

SECTION FOUR



Volume Gun Stands

Gun Stands

Trailers, Travelers & Accessories

Splice Kit

Hose Pull Coupler

Sprinklers

Gear Drive Sprinklers

Sprinkler Charts

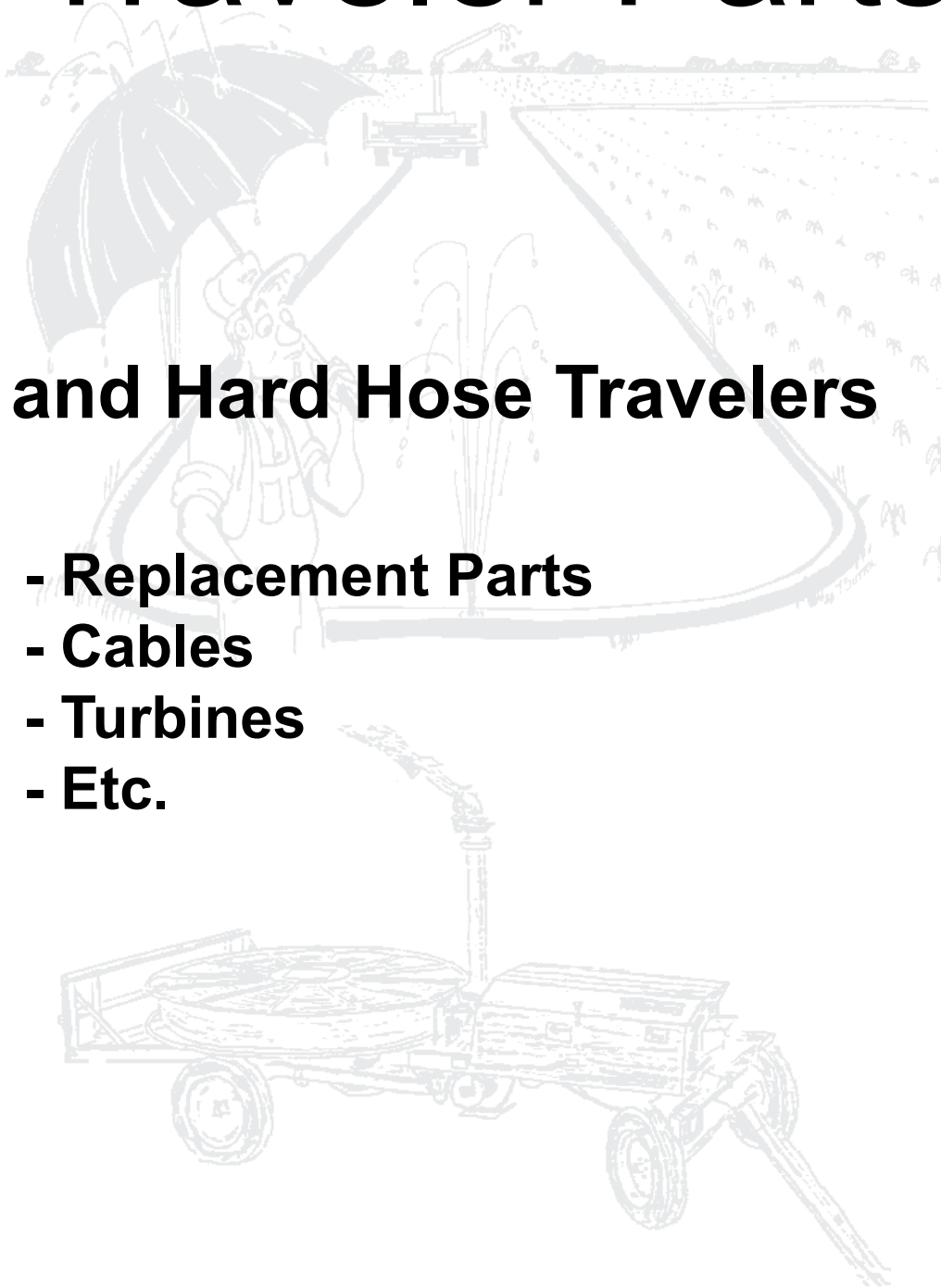
Nozzles

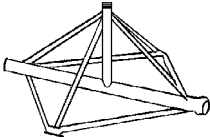
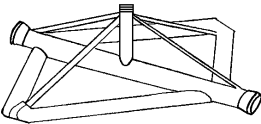
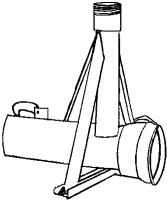
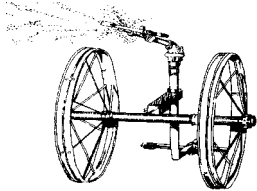
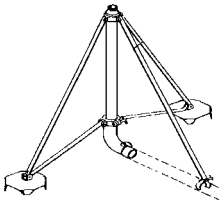
Pressure Regulator

Traveler Parts

Soft and Hard Hose Travelers

- Replacement Parts
- Cables
- Turbines
- Etc.



Product	Description	Part Number	Weight	List Price
<p>GUN STAND (FOLD DOWN - MODEL A) (ALUMINUM)</p> <p>Hook style. Aluminum. With 3" male threaded top.</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> 	4"	5-0110	40.0	389.00
<p>GUN STAND (STANDARD - MODEL B) (ALUMINUM)</p> <p>Ideal stand for: 1. Hard to reach corners areas 2. Liquid manure applications 3. Pivot corners</p> <p>Ringlock. Aluminum. With 4" male threaded top. water filled base for superior stability</p> <p><u>Recommended Guns:</u> Small Medium Large</p> 	6"	5-0120	48.0	750.00
<p>GIANT SPRINKLER STAND (GALVANIZED STEEL)</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> <p>With male or female threaded top. Specify size.</p> 	<p>3" 5-0130 23.0 270.00</p> <p>4" 5-0131 25.0 295.00</p> <p>5" 5-0132 26.0 375.00</p> <p>6" 5-0133 27.0 445.00</p>			
<p>GUN CART (GALVANIZED STEEL)</p> <p>* With 2" FPT & 2-1/2" MPT top. * Gun is not included. See pages 66-73. * Standard Profile * 57" Wheels * 4" Male B&H and B&L</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> 	4"	5-0140	116.0	755.00
<p>GUN STAND (MODEL LE) (ALUMINUM)</p> <p><u>Recommended Guns:</u> Nelson 100 Komet 101 River Skipper</p> <p>* With 2" FPT/2-1/2" MPT Top. * State mainline size when ordering. * 30" Riser Length.</p> 	<p>3" 5-0150 20.0 489.00</p> <p>4" 9-7694 489.00</p> <p>5" 9-7695 505.00</p>			

Gun Stands/Sprinklers

SPRINKLER CARTS



Product	Description	Part Number	Weight	List Price
SPRINKLER CART	1000F w/Funny Sprinkler	9-7720	25.0	189.00
	1250K w/K-1 Sprinkler	9-7721	38.0	298.00
	1250H w/Hidra Sprinkler	9-7722	46.0	398.00

* To order just the sprinkler see page 68.

Model 1000F

1" Cart Body

Flow Range: 6 to 26 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 120 Feet Diameter

25 lbs - Total Weight



Model 1250K

1 1/4" Cart Body

Flow Range: 10 to 47 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 150 Feet Diameter

38 lbs - Total Weight



Model 1250H

1 1/4" Cart Body

Flow Range: 30 to 140 GPM

Pressure: 20 to 80 PSI

Coverage: Up to 200 Feet Diameter

46 lbs - Total Weight



PSI = Pressure at Sprinkler Nozzle
GPM = Gallons Per Minute at Nozzle

1000F Sprinkler Cart Performance

Sprinkler Performance

Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
5mm (.20")	22	5.3	42	84
	29	6	46	92
	44	7	50	100
	58	9	54	108
6mm (.24")	22	7	43	86
	29	8.5	48	96
	44	10	54	108
	58	12	58	116
7mm (.28")	22	10	46	92
	29	11	50	100
	44	14	56	112
	58	16	61	122
9mm (.35")	22	16.4	50	100
	29	19	54	108
	44	23	61	122
	58	26	64	128

1250K Sprinkler Cart Performance

Sprinkler Performance


Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
7mm (.28")	22	10	46	92
	29	11	50	100
	44	14	56	112
	58	16	61	122
8mm (.315")	22	13	51	102
	29	15	56	112
	44	18	62	124
	58	21	67	134
9mm (.354")	22	16	54	108
	29	19	57	114
	44	23	64	128
	58	26	69	138
10mm (.394")	22	20	58	112
	29	23	59	116
	44	28	67	134
	58	33	72	144
12mm (.472")	22	29	56	112
	29	34	62	124
	44	41	68	136
	58	47	77	154

1250H Sprinkler Cart Performance

Sprinkler Performance

Nozzle size	PSI	GPM	Jet Length/Feet (One Direction)	Wetted Circle Diameter/Feet
12mm (.47") w/ 5mm (.19") diffusor nozzle	29	40	65	130
	44	48	78	156
	58	56	88	176
	73	62	98	196
14mm (.55") w/ 5mm (.19") diffusor nozzle	29	52	69	138
	44	63	82	164
	58	73	95	190
	73	81	101	202
16mm (.63") w/ 5mm (.19") diffusor nozzle	29	65	72	144
	44	80	85	170
	58	93	98	196
	73	103	108	216
18mm (.70") w/ 5mm (.19") diffusor nozzle	44	100	92	184
	58	115	101	202
	73	128	112	224

TRAVELING SPRINKLER & GUN ADAPTERS

Product	Description	Part Number	Weight	List Price
TRAVELING SPRINKLER (RAINCOACH™)				
<ul style="list-style-type: none"> - 1" FHT Inlet - Economical Alternative for large turf areas - Brass, aluminum, and stainless steel construction provides unmatched durability - Combines 3/4" impact brass head with rotating sweep arms for full, even coverage - Includes six nozzle set - Allows for adjustable speed of travel for varied precipitation rates - Minimizes turf scarring with front roller - Equipped with 3/32" x 450' galvanized steel cable tow line - Provides stable operation on rough terrain with wide/long wheel base - Built-in valve shuts off water automatically at the end of run - FIVE YEAR WARRANTY - Throw: 110-145' - Flow: 11.5-22.4 GPM - PSI at Sprinkler: 55-75psi 		9-6812	56.0	2,995.00

GUN OUTLET (CAST ALUMINUM)



4"	2.5" fpt	9-5243	3.5	100.00
5"	2.5" fpt	9-5244	4.5	110.00
6"	2.5" fpt	9-5245	5.5	159.00

Small "Guns" may be used on this sturdy outlet.
The base is drilled for attaching a board for support of the sprinkler gun.

ADAPTER (GIANT SPRINKLER)

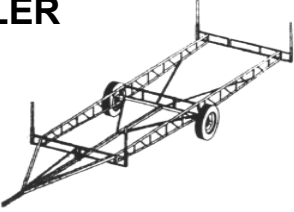


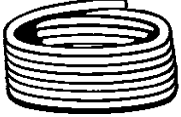
* Use std 4" RLC

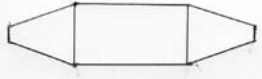
3" Weld On x 3" Male	6-9790	3.5	51.00
3" Weld On x 3" Female	6-9791	4.0	85.00
4" Weld On x 4" Male	8-1427	5.0	55.00
4" Weld On x 4" Female	8-1426	5.5	89.00
3" Ringlock Clamp	6-1047	1.4	16.00
4" Ringlock Clamp	6-1038	1.6	17.00


TRAILERS, TRAVELERS & ACCESSORIES

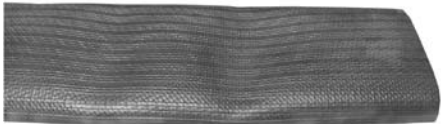


Product	Description	Part Number	Weight	List Price
PIPE TRAILER 	Single Tongue	5-0540	700.0	1,795.00
	Double Tongue	5-0550	735.0	1,995.00
Maximum capacity of 4,000 lbs. For pipe up to 40' in length Dimensions: -35' overall length -102" wide -21' from stake pocket to stake pocket -14' from tongue to front stake pocket				

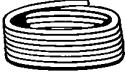
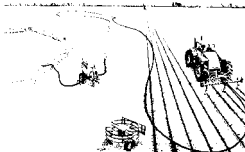
Product	Description	Part Number	Weight	List Price
TRAVELER CABLE 	5/16" x 1,350'	7x19	9-5183	- 750.00
	3/8" x 1,350'	7x19	9-5182	- 849.00
	7/16" x 2,700'	7x19	6-9585	- Call

Product	Description	Part Number	Weight	List Price
BULLET STOP 	5/16"	9-5181	-	45.00
	3/8"	9-5180	-	28.00

Product	For Hose Size		Part Number	Weight	List Price
	Hose Size	Part Number			
FOAM PIG 	6"	4-5-6"	9-5309	-	24.00
	7-1/4"	6"	9-6967	-	26.00
	8"	6-8"	9-5310	-	32.00
	10"	8-10"	9-6966	-	55.00

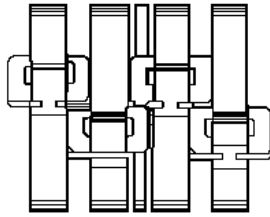
Product	Description	Part Number	Weight	List Price
SOFT HOSE (REPLACEMENT) 	2 1/2" x 660'	6-9616	330.0	Call
	3" x 660'	6-9617	396.0	Call
	3 1/2" x 660'	6-9618	528.0	Call
	4" x 660'	5-0583	660.0	Call
	4-1/2" x 660'	5-0584	792.0	Call
	5" x 660'	6-9619	924.0	Call
	6" x 660'	6-9620	-	Call

10 year limited warranty
 Cover allows maximum flexibility and good bend radius
 Ease of repair and restoration of damaged hoses to full working performance
 Long term storage stability and extended working life
 Superior resistance to ozone and ultraviolet light

Product	Description	Part Number	Weight	List Price
SLUDGE INJECTION HOSE  L.W.T. 	4" x 660' (Sludge Injection)	5-0596	627.0	Call
	4-1/2" x 660' (Sludge Injection)	5-0597	666.6	Call
	5" x 660' (Sludge Injection)	9-7343	-	Call
	5-1/2" x 660' (Sludge Injection)	9-7582	-	Call
	6" x 660' (Sludge Injection)	9-7583	-	Call

HOSE MENDERS

Product	Description	Part Number	Weight	List Price
HOSE MENDER (FOR HARD HOSE, BAND-IT)	Hose ID			
	2.1"	6-1827	--	350.00
	2.5"	6-1828	--	381.00
	3.0"	6-1829	--	475.00
	3.75"	6-1830	--	510.00
	4.1"	6-1831	--	665.00
	4.5"	6-1832	--	640.00
	5.0"	6-1833	--	690.00



Product	Description	Part Number	Weight	List Price
HOSE MENDER (FOR HARD HOSE, SCREW)	Hose ID			
	0.90"	9-7682	-	155.00
	1.10"	9-7677	-	85.00
	1.18"	9-7573	-	125.00
	1.30"	9-7678	-	98.00
	1.40"	9-7679	-	101.00
	1.43"	9-7574	-	200.00
	1.60"	9-7680	-	125.00
	1.67"	9-7575	-	235.00
	1.80"	9-7681	-	149.00
	1.90"	9-7576	-	235.00
	2.00"	9-7683	-	165.00
	2.10"	6-1820	-	165.00
	2.30"	9-7686	-	285.00
	2.50"	6-1821	-	289.00
	2.70"	9-7684	-	289.00
	3.00"	6-1822	-	290.00
	3.30"	9-7577	-	289.00
	3.70"	6-9792	-	302.00
	4.00"	9-7685	-	335.00
4.10"	6-1824	-	332.00	
4.20"	9-7579	-	420.00	
4.50"	6-1825	-	350.00	
4.60"	9-7580	-	450.00	



*Instructions Included

Product	Description	Part Number	Weight	List Price
HOSE MENDER W/CLAMPS (FOR SOFT HOSE)	Complete			
	Hose ID			
	2-1/2" w/clamps	5-0588	--	225.00
	3" w/clamps	5-0589	--	275.00
	3-1/2" w/clamps	5-0590	--	325.00
	4" w/8 Band-it Clamps	5-0585	9.5	130.00
	4-1/2" w/8 Band-it Clamps	5-0586	10.6	135.00
	5" w/8 Band-it Clamps	5-0591	--	190.00
6" w/8 Band-it Clamps	5-0592	--	200.00	




*Instructions Included

Product	Description	Part Number	Weight	List Price
Hard Mender Only (1/4" Wall x 10" Long)	2-1/2" Steel	9-7570	-	32.00
	3" Steel	9-7571	-	35.00
	3-1/2" Steel	9-7572	-	40.00
	4" Steel	9-6763	7.1	53.00
	4-1/2" Steel	9-6764	8.3	55.00
	5" Steel	9-6765		105.00
	6" Steel	9-6766		100.00
	4" Aluminum	5-0600	2.9	102.00
	4-1/2" Aluminum	5-0601	3.0	175.00
	5" Aluminum	5-0602	3.7	205.00
	6" Aluminum	5-0603	4.0	180.00



Gun Stands/Sprinklers

HOSE PULL COUPLER

Product	Description	Part Number	Weight	List Price
HOSE PULL COUPLER				
	Hose x Discharge			
	2.5" x 3" Cast Aluminum	6-1800	-	250.00
	3" x 3" Cast Aluminum	6-1801	-	640.00
	3" x 4" Cast Aluminum	6-1802	-	445.00
	4" x 4" Cast Aluminum	6-1804	11.0	395.00
	4.5" x 4" Cast Aluminum	6-1805	11.0	520.00
	4.5" x 5" Cast Aluminum	6-1806	-	460.00
	5" x 5" Cast Aluminum	6-1807	12.1	460.00
	6" x 6" Cast Aluminum	8-1446	-	470.00
	4.5" x 4" Steel	6-8041	118.0	825.00

*Instructions Included

*Clamps for 4/5"x4" HPC (1/2" Wide) #25229340

* Cast Aluminum

PLASTIC WEDGE (FOR HOSE PULL COUPLER)



4"	9-6833		56.00
4-1/2"	9-6834		61.00

BACK TO BACK COUPLER W/CHAINS



3"	9-7568	5.0	165.00
4"	9-7344	6.0	173.00
5"	9-7345	7.0	175.00
6"	9-7346	8.5	180.00

* Painted Steel

WELD-ON COUPLER W/CHAINS



3"	9-7569	2.5	59.00
4"	9-7347	3.0	62.00
5"	9-7348	3.5	63.00
6"	9-7349	4.3	65.00

* Black Steel

3 LINK CHAIN



9-7342	0.8	20.00
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* Weld to coupler for hose pull coupler connection.

* Black Steel

Product	Description	Part Number	Weight	List Price
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**1/2" BASE
(BRASS)**

20 JH w/nozzle-Rainbird full / brass 7-0109 0.5 **24.95**



20 JH

20 JH
Straight Bore Nozzle
Stream Height 6'

PSI @ Nozzle	7/64"		1/8"		9/64"		5/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
35	38	2.05	38	2.68	39	3.39	39	4.19
40	38	2.19	39	2.86	40	3.62	39	4.47
45	39	2.32	39	3.03	40	3.84	40	4.73
50	39	2.45	39	3.20	40	4.05	40	5.00
55	39	2.57	40	3.35	40	4.24	40	5.23
60	39	2.68	40	3.50	41	4.43	41	5.47

These sprinklers are widely used on all types of solid set systems, on center pivots, and in general field applications because of their construction and reliability. Excellent performance in low to medium application rates. Non-clog vane (mounted in entrance end of nozzle) in 20EJH model assures top performance under windy conditions.

- Small nozzle sizes; low flow rates
- "E" model has non-clog vane in nozzle for greater distance of throw
- Durable brass construction; excellent for many types of field applications
- Superior "H" bearing for longer life
- Standard trajectory angle for maximum distance of throw
- Low water application rate; ideal for heavy soils and slopes

Common Spacings Range:
20 x 35 ft to 40 x 50 ft
6 x 9 m to 12 x 15 m

**1/2" BASE-PART TURN
(PLASTIC)**

429 PT, w/nozzle-Naan part / plastic 7-0296 0.2 **13.00**



429 PT

429 NOZZLES

PSI @ Nozzle	Orange Nozzle 7/64"		Green Nozzle 1/8"		Blue Nozzle 9/64"		Black Nozzle 5/32"	
	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.
15			1.80	66	2.30	67	2.70	69
20	1.60	66	2.10	68	2.50	69	3.10	70
30	2.00	70	2.60	75	3.00	77	3.80	80
40	2.30	74	3.00	78	3.40	82	4.40	83
50	2.60	77	3.30	82	3.80	84	4.90	85
60	2.90	79	3.70	84	4.20	86	5.40	90

-1/2" mpt

Gun Stands/Sprinklers

SPRINKLERS



Product	Description	Part Number	Weight	List Price
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3/4" BASE (BRASS)

30 H w/nozzles-Rainbird

full / brass

7-0110

0.9

42.56



30 H

Bearing: 3/4" Male NPT. E
Trajectory Angle: 27"
Operating Range: 25-80 psi
Flow Rate: 2.9-13.1 GPM
Radius: 40-55 ft.

FEATURES

- Heavy duty brass construction
- Stainless steel springs at fulcrum pin
- Chemically resistant washers
- Dual nozzle ports
- Two-year warranty

BENEFITS

- Wide range of flow rates
- Corrosion and grit resistant
- Built to last

Straight Bore Nozzle
Stream Height 9'

PSI @ Nozzle	9/64"		5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	2.90	41	3.50	41	4.30	42	5.10
30	40	3.10	42	3.90	44	4.70	45	5.60
35	41	3.40	43	4.20	45	5.10	47	6.00
40	41	3.60	44	4.50	46	5.40	48	6.40
45	42	3.80	44	4.70	46	5.70	49	6.80
50	42	4.10	45	5.00	47	6.10	50	7.20
55	43	4.20	45	5.20	48	6.30	50	7.60
60	43	4.40	46	5.50	48	6.60	51	7.90
65	44	4.60	46	5.80	49	6.90	51	8.20
70	44	4.80	47	5.90	49	7.20	52	8.50
75	45	5.00	47	6.10	50	7.40	52	8.80
80	45	5.10	48	6.30	50	7.70	53	9.10

Straight Bore Nozzle w/Spreaders
Stream Height 9'

PSI @ Nozzle	9/64" x 3/32"		5/32" x 3/32"		11/64" x 3/32"		3/16" x 3/32"		3/16" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	4.20	41	4.80	41	5.60	42	6.40	42	7.40
30	40	4.60	42	5.30	44	6.10	45	7.10	45	8.10
35	41	4.90	43	5.70	45	6.60	47	7.50	47	8.70
40	41	5.20	44	6.10	46	7.00	48	8.10	48	9.30
45	42	5.60	44	6.50	46	7.40	49	8.50	49	9.90
50	42	5.90	45	6.80	47	7.90	50	9.00	50	10.40
55	43	6.10	45	7.10	48	8.20	50	9.40	50	10.90
60	43	6.40	46	7.40	48	8.60	51	9.90	51	11.40
65	44	6.70	46	7.80	49	8.90	51	10.20	51	11.80
70	44	6.90	47	8.10	49	9.30	52	10.70	52	12.30
75	45	7.20	47	8.30	50	9.60	52	11.00	52	12.70
80	45	7.50	48	8.70	50	10.00	53	11.50	53	13.10

3/4" BASE (BRASS)

WR-33 w/nozzles-Wade Rain

full / brass

9-7526

1.0

21.00



WR-33

Single Nozzle w/Plug
27 Deg. Trajectory (No Vane)

PSI @ Nozzle	1/8"		9/64"		5/32"		11/64"		3/16"		13/64"		7/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	-	-	40	2.88	41	3.52	42	4.24	43	5.00	43	5.90	44	6.85
30	-	-	41	3.15	43	3.85	44	4.64	46	5.50	47	6.50	48	7.55
35	-	-	41	3.40	44	4.16	45	5.02	47	6.00	49	7.05	50	8.20
40	-	-	42	3.64	44	4.45	46	5.37	48	6.40	50	7.55	51	8.80
45	41	3.05	42	3.86	45	4.72	47	5.70	49	6.80	51	8.00	52	9.35
50	42	3.22	43	4.07	45	4.98	48	6.01	50	7.20	52	8.45	53	9.90
55	42	3.38	43	4.27	46	5.22	48	6.30	51	7.50	52	8.85	54	10.40
60	43	3.53	44	4.46	46	5.45	49	6.57	51	7.90	53	9.25	54	10.75
65	43	3.68	44	4.65	47	5.68	49	6.83	52	8.20	53	9.60	55	11.10
70	43	3.82	45	4.83	47	5.90	50	7.09	52	8.50	54	9.95	55	11.40
75	44	3.96	45	5.00	48	6.11	50	7.34	53	8.80	54	10.25	56	11.70
80	44	4.09	46	5.17	48	6.30	51	7.58	53	9.10	55	10.50	56	12.00

Double Nozzle
27 Deg. Trajectory (No Vane)

PSI @ Nozzle	9/64" x 3/32"		5/32" x 3/32"		11/64" x 3/32"		3/16" x 3/32"		3/16" x 1/8"		13/64" x 1/8"		7/32" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	40	4.18	41	4.83	42	5.55	43	6.31	43	7.40	43	8.30	44	9.25
30	41	4.58	43	5.28	44	6.07	46	6.93	46	8.15	47	9.15	48	10.20
35	41	4.95	44	5.71	45	6.57	47	7.51	47	8.83	49	9.93	50	11.10
40	42	5.29	44	6.11	46	7.03	48	8.03	48	9.46	50	10.65	51	11.90
45	42	5.61	45	6.48	47	7.46	49	8.53	49	10.05	51	11.30	52	12.65
50	43	5.91	45	6.82	48	7.87	50	9.00	50	10.60	52	11.90	53	13.35
55	43	6.20	46	7.15	48	8.25	51	9.45	51	11.10	52	12.50	54	14.00
60	44	6.48	46	7.47	49	8.60	51	9.86	51	11.60	53	13.00	54	14.50
65	44	6.75	47	7.78	49	8.93	52	10.27	52	12.10	53	13.50	55	15.00
70	45	7.00	47	8.08	50	9.25	52	10.66	52	12.50	54	14.00	55	15.45
75	45	7.25	48	8.37	50	9.56	53	11.02	53	12.90	54	14.40	56	15.90
80	46	7.49	48	8.65	51	9.87	53	11.36	53	13.25	55	14.80	56	16.30

3/4" BASE-PART TURN (BRASS)

35 TNT w/nozzle-Rainbird

part / brass

7-0150

1.5

77.08



35A TNT

Straight Bore Nozzle
Stream Height 9'

PSI @ Nozzle	5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM
30	42	3.90	43	4.60	44	5.50
35	43	4.20	44	5.00	46	6.00
40	44	4.50	45	5.40	47	6.40
45	44	4.70	46	5.70	48	6.90
50	45	5.00	47	6.00	49	7.20
55	45	5.20	48	6.30	50	7.50
60	46	5.40	48	6.60	51	7.90

- Part / full circle brass impact sprinklers
- Standard trajectory angle for maximum distance of throw
- Medium nozzle sizes and flow rates
- "PJ" model has PJ™; eliminates side splash
- "DA" model has adjustable deflector for reducing distance of throw
- "ADJ" model has adjustable diffuser pin for stream break-up

Product	Description	Part Number	Weight	List Price
3/4" BASE (PLASTIC)	46 H w/nozzles-Rainbird	full / plastic 7-0120	0.3	23.32



46 H

Straight Bore Nozzle
Stream Height 9'

PSI @ Nozzle	5/32"		11/64"		3/16"		13/64"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
45	47	5.00	48	6.10	52	6.90	54	8.10
50	48	5.20	49	6.40	52	7.30	56	8.40
55	49	5.40	50	6.50	53	7.70	57	8.80
60	49	5.60	51	6.80	54	8.00	58	9.20
65	50	5.80	51	7.20	55	8.30	59	9.60
70	50	6.10	52	7.50	56	8.70	60	10.10
75	51	6.30	53	7.80	57	9.00	61	10.50
80	51	6.50	53	8.10	57	9.20	62	10.60

Straight Bore Nozzle w/Spreader
Stream Height 9'

PSI @ Nozzle	5/32" x 3/32"		11/64" x 3/32"		3/16" x 1/8"		13/64" x 1/8"		7/32" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
45	47	6.60	48	7.60	52	10.20	54	11.30	53	12.70
50	48	6.90	49	8.00	52	10.70	56	12.00	54	13.00
55	49	7.20	50	8.30	53	11.20	57	12.50	55	13.90
60	49	7.50	51	8.60	54	11.60	58	13.00	56	14.50
65	50	7.80	51	8.90	55	12.00	59	13.50	57	14.90
70	50	8.10	52	9.20	56	12.40	60	13.90	58	15.40
75	51	8.40	53	9.50	57	12.70	61	14.30	59	15.80
80	51	8.60	53	9.70	57	13.00	62	14.70	59	16.20

Durable engineering-grade plastic construction; excellent for many types of field applications
Standard trajectory angle for maximum distance of throw
Sprinkler has built in vane in plastic "Plus" nozzle for greater distance of throw
Superior "H" bearing for longer life
Brass 7 degree or 20 degree spreader nozzle

This sprinkler series is used in general irrigation applications, and on permanent and solid set systems, including center pivots. Wearing quality is excellent. The body, arm, bearing nipple and bearing sleeve are molded from Delrin. Plastic non-clog vane in nozzle ensures excellent performance in wind. Plastic plug on "W" models.

Common Spacings Range:
50 x 50 ft to 60 x 60 ft
15 x 15 m to 18 x 18 m

3/4" BASE (BRASS)

14070H w/nozzles-Rainbird	full / brass	7-0155	1.3	66.00
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14070H

Straight Bore Nozzle
Stream Height 10'

PSI @ Nozzle	5/32"		11/64"		3/16"		13/64"		7/32"		15/64"		1/4"		17/64"		9/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	-	-	-	-	44	5.10	45	6.00	46	7.00	46	8.00	47	9.10	48	10.30	48	11.50
30	-	-	-	-	47	5.60	48	6.60	49	7.60	50	8.80	51	10.00	51	11.20	52	12.60
35	46	4.20	47	5.10	49	6.10	50	7.10	51	8.20	52	9.50	52	10.80	53	12.00	54	13.60
40	46	4.50	48	5.40	50	6.50	51	7.60	52	8.80	53	10.10	54	11.50	55	13.00	56	14.60
45	47	4.80	49	5.80	51	6.90	52	8.10	54	9.30	55	10.70	56	12.20	57	13.80	58	15.40
50	48	5.00	50	6.10	52	7.20	53	8.50	55	9.80	56	11.30	57	12.90	58	14.50	59	16.30
55	48	5.30	50	6.40	53	7.60	54	8.90	56	10.30	54	11.80	59	13.50	59	15.20	61	17.10
60	49	5.50	51	6.70	53	7.90	55	9.30	57	10.80	58	12.40	60	14.10	61	15.90	62	17.80
65	49	5.70	52	6.90	54	8.30	56	9.70	58	11.20	59	12.90	61	14.70	62	16.50	63	18.50
70	50	5.90	52	7.20	55	8.60	57	10.00	59	11.60	60	13.40	62	15.20	63	17.20	65	19.20
75	50	6.20	53	7.40	55	8.90	58	10.40	60	12.10	61	13.80	63	15.70	-	-	-	-
80	50	6.40	53	7.70	56	9.10	58	10.70	61	12.40	62	14.30	64	16.30	-	-	-	-

Straight Bore Nozzle w/Spreader
Stream Height 10'

PSI @ Nozzle	3/16" x 1/8"		13/64" x 1/8"		7/32" x 1/8"		15/64" x 1/8"		1/4" x 1/8"		17/64" x 1/8"		9/32" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	44	7.40	45	8.30	46	9.20	46	10.30	47	11.40	47	12.50	48	13.80
30	47	8.10	48	9.10	49	10.10	50	11.20	54	12.40	51	13.70	52	15.10
35	49	8.70	50	9.80	51	10.90	52	12.10	52	13.40	53	14.80	54	16.30
40	50	9.30	51	10.50	52	11.70	53	13.00	54	14.40	55	15.80	56	17.40
45	51	9.90	52	11.10	54	12.40	55	13.80	56	15.20	57	16.80	58	18.50
50	52	10.40	53	11.70	55	13.10	56	14.50	57	13.10	58	17.70	59	19.50
55	53	10.90	54	12.30	56	13.70	57	15.20	59	16.90	59	18.60	61	20.40
60	53	11.40	55	12.80	57	14.30	58	15.90	60	17.60	61	19.40	62	21.30
65	54	11.90	56	13.30	58	14.90	59	16.50	61	18.30	62	20.20	63	22.20
70	55	12.40	57	13.80	59	15.40	60	17.20	62	19.00	63	21.00	65	23.00
75	55	12.80	58	14.30	60	16.00	61	17.80	63	19.70	-	-	-	-
80	56	13.20	58	14.80	61	16.50	62	18.40	64	20.30	-	-	-	-

SPRINKLERS

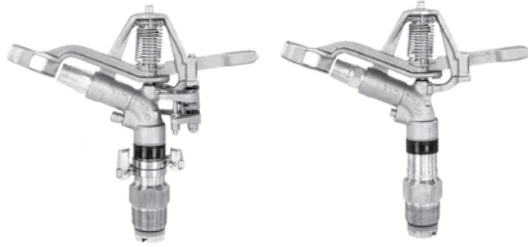


Product	Description	Part Number	Weight	List Price
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1-1/4" BASE (BRASS)

85 EHD-LA (PART TURN)
80EHD

Call
Call



85 EHD-LA

80 E

These sprinklers are widely used as end guns on center pivot machines. Non-clog straightening vanes assure good coverage in the wind.

The 85EHD-LA was specifically developed for use in the highly abrasive water conditions normally experienced on center pivot machines. It gives excellent performance even in extreme winds due to a specially-drilled low angle (17 degree) body. In addition, these models are suitable for a wide variety of applications such as horse pastures, paddocks, arenas, feedlots, dust control, sod farms, or any other applications requiring the performance of a 1 1/4" / 32mm Sprinkler.

Straight Bore Nozzle w/Spreader
Stream Height 14'

PSI @ Nozzle	11/32"x 7/32"		3/8" x 7/32"		13/32" x 7/32"		7/16" x 7/32"		15/32" x 7/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	61	23.30	62	26.50	64	29.60	66	32.90	66	36.40
30	64	25.60	65	29.10	68	32.40	69	36.10	72	40.00
35	67	27.70	68	31.40	72	35.10	74	39.00	77	43.30
40	69	29.60	71	33.60	75	37.60	77	41.80	80	46.30
45	71	31.50	73	35.70	77	39.90	79	44.40	82	49.20
50	73	33.20	75	37.70	79	42.10	81	46.80	84	51.90
55	75	34.90	77	39.70	81	44.30	83	49.10	86	54.70
60	77	36.50	79	41.40	83	46.60	86	51.50	88	57.20
65	79	38.00	81	43.20	84	48.60	87	53.80	90	59.80
70	81	40.10	83	44.90	86	50.40	89	55.90	91	62.10
75	82	41.00	84	46.70	87	52.40	90	57.90	93	64.30
80	83	42.60	86	48.30	89	54.30	92	60.00	94	66.70
85	85	43.80	87	49.80	90	56.00	93	62.00	96	68.80
90	86	45.70	89	51.40	92	57.90	95	63.90	97	70.70
95	87	46.60	90	53.00	93	59.60	96	65.80	98	72.80
100	88	47.90	91	54.50	94	61.20	97	67.50	99	74.80

Common Spacings Ratings
80 x80 ft to 140 x 140 ft
24 x 24 m to 42 x 42 m

- Standard trajectory angle for maximum distance of throw
- Largest nozzle sizes and highest flow rates in brass part circle sprinklers
- "LA" model recommended for pivots and linears
- "ESHD" model has spreader nozzle; "EWSHD" model has plugged spreader outlet; "EHD-LA" has single nozzle body
- Durable heavy brass construction; excellent for many types of field applications
- "HD-LA" model has heavy duty features for longer life in dirty water
 - Heavier trip components
 - Locking friction collars
 - Stainless steel trip lever pads and trip stops
 - Stainless steel replaceable spoon
 - Superior "H" bearing

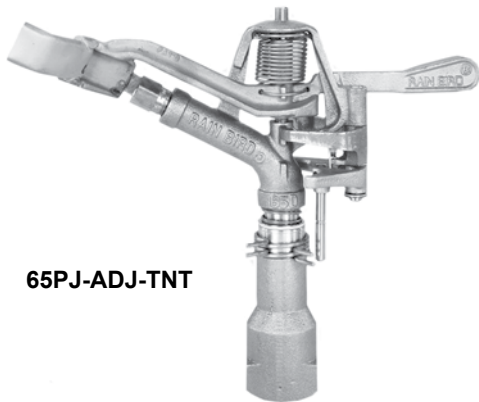
1" BASE-PART TURN (BRASS)

65JADJ-TNT

7-0160

3.6

249.41



65PJ-ADJ-TNT

Part / full circle brass impact sprinklers
Standard trajectory angle for maximum distance of throw
Larger nozzle sizes and higher flow rates
"P.J" arm eliminates side splash
Adjustable diffuser pin for stream break-up

This sprinkler has a wide range of applications. Added versatility comes from an adjustable trip slip-pin that converts the sprinkler to full circle applications. The PJ precision jet arm eliminates side splash.

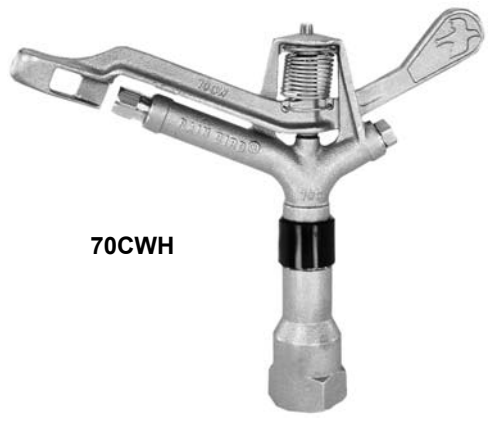
Straight Bore Nozzle
Stream Height 10'

PSI @ Nozzle	1/4"	
	Rad.	GPM
50	57	12.90
55	57	13.60
60	58	14.20
65	62	14.90
70	63	15.40
75	64	16.00
80	65	16.50

Specifications:
Bearing Size / Type - 1 in / 25 mm female NPT/BSP
Body trajectory - 27 degrees

Materials:
Body: Cast Bronze
Arm: Cast Bronze
Bearing Sleeve: Brass
Bearing Nipple: Brass
All Springs: Stainless Steel
All Washers: Chemically Resistant

Product	Description	Part Number	Weight	List Price
1" BASE (BRASS)	70CWH w/nozzles-Rainbird full / brass	7-0130	3.0	177.81



Straight Bore Nozzle w/Plug
Stream Height 8'

PSI @ Nozzle	7/32"		1/4"		9/32"		5/16"		11/32"		3/8"		13/32"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
40	57	8.80	60	11.50	62	14.60	65	17.70	66	21.10	68	24.40	70	28.50
45	58	9.40	61	12.20	64	15.50	66	18.90	68	22.50	70	26.00	72	30.40
50	59	9.90	62	12.90	65	16.30	68	20.00	70	23.80	71	27.50	73	32.30
55	60	10.40	63	13.60	66	17.20	71	21.00	71	25.00	73	29.10	75	34.00
60	61	10.90	64	14.20	67	18.00	71	22.00	73	26.20	74	30.60	77	35.70
65	62	11.40	65	14.80	68	18.80	72	23.00	74	27.40	76	32.00	78	37.30
70	63	11.80	66	15.40	70	19.50	73	23.90	76	28.50	77	33.20	79	38.90
75	64	12.20	67	16.00	71	20.30	74	24.80	77	29.60	78	34.50	81	40.40
80	65	12.60	68	16.50	72	20.90	75	25.70	78	30.60	80	35.70	82	41.80

Straight Bore Nozzle w/Spreader
Stream Height 8'

PSI @ Nozzle	7/32" x 1/8"		1/4" x 1/8"		9/32" x 1/8"		5/16" x 1/8"		11/32" x 1/8"		3/8" x 1/8"		13/32" x 1/8"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
40	57	11.60	60	14.30	62	17.40	65	20.50	61	23.90	68	27.20	70	31.40
45	58	12.40	61	15.20	64	18.50	66	21.90	68	25.50	70	29.00	72	33.40
50	59	13.00	62	16.00	65	19.40	68	23.10	70	26.90	71	30.60	73	35.50
55	60	13.70	63	16.90	66	20.40	70	24.30	71	28.30	73	32.40	75	37.40
60	61	14.30	64	17.60	67	21.40	71	25.40	73	29.60	74	34.00	77	39.20
65	62	15.00	65	18.40	69	22.40	72	26.60	74	31.00	76	35.60	78	40.90
70	63	15.50	66	19.10	70	23.20	73	27.60	75	32.20	77	36.90	79	42.70
75	64	16.00	67	19.80	71	24.10	74	28.60	77	33.40	78	38.30	81	44.30
80	65	16.50	68	20.40	72	24.80	75	29.60	78	34.50	80	39.60	82	45.80

Medium trajectory angle for maximum distance of throw
Larger nozzle sizes and higher flow rates
"SPH" has rear spreader nozzle; "WH" has plugged spreader nozzle
Both models have non-clog vane in body range tube for greater distance of throw
Durable heavy brass construction; excellent for many types of field applications
Superior female "H" bearing for longer life

These sprinklers are designed for general field use and for use on mechanically moved systems - especially center pivot machines. This series has a modified 3-washer bearing with features that are similar to the 3/4 in / 20 mm "H" bearing. Although not designated, the 70CWH and 70CSPH have a plastic non-clog straightening vane to ensure excellent performance even in extreme winds. Low precipitation rates can be obtained from the single nozzle "W" model. It has a spreader option designated "SP" for applications where additional close-in water is needed

Common Spacings Range
60 x 80 ft to 90 x 120 ft
18 x 24 m to 24 x 30 m

Product	Description	Part Number	Weight	List Price
1" BASE (PLASTIC)	7025 w/nozzles-Senninger full / plastic	7-0140	1.1	59.00
	#7025 Arm Only-Senninger	7-0141	0.3	18.10



Sprinkler Base Pressure (psi)	35	40	45	50	55	60	65	70
#14 Nozzle (7/32")								
Flow (gpm)	8.11	8.66	9.2	9.69	10.2	10.6	11	11.5
Diam. At 1.5' ht. (ft.)	106	111	113	115	117	119	121	123
Diam. At 6.0' ht. (ft.)	114	118	121	124	126	128	129	130
#16 Nozzle (1/4")								
Flow (gpm)	10.7	11.4	12.1	12.8	13.4	14	14.6	15.1
Diam. At 1.5' ht. (ft.)	111	117	120	123	126	129	131	133
Diam. At 6.0' ht. (ft.)	122	126	129	131	134	136	137	138
#18 Nozzle (9/32")								
Flow (gpm)	13.3	14.2	15	15.9	16.6	17.4	18.1	18.8
Diam. At 1.5' ht. (ft.)	118	124	127	129	134	139	142	144
Diam. At 6.0' ht. (ft.)	128	132	135	137	141	144	146	147
#20 Nozzle (5/16")								
Flow (gpm)	16	17.1	18.2	19.2	20.1	21	21.8	22.7
Diam. At 1.5' ht. (ft.)	124	130	134	137	142	146	150	153
Diam. At 6.0' ht. (ft.)	133	137	140	143	147	151	154	155
#22 Nozzle (11/32")								
Flow (gpm)	19.3	20.5	21.8	22.9	24.1	25.1	26.1	27.1
Diam. At 1.5' ht. (ft.)	126	133	141	148	153	157	160	162
Diam. At 6.0' ht. (ft.)	136	141	146	150	155	159	162	164
#24 Nozzle (3/8")								
Flow (gpm)	22.4	23.9	25.3	26.7	28	29.3	30.4	31.6
Diam. At 1.5' ht. (ft.)	130	138	145	151	156	160	166	169
Diam. At 6.0' ht. (ft.)	138	145	150	155	160	164	167	170

NELSON VOLUME GUNS



Product	Description	Part Number	Weight	List Price
	F100 w/nozzle-Nelson	full	7-0230	20.5 856.78
	F150R w/nozzle-Nelson	full	7-0240	43.0 1,766.25
	F200 w/nozzle-Nelson	full	7-0280	56.0 2,870.00
	SR100 w/nozzle-Nelson	part	7-0295	26.5 1,309.78
	SR150 w/nozzle-Nelson	part	7-0250	49.0 2,184.25
	SR200 w/nozzle-Nelson	part	7-0290	78.0 4,039.00



Nelson SR100



Nelson SR150



Nelson SR200

* Includes one nozzle on all guns.
 * Includes flg x fpt adapter on 150 & 200 guns.

100 TAPER BORE NOZZLE — 24° TRAJECTORY

PSI	0.5"		0.55"		0.6"		0.65"		0.7"		0.75"		0.8"		0.85"		0.9"		1.0"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
40	47	191	57	202	66	213	78	222	91	230	103	240	118	250	134	256	152	262	—	—
50	50	205	64	215	74	225	87	235	100	245	115	256	130	265	150	273	165	280	204	300
60	55	215	69	227	81	240	96	250	110	260	126	270	143	280	164	288	182	295	224	316
70	60	225	75	238	88	250	103	263	120	275	136	283	155	295	177	302	197	310	243	338
80	64	235	79	248	94	260	110	273	128	285	146	295	165	305	189	314	210	325	258	354
90	68	245	83	258	100	270	117	283	135	295	155	306	175	315	201	326	223	335	274	362
100	72	255	87	268	106	280	123	293	143	305	163	316	185	325	212	336	235	345	289	372
110	76	265	92	278	111	290	129	303	150	315	171	324	195	335	222	344	247	355	304	380

150 TAPER BORE NOZZLE — 24° TRAJECTORY

PSI	0.7"		0.8"		0.9"		1.0"		1.1"		1.2"		1.3"		1.4"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
50	100	250	130	270	165	290	205	310	255	330	300	345	350	360	408	373
60	110	265	143	285	182	305	225	325	275	345	330	365	385	380	446	396
70	120	280	155	300	197	320	245	340	295	360	355	380	415	395	483	412
80	128	290	165	310	210	335	260	355	315	375	380	395	445	410	516	427
90	135	300	175	320	223	345	275	365	335	390	405	410	475	425	547	442
100	143	310	185	330	235	355	290	375	355	400	425	420	500	440	577	458
110	150	320	195	340	247	365	305	385	370	410	445	430	525	450	605	471
120	157	330	204	350	258	375	320	395	385	420	465	440	545	460	632	481

200 TAPER BORE NOZZLE — 27° TRAJECTORY

PSI	1.05"		1.1"		1.2"		1.3"		1.4"		1.5"		1.6"		1.75"		1.9"	
	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT	GPM	DIAM. FT
60	250	345	285	355	330	375	385	390	445	410	515	430	585	445	695	470	825	495
70	270	360	310	380	355	395	415	410	480	430	555	450	630	465	755	495	890	515
80	290	375	330	395	380	410	445	430	515	450	590	470	675	485	805	515	950	535
90	310	390	350	410	405	425	475	445	545	465	625	485	715	505	855	535	1005	555
100	325	400	370	420	425	440	500	460	575	480	660	500	755	520	900	550	1060	575
110	340	410	390	430	445	450	525	470	605	495	695	515	790	535	945	565	1110	590
120	355	420	405	440	465	460	545	480	630	505	725	530	825	550	985	580	1160	605
130	370	425	425	445	485	465	565	485	655	515	755	540	860	560	1025	590	1210	620