



Briggs Irrigation
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Retraction Speed Charts

52m - 96m Lane Spacing



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

		Lane Spacing (Distance Between Runs) 52 m																								
		imperial gpm	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
		m ³ /hr	25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	94	105	115																						
	7.5 mm	63	70	77	84	91	98	105	112	119																
	10 mm	47	52	58	63	68	73	79	84	89	94	100	105	110	115											
	12.5 mm	38	42	46	50	55	59	63	67	71	76	80	84	88	92	96	101	105	109	113	117					
	15 mm	31	35	38	42	45	49	52	56	59	63	66	70	73	77	80	84	87	91	94	98	101	105	108	112	
	17.5 mm	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	90	93	96	
	20 mm	24	26	29	31	34	37	39	42	45	47	50	52	55	58	60	63	66	68	71	73	76	79	81	84	
	22.5 mm	21	23	26	28	30	33	35	37	40	42	44	47	49	51	54	56	58	61	63	65	68	70	72	75	
	25 mm	19	21	23	25	27	29	31	34	36	38	40	42	44	46	48	50	52	55	57	59	61	63	65	67	
	27.5 mm	17	19	21	23	25	27	29	31	32	34	36	38	40	42	44	46	48	50	51	53	55	57	59	61	
	30 mm	16	17	19	21	23	24	26	28	30	31	33	35	37	38	40	42	44	45	47	49	51	52	54	56	
	32.5 mm	15	16	18	19	21	23	24	26	27	29	31	32	34	35	37	39	40	42	44	45	47	48	50	52	
	35 mm	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34	36	37	39	40	42	43	45	46	48	
	37.5 mm	13	14	15	17	18	20	21	22	24	25	27	28	29	31	32	34	35	36	38	39	41	42	43	45	
40 mm	12	13	14	16	17	18	20	21	22	24	25	26	28	29	30	31	33	34	35	37	38	39	41	42		



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		54 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	91	101	111																					
	7.5 mm	61	67	74	81	88	94	101	108	114															
	10 mm	45	51	56	61	66	71	76	81	86	91	96	101	106	111	116									
	12.5 mm	36	40	44	48	53	57	61	65	69	73	77	81	85	89	93	97	101	105	109	113	117			
	15 mm	30	34	37	40	44	47	51	54	57	61	64	67	71	74	77	81	84	88	91	94	98	101	104	108
	17.5 mm	26	29	32	35	38	40	43	46	49	52	55	58	61	63	66	69	72	75	78	81	84	87	89	92
	20 mm	23	25	28	30	33	35	38	40	43	45	48	51	53	56	58	61	63	66	68	71	73	76	78	81
	22.5 mm	20	22	25	27	29	31	34	36	38	40	43	45	47	49	52	54	56	58	61	63	65	67	70	72
	25 mm	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	51	53	55	57	59	61	63	65
	27.5 mm	17	18	20	22	24	26	28	29	31	33	35	37	39	40	42	44	46	48	50	51	53	55	57	59
	30 mm	15	17	19	20	22	24	25	27	29	30	32	34	35	37	39	40	42	44	45	47	49	51	52	54
	32.5 mm	14	16	17	19	20	22	23	25	26	28	30	31	33	34	36	37	39	40	42	44	45	47	48	50
	35 mm	13	14	16	17	19	20	22	23	25	26	27	29	30	32	33	35	36	38	39	40	42	43	45	46
	37.5 mm	12	13	15	16	18	19	20	22	23	24	26	27	28	30	31	32	34	35	36	38	39	40	42	43
	40 mm	11	13	14	15	16	18	19	20	21	23	24	25	27	28	29	30	32	33	34	35	37	38	39	40



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		56 m																									
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320		
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87		
A P P L I C A T I O N	5 mm	88	97	107	117																						
	7.5 mm	58	65	71	78	84	91	97	104	110	117																
	10 mm	44	49	54	58	63	68	73	78	83	88	93	97	102	107	112	117										
	12.5 mm	35	39	43	47	51	55	58	62	66	70	74	78	82	86	90	93	97	101	105	109	113	117				
	15 mm	29	32	36	39	42	45	49	52	55	58	62	65	68	71	75	78	81	84	88	91	94	97	101	104		
	17.5 mm	25	28	31	33	36	39	42	45	47	50	53	56	58	61	64	67	70	72	75	78	81	83	86	89		
	20 mm	22	24	27	29	32	34	37	39	41	44	46	49	51	54	56	58	61	63	66	68	71	73	75	78		
	22.5 mm	19	22	24	26	28	30	32	35	37	39	41	43	45	48	50	52	54	56	58	61	63	65	67	69		
	25 mm	18	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	56	58	60	62		
	27.5 mm	16	18	19	21	23	25	27	28	30	32	34	35	37	39	41	42	44	46	48	50	51	53	55	57		
	30 mm	15	16	18	19	21	23	24	26	28	29	31	32	34	36	37	39	41	42	44	45	47	49	50	52		
	32.5 mm	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34	36	37	39	40	42	43	45	46	48		
	35 mm	13	14	15	17	18	19	21	22	24	25	26	28	29	31	32	33	35	36	38	39	40	42	43	45		
	37.5 mm	12	13	14	16	17	18	19	21	22	23	25	26	27	29	30	31	32	34	35	36	38	39	40	42		
40 mm	11	12	13	15	16	17	18	19	21	22	23	24	26	27	28	29	30	32	33	34	35	37	38	39			



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Lane Spacing (Distance Between Runs)		58 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	85	94	103	113																				
	7.5 mm	56	63	69	75	81	88	94	100	107	113	119													
	10 mm	42	47	52	56	61	66	71	75	80	85	89	94	99	103	108	113	118							
	12.5 mm	34	38	41	45	49	53	56	60	64	68	71	75	79	83	87	90	94	98	102	105	109	113	117	
	15 mm	28	31	34	38	41	44	47	50	53	56	60	63	66	69	72	75	78	81	85	88	91	94	97	100
	17.5 mm	24	27	30	32	35	38	40	43	46	48	51	54	56	59	62	64	67	70	73	75	78	81	83	86
	20 mm	21	24	26	28	31	33	35	38	40	42	45	47	49	52	54	56	59	61	63	66	68	71	73	75
	22.5 mm	19	21	23	25	27	29	31	33	36	38	40	42	44	46	48	50	52	54	56	59	61	63	65	67
	25 mm	17	19	21	23	24	26	28	30	32	34	36	38	39	41	43	45	47	49	51	53	55	56	58	60
	27.5 mm	15	17	19	21	22	24	26	27	29	31	32	34	36	38	39	41	43	44	46	48	50	51	53	55
	30 mm	14	16	17	19	20	22	24	25	27	28	30	31	33	34	36	38	39	41	42	44	45	47	49	50
	32.5 mm	13	14	16	17	19	20	22	23	25	26	27	29	30	32	33	35	36	38	39	41	42	43	45	46
	35 mm	12	13	15	16	17	19	20	21	23	24	26	27	28	30	31	32	34	35	36	38	39	40	42	43
	37.5 mm	11	13	14	15	16	18	19	20	21	23	24	25	26	28	29	30	31	33	34	35	36	38	39	40
40 mm	11	12	13	14	15	16	18	19	20	21	22	24	25	26	27	28	29	31	32	33	34	35	36	38	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		60 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	82	91	100	109	118																			
	7.5 mm	55	61	67	73	79	85	91	97	103	109	115													
	10 mm	41	45	50	55	59	64	68	73	77	82	86	91	95	100	105	109	114	118						
	12.5 mm	33	36	40	44	47	51	55	58	62	65	69	73	76	80	84	87	91	95	98	102	105	109	113	116
	15 mm	27	30	33	36	39	42	45	48	52	55	58	61	64	67	70	73	76	79	82	85	88	91	94	97
	17.5 mm	23	26	29	31	34	36	39	42	44	47	49	52	55	57	60	62	65	68	70	73	75	78	81	83
	20 mm	20	23	25	27	30	32	34	36	39	41	43	45	48	50	52	55	57	59	61	64	66	68	70	73
	22.5 mm	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	51	53	55	57	59	61	63	65
	25 mm	16	18	20	22	24	25	27	29	31	33	35	36	38	40	42	44	45	47	49	51	53	55	56	58
	27.5 mm	15	17	18	20	21	23	25	26	28	30	31	33	35	36	38	40	41	43	45	46	48	50	51	53
	30 mm	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	41	42	44	45	47	48
	32.5 mm	13	14	15	17	18	20	21	22	24	25	27	28	29	31	32	34	35	36	38	39	41	42	43	45
	35 mm	12	13	14	16	17	18	19	21	22	23	25	26	27	29	30	31	32	34	35	36	38	39	40	42
	37.5 mm	11	12	13	15	16	17	18	19	21	22	23	24	25	27	28	29	30	32	33	34	35	36	38	39
	40 mm	10	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	28	30	31	32	33	34	35	36



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		62 m																								
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87	
A P P L I C A T I O N R A T E	5 mm	79	88	97	106	114																				
	7.5 mm	53	59	65	70	76	82	88	94	100	106	111	117													
	10 mm	40	44	48	53	57	62	66	70	75	79	84	88	92	97	101	106	110	114	119						
	12.5 mm	32	35	39	42	46	49	53	56	60	63	67	70	74	77	81	84	88	91	95	99	102	106	109	113	
	15 mm	26	29	32	35	38	41	44	47	50	53	56	59	62	65	67	70	73	76	79	82	85	88	91	94	
	17.5 mm	23	25	28	30	33	35	38	40	43	45	48	50	53	55	58	60	63	65	68	70	73	75	78	80	
	20 mm	20	22	24	26	29	31	33	35	37	40	42	44	46	48	51	53	55	57	59	62	64	66	68	70	
	22.5 mm	18	20	22	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	
	25 mm	16	18	19	21	23	25	26	28	30	32	33	35	37	39	40	42	44	46	48	49	51	53	55	56	
	27.5 mm	14	16	18	19	21	22	24	26	27	29	30	32	34	35	37	38	40	42	43	45	46	48	50	51	
	30 mm	13	15	16	18	19	21	22	23	25	26	28	29	31	32	34	35	37	38	40	41	43	44	45	47	
	32.5 mm	12	14	15	16	18	19	20	22	23	24	26	27	28	30	31	32	34	35	37	38	39	41	42	43	
	35 mm	11	13	14	15	16	18	19	20	21	23	24	25	26	28	29	30	31	33	34	35	36	38	39	40	
	37.5 mm	11	12	13	14	15	16	18	19	20	21	22	23	25	26	27	28	29	30	32	33	34	35	36	38	
	40 mm	10	11	12	13	14	15	16	18	19	20	21	22	23	24	25	26	27	29	30	31	32	33	34	35	



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Lane Spacing (Distance Between Runs)		64 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	77	85	94	102	111	119																		
	7.5 mm	51	57	62	68	74	80	85	91	97	102	108	114	119											
	10 mm	38	43	47	51	55	60	64	68	72	77	81	85	89	94	98	102	107	111	115	119				
	12.5 mm	31	34	37	41	44	48	51	55	58	61	65	68	72	75	78	82	85	89	92	95	99	102	106	109
	15 mm	26	28	31	34	37	40	43	45	48	51	54	57	60	62	65	68	71	74	77	80	82	85	88	91
	17.5 mm	22	24	27	29	32	34	37	39	41	44	46	49	51	54	56	58	61	63	66	68	71	73	75	78
	20 mm	19	21	23	26	28	30	32	34	36	38	40	43	45	47	49	51	53	55	58	60	62	64	66	68
	22.5 mm	17	19	21	23	25	27	28	30	32	34	36	38	40	42	44	45	47	49	51	53	55	57	59	61
	25 mm	15	17	19	20	22	24	26	27	29	31	32	34	36	37	39	41	43	44	46	48	49	51	53	55
	27.5 mm	14	15	17	19	20	22	23	25	26	28	29	31	33	34	36	37	39	40	42	43	45	46	48	50
	30 mm	13	14	16	17	18	20	21	23	24	26	27	28	30	31	33	34	36	37	38	40	41	43	44	45
	32.5 mm	12	13	14	16	17	18	20	21	22	24	25	26	28	29	30	31	33	34	35	37	38	39	41	42
	35 mm	11	12	13	15	16	17	18	19	21	22	23	24	26	27	28	29	30	32	33	34	35	37	38	39
	37.5 mm	10	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	28	30	31	32	33	34	35	36
	40 mm	10	11	12	13	14	15	16	17	18	19	20	21	22	23	25	26	27	28	29	30	31	32	33	34



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		66 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	74	83	91	99	107	116																		
	7.5 mm	50	55	61	66	72	77	83	88	94	99	105	110	116											
	10 mm	37	41	45	50	54	58	62	66	70	74	79	83	87	91	95	99	103	107	112	116	120			
	12.5 mm	30	33	36	40	43	46	50	53	56	59	63	66	69	73	76	79	83	86	89	93	96	99	102	106
	15 mm	25	28	30	33	36	39	41	44	47	50	52	55	58	61	63	66	69	72	74	77	80	83	85	88
	17.5 mm	21	24	26	28	31	33	35	38	40	42	45	47	50	52	54	57	59	61	64	66	68	71	73	76
	20 mm	19	21	23	25	27	29	31	33	35	37	39	41	43	45	48	50	52	54	56	58	60	62	64	66
	22.5 mm	17	18	20	22	24	26	28	29	31	33	35	37	39	40	42	44	46	48	50	51	53	55	57	59
	25 mm	15	17	18	20	21	23	25	26	28	30	31	33	35	36	38	40	41	43	45	46	48	50	51	53
	27.5 mm	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	41	42	44	45	47	48
	30 mm	12	14	15	17	18	19	21	22	23	25	26	28	29	30	32	33	34	36	37	39	40	41	43	44
	32.5 mm	11	13	14	15	17	18	19	20	22	23	24	25	27	28	29	31	32	33	34	36	37	38	39	41
	35 mm	11	12	13	14	15	17	18	19	20	21	22	24	25	26	27	28	30	31	32	33	34	35	37	38
	37.5 mm	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	28	29	30	31	32	33	34	35
	40 mm	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		68 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	72	80	88	96	104	112																		
	7.5 mm	48	53	59	64	70	75	80	86	91	96	102	107	112	118										
	10 mm	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116			
	12.5 mm	29	32	35	38	42	45	48	51	55	58	61	64	67	71	74	77	80	83	87	90	93	96	99	103
	15 mm	24	27	29	32	35	37	40	43	45	48	51	53	56	59	61	64	67	70	72	75	78	80	83	86
	17.5 mm	21	23	25	27	30	32	34	37	39	41	44	46	48	50	53	55	57	60	62	64	66	69	71	73
	20 mm	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
	22.5 mm	16	18	20	21	23	25	27	29	30	32	34	36	37	39	41	43	45	46	48	50	52	53	55	57
	25 mm	14	16	18	19	21	22	24	26	27	29	30	32	34	35	37	38	40	42	43	45	47	48	50	51
	27.5 mm	13	15	16	17	19	20	22	23	25	26	28	29	31	32	34	35	36	38	39	41	42	44	45	47
	30 mm	12	13	15	16	17	19	20	21	23	24	25	27	28	29	31	32	33	35	36	37	39	40	41	43
	32.5 mm	11	12	14	15	16	17	19	20	21	22	23	25	26	27	28	30	31	32	33	35	36	37	38	39
	35 mm	10	11	13	14	15	16	17	18	19	21	22	23	24	25	26	27	29	30	31	32	33	34	36	37
	37.5 mm	10	11	12	13	14	15	16	17	18	19	20	21	22	24	25	26	27	28	29	30	31	32	33	34
	40 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		70 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	70	78	86	93	101	109	117																	
	7.5 mm	47	52	57	62	68	73	78	83	88	93	99	104	109	114	119									
	10 mm	35	39	43	47	51	55	58	62	66	70	74	78	82	86	90	93	97	101	105	109	113	117		
	12.5 mm	28	31	34	37	41	44	47	50	53	56	59	62	65	69	72	75	78	81	84	87	90	93	97	100
	15 mm	23	26	29	31	34	36	39	42	44	47	49	52	55	57	60	62	65	68	70	73	75	78	81	83
	17.5 mm	20	22	24	27	29	31	33	36	38	40	42	45	47	49	51	53	56	58	60	62	65	67	69	71
	20 mm	18	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	56	58	60	62
	22.5 mm	16	17	19	21	23	24	26	28	29	31	33	35	36	38	40	42	43	45	47	48	50	52	54	55
	25 mm	14	16	17	19	20	22	23	25	26	28	30	31	33	34	36	37	39	41	42	44	45	47	48	50
	27.5 mm	13	14	16	17	18	20	21	23	24	25	27	28	30	31	33	34	35	37	38	40	41	42	44	45
	30 mm	12	13	14	16	17	18	19	21	22	23	25	26	27	29	30	31	32	34	35	36	38	39	40	42
	32.5 mm	11	12	13	14	16	17	18	19	20	22	23	24	25	26	28	29	30	31	32	34	35	36	37	38
	35 mm	10	11	12	13	14	16	17	18	19	20	21	22	23	24	26	27	28	29	30	31	32	33	35	36
	37.5 mm	9	10	11	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	40 mm	9	10	11	12	13	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		72 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	68	76	83	91	98	106	114																	
	7.5 mm	45	51	56	61	66	71	76	81	86	91	96	101	106	111	116									
	10 mm	34	38	42	45	49	53	57	61	64	68	72	76	80	83	87	91	95	98	102	106	110	114	117	
	12.5 mm	27	30	33	36	39	42	45	48	52	55	58	61	64	67	70	73	76	79	82	85	88	91	94	97
	15 mm	23	25	28	30	33	35	38	40	43	45	48	51	53	56	58	61	63	66	68	71	73	76	78	81
	17.5 mm	19	22	24	26	28	30	32	35	37	39	41	43	45	48	50	52	54	56	58	61	63	65	67	69
	20 mm	17	19	21	23	25	27	28	30	32	34	36	38	40	42	44	45	47	49	51	53	55	57	59	61
	22.5 mm	15	17	19	20	22	24	25	27	29	30	32	34	35	37	39	40	42	44	45	47	49	51	52	54
	25 mm	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	41	42	44	45	47	48
	27.5 mm	12	14	15	17	18	19	21	22	23	25	26	28	29	30	32	33	34	36	37	39	40	41	43	44
	30 mm	11	13	14	15	16	18	19	20	21	23	24	25	27	28	29	30	32	33	34	35	37	38	39	40
	32.5 mm	10	12	13	14	15	16	17	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	37
	35 mm	10	11	12	13	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32	34	35
	37.5 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
40 mm	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27	28	29	30	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		74 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	66	74	81	88	96	103	111	118																
	7.5 mm	44	49	54	59	64	69	74	79	84	88	93	98	103	108	113	118								
	10 mm	33	37	41	44	48	52	55	59	63	66	70	74	77	81	85	88	92	96	99	103	107	111	114	118
	12.5 mm	27	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	85	88	91	94
	15 mm	22	25	27	29	32	34	37	39	42	44	47	49	52	54	57	59	61	64	66	69	71	74	76	79
	17.5 mm	19	21	23	25	27	29	32	34	36	38	40	42	44	46	48	51	53	55	57	59	61	63	65	67
	20 mm	17	18	20	22	24	26	28	29	31	33	35	37	39	41	42	44	46	48	50	52	53	55	57	59
	22.5 mm	15	16	18	20	21	23	25	26	28	29	31	33	34	36	38	39	41	43	44	46	47	49	51	52
	25 mm	13	15	16	18	19	21	22	24	25	27	28	29	31	32	34	35	37	38	40	41	43	44	46	47
	27.5 mm	12	13	15	16	17	19	20	21	23	24	25	27	28	29	31	32	34	35	36	38	39	40	42	43
	30 mm	11	12	14	15	16	17	18	20	21	22	23	25	26	27	28	29	31	32	33	34	36	37	38	39
	32.5 mm	10	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	28	29	31	32	33	34	35	36
	35 mm	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	31	32	33	34
	37.5 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	28	29	30	31
40 mm	8	9	10	11	12	13	14	15	16	17	18	18	19	20	21	22	23	24	25	26	27	28	29	29	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		76 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N	5 mm	65	72	79	86	93	100	108	115																
	7.5 mm	43	48	53	57	62	67	72	77	81	86	91	96	100	105	110	115	120							
	10 mm	32	36	39	43	47	50	54	57	61	65	68	72	75	79	83	86	90	93	97	100	104	108	111	115
	12.5 mm	26	29	32	34	37	40	43	46	49	52	55	57	60	63	66	69	72	75	78	80	83	86	89	92
	15 mm	22	24	26	29	31	33	36	38	41	43	45	48	50	53	55	57	60	62	65	67	69	72	74	77
	17.5 mm	18	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	62	64	66
	20 mm	16	18	20	22	23	25	27	29	30	32	34	36	38	39	41	43	45	47	48	50	52	54	56	57
	22.5 mm	14	16	18	19	21	22	24	26	27	29	30	32	33	35	37	38	40	41	43	45	46	48	49	51
	25 mm	13	14	16	17	19	20	22	23	24	26	27	29	30	32	33	34	36	37	39	40	42	43	44	46
	27.5 mm	12	13	14	16	17	18	20	21	22	23	25	26	27	29	30	31	33	34	35	37	38	39	40	42
	30 mm	11	12	13	14	16	17	18	19	20	22	23	24	25	26	28	29	30	31	32	33	35	36	37	38
	32.5 mm	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	28	29	30	31	32	33	34	35
	35 mm	9	10	11	12	13	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32	33
	37.5 mm	9	10	11	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
40 mm	8	9	10	11	12	13	13	14	15	16	17	18	19	20	21	22	22	23	24	25	26	27	28	29	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		78 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	63	70	77	84	91	98	105	112	119															
	7.5 mm	42	47	51	56	61	65	70	75	79	84	89	93	98	103	107	112	117							
	10 mm	31	35	38	42	45	49	52	56	59	63	66	70	73	77	80	84	87	91	94	98	101	105	108	112
	12.5 mm	25	28	31	34	36	39	42	45	48	50	53	56	59	62	64	67	70	73	76	78	81	84	87	90
	15 mm	21	23	26	28	30	33	35	37	40	42	44	47	49	51	54	56	58	61	63	65	68	70	72	75
	17.5 mm	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
	20 mm	16	17	19	21	23	24	26	28	30	31	33	35	37	38	40	42	44	45	47	49	51	52	54	56
	22.5 mm	14	16	17	19	20	22	23	25	26	28	30	31	33	34	36	37	39	40	42	44	45	47	48	50
	25 mm	13	14	15	17	18	20	21	22	24	25	27	28	29	31	32	34	35	36	38	39	41	42	43	45
	27.5 mm	11	13	14	15	17	18	19	20	22	23	24	25	27	28	29	31	32	33	34	36	37	38	39	41
	30 mm	10	12	13	14	15	16	17	19	20	21	22	23	24	26	27	28	29	30	31	33	34	35	36	37
	32.5 mm	10	11	12	13	14	15	16	17	18	19	20	22	23	24	25	26	27	28	29	30	31	32	33	34
	35 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	37.5 mm	8	9	10	11	12	13	14	15	16	17	18	19	20	21	21	22	23	24	25	26	27	28	29	30
40 mm	8	9	10	10	11	12	13	14	15	16	17	17	18	19	20	21	22	23	24	24	25	26	27	28	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		80 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	61	68	75	82	89	95	102	109	116															
	7.5 mm	41	45	50	55	59	64	68	73	77	82	86	91	95	100	105	109	114	118						
	10 mm	31	34	37	41	44	48	51	55	58	61	65	68	72	75	78	82	85	89	92	95	99	102	106	109
	12.5 mm	25	27	30	33	35	38	41	44	46	49	52	55	57	60	63	65	68	71	74	76	79	82	85	87
	15 mm	20	23	25	27	30	32	34	36	39	41	43	45	48	50	52	55	57	59	61	64	66	68	70	73
	17.5 mm	18	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	56	58	60	62
	20 mm	15	17	19	20	22	24	26	27	29	31	32	34	36	37	39	41	43	44	46	48	49	51	53	55
	22.5 mm	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	41	42	44	45	47	48
	25 mm	12	14	15	16	18	19	20	22	23	25	26	27	29	30	31	33	34	35	37	38	40	41	42	44
	27.5 mm	11	12	14	15	16	17	19	20	21	22	24	25	26	27	29	30	31	32	33	35	36	37	38	40
	30 mm	10	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	28	30	31	32	33	34	35	36
	32.5 mm	9	10	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34
	35 mm	9	10	11	12	13	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31
	37.5 mm	8	9	10	11	12	13	14	15	15	16	17	18	19	20	21	22	23	24	25	25	26	27	28	29
40 mm	8	9	9	10	11	12	13	14	14	15	16	17	18	19	20	20	21	22	23	24	25	26	26	27	

The figures in this table are for reference purposes only. Please check with hosereel manufacturer that flows and retraction speeds are possible. revised 01/11/2018



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		81 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	61	67	74	81	88	94	101	108	114															
	7.5 mm	40	45	49	54	58	63	67	72	76	81	85	90	94	99	103	108	112	117						
	10 mm	30	34	37	40	44	47	51	54	57	61	64	67	71	74	77	81	84	88	91	94	98	101	104	108
	12.5 mm	24	27	30	32	35	38	40	43	46	48	51	54	57	59	62	65	67	70	73	75	78	81	83	86
	15 mm	20	22	25	27	29	31	34	36	38	40	43	45	47	49	52	54	56	58	61	63	65	67	70	72
	17.5 mm	17	19	21	23	25	27	29	31	33	35	37	38	40	42	44	46	48	50	52	54	56	58	60	62
	20 mm	15	17	19	20	22	24	25	27	29	30	32	34	35	37	39	40	42	44	45	47	49	51	52	54
	22.5 mm	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34	36	37	39	40	42	43	45	46	48
	25 mm	12	13	15	16	18	19	20	22	23	24	26	27	28	30	31	32	34	35	36	38	39	40	42	43
	27.5 mm	11	12	13	15	16	17	18	20	21	22	23	24	26	27	28	29	31	32	33	34	36	37	38	39
	30 mm	10	11	12	13	15	16	17	18	19	20	21	22	24	25	26	27	28	29	30	31	33	34	35	36
	32.5 mm	9	10	11	12	13	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	35 mm	9	10	11	12	13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	37.5 mm	8	9	10	11	12	13	13	14	15	16	17	18	19	20	21	22	22	23	24	25	26	27	28	29
	40 mm	8	8	9	10	11	12	13	13	14	15	16	17	18	19	19	20	21	22	23	24	24	25	26	27



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		82 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	60	67	73	80	86	93	100	106	113	120														
	7.5 mm	40	44	49	53	58	62	67	71	75	80	84	89	93	98	102	106	111	115	120					
	10 mm	30	33	37	40	43	47	50	53	57	60	63	67	70	73	76	80	83	86	90	93	96	100	103	106
	12.5 mm	24	27	29	32	35	37	40	43	45	48	51	53	56	59	61	64	67	69	72	74	77	80	82	85
	15 mm	20	22	24	27	29	31	33	35	38	40	42	44	47	49	51	53	55	58	60	62	64	67	69	71
	17.5 mm	17	19	21	23	25	27	29	30	32	34	36	38	40	42	44	46	48	49	51	53	55	57	59	61
	20 mm	15	17	18	20	22	23	25	27	28	30	32	33	35	37	38	40	42	43	45	47	48	50	52	53
	22.5 mm	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34	35	37	38	40	41	43	44	46	47
	25 mm	12	13	15	16	17	19	20	21	23	24	25	27	28	29	31	32	33	35	36	37	39	40	41	43
	27.5 mm	11	12	13	15	16	17	18	19	21	22	23	24	25	27	28	29	30	31	33	34	35	36	37	39
	30 mm	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	27	28	29	30	31	32	33	34	35
	32.5 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	23	24	25	26	27	28	29	30	31	32	33
	35 mm	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	29	30
	37.5 mm	8	9	10	11	12	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	27	28
40 mm	7	8	9	10	11	12	12	13	14	15	16	17	17	18	19	20	21	22	22	23	24	25	26	27	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		84 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	58	65	71	78	84	91	97	104	110	117														
	7.5 mm	39	43	48	52	56	61	65	69	74	78	82	87	91	95	100	104	108	113	117					
	10 mm	29	32	36	39	42	45	49	52	55	58	62	65	68	71	75	78	81	84	88	91	94	97	101	104
	12.5 mm	23	26	29	31	34	36	39	42	44	47	49	52	55	57	60	62	65	68	70	73	75	78	81	83
	15 mm	19	22	24	26	28	30	32	35	37	39	41	43	45	48	50	52	54	56	58	61	63	65	67	69
	17.5 mm	17	19	20	22	24	26	28	30	32	33	35	37	39	41	43	45	46	48	50	52	54	56	58	59
	20 mm	15	16	18	19	21	23	24	26	28	29	31	32	34	36	37	39	41	42	44	45	47	49	50	52
	22.5 mm	13	14	16	17	19	20	22	23	25	26	27	29	30	32	33	35	36	38	39	40	42	43	45	46
	25 mm	12	13	14	16	17	18	19	21	22	23	25	26	27	29	30	31	32	34	35	36	38	39	40	42
	27.5 mm	11	12	13	14	15	17	18	19	20	21	22	24	25	26	27	28	30	31	32	33	34	35	37	38
	30 mm	10	11	12	13	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32	34	35
	32.5 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	35 mm	8	9	10	11	12	13	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30
	37.5 mm	8	9	10	10	11	12	13	14	15	16	16	17	18	19	20	21	22	23	23	24	25	26	27	28
40 mm	7	8	9	10	11	11	12	13	14	15	15	16	17	18	19	19	20	21	22	23	24	24	25	26	



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		86 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	57	63	70	76	82	89	95	101	108	114														
	7.5 mm	38	42	47	51	55	59	63	68	72	76	80	85	89	93	97	101	106	110	114	118				
	10 mm	29	32	35	38	41	44	48	51	54	57	60	63	67	70	73	76	79	82	86	89	92	95	98	101
	12.5 mm	23	25	28	30	33	36	38	41	43	46	48	51	53	56	58	61	63	66	68	71	74	76	79	81
	15 mm	19	21	23	25	27	30	32	34	36	38	40	42	44	47	49	51	53	55	57	59	61	63	66	68
	17.5 mm	16	18	20	22	24	25	27	29	31	33	34	36	38	40	42	43	45	47	49	51	53	54	56	58
	20 mm	14	16	17	19	21	22	24	25	27	29	30	32	33	35	36	38	40	41	43	44	46	48	49	51
	22.5 mm	13	14	16	17	18	20	21	23	24	25	27	28	30	31	32	34	35	37	38	39	41	42	44	45
	25 mm	11	13	14	15	16	18	19	20	22	23	24	25	27	28	29	30	32	33	34	36	37	38	39	41
	27.5 mm	10	12	13	14	15	16	17	18	20	21	22	23	24	25	27	28	29	30	31	32	33	35	36	37
	30 mm	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	29	30	31	32	33	34
	32.5 mm	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28	29	30	31
	35 mm	8	9	10	11	12	13	14	14	15	16	17	18	19	20	21	22	23	24	24	25	26	27	28	29
	37.5 mm	8	8	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21	22	23	24	25	25	26	27
	40 mm	7	8	9	10	10	11	12	13	13	14	15	16	17	17	18	19	20	21	21	22	23	24	25	25



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		88 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	56	62	68	74	81	87	93	99	105	112	118													
	7.5 mm	37	41	45	50	54	58	62	66	70	74	79	83	87	91	95	99	103	107	112	116	120			
	10 mm	28	31	34	37	40	43	46	50	53	56	59	62	65	68	71	74	77	81	84	87	90	93	96	99
	12.5 mm	22	25	27	30	32	35	37	40	42	45	47	50	52	55	57	59	62	64	67	69	72	74	77	79
	15 mm	19	21	23	25	27	29	31	33	35	37	39	41	43	45	48	50	52	54	56	58	60	62	64	66
	17.5 mm	16	18	19	21	23	25	27	28	30	32	34	35	37	39	41	42	44	46	48	50	51	53	55	57
	20 mm	14	15	17	19	20	22	23	25	26	28	29	31	33	34	36	37	39	40	42	43	45	46	48	50
	22.5 mm	12	14	15	17	18	19	21	22	23	25	26	28	29	30	32	33	34	36	37	39	40	41	43	44
	25 mm	11	12	14	15	16	17	19	20	21	22	24	25	26	27	29	30	31	32	33	35	36	37	38	40
	27.5 mm	10	11	12	14	15	16	17	18	19	20	21	23	24	25	26	27	28	29	30	32	33	34	35	36
	30 mm	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	32.5 mm	9	10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	35 mm	8	9	10	11	12	12	13	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	27	28
	37.5 mm	7	8	9	10	11	12	12	13	14	15	16	17	17	18	19	20	21	21	22	23	24	25	26	26
	40 mm	7	8	9	9	10	11	12	12	13	14	15	15	16	17	18	19	19	20	21	22	22	23	24	25



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		90 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	55	61	67	73	79	85	91	97	103	109	115													
	7.5 mm	36	40	44	48	53	57	61	65	69	73	77	81	85	89	93	97	101	105	109	113	117			
	10 mm	27	30	33	36	39	42	45	48	52	55	58	61	64	67	70	73	76	79	82	85	88	91	94	97
	12.5 mm	22	24	27	29	32	34	36	39	41	44	46	48	51	53	56	58	61	63	65	68	70	73	75	78
	15 mm	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	51	53	55	57	59	61	63	65
	17.5 mm	16	17	19	21	23	24	26	28	29	31	33	35	36	38	40	42	43	45	47	48	50	52	54	55
	20 mm	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	41	42	44	45	47	48
	22.5 mm	12	13	15	16	18	19	20	22	23	24	26	27	28	30	31	32	34	35	36	38	39	40	42	43
	25 mm	11	12	13	15	16	17	18	19	21	22	23	24	25	27	28	29	30	32	33	34	35	36	38	39
	27.5 mm	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	28	29	30	31	32	33	34	35
	30 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	32.5 mm	8	9	10	11	12	13	14	15	16	17	18	19	20	21	21	22	23	24	25	26	27	28	29	30
	35 mm	8	9	10	10	11	12	13	14	15	16	16	17	18	19	20	21	22	23	23	24	25	26	27	28
	37.5 mm	7	8	9	10	11	11	12	13	14	15	15	16	17	18	19	19	20	21	22	23	23	24	25	26
	40 mm	7	8	8	9	10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24



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Lane Spacing (Distance Between Runs)		92 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	53	59	65	71	77	83	89	95	101	107	113	119												
	7.5 mm	36	40	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119		
	10 mm	27	30	33	36	39	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95
	12.5 mm	21	24	26	28	31	33	36	38	40	43	45	47	50	52	55	57	59	62	64	66	69	71	74	76
	15 mm	18	20	22	24	26	28	30	32	34	36	38	40	41	43	45	47	49	51	53	55	57	59	61	63
	17.5 mm	15	17	19	20	22	24	25	27	29	30	32	34	36	37	39	41	42	44	46	47	49	51	53	54
	20 mm	13	15	16	18	19	21	22	24	25	27	28	30	31	33	34	36	37	39	40	41	43	44	46	47
	22.5 mm	12	13	14	16	17	18	20	21	22	24	25	26	28	29	30	32	33	34	36	37	38	40	41	42
	25 mm	11	12	13	14	15	17	18	19	20	21	23	24	25	26	27	28	30	31	32	33	34	36	37	38
	27.5 mm	10	11	12	13	14	15	16	17	18	19	20	22	23	24	25	26	27	28	29	30	31	32	33	34
	30 mm	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	32.5 mm	8	9	10	11	12	13	14	15	16	16	17	18	19	20	21	22	23	24	25	26	26	27	28	29
	35 mm	8	8	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21	22	23	24	25	25	26	27
	37.5 mm	7	8	9	9	10	11	12	13	13	14	15	16	17	17	18	19	20	21	21	22	23	24	25	25
	40 mm	7	7	8	9	10	10	11	12	13	13	14	15	16	16	17	18	19	19	20	21	21	22	23	24



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		94 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	52	58	64	70	75	81	87	93	99	104	110	116												
	7.5 mm	35	39	43	46	50	54	58	62	66	70	73	77	81	85	89	93	97	101	104	108	112	116	120	
	10 mm	26	29	32	35	38	41	44	46	49	52	55	58	61	64	67	70	73	75	78	81	84	87	90	93
	12.5 mm	21	23	26	28	30	32	35	37	39	42	44	46	49	51	53	56	58	60	63	65	67	70	72	74
	15 mm	17	19	21	23	25	27	29	31	33	35	37	39	41	43	44	46	48	50	52	54	56	58	60	62
	17.5 mm	15	17	18	20	22	23	25	27	28	30	31	33	35	36	38	40	41	43	45	46	48	50	51	53
	20 mm	13	15	16	17	19	20	22	23	25	26	28	29	30	32	33	35	36	38	39	41	42	44	45	46
	22.5 mm	12	13	14	15	17	18	19	21	22	23	24	26	27	28	30	31	32	34	35	36	37	39	40	41
	25 mm	10	12	13	14	15	16	17	19	20	21	22	23	24	26	27	28	29	30	31	32	34	35	36	37
	27.5 mm	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	30	31	32	33	34
	30 mm	9	10	11	12	13	14	15	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	32.5 mm	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21	21	22	23	24	25	26	27	28	29
	35 mm	7	8	9	10	11	12	12	13	14	15	16	17	17	18	19	20	21	22	22	23	24	25	26	27
	37.5 mm	7	8	9	9	10	11	12	12	13	14	15	15	16	17	18	19	19	20	21	22	22	23	24	25
	40 mm	7	7	8	9	9	10	11	12	12	13	14	15	15	16	17	17	18	19	20	20	21	22	22	23



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CHART SHOWING WIND IN SPEEDS FOR REQUIRED DEPTH OF WATER APPLICATION (metres per hour)

Lane Spacing (Distance Between Runs)		96 m																							
imperial gpm		90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320
m ³ /hr		25	27	30	33	36	38	41	44	47	49	52	55	57	60	63	65	68	71	74	77	80	82	85	87
A P P L I C A T I O N R A T E	5 mm	51	57	62	68	74	80	85	91	97	102	108	114	119											
	7.5 mm	34	38	42	45	49	53	57	61	64	68	72	76	80	83	87	91	95	98	102	106	110	114	117	
	10 mm	26	28	31	34	37	40	43	45	48	51	54	57	60	62	65	68	71	74	77	80	82	85	88	91
	12.5 mm	20	23	25	27	30	32	34	36	39	41	43	45	48	50	52	55	57	59	61	64	66	68	70	73
	15 mm	17	19	21	23	25	27	28	30	32	34	36	38	40	42	44	45	47	49	51	53	55	57	59	61
	17.5 mm	15	16	18	19	21	23	24	26	28	29	31	32	34	36	37	39	41	42	44	45	47	49	50	52
	20 mm	13	14	16	17	18	20	21	23	24	26	27	28	30	31	33	34	36	37	38	40	41	43	44	45
	22.5 mm	11	13	14	15	16	18	19	20	21	23	24	25	27	28	29	30	32	33	34	35	37	38	39	40
	25 mm	10	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	28	30	31	32	33	34	35	36
	27.5 mm	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	30 mm	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27	28	29	30
	32.5 mm	8	9	10	10	11	12	13	14	15	16	17	17	18	19	20	21	22	23	24	24	25	26	27	28
	35 mm	7	8	9	10	11	11	12	13	14	15	15	16	17	18	19	19	20	21	22	23	24	24	25	26
	37.5 mm	7	8	8	9	10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24
	40 mm	6	7	8	9	9	10	11	11	12	13	13	14	15	16	16	17	18	18	19	20	21	21	22	23