

# Irrigation Booms



Falcon 50 Aluminum Boom

ABI low-pressure fully galvanized irrigation booms are ideal for situations where high wind conditions are a problem or where extremely light applications are required for seedbeds and delicate crops.

They can also be used for wastewater applications applying the liquid close to the ground and eliminating wind-drift and odor problems.



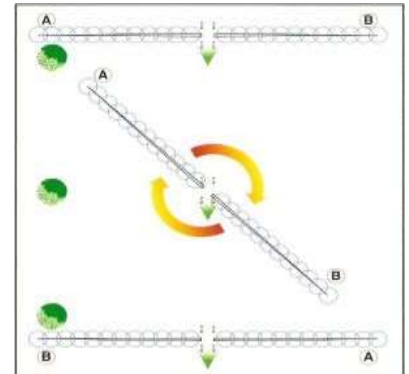
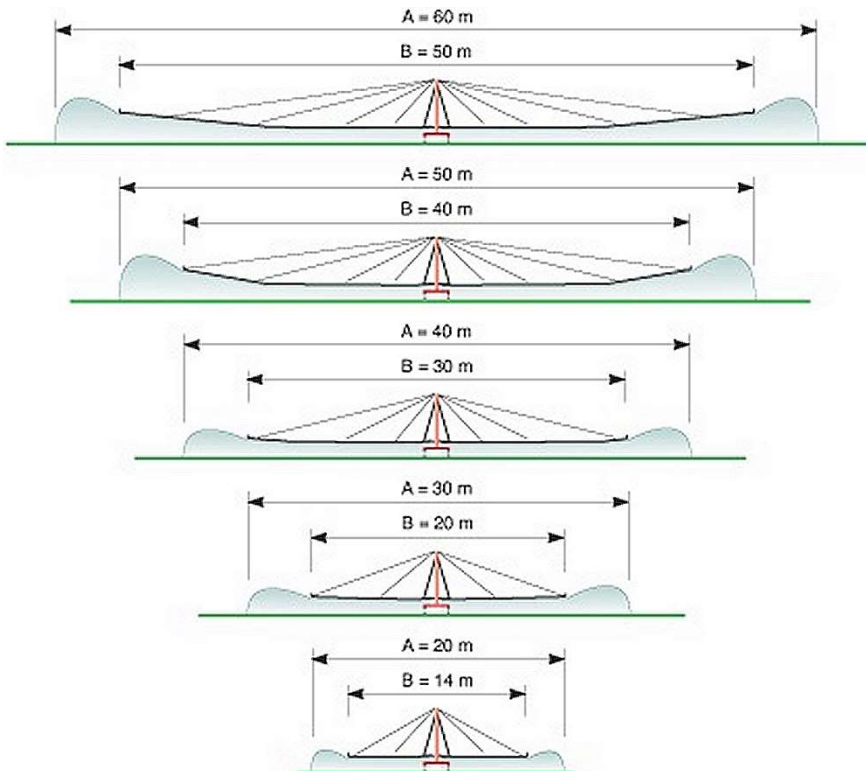
20 m Steel Boom



40 m Steel Boom



50 m Steel Boom



Boom can be turned on 360 degrees to avoid obstacles encountered in the field.



Double cut non-clogging brass nozzles which allow a better distribution of water (RM Patent)

# Irrigation Booms



## Low Pressure Steel Boom Performances

Boom Model	Nozzle Quantity Includes End Nozzles	Nozzle Size (mm)	Boom Pressure (psi)	Flow (gpm)	Irrigated Strip (feet)	Rewind Speed feet/hour														Suggested Traveler														
						32	49	66	82	98	131	164	197	230	262	295	328	393	492															
						Precipitation Rate in Inches																												
14 m (45')	18	5	15	56	75	2.2	1.4	1.1	0.9	0.7	0.5	0.4	0.4	0.3	0.3	0.2											540 GX							
			29	78	82	2.8	1.9	1.4	1.1	1.0	0.7	0.6	0.5	0.4	0.4	0.3																		
			44	94	89	3.1	2.1	1.6	1.2	1.0	0.8	0.5	0.5	0.4	0.4	0.3																		
20 m (65')	17	2	15	85	92	2.7	1.8	1.4	1.1	0.9	0.7	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2									560 GX 570 GX						
			22	107	95	3.3	2.2	1.6	1.3	1.1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2														
			29	131	98	3.9	2.6	2.0	1.6	1.3	1.0	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2													
			36	147	102	4.2	2.8	2.1	1.7	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2												
			44	164	105	4.6	3.1	2.3	1.8	1.5	1.2	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
			15	118	95	3.6	2.4	1.8	1.4	1.2	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2													
		22	142	98	4.2	2.8	2.1	1.7	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2													
		29	166	102	4.8	3.2	2.4	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
		22	163	102	4.7	3.1	2.3	1.8	1.6	1.2	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
29	190	105	5.3	3.5	2.6	2.1	1.8	1.3	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2														
30 m (100')	27	2	15	128	125	3.0	2.0	1.5	1.2	1.0	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2									570 GX 581 GX						
			22	160	128	3.6	2.4	1.8	1.5	1.2	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2														
			29	198	131	4.4	2.9	2.2	1.8	1.5	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2												
			36	222	135	4.8	3.2	2.4	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
			44	247	138	5.2	3.5	2.6	2.1	1.8	1.3	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
			15	181	128	4.1	2.7	2.0	1.6	1.4	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2												
		22	217	131	4.8	3.2	2.4	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
		29	281	135	6.1	4.1	3.1	2.4	2.0	1.5	1.2	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2												
		15	211	128	4.8	3.2	2.4	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
		22	250	131	5.6	3.7	2.8	2.2	1.9	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
		29	290	135	6.3	4.2	3.1	2.5	2.1	1.6	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2												
		40m (130')	35	2	15	166	157	3.0	2.0	1.5	1.2	1.0	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2									581 GX 690 GX 790 GX 890 GX				
22	201				161	3.7	2.4	1.8	1.5	1.2	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2														
29	247				164	4.4	3.0	2.2	1.8	1.5	1.1	0.9	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2													
36	282				167	4.9	3.3	2.5	2.0	1.7	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
44	313				170	5.4	3.6	2.7	2.2	1.8	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
15	230				160	4.2	2.8	2.1	1.7	1.4	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
22	277			164	5.0	3.3	2.5	2.0	1.7	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2													
29	323			167	5.7	3.8	2.8	2.3	1.9	1.4	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2												
36	374			170	6.4	4.3	3.2	2.6	2.1	1.6	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
44	412			174	7.0	4.6	3.5	2.8	2.3	1.7	1.4	1.2	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2												
15	268			164	4.8	3.2	2.4	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
22	318			167	5.6	3.7	2.8	2.2	1.9	1.4	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2												
29	371			170	6.4	4.2	3.2	2.5	2.1	1.6	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
36	418			174	7.1	4.7	3.5	2.8	2.3	1.8	1.4	1.2	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2												
44	468			177	7.7	5.2	3.9	3.1	2.6	1.9	1.5	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2												
15	306			164	5.5	3.7	2.7	2.2	1.8	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
22	366			167	6.4	4.3	3.2	2.6	2.1	1.6	1.3	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
29	412			170	7.1	4.7	3.5	2.8	2.3	1.8	1.2	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2												
36	468			174	7.9	5.3	3.9	3.2	2.6	2.0	1.6	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2												
44	513			187	8.1	5.4	4.0	3.2	2.7	2.0	1.6	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2												
50m (165')	45			2	15	203	190	3.1	2.1	1.6	1.2	1.0	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2							690 GX 790 GX 890 GX						
					22	250	194	3.8	2.5	1.9	1.5	1.3	1.0	0.8	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2												
					29	309	197	4.6	3.1	2.3	1.8	1.5	1.2	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2											
					36	352	200	5.2	3.4	2.6	2.1	1.7	1.3	1.0	0.9	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2										
		44	392		203	5.6	3.8	2.8	2.3	1.9	1.4	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2												
		15	287		194	4.3	2.9	2.2	1.7	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2													
		22	346	197	5.1	3.4	2.6	2.1	1.7	1.3	1.0	0.9	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2													
		29	404	200	5.9	4.0	3.0	2.4	2.0	1.5	1.2	1.0	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2													
		36	468	203	6.7	4.5	3.4	2.7	2.2	1.7	1.4	1.1	1.0	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2												
		15	334	197	5.0	3.3	2.5	2.0	1.7	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2													
		22	398	200	5.8	4.0	2.9	2.3	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2													
		29	463	203	6.7	4.4	3.3	2.7	2.2	1.7	1.3	1.1	1.0	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2												
		36	523	207	7.4	5.0	3.7	3.0	2.5	1.9	1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2												
		15	382	197	5.7	3.8	2.8	2.3	1.9	1.4	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2													
		22	457	200	6.7	4.5	3.3	2.7	2.2	1.7	1.3	1.1	1.0																					