 100TR PLASTIC NOZZLE  
19 mm 100TR PLASTIC NOZZLE  
20 mm 100TR PLASTIC NOZZLE  
21 mm 100TR PLASTIC NOZZLE  
22 mm 100TR PLASTIC NOZZLE  
23 mm 100TR PLASTIC NOZZLE  
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 <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /HR	RAD. (M)	L/S	M <sup>3</sup> /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.