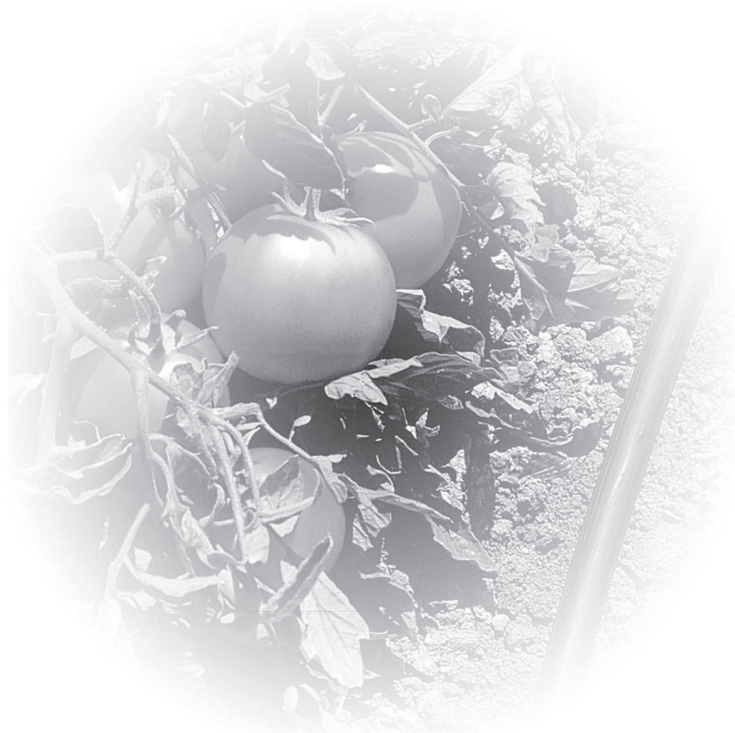


SECTION FOUR



Volume Gun Stands

Gun Stands

Trailers, Travelers & Accessories

Splice Kit

Hose Pull Coupler

Sprinklers

Gear Drive Sprinklers

Sprinkler Charts

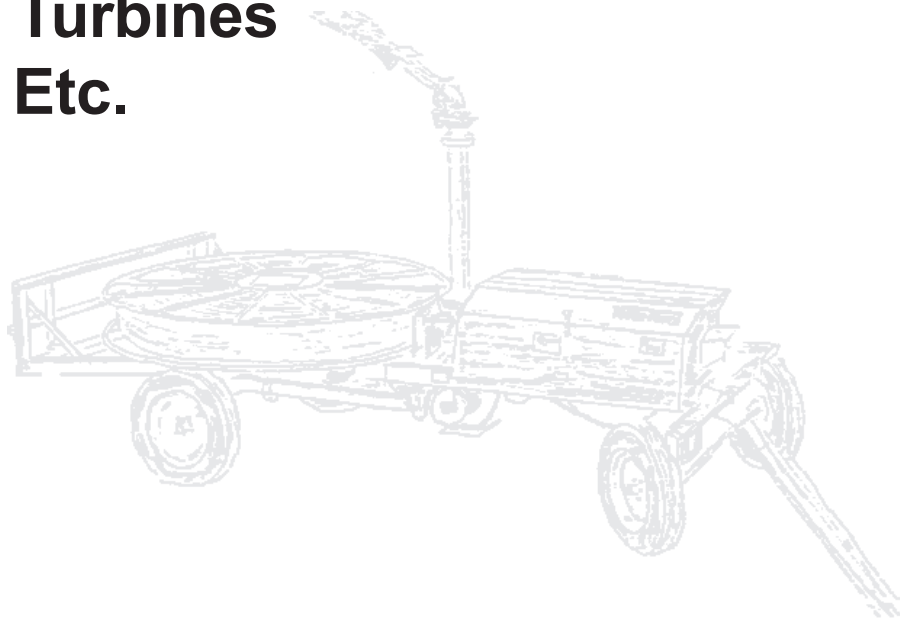
Nozzles

Pressure Regulator

Traveler Parts

Soft and Hard Hose Travelers

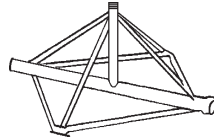
- Replacement Parts
- Cables
- Turbines
- Etc.



**GUN STAND,
FOLD DOWN - MODEL A**

4" 5-0110 40.0 280.00

Hook style. Aluminum.
With 3" male threaded top.

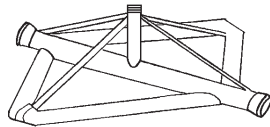


Recommended Guns:
Nelson 100
Komet 101
River
Skipper

**GUN STAND,
STANDARD - MODEL B**

6" 5-0120 48.0 559.00

Ideal stand for:
1. hard to reach corners areas
2. liquid manure applications
3. Pivot corners



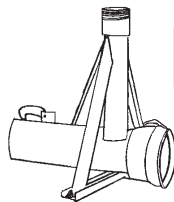
Ringlock. Aluminum.
With 4" male threaded top.
water filled base for superior stability

Recommended Guns:
Small
Medium
Large

**GIANT SPRINKLER
STAND**

3"	5-0130	23.0	225.00
4"	5-0131	23.0	245.00
5"	5-0132	23.0	312.00
6"	5-0133	27.0	366.00

Recommended Guns:
Nelson 100
Komet 101
River
Skipper



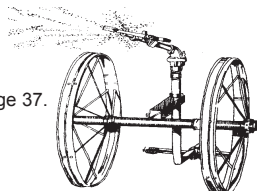
With male or female threaded top. Specify size.

GUN CART

4" 5-0140 190.0 610.00

With 3" female threaded top.
Gun is not included. See page 37.

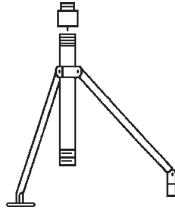
Recommended Guns:
Nelson 100
Komet 101
River
Skipper



Gun Stands/Sprinklers

Product	Description	Part Number	Weight	List Price
GUN STAND, MODEL LOT	4"	5-0152	14.0	350.00

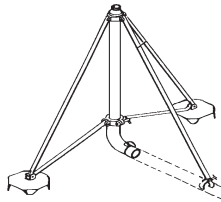
Recommended Guns:
 Nelson 100
 Komet 101
 River
 Skipper



With 3" female threaded top.

GUN STAND, MODEL LE	4"	5-0150	20.0	425.00
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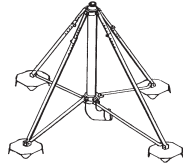
Recommended Guns:
 Nelson 100
 Komet 101
 River
 Skipper



With 3" female threaded top.

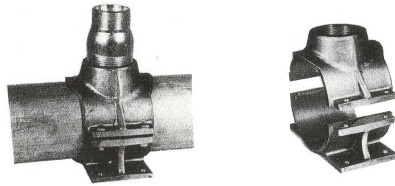
GUN STAND, MODEL Q	4"	5-0151	28.0	910.00
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Recommended Guns:
 Nelson 100
 Komet 101
 River
 Skipper



With 3" female threaded top.

GUN OUTLET, CAST ALUMINUM



4"	2.5" fpt	9-5243	92.00
5"	2.5" fpt	9-5244	100.00
6"	2.5" fpt	9-5245	145.00

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

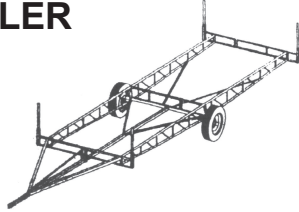
GIANT SPRINKLER ADAPTER



3" Weld On x 3" Male	6-9790	39.00
3" Weld On x 3" Female	6-9791	63.00
4" Weld On x 4" Male	8-1427	40.00
4" Weld On x 4" Female	8-1426	67.00
3" Ringlock Clamp	6-1047	See page 127
4" Ringlock Clamp	6-1038	See page 127

* Use std 4" RLC

PIPE TRAILER



Single Tongue	5-0540	700.0	1270.00
Double Tongue	5-0550	735.0	1480.00

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

SOFT HOSE, REPLACEMENT



2 1/2" x 660'	6-9616	750.0	Call
3" x 660'	6-9617		Call
3 1/2" x 660'	6-9618		Call
4" x 660'	5-0583	850.0	Call
4-1/2" x 660'	5-0584	891.0	Call
4-1/2" x 660' (Double Pull)	5-0587		Call
5" x 660'	6-9619		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

HOSE PATCH

-Stainless Steel construction
-Limits further damage on the hose.
-A quick simple fix to repair a hole



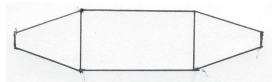
1-1/2" wide x 3" long	9-5312	116.00
2" wide x 5" long	9-5313	115.00

TRAVELER CABLE



5/16" x 1,350'	7x19	9-5183	765.00
3/8" x 1,350'	7x19	9-5182	965.00
7/16" x 2,700'	7x19	6-9585	2,892.00

BULLET STOP



5/16"	9-5181	45.00
3/8"	9-5180	30.00

FOAM PIG



5"	9-5308	18.00
6"	9-5309	22.00
8"	9-5310	25.00

Gun Stands/Sprinklers

Product	Description	Part Number	Weight	List Price
SLUDGE INJECTION HOSE				
	4" x 660' (Sludge Injection)	5-0596	627.0	Call
	4-1/2" x 660' (Sludge Injection)	5-0597	726.0	Call
SOFT HOSE TRAVELER				
	4" x 660'	5-0580	3630.0	Call
	4.5" x 660'	5-0581	3785.0	Call
	4.5" x 1320'	5-0582	6500.0	Call

Brands Included:
 Water Winch
 Boss
 Heinzman

RAINTRAIN® 2 TRAVELING SPRINKLER

9-6811

1479.00

- Part and full-circle sprinkler
- Automatic shut-off once sprinkler reaches spike
- Robust turbine drive
- Speed control allows you to easily adjust application rates
- On/Off valve allows you to shut the unit off while keeping hose pressurized
- Economical irrigation solution for athletic fields, parks, cemeteries and other large areas
- Cable Length: 360ft
- Flow GPM: 8-15
- Inlet PSI: 44-70
- Irrigated Width: 70-85Ft
- Irrigated Length: 400Ft



RAINCOACH™ TRAVELING SPRINKLER

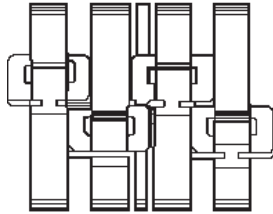
9-6812

1695.00

- 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



SPLICE KIT FOR HARD HOSE, BAND-IT



Hose ID			
2.1"	6-1827	--	381.00
2.5"	6-1828	--	381.00
3.0"	6-1829	--	386.00
3.75"	6-1830	--	386.00
4.1"	6-1831	--	393.00
4.5"	6-1832	--	395.00
5.0"	6-1833	--	411.00

SPLICE KIT FOR HARD HOSE, SCREW

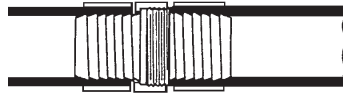


Hose ID			
2.1"	6-1820	--	162.00
2.5"	6-1821	--	209.00
3.0"	6-1822	--	239.00
3.75"	6-9792	--	275.00
4.1"	6-1824	--	290.00
4.5"	6-1825	--	295.00
5.0"	6-1826	--	271.00

*Instructions Included

Gun Stands/Sprinklers

HARD SPLICE KIT FOR SOFT HOSE, BARB X BARB



*Instructions Included

Hose ID			
2-1/2"	w/clips	5-0588	-- 165.00
3"	w/clips	5-0589	-- 100.00
3-1/2"	w/clips	5-0590	-- 100.00
4"	w/8 Band-it Clamps	5-0585	-- 115.00
4-1/2"	w/8 Band-it Clamps	5-0586	-- 125.00
5"	w/8 Band-it Clamps	5-0591	-- 145.00
6"	w/8 Band-it Clamps	5-0592	-- 150.00



Hard Mender Only (1/4" Wall x 9" Long)

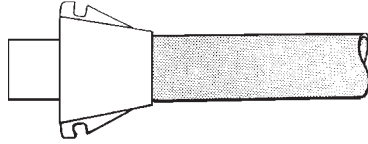
4"	Steel	9-6763	-- 75.00
4-1/2"	Steel	9-6764	-- 85.00
5"	Steel	9-6765	-- 95.00
6"	Steel	9-6766	-- 100.00
4"	Aluminum	5-0600	-- 88.66
4-1/2"	Aluminum	5-0601	-- 98.60
5"	Aluminum	5-0602	-- 81.00
6"	Aluminum	5-0603	-- 86.00

HOSE PULL COUPLER



Product	Description	Part Number	Weight	List Price
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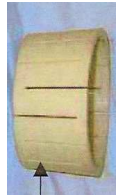
HOSE PULL COUPLER



Hose	x	Discharge					
2.5"	x	3"	Cast Aluminum	6-1800	--		250.00
3"	x	3"	Cast Aluminum	6-1801	--		300.00
3"	x	4"	Cast Aluminum	6-1802	--		259.00
3.5"	x	4"	Cast Aluminum	6-1803	--		216.00
4"	x	4"	Cast Aluminum	6-1804	--		350.00
4.5"	x	4"	Cast Aluminum	6-1805	--		379.00
4.5"	x	5"	Cast Aluminum	6-1806	--		379.00
5"	x	5"	Cast Aluminum	6-1807	--		379.00
6"	x	6"	Cast Aluminum	8-1446	--		470.00
4.5"	x	4"	Steel	6-8041	--		798.00

*Instructions Included

PLASTIC WEDGE, FOR HOSE PULL COUPLER



4"	9-6833	55.00
4-1/2"	9-6834	59.00

HARD HOSE TRAVELER (PARTS)

Call

Brands Included:
 Kifco
 Ladman
 Bauer
 Iretec

Call on parts for Hard Hose Travelers

**1/2" BASE
RAINBIRD 20 JH**

20 JH w/nozzle-Rainbird full / brass 7-0109 0.5 16.26



20 JH

20 JH

U.S. UNITS

PSI @ Nozzle	Nozzle 7/64" **		Nozzle 1/8"		Nozzle 9/64"		Nozzle 5/32"	
	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM
35	76	2.05	77	2.68	79	3.39	79	4.19
40	77	2.19	78	2.86	80	3.62	79	4.47
45	78	2.32	79	3.03	80	3.84	80	4.73
50	78	2.45	79	3.20	81	4.05	81	5.00
55	78	2.57	80	3.35	81	4.24	81	5.23
60	79	2.68	80	3.50	82	4.43	82	5.47

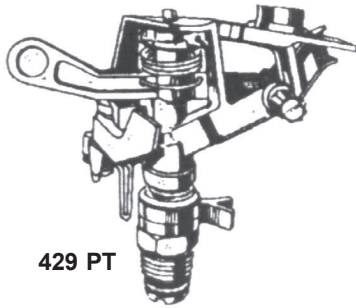
These sprinklers are widely used on all types of solid set systems, on center pivots, and in general field applications because of their construction and reliability. Excellent performance in low to medium application rates. Non-clog vane (mounted in entrance end of nozzle) in 20EJH model assures top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

NAAN 429 (PART TURN)

429 PT, w/nozzle-Naan part / plastic 7-0296 .5 10.00



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
3/4" BASE, #30H (LOWER GPM'S)	30 H w/nozzles-Rainbird full / brass	7-0110	1.0	26.42

Bearing: 3/4" Male NPT, Brass
Trajectory Angle: 27°
Operating Range: 25-80 psi
Flow Rate: 2.9-13.1 GPM
Radius: 40-56 ft.



30 H

FEATURES

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

BENEFITS

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

Brass Straight Bore Nozzle with Vane (SBN-3V) with Plug (Stream Height: 10 ft.)

PSI @ Nozzle	NOZZLE SIZE							
	9/64"		5/32"		11/64"		3/16"	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	42	2.90	44	3.50	45	4.30	46	5.10
30	43	3.10	45	3.90	46	4.70	47	5.60
35	44	3.40	46	4.20	47	5.10	49	6.00
40	45	3.60	47	4.50	48	5.40	50	6.40
45	46	3.80	48	4.70	49	5.70	52	6.80
50	46	4.10	49	5.00	50	6.10	53	7.20
55	47	4.20	50	5.20	51	6.30	54	7.60
60	47	4.40	50	5.50	51	6.60	54	7.90
65	48	4.60	51	5.80	52	6.90	55	8.20
70	48	4.80	51	5.90	53	7.20	55	8.50
75	49	5.00	52	6.10	54	7.40	56	8.80
80	50	5.10	52	6.30	55	7.70	56	9.10

Brass Straight Bore Nozzle with Vane (SBN-3V) with Spreader (LAN-1) (Stream Height: 10 ft.)

PSI @ Nozzle	NOZZLE SIZE									
	9/64" x 3/32-7		5/32" x 3/32-7		11/64" x 3/32-7		3/16" x 3/32-7		3/16" x 1/8-20	
	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
25	42	4.20	44	4.80	45	5.60	45	6.40	46	7.40
30	43	4.60	45	5.30	46	6.10	47	7.00	47	8.10
35	44	4.90	46	5.70	47	6.60	49	7.50	49	8.70
40	45	5.20	47	6.10	48	7.00	50	8.10	50	9.30
45	46	5.60	48	6.50	49	7.40	52	8.50	52	9.90
50	46	5.90	49	6.80	50	7.90	53	9.00	53	10.40
55	47	6.10	50	7.10	51	8.20	54	9.40	54	10.90
60	47	6.40	50	7.40	51	8.60	54	9.90	54	11.40
65	48	6.70	51	7.80	52	8.90	55	10.20	55	11.80
70	48	6.90	51	8.10	53	9.30	55	10.70	55	12.30
75	49	7.20	52	8.30	54	9.60	56	11.00	56	12.70
80	50	7.50	52	8.70	55	10.00	56	11.50	56	13.10

3/4" BASE (PART TURN)	35 TNT w/nozzle-Rainbird part / brass	7-0150	1.5	64.86
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35A TNT

Stream Height 9 ft*

PSI @ Nozzle	Nozzle 5/32"		Nozzle 11/64"		Nozzle 3/16" **	
	Rad.	GPM	Rad.	GPM	Rad.	GPM
30	42	3.9	43	4.6	44	5.5
35	43	4.2	44	5.0	46	6.0
40	44	4.5	45	5.4	47	6.4
45	44	4.7	46	5.7	48	6.8
50	45	5.0	47	6.0	49	7.2
55	45	5.2	48	6.3	50	7.5
60	46	5.4	48	6.6	51	7.8

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

3/4" BASE

46 H w/nozzles-Rainbird full / plastic 7-0120 0.4 18.27



46 H

		Stream Height 7 ft*									
		U.S. UNITS									
PSI @ Nozzle	Nozzle 5/32" x 3/32" - 7° Dia. GPM	Nozzle** 11/64" x 3/32" - 7° Dia. GPM	Nozzle 3/16" x 1/8" - 20° Dia. GPM	Nozzle 13/64" x 1/8" - 20° Dia. GPM	Nozzle 7/32" x 1/8" - 20° Dia. GPM						
						35	99 5.78	102 6.72	106 8.95	107 10.01	109 11.22
40	101 6.18	105 7.18	109 9.56	111 10.72	112 12.01						
45	104 6.55	107 7.51	112 10.14	114 11.36	117 12.76						
50	106 6.89	110 8.00	114 10.66	116 11.94	120 13.43						
55	108 7.21	111 8.36	117 11.14	119 12.48	123 14.03						
60	109 7.51	113 8.70	119 11.58	121 12.95	126 14.58						
65	111 7.79	115 9.01	120 11.98	123 13.11	128 15.08						
70	113 8.05	116 9.31	122 12.34	125 13.31	131 15.53						
75	114 8.30	118 9.56	124 12.68	127 14.18	133 15.94						
80	115 8.53	119 9.84	125 12.99	128 14.52	135 16.31						

PSI @ Nozzle	Nozzle 1/4" x 1/8" - 20° Dia. GPM	Nozzle 9/32" x 1/8" - 20° Dia. GPM		
			25	104 11.30
30	109 12.40	111 14.90		
35	113 13.40	115 16.20		
40	117 14.50	119 17.40		
45	121 15.40	123 18.50		
50	124 16.20	127 19.50		
55	126 17.00	132 20.40		
60	128 17.70	136 21.30		
65	130 18.40	138 22.20		
70	132 19.10	143 23.10		
75	134 19.80			
80	136 20.50			

		Stream Height 7 ft*									
		U.S. UNITS									
PSI @ Nozzle	Nozzle 5/32" Dia. GPM	Nozzle** 11/64" Dia. GPM	Nozzle 3/16" Dia. GPM	Nozzle 13/64" x Dia. GPM	Nozzle 7/32" Dia. GPM						
						35	99 4.24	102 5.10	106 6.07	107 7.11	109 8.32
40	101 4.54	105 5.47	109 6.50	111 7.61	112 8.89						
45	104 4.81	107 5.80	112 6.89	114 8.07	117 9.42						
50	106 5.06	110 6.10	114 7.25	116 8.48	120 9.89						
55	108 5.29	111 6.38	117 7.58	119 8.86	123 10.32						
60	109 5.50	113 6.64	119 7.89	121 9.20	126 10.71						
65	111 5.70	115 6.87	120 8.15	123 9.52	128 11.07						
70	113 5.88	116 7.09	122 8.41	125 9.81	131 11.39						
75	114 6.04	118 7.29	124 8.54	127 10.07	133 11.68						
80	115 6.19	119 7.47	125 8.85	128 10.31	135 11.95						

PSI @ Nozzle	Nozzle 1/4" x Dia. GPM	Nozzle 9/32" Dia. GPM		
			25	104 11.30
30	109 12.40	111 14.90		
35	113 13.40	115 16.20		
40	117 14.50	119 17.40		
45	121 15.40	123 18.50		
50	124 16.20	127 19.50		
55	126 17.00	132 20.40		
60	128 17.70	136 21.30		
65	130 18.40	138 22.20		
70	132 19.10	143 23.10		
75	134 19.80			
80	136 20.50			

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 nonclog 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

14070H w/nozzles-Rainbird full / brass 7-0155 1.28 53.72



14070H

		Stream Height 10 ft*									
		U.S. UNITS									
PSI @ Nozzle	Nozzle 3/16" x ** 1/8" - 20° Dia. GPM	Nozzle 13/64" x 1/8" - 20° Dia. GPM	Nozzle 7/32" x 1/8" - 20° Dia. GPM	Nozzle 15/64" x 1/8" - 20° Dia. GPM	Nozzle 1/4" x 1/8" - 20° Dia. GPM						
						25	89 7.4	91 8.3	92 9.2	93 10.3	94 11.4
30	95 8.1	97 9.1	99 10.1	100 11.2	102 12.4						
35	98 8.7	100 9.8	102 10.9	104 12.1	105 13.4						
40	100 9.3	103 10.5	105 11.7	107 13.0	109 14.4						
45	102 9.9	105 11.1	108 12.4	110 13.8	112 15.2						
50	104 10.4	107 11.7	110 13.1	112 14.5	115 16.1						
55	106 10.9	109 12.3	113 13.7	115 15.2	118 16.9						
60	107 11.4	111 12.8	115 14.3	117 15.9	120 17.6						
65	109 11.9	113 13.3	117 14.9	119 16.5	122 18.3						
70	110 12.4	114 13.8	118 15.4	121 17.2	124 19.0						
75	111 12.8	116 14.3	120 16.0	123 17.8	127 19.7						
80	113 13.2	117 14.8	122 16.5	125 18.4	129 20.3						

PSI @ Nozzle	Nozzle 3/16" x 1/8" - 20° Dia. GPM	Nozzle 9/32" x 1/8" - 20° Dia. GPM		
			25	95 12.5
30	103 13.7	104 15.1		
35	107 14.8	108 16.3		
40	110 15.8	112 17.4		
45	114 16.8	116 18.5		
50	117 17.7	119 19.5		
55	119 18.6	122 20.4		
60	122 19.4	125 21.3		
65	125 20.2	127 22.2		
70	127 21.0	130 23.0		
75				
80				

SPRINKLERS



Product	Description	Part Number	Weight	List Price
1 1/4" BASE	85 EHD-LA (PART TURN)			248.90
	80EHD			228.30



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.

Stream Height 14 ft*

PSI @ Nozzle	U.S. UNITS				
	Nozzle 1 1/32" x 7/32"-20° Rad. GPM	Nozzle 3/8" x ** 7/32"-20° Rad. GPM	Nozzle 13/32" x 7/32"-20° Rad. GPM	Nozzle 7/16" x 7/32"-20° Rad. GPM	Nozzle 15/32" x 7/32"-20° Rad. GPM
25	61 23.3	62 26.5	64 29.6	66 32.9	66 36.4
30	64 25.6	65 29.1	68 32.4	69 36.1	72 40.0
35	67 27.7	68 31.4	72 35.1	74 39.0	77 43.3
40	69 29.6	71 33.6	75 37.6	77 41.8	80 46.3
45	71 31.5	73 35.7	77 39.9	79 44.4	82 49.2
50	73 33.2	75 37.7	79 42.1	81 46.8	84 51.9
55	75 34.9	77 39.7	81 44.3	83 49.1	86 54.7
60	77 36.5	79 41.4	83 46.6	86 51.5	88 57.2
65	79 38.0	81 43.2	84 48.6	87 53.8	90 59.8
70	81 40.1	83 44.9	86 50.4	89 55.9	91 62.1
75	82 41.0	84 46.7	87 52.4	90 57.9	93 64.3
80	83 42.6	86 48.3	89 54.3	92 60.0	94 66.7
85	85 43.8	87 49.8	90 56.0	93 62.0	96 68.8
90	86 45.7	89 51.4	92 57.9	95 63.9	97 70.7
95	87 46.6	90 53.0	93 59.6	96 65.8	98 72.8
100	88 47.9	91 54.5	94 61.2	97 67.5	99 74.8

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)	65JADJ-TNT	7-0160	187.39
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65PJ-ADJ-TNT

Part / full circle brass impact sprinklers
Standard trajectory angle for maximum distance of throw
Larger nozzle sizes and higher flow rates
"PJ" 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.

Stream Height 10 ft*

PSI @ Nozzle	Nozzle 1/4" **	
	Rad. GPM	
40	54	11.5
45	55	12.2
50	57	12.9
55	57	13.6
60	58	14.2
65	62	14.8
70	63	15.4
75	64	16.0
80	65	16.5

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

1" BASE

70CWH w/nozzles-Rainbird full / brass 7-0130 3.0 155.27



70CWH

Stream Height 8 ft*						Stream Height 8 ft*															
U.S. UNITS						U.S. UNITS															
PSI @ Nozzle	Nozzle 7/32"		Nozzle 1/4" **		Nozzle 9/32"		Nozzle 5/16"		Nozzle 11/32"		PSI @ Nozzle	Nozzle 7/32" x 1/8" - 20"		Nozzle 1/4" x ** 1/8" - 20"		Nozzle 9/32" x 1/8" - 20"		Nozzle 5/16" x 1/8" - 20"		Nozzle 11/32" x 1/8" - 20"	
	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM		Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM	Dia.	GPM
40	114	8.8	120	11.5	125	14.6	130	17.7	133	21.1	40	114	11.6	120	14.3	125	17.4	130	20.5	133	23.9
45	117	9.4	122	12.2	128	15.5	133	18.9	136	22.5	45	117	12.4	122	15.2	128	18.5	133	21.9	136	25.5
50	119	9.9	124	12.9	131	16.3	136	20.0	140	23.8	50	119	13.0	124	16.0	131	19.4	136	23.1	140	26.9
55	121	10.4	126	13.6	133	17.2	140	21.0	143	25.0	55	121	13.7	126	16.9	133	20.4	140	24.3	143	28.3
60	123	10.9	128	14.2	135	18.0	143	22.0	146	26.2	60	123	14.3	128	17.6	135	21.4	143	25.4	146	29.6
65	125	11.4	130	14.8	138	18.8	145	23.0	149	27.4	65	125	15.0	130	18.4	138	22.4	145	26.6	149	31.0
70	127	11.8	132	15.4	140	19.5	147	23.9	152	28.5	70	127	15.5	132	19.1	140	23.2	147	27.6	152	32.2
75	129	12.2	134	16.0	142	20.3	149	24.8	154	29.6	75	129	16.0	134	19.8	142	24.1	149	28.6	154	33.4
80	130	12.6	136	16.5	144	20.9	151	25.7	156	30.6	80	130	16.5	136	20.4	144	24.8	151	29.6	156	34.5

PSI @ Nozzle	Nozzle 3/8"		Nozzle 13/32"	
	Dia.	GPM	Dia.	GPM
40	136	24.4	140	28.5
45	140	26.0	144	30.4
50	143	27.5	147	32.3
55	146	29.1	151	34.0
60	149	30.6	154	35.7
65	152	32.0	157	37.3
70	155	33.2	159	38.9
75	157	34.5	162	40.4
80	161	35.7	164	41.8

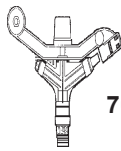
PSI @ Nozzle	Nozzle 3/8" x 1/8" - 20"		Nozzle 13/32" x 1/8" - 20"	
	Dia.	GPM	Dia.	GPM
40	136	27.2	140	31.4
45	140	29.0	144	33.4
50	143	30.6	147	35.5
55	146	32.4	151	37.4
60	149	34.0	154	39.2
65	152	35.6	157	40.9
70	155	36.9	159	42.7
75	157	38.3	162	44.3
80	160	39.6	164	45.8

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

7025 Arm



7025

7025 w/nozzles-Senninger full / plastic 7-0140 1.0 47.00
#7025 Arm Only-Senninger 7-0141 -- 18.10


7025 Senninger Sprinkler

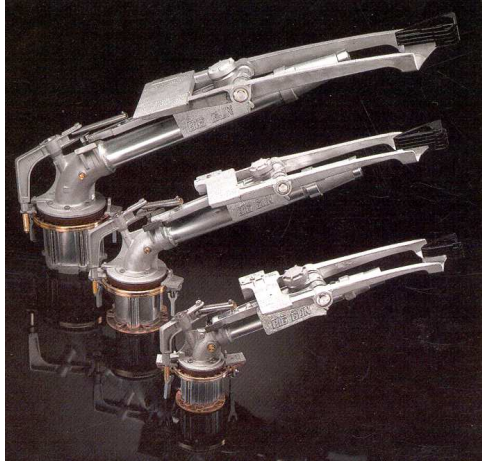
	#18 Range Nozzle (9/32") x #8 Spreader Nozzle - Lavender (#8")									
Flow (gpm)	16.3	17.4	18.5	19.5	20.4	21.3	22.2	23.1	23.9	24.6
Spkr. Base Press. (psi)	36.9	42.1	47.3	52.4	57.6	62.8	67.9	73.1	78.4	83.5
Diam. at 1.5' Ht. (ft)	122	126	131	135	140	145	148	151	155	158
Diam. at 6' Ht. (ft)	129	136	141	145	150	153	156	159	162	164
Diam. at 12' Ht. (ft)	136	142	148	152	156	160	163	166	169	171

Gun Stands/Sprinklers

NELSON VOLUME GUNS



Product	Description	Part Number	Weight	List Price
	F100 w/nozzle-Nelson	full	7-0230 22.0	747.00
	F150R w/nozzle-Nelson	full	7-0240 37.0	1542.24
	F200 w/nozzle-Nelson	full	7-0280 50.0	2440.05
	SR100 w/nozzle-Nelson	part	7-0295 30.0	1144.47
	SR150 w/nozzle-Nelson	part	7-0250 43.0	1908.43
	SR200 w/nozzle-Nelson	part	7-0290 57.0	3435.85



Nelson 101/SR

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

PERFORMANCE - U.S. UNITS

100 SERIES BIG GUN - 24° TRAJECTORY - TAPER BORE NOZZLE

P.S.I.	Nozzle .5"		Nozzle .55"		Nozzle .6"		Nozzle .65"		Nozzle .7"		Nozzle .75"		Nozzle .8"		Nozzle .85"		Nozzle .9"		Nozzle 1.0"	
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.
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 SERIES BIG GUN - 24° TRAJECTORY - TAPER BORE NOZZLE

P.S.I.	Nozzle .7"		Nozzle .8"		Nozzle .9"		Nozzle 1.0"		Nozzle 1.1"		Nozzle 1.2"		Nozzle 1.3"	
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.
50	100	250'	130	270'	165	290'	205	310'	255	330'	300	345'	350	360'
60	110	265'	143	285'	182	305'	225	325'	275	345'	330	365'	385	380'
70	120	280'	155	300'	197	320'	245	340'	295	360'	355	380'	415	395'
80	128	290'	165	310'	210	335'	260	355'	315	375'	380	395'	445	410'
90	135	300'	175	320'	223	345'	275	365'	335	390'	405	410'	475	425'
100	143	310'	185	330'	235	355'	290	375'	355	400'	425	420'	500	440'
110	150	320'	195	340'	247	365'	305	385'	370	410'	445	430'	525	450'
120	157	330'	204	350'	258	375'	320	395'	385	420'	465	440'	545	460'

200 SERIES BIG GUN - 27° TRAJECTORY - TAPER BORE NOZZLE

P.S.I.	Nozzle 1.05"		Nozzle 1.1"		Nozzle 1.2"		Nozzle 1.3"		Nozzle 1.4"		Nozzle 1.5"		Nozzle 1.6"		Nozzle 1.75"		Nozzle 1.9"	
	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.	GPM	DIA.
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'