

ORIGINAL BIG GUN

PLASTIC TAPER RING NOZZLES FOR THE 150 SERIES BIG GUN® SPRINKLERS



- 12701**
12467
12781
- 150TR PLASTIC CAP + BODY**
150TR PLASTIC CAP
150TR PLASTIC BODY
- 12468-018 18 mm TR150 PLASTIC NOZZLE
 - 12468-019 19 mm TR150 PLASTIC NOZZLE
 - 12468-020 20 mm TR150 PLASTIC NOZZLE
 - 12468-021 21 mm TR150 PLASTIC NOZZLE
 - 12468-022 22 mm TR150 PLASTIC NOZZLE
 - 12468-023 23 mm TR150 PLASTIC NOZZLE
 - 12468-024 24 mm TR150 PLASTIC NOZZLE
 - 12468-025 25 mm TR150 PLASTIC NOZZLE
 - 12468-026 26 mm TR150 PLASTIC NOZZLE
 - 12468-027 27 mm TR150 PLASTIC NOZZLE
 - 12468-028 28 mm TR150 PLASTIC NOZZLE
 - 12468-029 29 mm TR150 PLASTIC NOZZLE
 - 12468-030 30 mm TR150 PLASTIC NOZZLE
 - 12468-031 31 mm TR150 PLASTIC NOZZLE
 - 12468-032 32 mm TR150 PLASTIC NOZZLE
 - 12468-033 33 mm TR150 PLASTIC NOZZLE
 - 12468-034 34 mm TR150 PLASTIC NOZZLE



150 TAPER RING NOZZLE — 24° TRAJECTORY — U.S. UNITS

Pre- sure (PSI)	18 mm		19 mm		20 mm		21 mm		22 mm		23 mm		24 mm		25 mm		26 mm		27 mm		28 mm		29 mm		30 mm		31 mm		32 mm		33 mm		34 mm	
	0.71"		0.75"		0.79"		0.83"		0.87"		0.91"		0.95"		0.98"		1.02"		1.06"		1.10"		1.14"		1.18"		1.22"		1.26"		1.30"		1.34"	
	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)	GPM	RAD. (FT)
50	88	119	99	123	111	127	123	131	135	135	149	139	164	143	179	147	196	151	214	155	233	159	253	163	274	167	296	170	319	174	344	177	369	179
60	97	125	109	130	121	134	134	138	148	142	163	147	179	151	196	155	214	159	234	163	255	167	277	172	301	176	325	180	350	184	377	187	405	189
70	105	134	117	138	131	142	144	146	159	150	176	154	194	158	212	162	231	166	253	170	276	175	300	179	325	183	351	187	378	191	407	194	437	197
80	112	135	126	140	140	145	154	150	170	155	188	160	207	165	226	169	247	173	271	178	295	182	320	187	347	191	375	195	404	199	435	202	467	205
90	118	140	133	145	148	150	164	155	181	160	199	165	220	170	241	175	262	179	287	184	313	189	340	194	368	198	398	202	429	206	461	209	495	212
100	125	144	141	149	156	154	173	160	191	165	210	170	231	175	254	179	277	183	303	188	330	193	358	198	388	203	419	207	452	212	486	215	522	218
110	131	150	147	155	164	160	181	165	200	170	220	175	243	180	266	184	290	188	317	194	346	199	375	204	407	208	440	213	474	217	510	220	548	223
120	137	155	154	160	171	165	189	170	209	175	230	180	253	185	277	189	303	193	331	199	361	204	392	209	425	213	459	218	495	222	533	225	572	229

150 TAPER RING NOZZLE — 24° TRAJECTORY — METRIC UNITS

Pre- sure (bar)	18 mm		19 mm		20 mm		21 mm		22 mm		23 mm		24 mm		25 mm		26 mm		27 mm		28 mm														
	0.71"		0.75"		0.79"		0.83"		0.87"		0.91"		0.95"		0.98"		1.02"		1.06"		1.10"														
	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR
3.5	5.6	20.2	36.5	6.3	22.7	38.0	7.0	25.4	39.0	7.8	28.0	40.0	8.6	30.9	41.5	9.5	34.1	42.5	10.4	37.5	44.0	11.4	41.0	45.0	12.4	44.8	46.0	13.6	49.0	47.5	14.8	53.3	48.5		
4.0	6.0	21.6	38.0	6.7	24.3	39.0	7.5	27.1	40.5	8.3	29.9	41.5	9.2	33.0	43.0	10.1	36.4	44.0	11.1	40.1	45.5	12.2	43.8	46.5	13.3	47.8	48.0	14.5	52.3	49.0	15.8	57.0	50.5		
4.5	6.4	22.9	39.0	7.2	25.7	40.5	8.0	28.7	41.5	8.8	31.7	43.0	9.7	35.0	44.5	10.7	38.6	46.0	11.8	42.5	47.0	12.9	46.5	48.5	14.1	50.7	49.5	15.4	55.5	51.0	16.8	60.5	52.0		
5.0	6.7	24.2	40.0	7.5	27.1	41.5	8.4	30.3	43.0	9.3	33.4	44.5	10.2	36.9	46.0	11.3	40.7	47.0	12.4	44.8	48.5	13.6	49.0	50.0	14.9	53.5	51.0	16.3	58.5	52.5	17.7	63.8	54.0		
5.5	7.0	25.3	41.5	7.9	28.5	43.0	8.8	31.7	44.0	9.7	35.1	45.5	10.7	38.7	47.0	11.8	42.6	48.5	13.0	47.0	50.0	14.3	51.4	51.0	15.6	56.1	52.5	17.0	61.4	54.0	18.6	66.9	55.5		
6.0	7.4	26.5	42.5	8.3	29.8	44.0	9.2	33.1	45.5	10.2	36.6	47.0	11.2	40.4	48.5	12.4	44.5	50.0	13.6	49.0	51.5	14.9	53.7	52.5	16.3	58.6	54.0	17.8	64.1	55.5	19.4	69.9	56.5		
6.5	7.7	27.6	43.5	8.6	31.0	45.0	9.6	34.5	46.5	10.6	38.1	48.0	11.7	42.0	49.5	12.9	46.3	51.0	14.2	51.0	52.5	15.5	55.9	54.0	16.9	61.0	55.0	18.5	66.7	56.5	20.2	72.7	58.0		
7.0	7.9	28.6	44.5	8.9	32.2	46.0	9.9	35.7	47.5	11.0	39.5	49.0	12.1	43.6	50.5	13.3	48.0	52.0	14.7	52.9	53.5	16.1	58.0	55.0	17.6	63.3	56.0	19.2	69.2	58.0	21.0	75.5	59.5		
7.5	8.2	29.6	45.5	9.2	33.3	47.0	10.3	37.0	48.5	11.4	40.9	50.0	12.5	45.2	51.5	13.8	49.7	53.0	15.2	54.8	54.5	16.7	60.0	56.0	18.2	65.5	57.5	19.9	71.7	59.0	21.7	78.1	60.5		
8.0	8.5	30.6	46.5	9.6	34.4	48.0	10.6	38.2	49.5	11.7	42.2	51.0	13.0	46.6	52.5	14.3	51.3	54.0	15.7	56.6	55.5	17.2	62.0	57.0	18.8	67.6	58.0	20.6	74.0	60.0	22.4	80.7	61.5		
8.25	8.6	31.1	47.0	9.7	34.9	48.5	10.8	38.8	50.0	11.9	42.8	51.5	13.2	47.4	53.0	14.5	52.1	54.5	16.0	57.5	56.0	17.5	63.0	57.5	19.1	68.7	58.5	20.9	75.2	60.5	22.8	82.0	62.0		

Pre- sure (bar)	29 mm		30 mm		31 mm		32 mm		33 mm		34 mm												
	1.14"		1.18"		1.22"		1.26"		1.30"		1.34"												
	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR	RAD. (M)	L/S	M³/HR
3.5	16.1	57.9	50.0	17.4	62.8	51.0	18.8	67.8	52.0	20.3	73.1	53.0	21.9	78.7	54.0	23.5	84.5	55.0					
4.0	17.2	61.9	52.0	18.6	67.1	53.0	20.1	72.5	54.0	21.7	78.1	55.0	23.4	84.2	56.0	25.1	90.3	57.0					
4.5	18.2	65.7	53.5	19.8	71.2	54.5	21.4	76.9	56.0	23.0	82.9	57.0	24.8	89.3	58.0	26.6	95.8	59.0					
5.0	19.2	69.2	55.0	20.8	75.1	56.5	22.5	81.1	57.5	24.3	87.4	59.0	26.1	94.1	60.0	28.1	101.0	60.5					
5.5	20.2	72.6	57.0	21.9	78.7	58.0	23.6	85.0	59.5	25.5	91.6	60.5	27.4	98.7	61.5	29.4	105.9	62.5					
6.0	21.1	75.8	58.0	22.8	82.2	59.5	24.7	88.8	61.0	26.6	95.7	62.0	28.6	103.0	63.0	30.7	110.6	64.0					
6.5	21.9	78.9	59.5	23.8	85.6	61.0	25.7	92.5	62.0	27.7	99.7	63.5	29.8	107.2	64.5	32.0	115.2	65.5					
7.0	22.8	81.9	61.0	24.7	88.8	62.0	26.7	96.0	63.5	28.7	103.4	64.5	30.9	111.3	66.0	33.2	119.5	66.5					
7.5	23.6	84.8	62.0	25.5	91.9	63.5	27.6	99.3	64.5	29.7	107.1	66.0	32.0	115.2	67.0	34.4	123.7	68.0					
8.0	24.3	87.6	63.0	26.4	94.9	64.5	28.5	102.6	65.5	30.7	110.6	67.0	33.0	119.0	68.0	35.5	127.7	69.0					
8.25	24.7	88.9	63.5	26.8	96.4	65.0	28.9	104.2	66.0	31.2	112.3	67.5	33.6	120.8	68.5	36.0	129.7	69.5					

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.

