

Smooth Bore & Deluge Tips

For maximum reach, smooth bore tips create concentrated waterflow for use with either handlines or monitors while using lower pressures of 50 or 80 psi. Elkhart offers a wide variety of discharge sizes to suit any need. Additionally, Elkhart's stacked tips allow you to customize the smooth bore to meet your needs in the field.



HANDLINE NOZZLES



SMOOTH BORE & DELUGE TIPS

HANDLINE NOZZLES

1-33

SMOOTH BORE SINGLE TIP

Base Size	AVAILABLE DISCHARGE DIAMETER																				FINISH			DIMENSIONS		MODEL	FIGURE		
	GPM @ 50 PSI										GPM @ 80 PSI										Brass	Chrome	Elk-O-Lite®	Slug	w/bumper			Length (Inches)	Weight (Lbs.)
	3/8"	1/4"	3/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/16"	1 1/8"	1 1/4"	1 1/2"	1 3/8"	1 3/4"	1 7/8"	2"	2 1/4"	2 1/2"	3"									
1"	•	•	•	•	•																s	o		•	4.50	1.0	S-185B		
1.5"					•	•																	s	•	4.75	1.0	185-A	2	
																							o	•	4.50	1.50	185-B	3	
																								s	2.625	0.75	186A	1	
																								s	4.50	0.563	187A	4	
																								s	7.00	0.875	188A	5	
																								s	10.00	0.68	187CAF	6	
2.5"																						s	o	9.0	3.625	181	7		
3.5"																							s	9.0	1.625	181A			
																						o		9.0	7.125	181-3			
5"																							s	12.0	4.0	181-3A	8		
																							s	17.06	6.3	181-5A	9		

Key: s = standard o = option

SMOOTH BORE STACKED TIP

Base Size	AVAILABLE 1ST DISCHARGE						AVAILABLE 2ND DISCHARGE						AVAILABLE 3RD DISCHARGE				AVAIL. 4TH DISCHARGE	FINISH			DIMENSIONS		Model	Figure			
	3/4"	1/2"	1"	1 1/4"	1 1/2"	1 3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	1 3/4"	Brass	Chrome	Elk-O-Lite®	Leader Threading*			Length (Inches)	Weight (Lbs.)	
	GPM 50 PSI			GPM 80 PSI			GPM 50 PSI			GPM 80 PSI			GPM 50 PSI		GPM 80 PSI		GPM 80 PSI										
	118	184	209	265	326	596	813	1063	1665	52	81	209	265	413	596	813	1347	118	209	265	500	596			1063	500	
1.5"	•	•																				s		6.625	0.688	ST-185A	10
																						s	•	7.625	0.875	ST-185A-IFD	
																						s		9.0	4.375	ST-190B	
																						s	•	9.0	1.125	ST-190BA	
2.5"																						s	o	14.0	7.25	ST-191	
																						s	o	10.75	4.0	ST-191-1	
																						s		10.50	2.0	ST-191A	
																						s		9.625	1.675	ST-197A	13
3.5"																						s		12.875	2.125	ST-194	11
																						s		16.75	4.0	ST-195	12

* 1.5 male for line extension

See section 1-8 for available XD Smooth Bore Tips

OPTIONS

THREADS

All base threads are NHT unless otherwise specified. See index T-13 for optional base threads.

PRESSURE

All pressure specified for smooth bores at pitot pressure.