



June 15, 2006 >>

whole goods price list

Supersedes WGPL dated June 15, 2005. Prices subject to change without notice.
Prices in US dollars.



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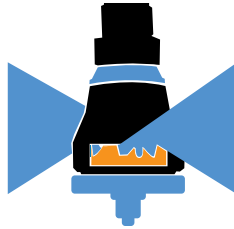
SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

June 15, 2006

WATER APPLICATION SOLUTIONS



SOLID SET/
PERMANENT SET



MECHANIZED
IRRIGATION



HIGH VOLUME

SUPERIOR TECHNOLOGY, UNMATCHED PERFORMANCE.

At Nelson, our business is providing our customers with the most innovative and reliable irrigation products. We understand that our success depends upon your success. That's why we continue to provide the most trusted, high-quality products in the industry. This commitment starts with state-of-the-art technology and a passion for innovation. We are committed to the core of our mission — *saving water, saving energy and doing a better job of irrigating™*.



FOCUSED ON ...

QUALITY

VALUE

INNOVATION



WARRANTY & DISCLAIMER: Nelson Irrigation products are warranted for one year from the date of original sale to be free of defective material and workmanship when used within the working specifications for which the product was designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from any defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty nor to make any representations or warranty not contained herein.

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June 15, 2006

NEW ROTATOR® SPRINKLER TECHNOLOGY

NEW!
PATENTED
PLATE
TECHNOLOGY



• HIGHER UNIFORMITY
• LOWER OPERATING PRESSURE
• WIDER THROW
• INCREASED OVERLAP

NO SOLENOID REQUIRED
*WHEN USED WITH BOOSTER PUMP

water application SOLUTIONS

FOR CENTER PIVOT IRRIGATION



UPGRADE YOUR SPRINKLER PACKAGE TODAY!

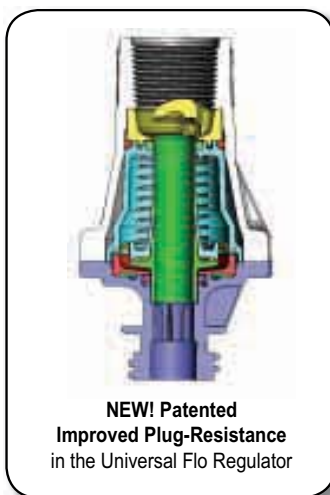
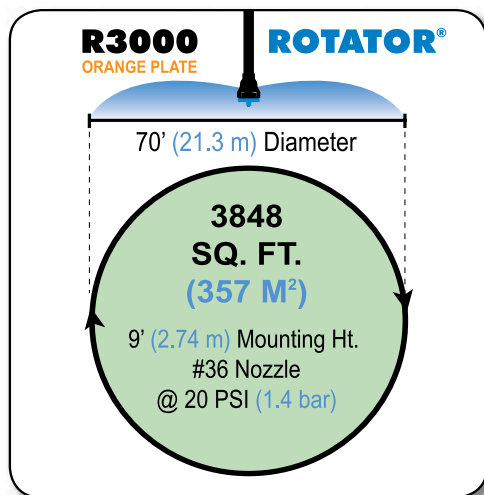
10 REASONS TO RETROFIT / RENOVATE YOUR PIVOT

1. To add pressure regulators to compensate for pressure fluctuations and stabilize flowrate.
2. To replace old technology for better irrigation efficiency.
3. To improve irrigation uniformity.
4. To operate at lower pressure and save energy.
5. To improve crop yield and get a higher return.
6. To adjust gallonage to match soil and crop requirements.
7. To replace worn out sprinklers and nozzles.
8. To minimize operating costs.
9. To take advantage of local power utility cost-sharing programs.
10. To reduce runoff and solve wheel-tracking problems.



FROM PIVOT POINT TO END GUN

Nelson Irrigation Corporation offers a full range of water application solutions for center pivot irrigation. From control valves to pivot sprinklers, pressure regulators and end guns, the package is complete. Efficiency and effectiveness are at the heart of this superior center pivot irrigation package. Nelson has the highest standards in engineering design, precision manufacturing, and quality assurance with state-of-the-art sprinkler package design software.



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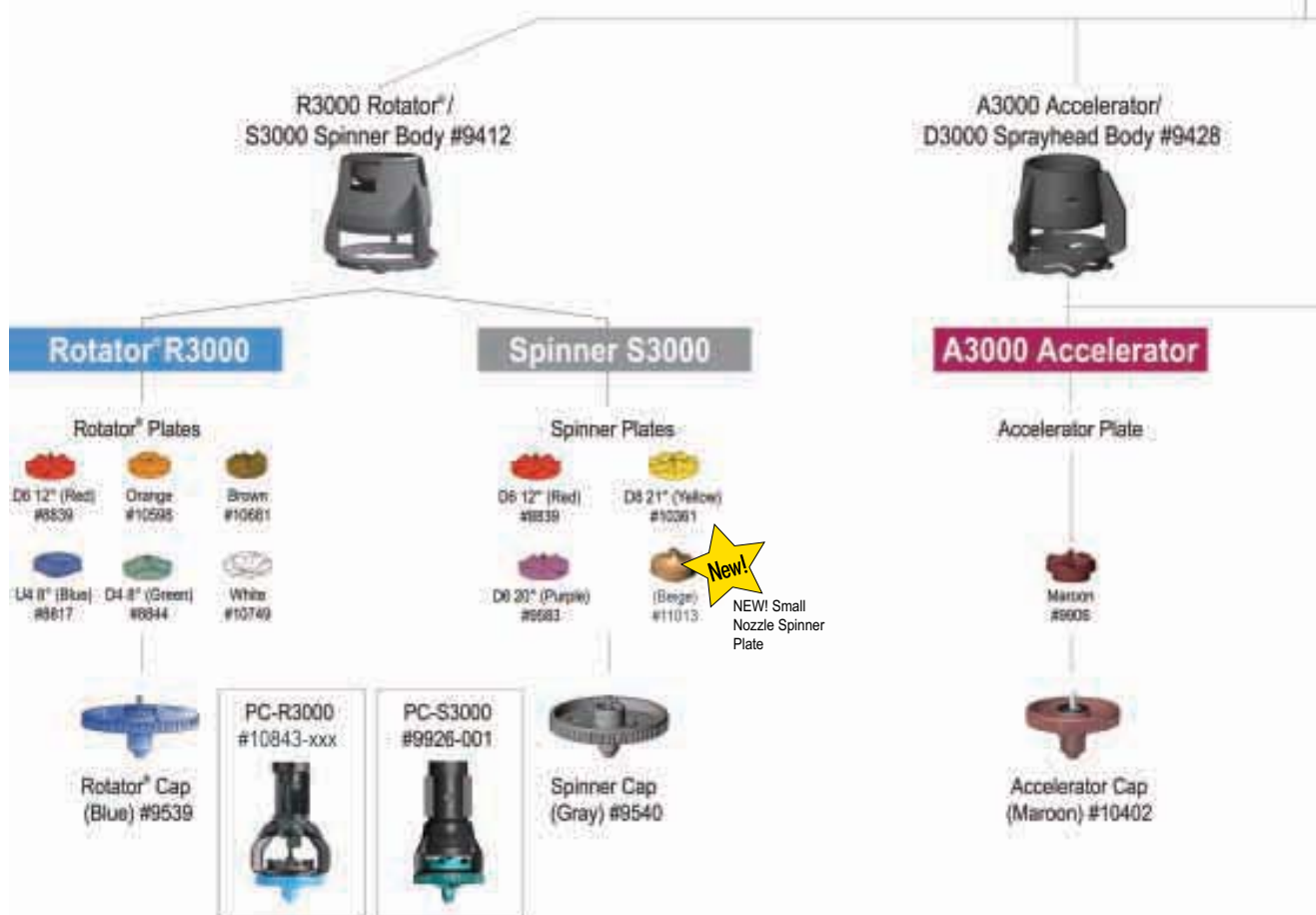
June 15, 2006

>> PIVOT PRODUCTS

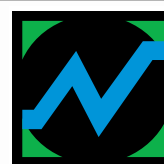
R	S	N	D	A	T
R3000	S3000	N3000	D3000	A3000	T3000
					
Op. Range 15-50 PSI (1-3.4 BAR)	Op. Range 10-20 PSI (.7-1.4 BAR)	Op. Range 10-15 PSI (.7-1 BAR)	Op. Range 6-40 PSI (.41-2.8 BAR)	Op. Range 10-15 PSI (.7-1 BAR)	Operating Range and Throw Diameter Depends on sprinkler selection
Throw Diam. 50-74' (15.2-22.6M)	Throw Diam. 42-54' (12.8-16.5M)	Throw Diam. 44-52' (13.4-15.9M)	Throw Diam. 16-40' (4.9-12.2M)	Throw Diam. 30-46' (9.1-14.0M)	

This diagram reflects the modularity of Nelson's 3000 Series Pivot Products. Each sprinkler is made up of an assembly of a cap, plate, body, and nozzle. The 3TN Nozzle is interchangeable with all 3000 Series sprinklers. A variety of connection devices are available to link the sprinkler with a hose or rigid drop.

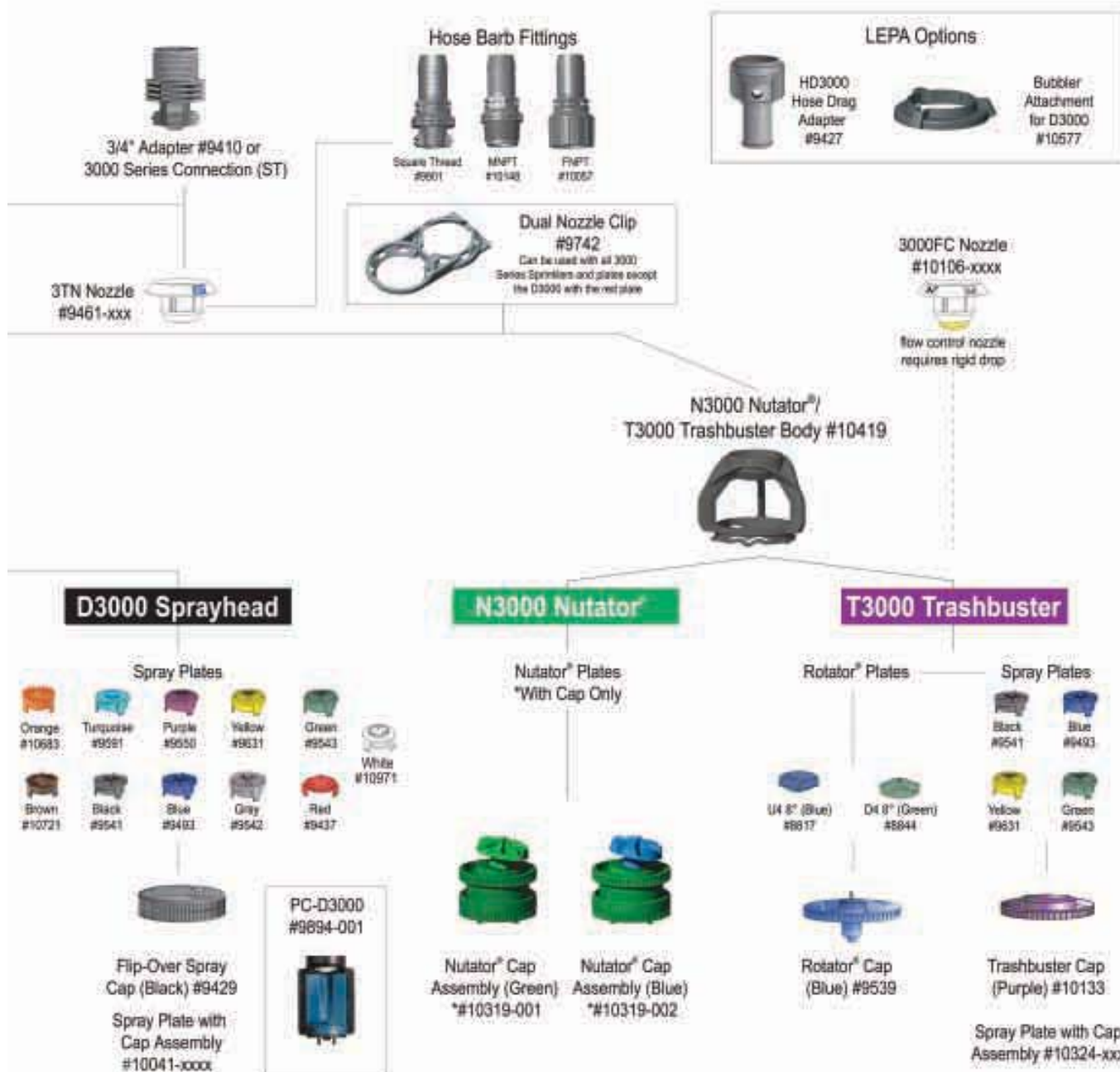
3/4" F x 3/4" F			3/4" F x Square Thread		
PSI	Uni-Flo	Hi-Flo	PSI	Uni-Flo	Hi-Flo
6 PSI	9491-001	9571-001	6 PSI	9572-001	9611-001
10 PSI	9491-002	9571-002	10 PSI	9572-002	9611-002
15 PSI	9491-003	9571-003	15 PSI	9572-003	9611-003
20 PSI	9491-004	9571-004	20 PSI	9572-004	9611-004
25 PSI	9491-005	9571-005	25 PSI	9572-005	9611-005
30 PSI	9491-006	9571-006	30 PSI	9572-006	9611-006
40 PSI	9491-007	9571-007	40 PSI	9572-007	9611-007
50 PSI	9491-008	9571-008	50 PSI	9572-008	9611-008



CHOOSE HIGH PERFORMANCE. Nelson's 3000 Series Pivot Products take into account the variety of soils and their differing content of sand, silt, and clay. Water droplet size and energy affect both wind-fighting ability and the integrity of the soil structure. Choose the product that best fits your soil type and maximizes efficiency.



**SPECIFY NELSON
ON BOARD**



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>> 3000 SERIES PIVOT PRODUCTS

R

R3000 PIVOT ROTATOR®

	BOX	QTY/BOX	LBS/BOX
3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
R3000/S3000 Body	13x13x16"	300	14
Rotator Plates (See page 4-5)	13x13x16"	1500	27
R3000 Cap/Motor	12x12x8 /13x13x16	300/600	16 / 32

R3000 Component Totals

96 19

PC-R3000 (Part Circle)

Motor, Plate, Cap & Body Assy Only
(Price does not include the 3/4" Adapter & 3TN Nozzle [#36-#50 only]
that are required for a complete PC-R3000 Assembly)

13x13x16" 150 25

S

S3000 PIVOT SPINNER

3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
S3000/R3000 Body	13x13x16"	300	14
Spinner Plates (See page 4-5)	13x13x16"	1500	27
S3000 Cap/Motor	12x12x8 /13x13x16	300/600	16 / 32

S3000 Component Totals

96 19

PC-S3000 (Part Circle)

Motor, Plate, Cap & Body Assy Only
(Price does not include the 3/4" Adapter & 3TN Nozzle
that are required for a complete PC-S3000 Assembly)

13x13x16" 150

N

N3000 NUTATOR®

3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
N3000 Body	13x13x16"	300	11
N3000 Cap/Nutator Plate Assembly (green or blue)	12x12x8"	75/150	14 / 28

N3000 Nutator Component Totals

D

D3000 PIVOT SPRAY HEAD

3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
D3000 Body	13x13x16"	475	18
D3000 Cap	12x12x8/13x13x16	200/400	13/25
Spray Plates (See page 4-5)	12x12x8"	900	11

D3000 Component Totals (with one Spray Plate)

120 17

PC-D3000 (Part Circle)

Spray Plate & Body Assembly Only
(Price does not include the 3/4" Adapter & 3TN Nozzle
that are required for a complete PC-D3000 Assembly)

13x13x16" 400 27

A

A3000 PIVOT ACCELERATOR

3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
A3000 Body	13x13x16"	475	18
Rotor Plate	12x12x8"	1000	12
A3000 Cap/Motor	12x12x8"	375	14

A3000 Component Totals

3000 SERIES PIVOT PRODUCTS >>



T3000 TRASHBUSTER

	BOX	QTY/BOX	LBS/BOX
3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
3000FC Flow Control Nozzle	12x12x8"	700	22
T3000 Body	13x13x16"	300	11
T3000 Cap/Spray Plate Assy (green, yellow, black, blue)	12x12x8"	300	11

T3000 Trashbuster Spray Component Totals (with 3TN Nozzle)

T3000 Trashbuster Spray Component Totals (with 3000FC Nozzle)

For Trashbuster with R3000 Rotator Cap/Motor/Plate, specify and price from R3000 Rotator Section on the previous page.

HD3000 HOSE DRAG ADAPTER (LEPA)



3000 Adapter 3/4" MNPT	13x13x16"	900	39
3TN Nozzle	12x12x8"	700	9
HD3000 Adapter	13x13x16"	800	24

HD3000 Component Totals

HOSE BARB FITTINGS



#10057 3/4" Hose Barb x 3/4" FNPT	13x13x16"	625	36
#10148 3/4" Hose Barb x 3/4" MNPT	13x13x16"	725	33
#9901 3/4" Hose Barb x 3000 Adapter	13x13x16"	800	38



UNIVERSAL-FLO & HI-FLO Pressure Regulators "ST" SQUARE THREAD REGULATORS

Universal-Flo 3000 Integral (specify 3/4" MNPT)	12x12x13"	100	26
Universal-Flo 3000 Pressure Regulator "ST"	12x12x13"	100	26
Hi-Flo Pressure Regulator "ST"	12x12x13"	100	26

The "ST" Square Thread Pressure Regulator connects directly to 3000 Series Pivot Sprinklers and eliminates the 3000 Adapter.



3/4" FNPT Pressure Regulators

Universal-Flo Pressure Regulator 3/4" FNPT	10x10x10"	100	30
Hi-Flo Pressure Regulator 3/4" FNPT	10x10x10"	100	30

DUAL NOZZLE CLIP

#9742 for all 3000 Series Products. List Price, **\$1.20 plus 3TN Nozzles** (Two 3TN Nozzles required)

13x13x16"; 1000 per box; no nozzles = 15 lbs/box



BUBBLER ATTACHMENT FOR D3000 (LEPA)

#10577 for D3000 Sprayhead. List Price, **\$1.14**

12x12x8"; 700 per box; 7 lbs/box



1 LB. MODULAR DROP WEIGHT

#10130
List Price, **\$6.95**

12x12x4"; 48 per box; 50 lbs/box



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June 15, 2006

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www.schumacherirrigation.com

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>> HEAVY-DUTY PIVOT END GUN OPTIONS



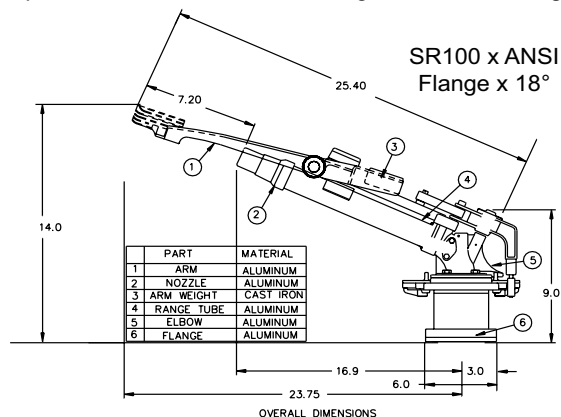
Model No.	Description	LBS/BOX	BOX	LIST PRICE
PART CIRCLE IMPACTS				
P65M	1" Male Part Circle with anti back-splash arm and diffuser pin	14	4 per 12x12x9"	
7RN	Drive Nozzle for P65M			
P85AS	1 1/4" Male Part Circle with single nozzle 18°	23	3 per 13x13x16"	
8DRN	Drive Nozzle for P85AS			
SR75 BIG GUN				
SR75	Part Circle - Slow Reverse (18°)	20	32x9x15"	
SR75 NOZZLES				
TR75	Individual Taper Ring Nozzle — Specify Size			
10207	Nozzle Cap Only (Nozzle Cap is included on 75 Series Big Gun)			
SR100 BIG GUN				
SR100	Part Circle - Slow Reverse (18°)	26	32x9x15"	
SRNV100E	SR100 Nozzle Valve w/Solenoid (110V or 24V) (18°)	36	32x9x15"	
SRNV100H	SR100 Nozzle Valve without Solenoid (18°)	35	32x9x15"	
SR100 NOZZLES				
100T	Taper Bore Nozzle — Specify Size	1/2		
	For Additional Nozzles & Accessories see Page 19			

* Nozzle Sold Separately

PIVOT GUN CONTROL VALVE: 800P CONTROL VALVE + SR75 OR SR100

Specify ANSI Flange Connection on Big Gun and B7 Connection Style on Valve.

Example: A2"B7C3 and 100 Series Big Gun. Lower Flange not included (#10356 2" FNPT X ANSI) = \$19.43



STUD SIZE	FLANGE SIZE	WAFFER STYLE VALVE LENGTH
4 STUDS 1/2" DIA. X 8.25" 4 WASHERS & 4 NUTS REQUIRED	0.75" 1.9CM	6.1 INCHES 15.5 CM

800P Series Valve (A2 B7 C3)



R5
9 - 29 GPH
34 - 110 LPH



R10
.3 - 1.1 GPM
61 - 242 LPH



R10 TURBO
.6 - 2.1 GPM
140 - 469 LPH



R2000
.7 - 3.5 GPM
150 - 792 LPH



R2000WF
1.0 - 5.5 GPM
217 - 1222 LPH

THE MANY BENEFITS OF FULL COVERAGE IRRIGATION

Rotator® Full Coverage Irrigation offers many benefits to growers not available through part coverage, drip, spray jet or spinner irrigation systems, such as:

1. Reduced tree stress during periods of heat or harvest
2. Ability to establish and maintain a healthy cover crop
3. Improved water infiltration and reduced ponding
4. Prevention of soil cracking
5. Environmental control: cooling and dust suppression
6. Improved effectiveness of chemical and fertilizer applications
7. Salinity management
8. Increased overall nutrient availability



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>> ROTATOR® SPRINKLERS

TO ORDER: Specify *Thread, Plate, and Nozzle*.
For example: R10 Rotator with Acme Thread (2),
 Blue Plate (3) and Gray #65 Nozzle (65)
 = #9913-2365

 R10 #9913-XXXX Thread: 3/8" = 0 1/2" = 1 Acme = 2 Plate: Red = 1 White = 2 Blue = 3 Nozzle		
Plate Options	Nozzle Options	Flow* @ 35 PSI (2.5 bar)
P2 P2 9° Red	Lt. Blue #40 #9306-040 Lt. Purple #45 #9306-045 Dk. Green #50 #9306-050 .35 10FC**	.28 GPM (64.7 LPH) .35 (80.6) .43 (99.4) .35 (79.5)
P4 P4 9° White	Dk. Green #50 #9306-050 Lt. Yellow #55 #9306-055 Lt. Red #60 #9306-060 .50 10FC**	.43 (99.4) .52 (120) .61 (141) .50 (114)
P6 P6 9° Blue	Gray #65 #9306-065 White #70 #9306-070 Dk. Blue #78 #9306-078 .75 10FC**	.72 (166) .83 (192) 1.05 (242) .75 (170)

*Flow in GPM and (LPH). **Use #9587-xxx. Call factory for part numbers.

 R5 #9836-XXX Plate: Green = 1 Wine = 2 Blue = 3 Nozzle: #35 Orange, #40 Blue, #45 Purple, #50 Green, #55 Yellow, or Flow Control [8.5 gph (32 lph); 11 gph (41 lph); 14 gph (53 lph); 18 gph (68 lph); 24 gph (90 lph)] (Call factory for FCN part numbers)		
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 R10T #9914-XXXX Thread: 3/8" = 0 1/2" = 1 Acme = 2 Plate: Blue = 3 Purple = 4; Yellow = 6 Brown = 5 Nozzle		
Plate Options	Nozzle Options	Flow* @ 35 PSI (2.5 bar)
P6 P6 9° Blue	Gray #65 #9306-065	.72 GPM (166 LPH)
	White #70 #9306-070	.83 (192)
P6 15° Purple	Dk. Blue #78 #9306-078	1.05 (242)
	.75 10FC**	.75 (170)
	1.0 10FC**	1.00 (227)
P8 P8 15° Gold	Orange #86 #9306-086	1.27 (294)
	Purple #94 #9306-094	1.50 (347)
P8 24° Brown	Yellow #102 #9306-102	1.78 (411)
	1.25 10FC**	1.25 (284)
	1.50 10FC**	1.50 (341)

R5 ROTATOR®

	BOX	QTY/BOX	LBS/BOX	1-4,999	5,000-19,999	20,000-49,999	50,000-99,999	100,000 & OVER
Standard R5 Assembly including Plate and Nozzle	12x12x8/13x13x16	1000/3000	7 / 23					

Specify: Plate (Green, Wine, or Blue) and Nozzle (#35, #40, #45, #50, or #55)

R5 Assembly including Plate and FCN Nozzle

	BOX	QTY/BOX	LBS/BOX	1-4,999	5,000-19,999	20,000-49,999	50,000-99,999	100,000 & OVER
R5 Assembly including Plate and FCN Nozzle	12x12x8/13x13x16	1000/3000	7 / 23					

Specify: Plate (Green, Wine, or Blue) and FCN Nozzle [8.5 gph (32 lph); 11 gph (41 lph); 14 gph (53 lph); 18 gph (68 lph); 24 gph (90 lph)]

R10 & R10T ROTATOR®

Body Assembly — Less Nozzle & Plate
 Rotor Plate P2 9°, P4 9°, P6 9°, or P6 15°
 Rotor Plate P8 24° or P8 15°
 2TN Nozzle (Nozzle options #40 to #102)

	BOX	QTY/CTN	LBS/CTN	1-2,499	2,500-9,999	10,000-24,999	25,000-49,999	50,000 & OVER
Body Assembly — Less Nozzle & Plate	12x12x8/13x13x16	300/600	8/18					
Rotor Plate P2 9°, P4 9°, P6 9°, or P6 15°		300/600	3.5					
Rotor Plate P8 24° or P8 15°								
2TN Nozzle (Nozzle options #40 to #102)		500/2500	1.3/6.0					
Total with Body, Plate, & 2TN Nozzle (Specify 3/8", 1/2" or Acme)	12x12x8"	300/600	11/24					
Total with Body, P8 24° or P8 15° Plate, & 2TN Nozzle	12x12x8"	300/600	11/24					
Total with 10 FC Nozzle, Body & Plate (Specify 1/2" or Acme)	12x12x8"	300/600	12/26					
Total with 10 FC Nozzle, Body & P8 24° or P8 15° Plate	12x12x8"	300/600	12/26					
Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)	13x13x16"		39/44					
PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip)	13x13x16"							

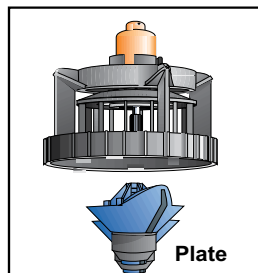
ROTATOR® SPRINKLERS >>

TO ORDER (unassembled): Specify Cap Assembly & Plate, Body & Nozzle, and Adapter. For example: R2000 K3 9° = 10519-1309 (cap Assy w/ brown plate), 10533-011 (2T Body w/ orange nozzle), 9316 (1/2" MNPT x acme)

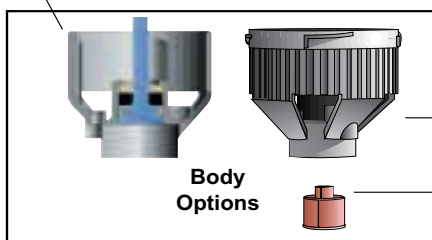
R2000

Flow Control Body with Nozzle

- .85 2000 FCN #9223-085
- 1.0 2000 FCN #9223-100
- 1.25 2000 FCN #9223-125
- 1.5 2000 FCN #9223-150
- 1.75 2000 FCN #9223-175
- 2.0 2000 FCN #9223-200
- 2.5 2000 FCN #9223-250



Cap Assembly with Plate #10519-xxxx

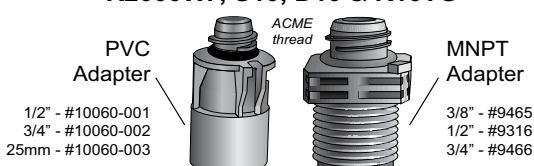


2T Body & Nozzle Assy #10533-xxx (-008, 009, 010 etc.)

2T Body #9155

2TN Nozzle #9306-xxx

Adapter Options for R10, R10T, R2000, R2000WF, S10, D10 & R10TG



			Flow** @ 40 PSI (3.0 bar)
K2	K2 9° Green + Cap Assy = #10519-1209*	Gray #8.3 #9306-065	.77 GPM (183 LPH)
	K2 15° Yellow + Cap Assy = #10519-1215*	White #9 #9306-070	.89 (210)
K3	K3 9° Brown + Cap Assy = #10519-1309*	Dark Blue #10 #9306-078	1.12 (266)
		.85 2000FC	.85 (193)
	K3 15° Red + Cap Assy = #10519-1315*	1.0 2000FC	1.00 (227)
K4	K3 24° Gray + Cap Assy = #10519-1324*	Orange #11 #9306-086	1.36 (323)
		Purple #12 #9306-094	1.61 (380)
	K4 6° Turquoise + Cap Assy = #10519-1406*	1.25 2000FC	1.25 (284)
		1.5 2000FC	1.50 (341)
K5	K4 9° Purple + Cap Assy = #10519-1409*	Yellow #13 #9306-102	1.90 (451)
		Green #14 #9306-109	2.15 (509)
	K4 12° Wine + Cap Assy = #10519-1412*	1.5 2000FC	1.50 (341)
		2.0 2000FC	2.00 (454)
	K4 15° Gold + Cap Assy = #10519-1415*		
K5	K4 24° Black + Cap Assy = #10519-1424*	Tan #15 #9306-117	2.53 (597)
		Dark Red #16 #9306-125	2.89 (685)
	K5 9° Orange + Cap Assy = #10519-1509*		
		2.5 2000FC	2.50 (568)
K5	K5 15° Tan + Cap Assy = #10519-1515*		
	K5 24° Blue + Cap Assy = #10519-1524*		

*Part Number for Cap Assembly + Plate = 10519-xxxx. **Flow in GPM and (LPH).

R2000 ROTATOR®

Cap Assembly
Rotor Plates

BOX	QTY/BOX	LBS/BOX
12x12x8 / 13x13x16	125/250	8/17
	500	3

Cap Assembly & Rotor Plate (Assembled)

2T Body (Female ACME Thread)
2TN Nozzle (options #8.3 to #16)

13x13x16"	625	22
	500/1200	1/4

2T Body & 2TN Nozzle (Assembled)

2000FC Nozzle Body (Female ACME Thread)

13x13x16"	500	20
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***Total with 2TN Nozzle

***Total with 2000FC Nozzle

Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)

13x13x16"	2000	44
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***Total with 2TN Nozzle & Threaded Adapter

***Total with 2000FC Nozzle & Threaded Adapter

PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip)

13x13x16"

***Totals are unassembled. Add \$.50 for complete assembly.

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June 15, 2006



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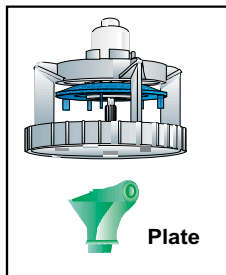
>> ROTATOR® SPRINKLERS

TO ORDER (unassembled): Specify Cap Assembly & Plate, Body & Nozzle, and Adapter. For example: **R2000 WF20** = 10299-120 (cap assy w/ brown plate), 9920-020 (WF Body w/ brown nozzle), 9466 (3/4" MNPT x acme)

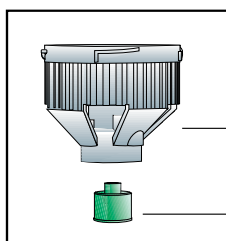
R2000WF

**Assembled*
R2000WF
Part Nos.**
(add \$.50 for Assembly)

R2000WF WF12 #11
9928-1211
R2000WF WF12 #12
9928-1212
R2000WF WF14 #13
9928-1413
R2000WF WF14 #14
9928-1414
R2000WF WF16 #15
9928-1615
R2000WF WF16 #16
9928-1616
R2000WF WF18 #18
9928-1818
R2000WF WF20 #20
9928-2020



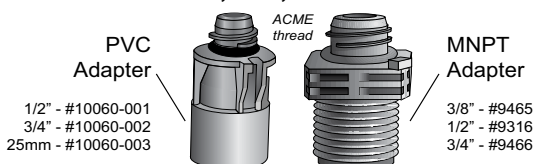
**Cap
Assembly
with Plate**
#10299-xxx



**WF Body &
Nozzle Assy**
#9920-xxx
(-010, 011, 012 etc.)

WF Body
#9920
**2TN
Nozzle**
#9306-xxx

Adapter Options for R10, R10T, R2000, R2000WF, S10, D10 & R10TG



K L E R S

			Flow** @ 50 PSI (3.5 bar)
	Purple WF12 w/Cap Assembly #10299-110 (w/ #10) #10299-112 (w/ #11 or #12 Nozzle)	 #10 Dark Blue #9306-078	1.25 GPM (286 LPH)
		 #11 Orange #9306-086	1.53 (350)
		 #12 Purple #9306-094	1.80 (412)
	Green WF14 w/Cap Assembly #10299-114	 #13 Yellow #9306-102	2.13 (487)
		 #14 Green #9306-109	2.40 (550)
	Red WF16 w/Cap Assembly #10299-116	 #15 Tan #9306-117	2.82 (647)
		 #16 Red #9306-125	3.23 (739)
	Gold WF18 w/Cap Assembly #10299-118	 #18 Gold #9306-141	4.11 (940)
	Brown WF20 w/Cap Assembly #10299-120	 #20 Brown #9306-156	5.00 (1144)

**Flow in GPM and (LPH).



R2000WF ROTATOR®

Cap Assembly
Rotor Plates

BOX 12x12x8/13x13x16
QTY/BOX 125/250
LBS/BOX 8/17
3

Cap Assembly & Rotor Plate (Assembled)

WF Body (Female ACME Thread)
2TN Nozzle (Options #10 to #20)

13x13x16" 625 22
500/1200 1/4

WF Body & 2TN Nozzle (Assembled) *Total with 2TN Nozzle

12x12x8" 250 11
13x13x16" 500 24

Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)

2000 44

*Total with 2TN Nozzle & Threaded Adapter

PVC Adapter (Male Acme x 3/8", 1/2", or 25 mm Slip)

*Totals are unassembled. Add \$.50 for complete assembly.

NURSERY PRODUCTS >>



S10

#10078-XXXX

Plate: Green (low) = 1
Black (high) = 2
Gray (flat) = 3

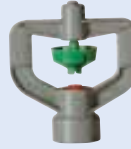
Thread: Acme = 000
1/2" = 001



D10

#10135-XXX

Thread: Acme = 001
1/2" = 002



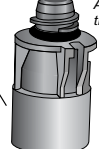
R10TG

#9914-8XXX

1/2" with Gray plate = 000
1/2" with Green plate = 001
1/2" with Black plate = 002
Acme with Gray plate = 003
Acme with Green plate = 004
Acme with Black plate = 005

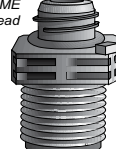
Nozzle Options	Part #	Flow in GPM @ 35 PSI	Flow in LPH @ 2.5 bar
#10 Blue	#9306-078	1.05	242
#11 Orange	#9306-086	1.27	294
#12 Purple	#9306-094	1.50	347
#13 Yellow	#9306-102	1.78	411
#14 Green	#9306-109	2.00	463
#15 Tan	#9306-117	2.35	544
#16 Red	#9306-125	2.70	624
#17 Turquoise	#9306-133	3.08	711
#18 Gold	#9306-141	3.44	795
#20 Brown	#9306-156	4.18	966

Adapter Options for R10, R10T, R2000, R2000WF, S10, D10 & R10TG



PVC Adapter

1/2" - #10060-001
3/4" - #10060-002
25mm - #10060-003



MNPT Adapter

3/8" - #9465
1/2" - #9316
3/4" - #9466

S10 SPINNER

S10 Spinner Plate & Body Assembly

Specify a plate: high-angle black, low-angle green, flat-trajectory gray.

2TN Nozzle (Specify size: 10, 11, 12, 13, 14, 15, 16, 17, 18 or 20)

***Total with Body, Plate, & 2TN Nozzle**

(Specify 1/2" or acme base — *acme base requires adapter*)

PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip)

Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)

Complete S10 with PVC Adapter

Complete S10 with Threaded Adapter

D10 SPRAY

D10 Spray Plate & Body Assembly (Specify: Acme or 1/2")

2TN Nozzle (Specify size: 10,11,12,13,14,15,16,17,18 or 20)

***Total with Body, Plate, & 2TN Nozzle**

(Specify 1/2" or acme base — *acme base requires adapter*)

PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip)

Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)

Complete D10 with PVC Adapter

Complete D10 with Threaded Adapter

R10TG ROTATOR®

R10TG Plate & Body Assembly (Specify: Acme or 1/2")

Specify a plate: high-angle black, low-angle green, flat-trajectory gray.

2TN Nozzle (Specify size: 12,13,14,15,16,17,18 or 20)

***Total with Body, Plate, & 2TN Nozzle**

(Specify 1/2" or acme base — *acme base requires adapter*)

PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip)

Adapter (Male Acme x 3/8", 1/2", or 3/4" MNPT)

Complete R10TG with PVC Adapter

Complete R10TG with Threaded Adapter

*** ADD \$.50 TO ASSEMBLE WITH NOZZLE & ADAPTER.**

SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

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June 15, 2006



Your Irrigation Solutions Catalog
Email: irrigate@schumacherirrigation.com
www.schumacherirrigation.com

Toll Free: 800-246-3685

Phone: 402-246-3685

Fax: 402-246-2072

>> REGULATORS & ROTATOR® ACCESSORIES



MINI REGULATOR

Specify pressure 20, 30, 35, 40, 45, or 50 PSI.
Mini Regulator Drain Check (blue base)
(1/2" FNPT x Acme) or (Acme x Acme)
Mini Regulator (gray base)
(1/2" FNPT x Acme) or (Acme x Acme)

BOX	QTY/BOX	LBS/BOX
12x12x8"	150	18
12x12x8"	150	18

1- 1,249	1,250- 4,999	5,000- 12,499	12,500- 24,999	25,000 & OVER
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Universal-Flo/Hi-Flo Regulators

Universal-Flo Pressure Regulator 3/4" FNPT
Hi-Flo Pressure Regulator 3/4" FNPT

10x10x10"	100	30
10x10x10"	100	30

1- 249	250- 999	1,000- 2,499	2,500- 4,999	5,000 & OVER
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PRESSURE REGULATORS FOR DRIP AND TURF/LANDSCAPE APPLICATIONS

The Universal-Flo Pressure Regulator can be ordered with hose thread female inlet or male outlet. Use the same price as 3/4" FNPT listed above and specify "HT" connection. Connection options are 3/4" Female HT x 3/4" Male HT or 3/4" FNPT x 3/4" Male HT.

R2000CW COW WASH ROTATOR®

Cap Assembly _____
K4 12° Plate _____
2T Body _____
2TN Nozzle (options #14, #16, #18) _____
Adapter (Male Acme x 1/2" MNPT) _____

Total Components Unassembled _____

Total Components Assembled _____

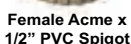
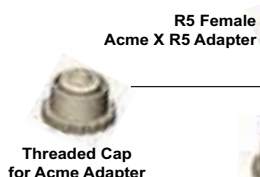
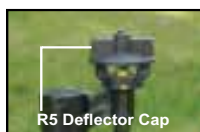
R2000 SECURITY LOCK

Security Screw Removal Tool **9347** _____
Security Screw **9329** _____
Internal Locking Device **10045** _____
PVC Adapter (Male Acme x 1/2", 3/4", or 25 mm Slip) _____
#10060-001 — 1/2"
#10060-002 — 3/4"
#10060-003 — 25 mm



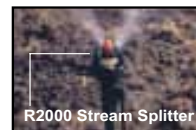
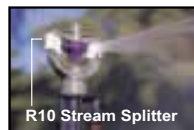
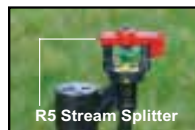
PRESSURE GAUGES

0 - 60 PSI Gauge **8968-002** _____
0 - 100 PSI Gauge **8968-003** _____
0 - 160 PSI Gauge **8968-004** _____
Pressure Gauge Tap Assembly
(Female Acme x Male Acme) **10367** _____



STREAM SPLITTERS

R5 Stream Splitter (1-sided) **10746** _____
R5 Stream Splitter (2-sided) **10976** _____
R10 Standard Stream Splitter (Red) **10404** _____
R10 Wide Stream Splitter (White) **10593** _____
R2000 Stream Splitter **9397** _____



ROAD GUARDS

R10/R2000(WF) Low Angle Road Guard (Red) **9590-030** _____
R10/R2000(WF) High Angle Road Guard (Orange) **9879** _____



TOOLS

R10/R2000(WF) 2TN Nozzle Removal Tool **10634** _____
R2000(WF) Plate Removal Tool **9620** _____
R2000(WF) Flush Tool **9210** _____
R2000(WF) Cap Removal Tool **10689** _____

MISC.

R5 Deflector Cap **10951** _____
R5 Female Acme x R5 Adapter **10616** _____
R2000 Deflector Cap **10649** _____
R2000 Protector (metal "Coyote Guard") **10398** _____
Threaded Cap (Shut Off) for Acme Adapters **10615** _____
Female Acme x 1/2" PVC Spigot **10352** _____
R2000(WF) Heavy-Duty (Metal) Adapter (see plastic version pg. 11-13)
Male Acme x 1/2" MNPT **10619** _____

>>

1/2 Spigot
x 10 mm
Compression

>> FEEDTUBE ASSEMBLIES & ACCESSORIES



FT-03 FEEDTUBE ASSEMBLY* for the R5 (upright mount)

10136	R5 Rod Stake Adapter
9960-924	4mm Flexible PVC Feedtube 24" (61cm) & LTO, 4mm Barb Assembly
9960-930	4mm Flexible PVC Feedtube 30" (76 cm) & LTO, 4mm Barb Assembly
9960-936	4mm Flexible PVC Feedtube 36" (91cm) & LTO, 4mm Barb Assembly
10040-018	6.3mm Fiberglass Plastic Rod Stake 18" (45cm)
10040-024	6.3mm Fiberglass Plastic Rod Stake 24" (61cm)
9982-124	4.7mm Steel Rod Stake 24" (61cm)

*For complete assembly order adapter, feedtube & stake.

1- 4,999	5,000- 19,999	20,000- 49,999	50,000- 99,999	100,000 & OVER
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FT1 FEEDTUBE ASSEMBLY FOR THE R10

9262	Collar Adapter 3/8" FNPT
9284-030	5mm Flexible PVC Feedtube 30" (76cm)
9305	LTO, 5mm Compression x 5mm Barb

FT1	Total — Components Only
FT1	Total Assembled #9308-030 (Does not include stake)

9261-002	Orange Stake
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1- 2,499	2,500- 9,999	10,000- 24,999	25,000- 49,999	50,000 & OVER
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FT2 FEEDTUBE ASSEMBLY FOR THE R10

9677	Steel Rod Stake Adapter Acme
9284-030	5mm Flexible PVC Feedtube 30" (76cm)
9305	LTO, 5mm Compression x 5mm Barb

FT2	Total — Components Only
FT2	Total Assembled #9741-030 (Does not include stake)

9726-024	6.3mm Steel Rod Stake 24" (61cm)
10040-018	6.3mm Fiberglass Plastic Rod Stake 18" (45cm)
10040-024	6.3mm Fiberglass Plastic Rod Stake 24" (61cm)

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FT4 FEEDTUBE ASSEMBLY FOR THE R10, R10 TURBO, R2000, & R2000WF

9677	Steel Rod Stake Adapter Acme
9099-036	10mm Flexible PVC Feedtube 36" (91cm)
9774	LTO, 10mm Compression x 7mm Barb

FT4	Total — Components Only
FT4	Total Assembled #9752-036 (Does not include stake)

9725-024	8mm Steel Rod Stake 24" (61cm)
10160	8mm Fiberglass Plastic Rod Stake 24" (61cm)

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FT5 FEEDTUBE ASSEMBLY FOR THE R10, R10 TURBO, R2000, & R2000WF

9677	Steel Rod Stake Adapter Acme
9099-048	10mm Flexible PVC Feedtube 48" (122cm)
9740	QC LTO, 10mm Compression x Male QC
9739	QC Barb, Female QC x 10mm Barb

FT5	Total — Components Only
FT5	Total Assembled #9737-048 (Does not include stake)

9725-048	8mm Steel Rod Stake 48" (122 cm)
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THE ORIGINAL BIG GUN®



QUALITY CONTROL

In the field of large-volume sprinklers, Nelson Big Guns® are recognized the world over as the leader in quality and performance. They are engineered and precision manufactured for heavy-duty reliability and long wear life with minimum maintenance required. Every Nelson Big Gun® is subjected to the toughest inspection testing and quality control standards in the industry.

APPLICATIONS

1. Pivot End Gun (see page 8)
2. Traveler Sprinkler
3. Feedlot Dust Suppression and Cooling
4. Animal and Food Processing Waste Disposal
5. High Angle Coal Pile Dust Suppression
6. Turf and Athletic Field Irrigation
7. Fire Protection

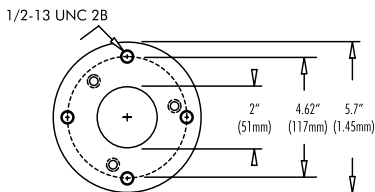
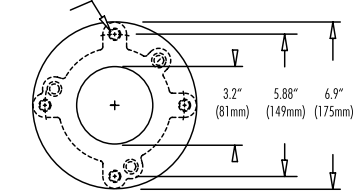
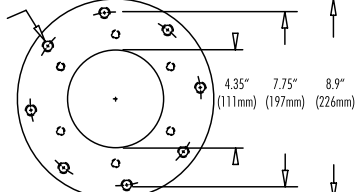
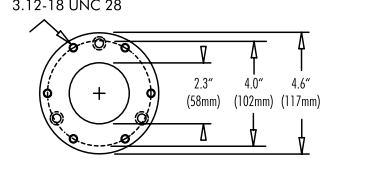
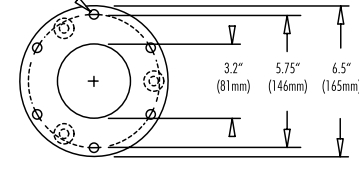
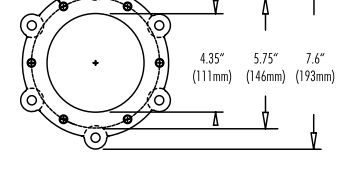
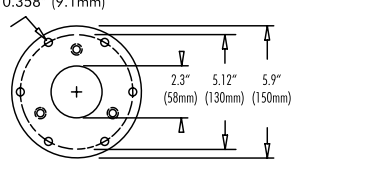
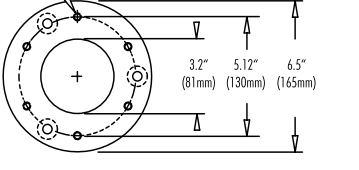
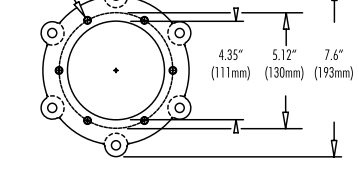
SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

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June 15, 2006

>> BIG GUN® SPRINKLERS & ACCESSORIES

	75 SERIES		100 SERIES		150 SERIES			200 SERIES	
PERFORMANCE	30-160 GPM (6.8-36.3 M³/H) 		50-300 GPM (10-70 M³/H) 		100-550 GPM (23-129 M³/H) 			250-1000 GPM (55-270 M³/H) 	
MODEL & TRAJECTORY	Full Circle F75 (CB)	Part Circle SR75 (CB)	Full Circle F100	Part Circle SR100	Full Circle F150	Part Circle SR150	Part Circle SRA150	Full Circle F200	Part Circle SR200
	21°, 24°	21°, 24°, 43°	21°, 24°, 43°		21°, 24°	21°, 24°, 27°, 43°	15-45° Adjustable	21°, 24°, 27°	
NOZZLE OPTIONS	Not Available		100T (Choice of 10 sizes)		150T (Choice of 8 sizes)			200T (Choice of 9 sizes)	
	TR75 (Choice of 9 sizes)		100TR (Body, Cap & Choice of 9 sizes)		150TR (Body, Cap & Choice of 7 sizes)			Not Available	
	Not Available		100R (Body, Cap & 7 Rings)		150R (Body, Cap & 7 Rings)			200R (Body, Cap & 7 Rings)	
CONNECTION	1 1/2" or 2" FNPT or FBSP ANSI/DIN Nelson or Metric Flange		2" FNPT or FBSP, 2 1/2" FNPT ANSI/DIN, Nelson or Metric Flange		2" FNPT or FBSP for SRNV Nelson, Metric or ANSI/DIN Flange / Also, Nelson Flange to Female Adapters			Nelson, Metric or ANSI/DIN Flange (SR200 only) Also, Nelson Flange to Female Adapters	

	75 & 100 SERIES	150 SERIES	200 SERIES
ANSI FLANGE	 1/2-13 UNC 2B 2" (51mm) 4.62" (117mm) 5.7" (145mm)	 1/2-13 UNC 2B 3.2" (81mm) 5.88" (149mm) 6.9" (175mm)	 1/2-13 UNC 2B 4.35" (111mm) 7.75" (197mm) 8.9" (226mm)
NELSON FLANGE	 3.12-18 UNC 2B 2.3" (58mm) 4.0" (102mm) 4.6" (117mm)	 .406" (10mm) 3.2" (81mm) 5.75" (146mm) 6.5" (165mm)	 .375 - 16 UNC 4.35" (111mm) 5.75" (146mm) 7.6" (193mm)
METRIC FLANGE	 0.358" (9.1mm) 2.3" (58mm) 5.12" (130mm) 5.9" (150mm)	 M8 x 1.25 - 6H 3.2" (81mm) 5.12" (130mm) 6.5" (165mm)	 M8 x 1.25 - 6H 4.35" (111mm) 5.12" (130mm) 7.6" (193mm)

TO ORDER BIG GUNS® SPECIFY THE FOLLOWING:

Model No., Trajectory, Connection Size & Type, Nozzle Size & Type, Optional Coatings (Anodized or Anodized and Powder Coated) NOTE: Extended lead time may be necessary for large quantities of anodized or anodized and powder coated products.

Specification Example:
SR100 (24°), 2" FNPT, T-8"



Model No.	Description	LBS/BOX	BOX	LIST PRICE
75 SERIES BIG GUNS®				
F75 CB	Full Circle (CB)	18	32x9x12"	
SR75 CB	Part Circle (CB) - Slow Reverse	20	32x9x15"	
75 SERIES NOZZLES				
TR75	Individual Taper Ring Nozzle — Specify Size			
10207	Nozzle Cap Only (Nozzle Cap is included on 75 Series Big Gun)			
100 SERIES BIG GUNS®				
*F100	Full Circle	20	32x9x12"	
*SR100	Part Circle - Slow Reverse	26	32x9x15"	
SRNV100E	SR100 Nozzle Valve w/Solenoid (110V or 24V)	36	32x9x15"	
SRNV100H	SR100 Nozzle Valve without Solenoid	35	32x9x15"	
QC-SR100	Quick Coupling SR100 with Integral QC Key	36	32x9x19"	
QC-F100	Quick Coupling F100 with Integral QC Key	23	32x9x16"	
QC Valve	QC Valve Assy., Specify 2" or 3" FNPT Inlet	11		
QC Valve Key	QC Valve Key, Specify 2" FNPT or Flanged Outlet	11		
*Add \$133.33 for Anodized F100 or SR100, Add \$531.92 for Anodized & Powder Coated F100 or SR100				
100 SERIES NOZZLES				
100T	Taper Bore Nozzle — Specify Size	1/2		
100R	Ring Nozzle Set — Cap, Body & 7 Rings	1		
7872	Ring Nozzle Cap Only, (Use only with 100R)	1/2		
9956-001	Ring or Taper Ring Nozzle Body Only, (Use w/100R, 100TR)	1		
6847	Set of 7 Rings Only, (High Pressure Operation)	1/2		
R100	Individual Ring Only — Specify Size	1/2		
100TR	Taper Ring Nozzle Set — Cap, Body, Taper Ring (Specify Size)	1		
6745	Ring Nozzle Cap Only (Use only with 100TR)	1/2		
TR100	Individual Taper Ring Only — Specify Size	1/2		
9724	Secondary Nozzle Kit			
Add 15% for Anodized 100 Series Nozzles, Add 60% for Anodized & Powder Coated 100 Series Nozzles				
100 SERIES ACCESSORIES				
9857	SR100 LPV Kit (Low Pressure Drive Vane)	2		
100FI	Nelson Flange to Female Adapter (2" or 2 1/2")			
100CBK	Counterbalance Kit — Specify Model Gun	19		
600V Vane	Stream Straightener Vane, Fits 2" x 6" Riser	1		
100HD	75 & 100 Series HD Bearing Assembly — Specify SR or F			
75CB	75 Series CB Bearing Assembly — Specify SR or F			

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June 15, 2006

>> BIG GUN® SPRINKLERS & ACCESSORIES

Model No.	Description	LBS/BOX	BOX	LIST PRICE
150 SERIES BIG GUNS®				
*F150	Full Circle - Flanged Connection	36	43x10x15"	
*SR150	Part Circle - Slow Reverse - Nelson Flange or ANSI Flange	42	43x10x15"	
**SRA150	Part Circle - Slow Reverse - Adjustable Trajectory	44	43x10x15"	
F150SS	Full Circle - Flanged Connection Stainless Steel (includes Nozzle)		43x10x15"	
SR150SS	Part Circle - Slow Reverse-Flanged Connection Stainless Steel (includes Nozzle)		43x10x15"	
*Add \$150.48 for Anodized F150 or SR150, Add \$601.83 for Anodized & Powder Coated F150 or SR150				
**Limited availability. Please contact the Nelson factory before ordering.				
150 SERIES NOZZLES				
150T	Taper Bore Nozzle — Specify Size	1		
150R	Ring Nozzle Set — Cap, Body & 7 Rings	2		
9773	Ring Nozzle Body Only	2		
6286	Ring Nozzle Cap Only	1		
6846	Set of 7 Rings Only	1/2		
R150	Individual Ring Only — Specify Size	1/2		
150TR	Taper Ring Nozzle Set — Cap, Body, Taper Ring (Specify Size)	2		
TR150	Individual Taper Ring Only — Specify Size	1/2		
9724	Secondary Nozzle Kit			
Add 10% for Anodized 150 Series Nozzles, Add 40% for Anodized & Powder Coated 150 Series Nozzles				
150 SERIES ACCESSORIES				
150FI	Nelson Flange to Female Adapter, Cast Iron — (3" or 3 1/2")	6		
150CBK	Counterbalance Kit	30		
HD150	150 Series HD Bearing Assembly (specify SR or F Series)	14		
6843	Stream Straightener Vane, Fits 3" x 9" Riser	1		
SR100 & SR150 ACCESSORIES				
9822	Drive Arm Maintenance Kit			
200 SERIES BIG GUNS®				
*F200	Full Circle - Nelson Flange	48	55x13x18"	
*SR200	Part Circle - Slow Reverse - Flanged Connection	70	55x13x18"	
*Add \$184.94 for Anodized F200 or SR200, Add \$714.27 for Anodized & Powder Coated F200 or SR200				
200 SERIES NOZZLES				
200T	Taper Bore Nozzle — Specify Size	2		
200R	Ring Nozzle Set, 7 Rings	3		
9972-001	Ring Nozzle Body Only	2		
6026	Ring Nozzle Cap Only	1		
6845	Set of 7 Rings Only	1/2		
R200	Individual Ring Only — Specify Size	1/2		
Add 7% for Anodized 200 Series Nozzles, Add 27% for Anodized & Powder Coated 200 Series Nozzles				
200 SERIES ACCESSORIES				
200FI	Nelson Flange to Female Adapter, Cast Iron — (3 1/2")	6		
200FI	Nelson Flange to Female Adapter, Cast Iron — (4")	6		
200CBK	Counterbalance Kit			
9425	Manure Kit/Large Nozzle Kit			
HD200	200 Series HD Bearing Assembly (Specify Connection)			
10565	ANSI Flange Adapter (F200 only)			

IMPACT SPRINKLERS & ACCESSORIES >>

Model No.	Description	QTY/BOX	LBS/BOX	BOX	LIST PRICE (less nozzle)
HIGH ANGLE IMPACT SPRINKLERS					
F70M	1" Male Double Nozzle	24	58	13X13X16"	
F80	1 1/4" Male Double Nozzle	10	52	13X13X16"	
3/4" AND 1" LOW ANGLE IMPACT SPRINKLERS					
L20-04T	3/4" Single Nozzle	120	74	13X13X16"	
F33AS	3/4" Single Nozzle	60	65	13X13X16"	
F33AA	3/4" Double Nozzle	60	70	13X13X16"	
F44AAB	3/4" Double Nozzle (Plastic Sprinkler) w/ Brass Bearing	48	30	13X13X16"	
F43A	3/4" Double Nozzle	48	73	13X13X16"	
F70AM	1" Male Double Nozzle	24	58	13X13X16"	
F80A	1 1/4" Male Double Nozzle	10	52	13X13X16"	

VANES — To order sprinklers with vane add "V" to Model Number and add price of vane to sprinkler.

3V Vane	Stream Straightener Vane for 3/4" Impacts	_____
4V Vane	Stream Straightener Vane for F43, F43A, and F44AA Series	_____
7V Vane	Stream Straightener Vane for F70 and F70A Series, P65 Series	_____
8V Vane	Stream Straightener Vane for all 80 and 85 Series	_____

NOZZLES, PLUGS & BEARING ASSEMBLIES FOR IMPACT SPRINKLERS

*3RN	Brass Nozzle: 3/4" Impacts, Secondary for 100 & 150 Series Guns	_____
*2FCN	Flow Control Nozzle 1/2" Sprinklers	_____
3FCN	Flow Control Nozzle 3/4" Sprinklers	_____
7RN	Drive Nozzle F70A, F70, & P65M, Secondary for 150 & 200 Series Big Gun	_____
8DRN	Drive Nozzle F80A, F80, P85A, P85AS, and P85	_____
3RN Plug	Brass Secondary Nozzle Plug for F70A, F80A, 100 Series Gun, P85 and F44AAB	_____
8806	P65 Bearing Assembly	_____
7197	F80 Bearing Assembly	_____
7198	F70 Bearing Assembly	_____
7714	P85AS Bearing Assembly	_____
9036	P85 Bearing Assembly	_____

PART CIRCLE IMPACTS & SWIVEL HOSE ELS

P65M	1" Male Part Circle with anti back-splash arm and diffuser pin	_____
P85AS	1 1/4" Male Part Circle with single nozzle 18°	_____
P85	1 1/4" Male Part Circle with double nozzle 24°	_____
8ADN	Adjustable Diffuser (including Nozzle)	_____
8DN	Diffuser Assembly (not including Nozzle)	_____
SH-125	1 1/4" MNPT x 1 1/2" MNPT Swivel Hose Ell	_____

* Shaded items represent products that will be discontinued.

SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

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>> 800 SERIES CONTROL VALVES

TO ORDER: Specify 800 Series Control Valve and Select From Each Letter Option, and a Pressure Gauge Option (See page 23). Any item in section D, E, & H can be ordered separately as a Kit. Specify the option letter and number (example "E50" for a 120 VAC 1/16" Solenoid Kit.).

A	B	C	D	E	H
VALVE SIZE	VALVE CONNECTION STYLE	VALVE OPERATING PRESSURE	CONTROL FUNCTION (PSI in this column indicates range of adjustment.)	ON/OFF MODE	FILTER OPTIONS
A2" \$285 A3" \$399	B3 THREAD	C1 10-50 PSI	D1 MANUAL ON/OFF CTRL.	E1 NO SOLENOID	H2 EXTERNAL
	B4 WAFER WITHOUT BOLTS	C2 30-200 PSI	D6 SLEEVE EXHAUST	E21 12VDC 1/16" (.6 AMP MAX)	H3 INTERNAL
	B5 WAFER WITH BOLTS INCLUDED 2 7/8" Valve	C3 18-80 PSI	D7 SHUTTLE CHECK VALVE (Must accompany solenoid or sustaining ctrl.)	E23 9/12VDC LATCHING (Use with Solorain Valve Controllers. See Page 23)	
	B6 VICTAULIC		D12 REDUCING 5 - 50 PSI	E43 24VAC (.13 AMP)	
	B7 WAFER FOR BIG GUN ANSI — WITH BOLTS 2 7/8" Valve		D13 REDUCING 10 - 120 PSI	E44 24VAC LDOS (Long Distance Operating Solenoid)	
			D15 SUSTAINING 5 - 50 PSI	E46 24VAC 1/16" (.43 AMP Inrush)	
A4" \$611 A6" \$953 A8" \$1,887	B4 WAFER WITHOUT BOLTS	C1 10-50 PSI	D1 MANUAL ON/OFF CTRL.	E1 NO SOLENOID	H2 EXTERNAL
	B5 WAFER WITH BOLTS INCLUDED 4" Valve 6" Valve 8" Valve	C2 30-200 PSI	D2 REDUCING 5 - 50 PSI	E20 12-24VDC 1/16" LATCHING (.5 AMP MAX)	H3 INTERNAL
	B7 WAFER FOR BIG GUN ANSI — WITH BOLTS 4" Valve (only)	C3 18-80 PSI	D3 REDUCING 10 - 120 PSI	E21 12VDC 1/16" (.6 AMP MAX)	
			D4 REDUCING 25 - 200 PSI	E23 9/12VDC LATCHING (Use with Solorain Valve Controllers. See Page 23)	
			D5 SUSTAINING 25 - 200 PSI	E24 9/12VDC LATCHING (Use with Solorain Valve Controllers. See Page 23)	
			D6 SLEEVE EXHAUST	E30 24VDC 1/16" (.3 AMP MAX)	
			D7 SHUTTLE CHECK VALVE (Must accompany solenoid or sustaining ctrl.)	E40 24VAC 1/16" (.15 AMP Inrush)	
			D8 SUSTAINING 10 - 120 PSI	E41 24VAC 1/16" (1.1 AMP Inrush) (Heavy Duty)	
			D9 SUSTAINING 5 - 50 PSI	E42 24VAC 1/8" (3.6 AMP)	
			D18 RATE OF FLOW	E46 24VAC 1/16" (.43 AMP Inrush)	
				E50 120VAC 1/16" (Higher voltage solenoid kits available. Call for details.)	
				E52 120VAC 1/8" (For 6" & 8" valve only.)	
				E80 Hydraulic Remote Ctrl.	

SAMPLE ORDER: A6" B5 C2 D3 E40 H3. This configuration represents a 6" valve with wafer style connection (bolts included), 30 to 200 PSI pressure rating, pressure reducing (10 - 120 PSI) control package with a 24VAC 1/16" solenoid, and an internal filter. The total list price is



**BIG GUN®/
VALVE COMBO**

Specify ANSI Flange Connection on Big Gun and B7 Connection Style on Valve

Examples:
A2"B7C2D_E_H3 for 75 & 100 Series Big Guns
A3"B7C2D_E_H3 for 150 Series Big Guns
A4"B7C2D_E_H3 for 200 Series Big Guns

ANSI Flange Gun Connection

B7 Valve Connection Style

lower flange not included (#10356 2" FNPT X ANSI)



**SOLORAIN™
WIRELESS VALVE
CONTROLS**

Remote Valve Controllers*
 (Use with the E23 or E24 Solenoid, see page 22)
 #10147-001 — SRC-1 (one zone)

Portable Programmers*
 (Use Programmer Plus with SRC-1)
 #10146-010 — SRP-71

*The SRC-1 Remote Valve Controller is manufactured by LR Nelson (their model #8051). This item has been discontinued and will be available until our inventory is sold out. Contact the LR Nelson factory for details about their new model #8021 which is intended to replace the #8051).

CONTROL VALVE ACCESSORIES

Pressure Gauge Options:

1. Male quick connect fitting #9498.

Two male quick connect fittings are recommended with reducing or sustaining functions.

2. Pressure gauge, specify:
 #8968-002 0 - 60 p.s.i.
 #8968-004 0 - 160 p.s.i.
 #8968-005 0 - 200 p.s.i.



3. Female quick connect #9438-002

Schrader Valve Components:

1. 1/4" Valve Stem #10104.



2. Lock on Gauge Chuck for the 1/4" Valve Stem #10103.



3. Gauge & Fittings Kit #10105-xxx.

Includes 1 Pressure Gauge (Specify Pressure Range), 1 Lock on Gauge Chuck, 2 Valve Stems

ACV200 AIR CONTROL VALVE

Continuous Acting
 To order specify: 2" MNPT or 2" MBSP thread.



1-24 25-99 100-249 250-499 500 & over

ACV200B*
 (Brass Base)

ACV200P
 (Plastic Base)

*Shaded items represent products that will be discontinued.

IRRIGATION DESIGN SOFTWARE

(Windows is required for all software programs except Fastquote)

NET PRICE

IRRICAD

IRRICAD is a very powerful software for the design of pressurized irrigation systems. A customizable database allows you to quickly generate materials lists with your own part numbers. IRRICAD is the world's premiere irrigation design program.

FASTQUOTE

Fastquote is like IRRICAD, but trimmed down to focus on turf irrigation system designs.

Rotator Software Suite

Contains the Rotator and Overlap programs. The Rotator software is a hydraulic lateral pipe calculator for any model of Nelson Rotator, at any spacing, with up to 5 pipe diameters and 4 different slope angles on the one lateral pipe. Overlap quickly aids designers in calculating CU, DU, SC, and application rates for Nelson Irrigation sprinklers, at the spacings you choose.



NELSON HATS Net Price
 Nelson Irrigation (khaki w/ navy bill)
 Big Gun (navy)
 Rotator (specify black or khaki)

SAVE WATER, SAVE ENERGY AND DO A BETTER JOB OF IRRIGATING.

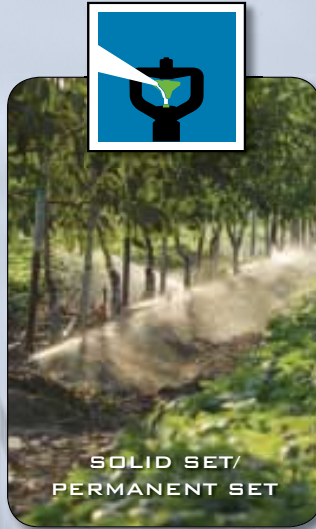
23

June 15, 2006

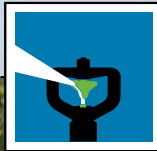
WATER APPLICATION SOLUTIONS



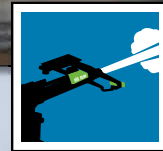
MECHANIZED
IRRIGATION



SOLID SET/
PERMANENT SET



HIGH VOLUME &
CONTROL SYSTEMS



NELSON IRRIGATION CORPORATION
848 Airport Rd., Walla Walla WA 99362-2271 U.S.A.

June 15, 2006

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IRRIGATION, INC.

Your Irrigation Solutions Catalog
Email: irrigate@schumacherirrigation.com
www.schumacherirrigation.com

Toll Free: 800-246-3685

Phone: 402-246-3685

Fax: 402-246-2072



75 SERIES BIG GUN® PERFORMANCE

U.S. UNITS — 75 TAPER RING NOZZLE — **TR75** — 24° TRAJECTORY

TR75 Taper Rings are ordered individually.
Specify size when ordering

	0.4"		0.45"		0.5"		0.55"		0.6"		0.65"		0.7"		0.75"		0.8"	
PSI	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.	GPM	DIA.FT.
25							42	146	50	155	59	161	69	167	80	174	91	182
30					37	158	45	158	55	165	64	172	75	182	87	187	99	192
35			32	154	40	164	49	172	59	178	69	191	81	196	93	202	106	208
40	27	149	35	160	43	171	52	180	63	190	74	198	87	204	98	213	112	221
45	29	155	37	167	46	180	56	189	67	198	79	206	91	214	104	223	118	230
50	30	161	39	174	48	186	59	195	70	203	83	212	95	220	109	230	123	237
55	32	165	41	179	50	193	62	203	74	213	87	221	100	230	115	239	130	247
60	33	169	42	184	53	198	64	208	77	220	91	228	104	237	120	245	136	254
65	35	172	44	189	55	205	67	216	80	227	95	237	109	247	125	254	142	263
70	36	175	45	194	57	210	69	221	83	232	98	243	113	254	129	260	147	270
75	37	179	47	201	59	217	72	228	86	239	101	250	117	261	134	268	153	277
80	39	182	49	207	61	222	74	234	89	244	105	256	121	266	138	274	158	283

Diameter (DIA) in feet and flowrate (GPM) are based on CIT (Center for Irrigation Technology) testing and some comparisons (dated 10/9/02). For 43° performance consult factory. In general, throw distance is reduced ~3% with each 3° drop in trajectory.

 Pressure/nozzle combinations OUTSIDE of the shaded-in areas produce a more desirable stream.

METRIC UNITS — 75 TAPER RING NOZZLE — **TR75** — 24° TRAJECTORY

TR75 Taper Rings are ordered individually.
Specify size when ordering

	10,2mm			11,4mm			12,7mm			14,0mm			15,2mm			16,5mm			17,8mm			19,1mm			20,3mm		
kg/cm²	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M	L/S	M³/H	M
1.75							2.64	9.5	44	3.17	11.4	48	3.72	13.4	49	4.30	15.5	51	4.91	17.7	54	5.59	20.1	56			
2.00							2.33	8.4	48	2.82	10.2	48	3.39	12.2	51	3.98	14.3	52	4.59	16.5	56	5.25	18.9	58	5.97	21.5	59
2.50				2.11	7.6	47	2.61	9.4	50	3.16	11.4	53	3.79	13.6	55	4.45	16.0	58	5.14	18.5	60	5.87	21.1	62	6.68	24.0	64
3.00	1.83	6.6	47	2.32	8.3	50	2.86	10.3	53	3.46	12.4	57	4.15	14.9	59	4.88	17.6	61	5.63	20.3	63	6.43	23.1	66	7.32	26.3	69
3.50	1.98	7.1	49	2.50	9.0	52	3.09	11.1	57	3.74	13.4	60	4.48	16.1	62	5.27	19.0	64	6.08	21.9	67	6.95	25.0	70	7.90	28.4	73
4.00	2.11	7.6	50	2.67	9.6	54	3.30	11.9	59	3.99	14.4	62	4.79	17.2	65	5.63	20.3	67	6.50	23.4	71	7.43	26.7	73	8.45	30.4	76
4.50	2.24	8.1	52	2.84	10.2	57	3.50	12.6	62	4.24	15.2	66	5.08	18.3	68	5.97	21.5	71	6.89	24.8	75	7.88	28.4	78	8.96	32.3	80
5.00	2.36	8.5	53	2.99	10.8	60	3.69	13.3	64	4.46	16.1	68	5.35	19.3	70	6.30	22.7	74	7.26	26.1	78	8.30	29.9	80	9.45	34.0	84
5.50	2.48	8.9	55	3.13	11.3	62	3.87	13.9	66	4.68	16.9	70	5.61	20.2	73	6.60	23.8	77	7.62	27.4	81	8.71	31.3	83	9.9	35.7	86
6.00	2.59	9.3	56	3.27	11.8	63	4.04	14.6	68	4.89	17.6	72	5.86	21.1	74	6.90	24.8	79	7.96	28.6	84	9.09	32.7	85	10.3	37.2	87

Diameter (M) in meters and flowrate (L/S = liter/sec; M³/H = cubic meter per hour) are based on CIT (Center for Irrigation Technology) testing and some comparisons (dated 10/9/02). For 43° performance consult factory. In general, throw distance is reduced ~3% with each 3° drop in trajectory.

 Pressure/nozzle combinations OUTSIDE of the shaded-in areas produce a more desirable stream.

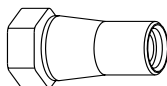
WARRANTY AND DISCLAIMER

Nelson Big Gun® Sprinklers are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty, nor to make any representations or warranty not contained herein.

June 15, 2006

100 TAPER BORE NOZZLE 100T

100T – Specify size when ordering

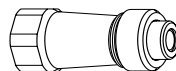


Flow Path

	0.50" 9309-050		0.55" 9309-055		0.60" 9309-060		0.65" 9309-065		0.70" 9309-070		0.75" 9309-075		0.80" 9309-080		0.85" 9309-085		0.90" 9309-090		1.0" 9309-100	
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. 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

100 TAPER RING NOZZLE 100TR

100TR = Body + Cap + 1 Taper Ring
Specify size when ordering



COMPONENTS:
Body #9956-001
Taper Ring #9257-xxx
Cap #6745

Flow Path

	16mm 9257-016		17mm 9257-017		18mm 9257-018		19mm 9257-019		20mm 9257-020		21mm 9257-021		22mm 9257-022		23mm 9257-023		24mm 9257-024	
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.
40	67	212	76	219	86	225	98	233	110	242	125	250	136	254	151	259	166	275
50	75	224	85	231	97	240	110	250	123	258	139	266	152	271	169	279	185	288
60	83	239	94	246	106	254	120	264	135	273	153	281	167	286	186	294	203	303
70	89	249	101	259	114	268	130	277	146	286	165	295	180	300	200	309	219	320
80	95	259	108	269	122	278	139	288	156	297	176	306	193	313	214	324	235	336
90	101	268	115	278	130	289	147	299	166	308	187	317	204	324	227	334	249	345
100	107	278	121	288	137	298	155	308	175	318	197	327	216	334	240	344	262	355
110	112	288	127	298	143	308	163	317	183	326	207	336	226	342	251	353	275	364

100 RING NOZZLE 100R

100R = Body + Cap + Set of 7 Rings
Specify size when ordering
Complete set of 7 rings only = #6847



COMPONENTS:
Body #9956-001
Ring #6738-xxx
Cap #7872

Flow Path

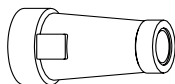
	0.71" 6738-071		0.77" 6738-077		0.81" 6738-081		0.86" 6738-086		0.89" 6738-089		0.93" 6738-093		0.96" 6738-096	
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.
40	66	208	78	212	91	215	103	224	118	235	134	238	152	242
50	74	220	88	225	100	230	115	240	129	250	150	255	167	260
60	81	235	96	240	110	245	125	260	141	270	164	275	183	280
70	88	245	104	250	118	260	135	275	152	290	177	295	198	300
80	94	255	111	265	127	275	145	285	163	300	189	305	211	315
90	99	265	117	275	134	285	154	295	173	310	201	315	224	325
100	105	270	124	280	142	295	162	305	182	320	212	325	236	335
110	110	275	130	290	149	305	170	315	191	325	222	335	248	345

Diameters are based on 24" trajectory. Big Gun® performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Nelson Irrigation Corporation makes no representation regarding droplet condition, uniformity, or application rates.

June 15, 2006

150 TAPER BORE NOZZLE 150T

150T – Specify size when ordering

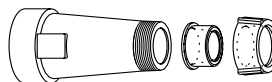
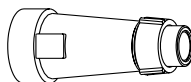


	0.70"		0.80"		0.90"		1.0"		1.1"		1.2"		1.3"		1.4"	
	9317-070		9317-080		9317-090		9317-100		9317-110		9317-120		9317-130			
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.
50	100	250	130	270	165	290	205	310	255	330	300	345	350	360	408	373
60	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

150 TAPER RING NOZZLE 150TR

150TR = Body + Cap + 1 Taper Ring
Specify size when ordering

COMPONENTS:
Body #9773
Taper Ring #9238-xxx
Cap #6286

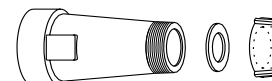
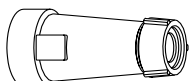


	22mm		24mm		26mm		28mm		30mm		32mm		34mm	
	9238-022		9238-024		9238-026		9238-028		9238-030		9238-032		9238-034	
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.
50	135	270	164	286	196	302	233	318	274	333	319	347	369	358
60	148	284	179	301	214	317	255	334	301	351	350	367	405	378
70	159	299	194	315	231	331	276	349	325	366	378	382	437	393
80	170	310	207	330	247	346	295	364	347	381	404	397	467	409
90	181	320	220	340	262	357	313	377	368	396	429	411	495	424
100	191	329	231	350	277	366	330	386	388	405	452	423	522	436
110	200	339	243	359	290	376	346	397	407	416	474	433	548	446
120	209	349	253	369	303	386	361	407	425	426	495	443	572	457

150 RING NOZZLE 150R

150R = Body + Cap + Set of 7 Rings
Specify size when ordering

COMPONENTS:
Body #9773
Ring #6287-xxx
Cap #6286



	0.86"		0.97"		1.08"		1.18"		1.26"		1.34"		1.41"		1.47"	
	6287-086		6287-097		6287-108		6287-118		6287-126		6287-134		6287-141		6287-147	
PSI	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.	GPM	DIA. FT.
50	100	245	130	265	165	285	205	300	255	320	300	335	350	350	385	353
60	110	260	143	280	182	300	225	315	275	335	330	350	385	365	423	368
70	120	270	155	290	197	310	245	330	295	350	355	365	415	380	458	383
80	128	280	165	300	210	320	260	340	315	360	380	380	445	395	490	399
90	135	290	175	310	223	330	275	350	335	370	405	390	475	405	522	409
100	143	300	185	320	235	340	290	360	355	380	425	400	500	415	550	419
110	150	310	195	330	247	350	305	370	370	390	445	410	525	425	577	429
120	157	315	204	335	258	360	320	380	385	400	465	420	545	435	603	439

Diameters are based on 24" trajectory. Big Gun® performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Nelson Irrigation Corporation makes no representation regarding droplet condition, uniformity, or application rates.

June 15, 2006

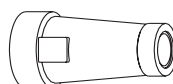


Part Circle: SR200
Full Circle: F200
Trajectories: 21°, 24°, 27°
Connection options include:

- 3.5" FNPT or FBSP
- 4" FNPT
- Nelson Flange
- Metric Flange
- UFI Flange
- ANSI Flange

200 TAPER BORE NOZZLE **200T** — 27° TRAJECTORY

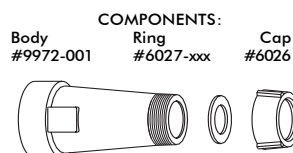
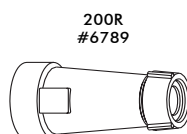
200T – Specify size when ordering



	1.05" 9323-105			1.1" 9323-110			1.2" 9323-120			1.3" 9323-130			1.4" 9323-140			1.5" 9323-150			1.6" 9323-160			1.75" 9323-175			1.9" 9323-190		
PSI	GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. 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	

200 RING NOZZLE **200R**

200R = Body + Cap + set of 7 rings
Complete set of 7 rings only = #6845
R200 = Individual ring only,
specify size when ordering.

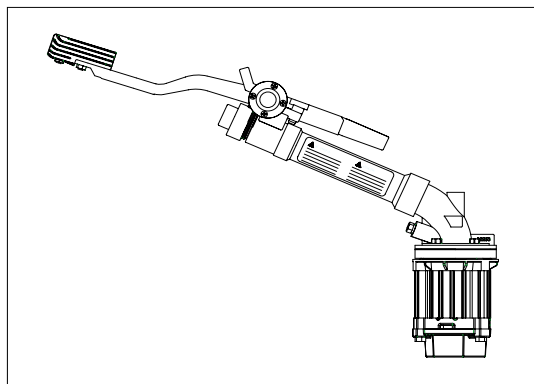


	1.29" 6027-129			1.46" 6027-146			1.56" 6027-156			1.66" 6027-166			1.74" 6027-174			1.83" 6027-183			1.93" 6027-193		
PSI	GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.		GPM	DIA. FT.	
50	230	325		300	355		350	370		410	390		470	405		535	420		640	435	
60	250	340		330	370		385	390		445	410		515	425		585	440		695	455	
70	270	355		355	385		415	405		480	425		555	440		630	455		755	475	
80	290	370		380	400		445	420		515	440		590	455		675	470		805	490	
90	310	380		405	415		475	435		545	455		625	470		715	485		855	505	
100	325	390		425	425		500	445		575	465		660	480		755	500		900	520	
110	340	400		445	435		525	455		605	475		695	490		790	510		945	535	
120	355	410		465	445		545	465		630	485		725	500		825	520		985	545	
130	370	415		485	450		565	470		655	490		755	505		860	525		1025	550	

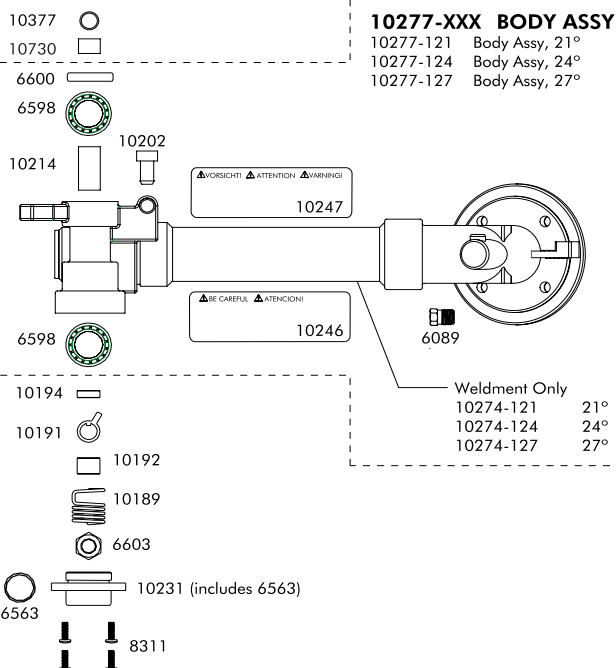
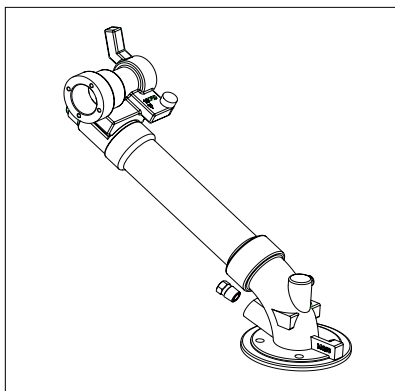
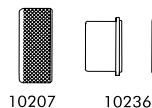
Diameters are based on 27° trajectory. Big Gun® performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Nelson Irrigation Corporation makes no representation regarding droplet condition, uniformity, or application rates.

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NELSON**F75 BIG GUN®****F75 BIG GUN® PARTS LIST**

Nozzle shown for reference only.
Order nozzles from WG-PL Price List.



part number	description	qty.
6089	3RN Plug	1
6598	Bearing, Ball, 12 x 32 x 10mm	2
6600	Seal, Oil	1
10202	Bumper, SR75	1
10214	Spacer, Drive Arm Bearing	1
10246	Label, Warning - English, Spanish	1
10247	Label, Warning - French, German, Swedish	1

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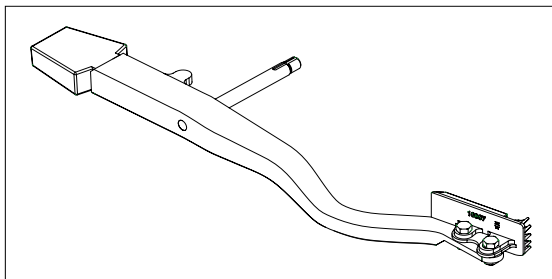
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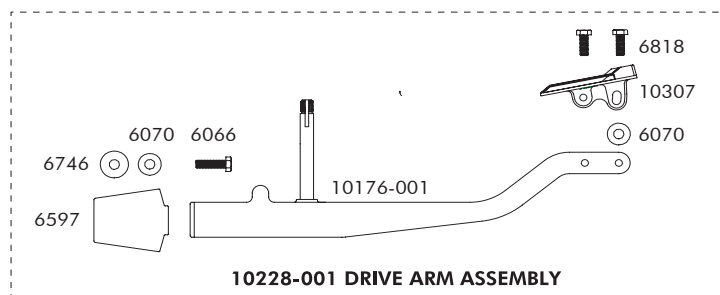
Phone: 402-246-3685

Fax: 402-246-2072



10228-001 DRIVE ARM ASSEMBLY, F75

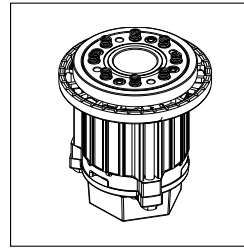
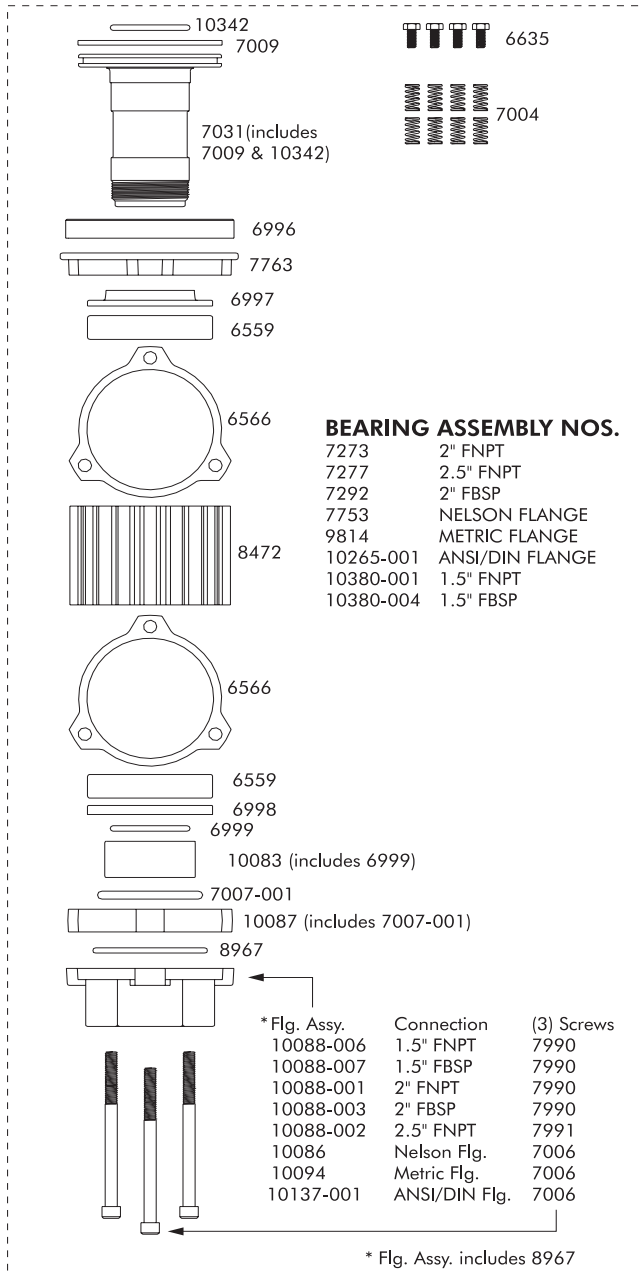
part number	description	qty.
6060	Nut, .25-.20 x .75"	2
6066	Screw, .25-.20 x 1", Hex Head Cap	1
6070	Washer, .25" Plain, .281 x .625 x .065	1
6597	Weight, Drive Arm - F100	1
6746	Washer, Drive Arm Weight - F100	1
6818	Screw, .25-.20 x .75", Hex Head Cap	2
10176-001	Arm, Drive - F75	1
10307	Vane, Drive - F75	1



FINAL ASSEMBLY COMPONENTS

part number	description	qty.
6603	Nut, .438-20 Special	1
8311	Screw, #8-32 x .375", Self-Tapping Pan Head	4
10189	Spring, Torsion - SR75	1
10191	Cam - SR75	1
10192	Spacer, Drive Arm Shaft, SR75	1
10194	Spacer, Drive Arm Shaft - SR75	1
10207	Cap, Nozzle - 75TR	1
10214	Spacer, Drive Arm Bearing - F75	1
10231	Cap Assy, Arm Bearing - SR75	1
10377	O-Ring, .459 ID x .040 CS	1
10236	O-Ring, -.025	1
10730	Spacer, Drive Arm Shaft, Teflon Coated - SR75	1

June 15, 2006



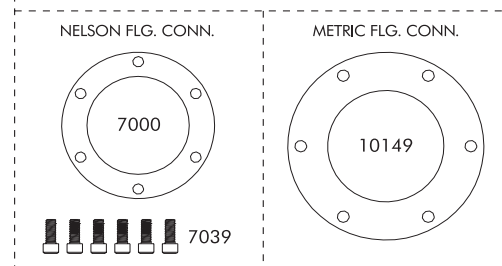
BEARING ASSEMBLY HD 100

part number	description	qty.
6559	Bearing, Ball, 50 x 80 x 16mm	2
6566	Gasket, Housing - HD100	2
6635	Screw, 5/16-18 x 11/16" Hex Hd. Cap	4
6996	Ring, Brake - HD100	1
6997	Seal, Upper - HD100	1
6998	Seal, Center - HD100	1
6999	O-Ring, -224	1
7004	Spring, Brake - HD100	8
7006	Screw, .312-18 x 3.50" Hex Skt Hd Cap	3
7007-001	O-Ring, -331, Special, w/ Grease & Graphite	1
7009	Seal, Dust - HD100	1
7031	Shaft Assembly - HD100	1
7763	Cover, Full Circle - HD100	1
7990	Screw, .312-18 x 4.25" Hex Hd Cap	3
7991	Screw, .312-18 x 4" Hex Skt Hd Cap	3
8472	Housing - HD100	1
8967	O-Ring -231, Special	1
10083	Retainer Assembly - HD100	1
10086	Flange Assembly, Nelson	1
10087	Spacer Assembly - HD100	1
10088-001	Flange Assembly, 2" FNPT	1
10088-002	Flange Assembly, 2.5" FNPT	1
10088-003	Flange Assembly, 2" FBSP	1
10088-006	Flange Assembly, 1.5" FNPT	1
10088-007	Flange Assembly, 1.5" FBSP	1
10094	Flange Assembly, Metric	1
10137-001	Flange Assembly, ANSI/DIN	1
10342	O-Ring, -225	1

MOUNTING HARDWARE

part number	description	qty.
7000	Gasket, Flange	1
7039	Screw, .312-18 x .75" Hex Skt Hd Cap	6
10149	Gasket, Metric Flange	1

FLANGE GASKET AND FASTENERS FOR MOUNTING GUN



June 15, 2006

WARRANTY AND DISCLAIMER: Nelson Big Gun sprinklers are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and under normal use and service. The manufacturer assumes no responsibility for installation, is limited solely to replacement or repair of defective parts, and the manufacturer will not be liable for any crops or other consequential damages resulting from any defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provision of the warranty, nor to make any representations or warranty not contained herein.

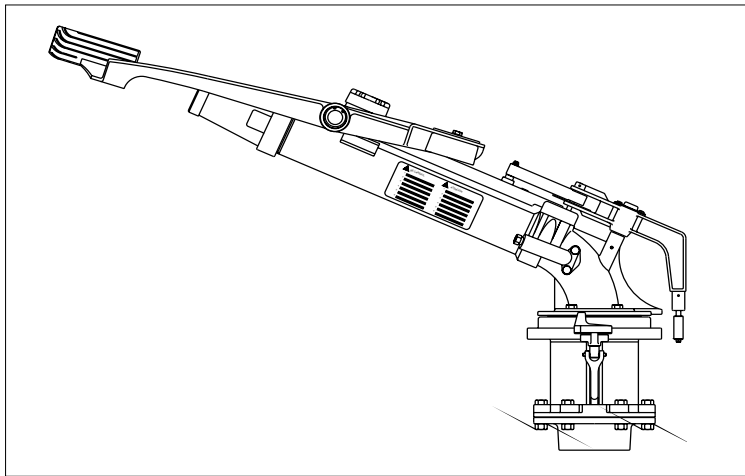
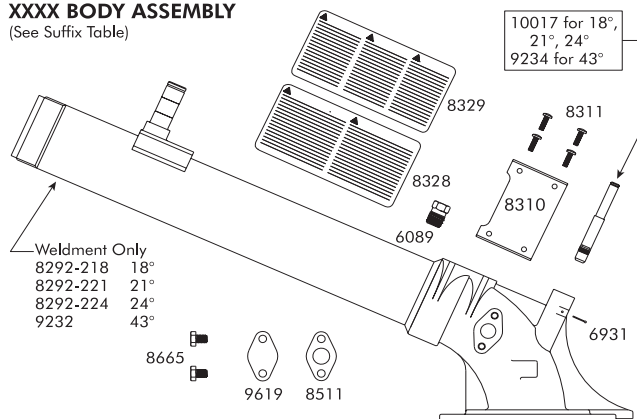
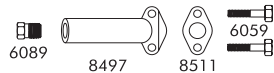
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NELSON**SR100 BIG GUN®****SR100 BIG GUN® PARTS LIST****XXXX BODY ASSEMBLY**
(See Suffix Table)**Optional Secondary Nozzle Components****Body Assy Suffix Table**

8312-018	Body Assy, 18°
8312-021	Body Assy, 21°
8312-024	Body Assy, 24°
9233	Body Assy, 43°

XXXX

part number

part number	description	qty.
6089	3RN Plug	1
6580	Insert, Rest Pad	1
6931	Pin, Coiled Spring, .125" x .75"	1
8292-218	Tube & Elbow Assy, 18° — SR100	1
8292-221	Tube & Elbow Assy, 21° — SR100	1
8292-224	Tube & Elbow Assy, 24° — SR100	1
8310	Stop, Shifter — SR100	1
8311	Screw, #8-32 x .375" Self Tapping Pan Hd.	4
8328	Label, Warning — English, Spanish	1
8329	Label, Warning — German, French, Swedish	1
8511	Gasket	1
8665	Screw, 1/4-20 x .375" Hex Hd. Cap	2
9232	Tube & Elbow Assy, 43° — SR100	1
9234	Shaft, Trip Lever — SR100 43°	1
9619	Cover Plate, Sec. Elbow Port	1
10017	Shaft, Trip Lever — SR100 18°, 21°, 24°	1

OPTIONAL SECONDARY NOZZLE COMPONENTS

6059	Screw, .25-20 x 1.25" Hex Hd Cap	2
6089	3RN Plug	1
8497	Elbow, Secondary Nozzle	1
8511	Gasket	1

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8325

part number	description	qty.
6045-001	Ring, Retaining, -156 Basic Internal Coated	1
6048	Seal, Oil	1
6054	Bearing, Ball, 17 x 40 x 12mm	2
7029	Washer, .312" Spring Lock	1
8129-003	Lever, Shift — SR100	1
8139	Bumper	1
8326	Spacer, Shift Lever — SR100	1
9991	Pin, Shift, Hex Drive — SR100	1

SHIFT LEVER ASSEMBLY



10070-001 (includes 8272)

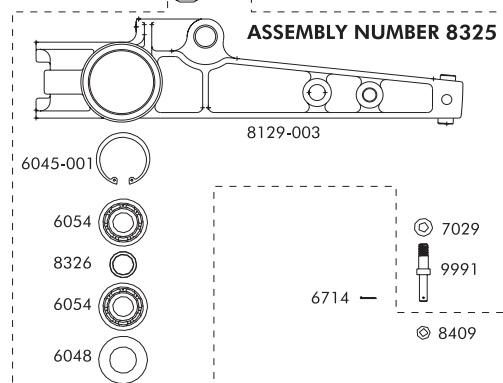


8272

8323-017

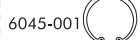


8139



ASSEMBLY NUMBER 8325

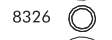
8129-003



6045-001



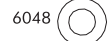
6054



8326



6054



6048

7029

9991

6714

8409



8311

8263

8265

8323-004

8320

8193

8417

8283

8196

8282

8336

8321

8281

8321

8317

XXXX TRIP LEVER ASSEMBLY

8319 for 18°, 21°, 24°
9231 for 43°

8262-003 for
18°, 21°, 24°
9203 for 43°

8277

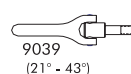
6714

8409

XXXX

part number	description	qty.
6714	Pin, Cotter, .062" x .50"	1
8193	Pin, Stop — SR100	1
8281	Spacer, Trip Lever — SR100	1
8262-003	Lever, Trip — SR100 18°, 21°, 24°	1
8277	Roller, Trip — SR100	1
8282	Follower, Trip Spring	1
8317	Seal, Oil	1
8320	Pin, Coiled Spring, .094" x .50"	1
8321	Bearing, Ball, 8 x 22 x 7mm	2
8336	Washer, Spring Guide — SR100	1
8409	Washer, Trip Roller — SR100	1
9203	Lever, Trip — SR100 43°	1

TRIP LEVER ASSEMBLY



9039
(21° - 43°)



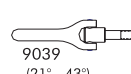
6134
(18°)



6634



8198



9039
(21° - 43°)



6134
(18°)



6634



8199

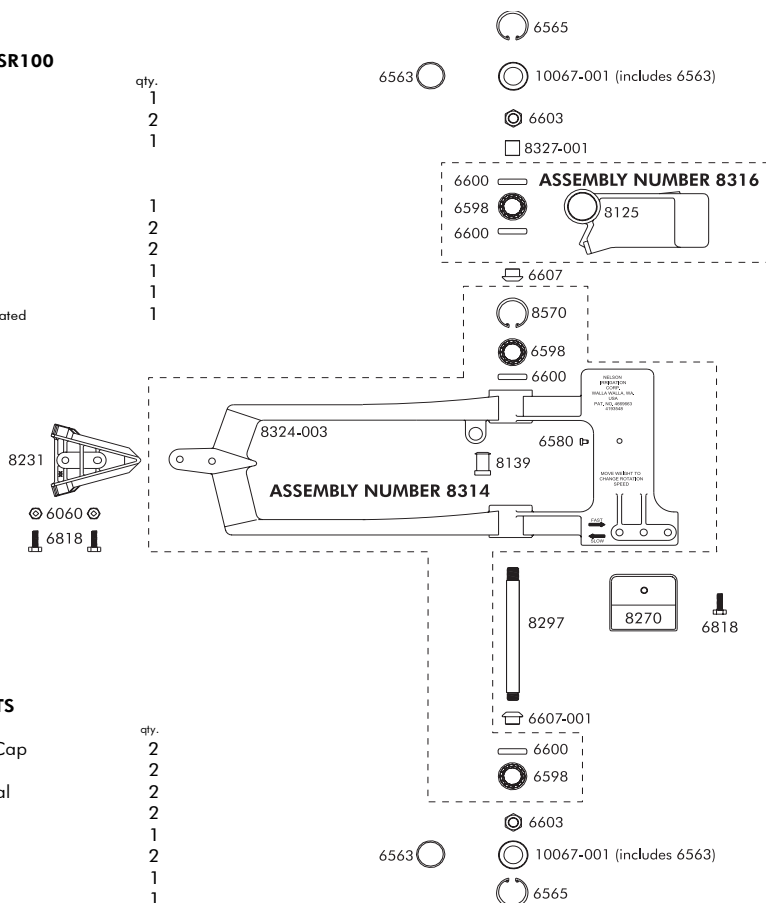
June 15, 2006

8316 COUNTERWEIGHT ASSEMBLY, SR100

part number	description	qty.
6598	Bearing, Ball, 12 x 32 x 10mm	1
6600	Seal, Oil	2
8125	Counterweight — SR100	1

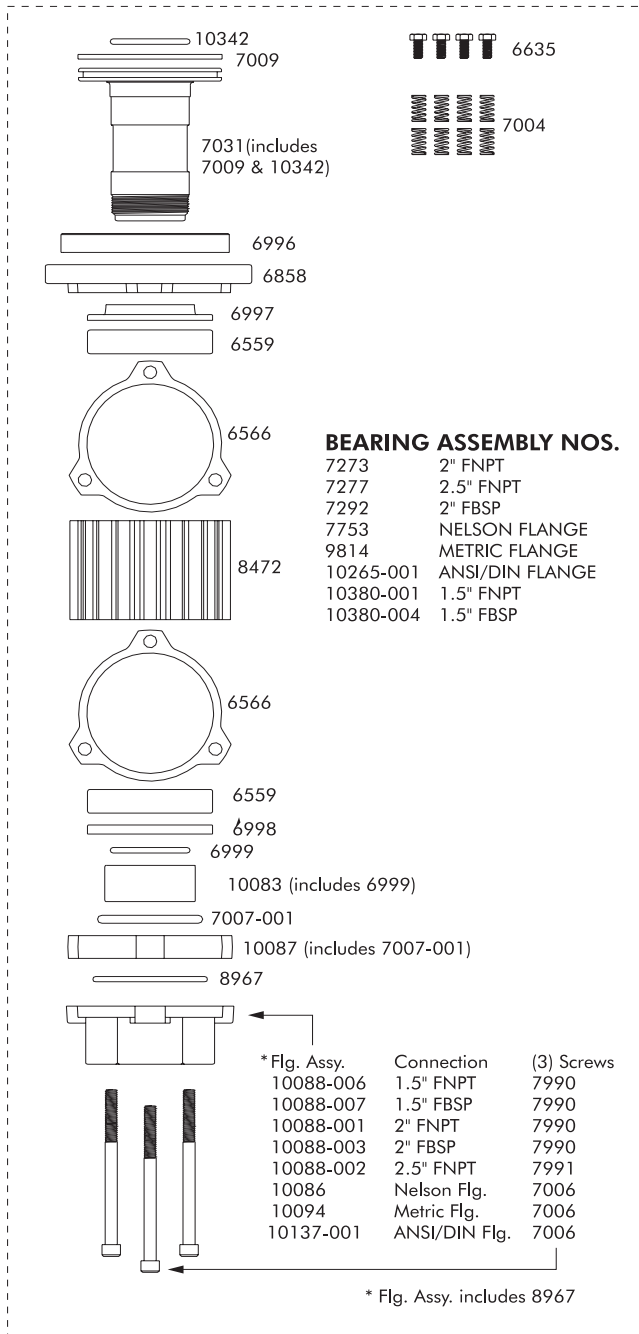
8314 DRIVE ARM ASSEMBLY, SR100

part number	description	qty.
6580	Insert, Rest Pad	1
6598	Bearing, Ball, 12 x 32 x 10mm	2
6600	Seal, Oil	2
8139	Bumper	1
8234-003	Arm, Drive — SR100	1
8570	Ring, Retaining, -125 Basic Internal, Coated	1



FINAL ASSEMBLY COMPONENTS

part number	description	qty.
6134	Screw, .312-18 x 1.00", Hex Hd Cap	2
6563	O-Ring, -024	2
6565	Ring, Retaining, -125 Basic Internal	2
6603	Nut, .438-20 Special	2
6607	Spacer, Brkt. to Cwt — F100	1
6634	Clamp - SR100	2
6714	Pin, Cotter, .062" x .50"	1
8196	Guide, Spring — SR100	1
8198	Stop, CCW — SR100	1
8199	Stop, CW — SR100	1
8263	Cap, Trip Lever — SR100	1
8265	Gasket, Trip Lever Cap — SR100	1
8272	Gasket, Shift Lever Cap — SR100	1
8283	Spring, Trip — SR100	1
8297	Shaft, Drive Arm — SR100	1
8311	Screw, #8-32 x .375", Self-Tapping Pan Head	4
8323-004	Ring, Retaining, -31 Basic External	1
8323-017	Ring, Retaining, -66 Basic External	1
8327-001	Spacer, Drive Arm to Cwt	1
8409	Washer, Roller — SR100	1
8417	Stop, Trip Spring	1
9039	Flex Handle Assembly	2
10067-001	Cap Assy, Arm Bearing — SR100	2



BEARING ASSEMBLY NOS.

7273	2" FNPT
7277	2.5" FNPT
7292	2" FBSP
7753	NELSON FLANGE
9814	METRIC FLANGE
10265-001	ANSI/DIN FLANGE
10380-001	1.5" FNPT
10380-004	1.5" FBSP

BEARING ASSEMBLY HD 100

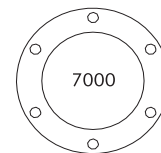
part number	description	qty.
6559	Bearing, Ball, 50 x 80 x 16mm	2
6566	Gasket, Housing - HD100	2
6635	Screw, 5/16-18 x 11/16" Hex Hd. Cap	4
6858	Cover, Part Circle - HD100	1
6996	Ring, Brake - HD100	1
6997	Seal, Upper - HD100	1
6998	Seal, Center - HD100	1
6999	O-Ring, -224	1
7004	Spring, Brake - HD100	8
7006	Screw, .312-18 x 3.50" Hex Skt Hd Cap	3
7007-001	O-Ring, -331, Special w/ Grease & Graphite	1
7009	Seal, Dust - HD100	1
7031	Shaft Assembly - HD100	1
7990	Screw, .312-18 x 4.25" Hex Hd Cap	3
7991	Screw, .312-18 x 4" Hex Skt Hd Cap	3
8472	Housing - HD100	1
8967	O-Ring -231, Special	1
10083	Retainer Assembly - HD100	1
10086	Flange Assembly, Nelson	1
10087	Spacer Assembly - HD100	1
10088-001	Flange Assembly, 2" FNPT	1
10088-002	Flange Assembly, 2.5" FNPT	1
10088-003	Flange Assembly, 2" FBSP	1
10088-006	Flange Assembly, 1.5" FNPT	1
10088-007	Flange Assembly, 1.5" FBSP	1
10094	Flange Assembly, Metric	1
10137-001	Flange Assembly, ANSI/DIN	1
10342	O-Ring, -225	1

MOUNTING HARDWARE

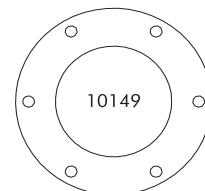
part number	description	qty.
7000	Gasket, Flange	1
7039	Screw, .312-18 x .75" Hex Skt Hd Cap	6
10149	Gasket, Metric Flange	1

FLANGE GASKET AND FASTENERS FOR MOUNTING GUN

NELSON FLG. CONN.



METRIC FLG. CONN.



WARRANTY AND DISCLAIMER

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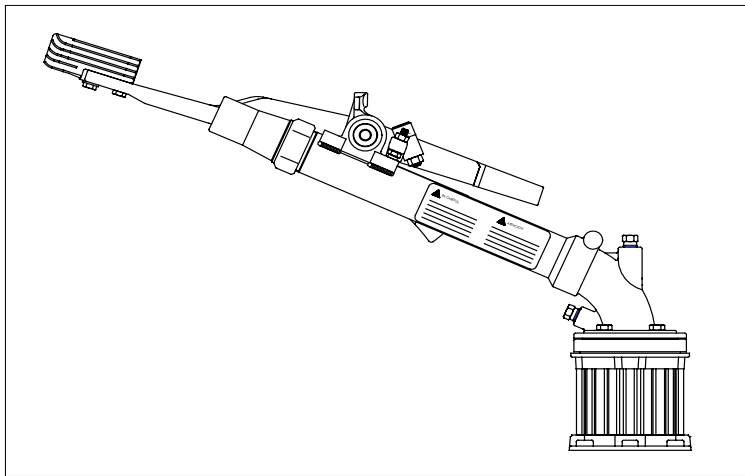
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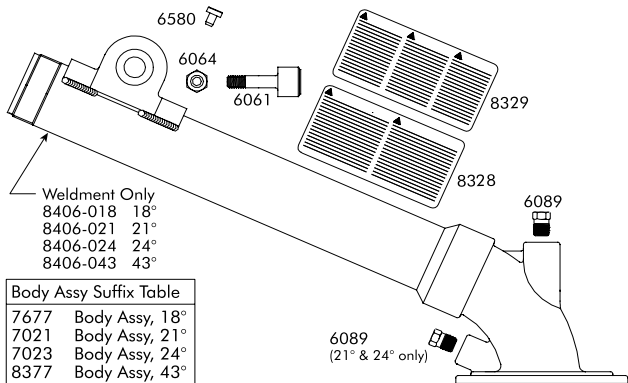
NELSON

F100 BIG GUN®

F100 BIG GUN® PARTS LIST



XXXX BODY ASSEMBLY (See Suffix Table)



XXXX

part number

description

6061

Bumper Assembly

6064

Nut, 5/16-18 Finished Hex

6089

3RN Plug

6580

Insert, Rest Pad

8328

Label, Warning — English, Spanish

8329

Label, Warning — German, French, Swedish

8406-018

Tube & Elbow Assembly, 18° — F100

8406-021

Tube & Elbow Assembly, 21° — F100

8406-024

Tube & Elbow Assembly, 24° — F100

8406-043

Tube & Elbow Assembly, 43° — F100

BODY ASSEMBLY, F100

description

qty.

1

1

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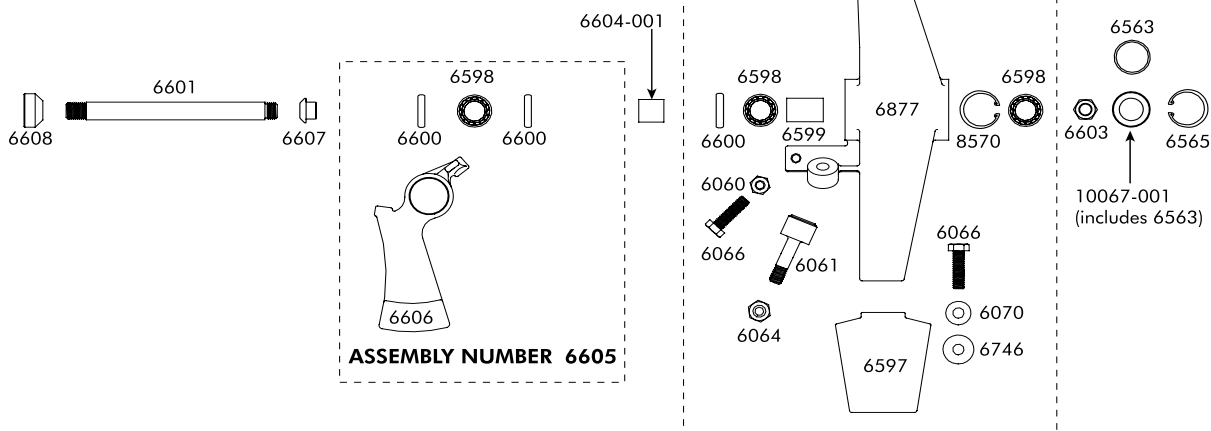
Toll Free: 800-246-3685

Phone: 402-246-3685

Fax: 402-246-2072

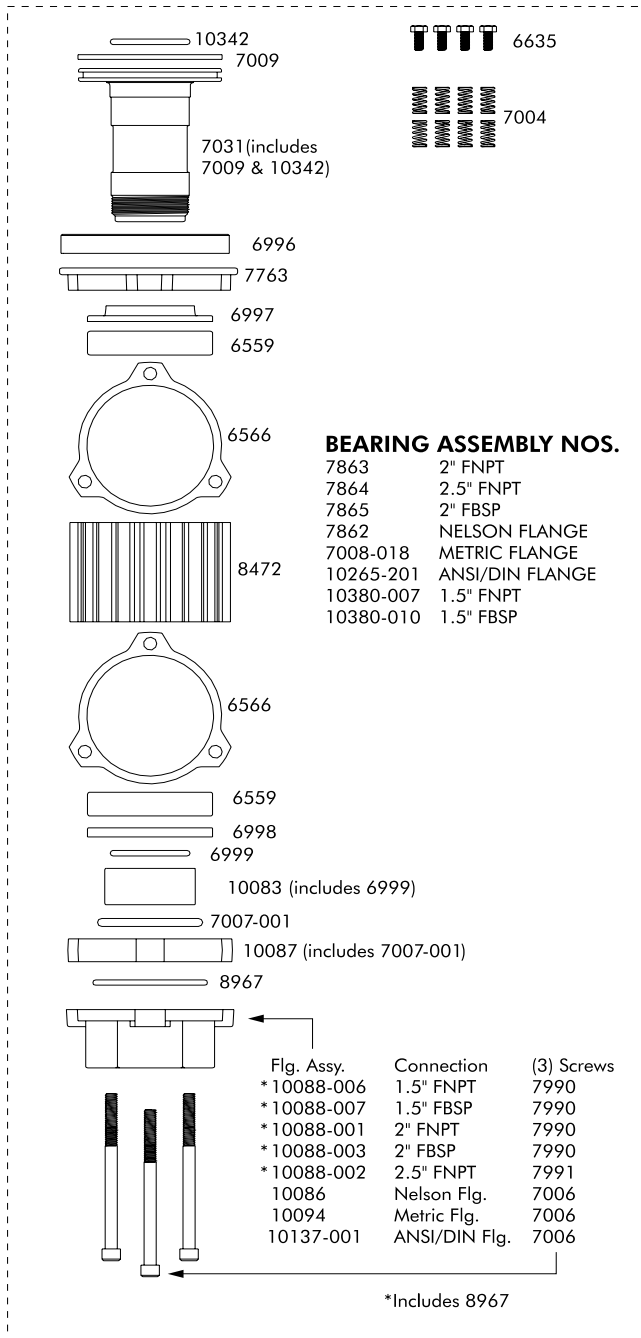
6967	DRIVE ARM ASSEMBLY, F100	
6060	Nut, .25-20 Finished Hex	1
6061	Bumper Assembly	1
6064	Nut, 5/16-18 Finished Hex	1
6066	Screw, .25-20 x 1.00" Hex Head Cap	2
6070	Washer, .25" Plain — .281 x .625 x .065	2
6597	Weight, Drive Arm — F100	1
6598	Bearing, Ball, 12 x 32 x 10mm	2
6599	Spacer, Arm Bearing — F100	1
6600	Seal, Oil	1
6746	Washer, Drive Arm Weight — F100	1
6808	Spoon, Drive — F100	1
6818	Screw, .25-20 x .75" Hex Head Cap	2
6877	Arm, Drive — F100	1
8570	Ring, Retaining, -125 Basic Internal, Coated	1

6605	COUNTERWEIGHT ASSEMBLY, F100	
part number	description	qty.
6598	Bearing, Ball, 12 x 32 x 10mm	1
6600	Seal, Oil	2
6606	Counterweight — F100	1



10021-001	FINAL ASSEMBLY COMPONENTS	
part number	description	qty.
6563	O-Ring, -024	1
6565	Ring, Retaining, -125 Basic Int	1
6601	Shaft, Drive Arm — F100	1
6603	Nut, 7/16-20 Special	1
6604-001	Spacer, Arm to Cwt — F100	1
6607	Spacer, Brkt to Cwt — F100	1
6608	Nut, .438-20 Centering — F100	1
10067-001	Cap Assy, Arm Bearing — SR100	1

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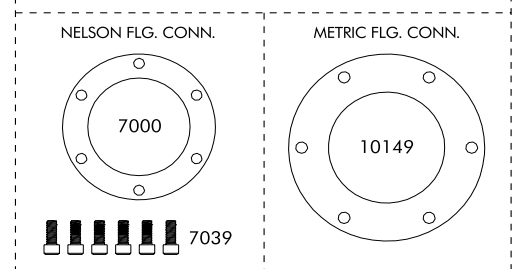
BEARING ASSEMBLY HD 100

part number	description	qty.
6559	Bearing, Ball, 50 x 80 x 16mm	2
6566	Gasket, Housing - HD100	2
6635	Screw, .3125 -18 x .688" Hex Hd Cap	4
6996	Ring, Brake - HD100	1
6997	Seal, Upper - HD100	1
6998	Seal, Center - HD100	1
6999	O-Ring, -224	1
7004	Spring, Brake - HD100	8
7006	Screw, .312-18 x 3.50" Hex Skt Hd Cap	3
7007	O-Ring, -331, Special	1
7009	Seal, Dust - HD100	1
7031	Shaft Assembly - HD100	1
7763	Cover, Full Circle - HD100	1
7990	Screw, .312-18 x 4.25" Hex Hd Cap	3
7991	Screw, .312-18 x 4" Hex Skt Hd Cap	3
8472	Housing - HD100	1
8967	O-Ring -231, Special	1
10083	Retainer Assembly - HD100	1
10086	Flange Assembly, Nelson	1
10087	Spacer Assembly - HD100	1
10088-001	Flange Assembly, 2" FNPT	1
10088-002	Flange Assembly, 2.5" FNPT	1
10088-003	Flange Assembly, 2" FBSP	1
10088-006	Flange Assembly, 1.5" FNPT	1
10088-007	Flange Assembly, 1.5" FBSP	1
10094	Flange Assembly, Metric	1
10137-001	Flange Assembly, ANSI/DIN	1
10342	O-Ring, -225	1

MOUNTING HARDWARE

part number	description	qty.
7000	Gasket, Flange	1
7039	Screw, .312-18 x .75" Hex Skt Hd Cap	6
10149	Gasket, Metric Flange	1

FLANGE GASKET AND FASTENERS FOR MOUNTING GUN



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NELSON**SRNV100 BIG GUN®****SRNV100 BIG GUN® PARTS LIST****8334-XXX**

part number

BODY ASSEMBLY, SRNV100

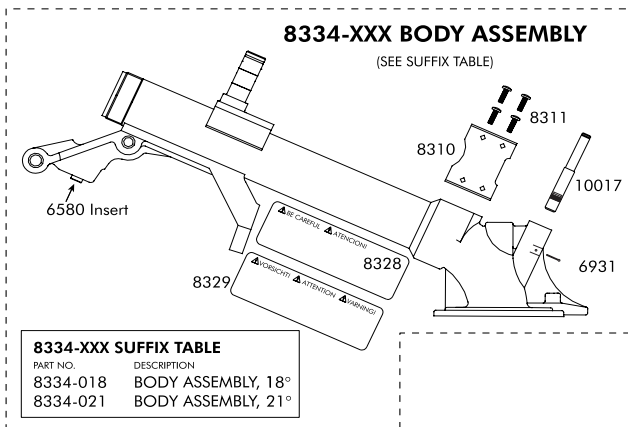
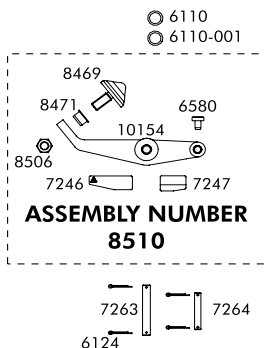
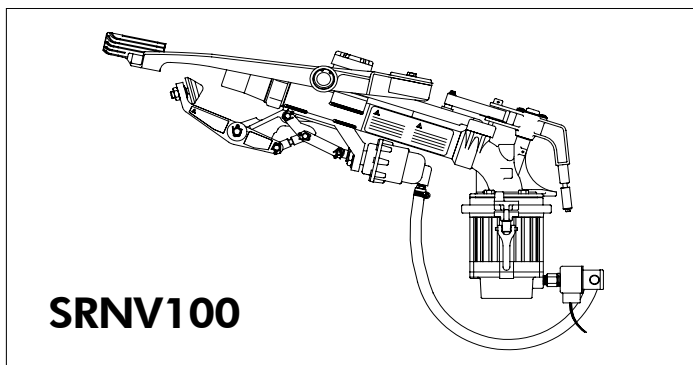
description

qty.

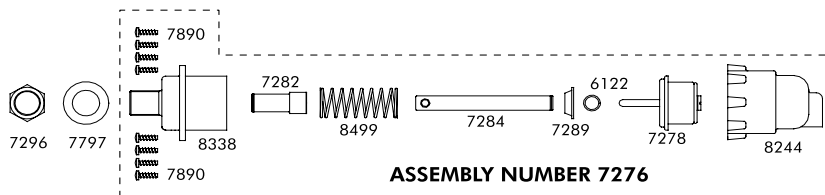
6580	Insert, Rest Pad	1
6931	Pin, Coiled Spring, .125" x .75"	1
8310	Stop, Shifter — SR100	1
8311	Screw, #8-32 x .375" Self Tapping Pan Hd.	4
8274	Shaft, Trip Lever — SR100	1
8328	Label, Warning — English, Spanish	1
8329	Label, Warning — German, French, Swedish	1

8510**NOZZLE LEVER ASSEMBLY**

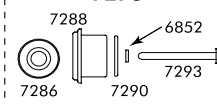
6850	Insert, Rest Pad	1
7246	Label, Warning Message — NV	1
7247	Label, Warning NV	1
8469	Seat Assembly, Valve — SRNV100	1
8471	Bushing, Threaded	1
8506	Nut, .438-14 Hex Jam	1
10154	Lever Subassembly, Nozzle	1

**8334-XXX SUFFIX TABLE**

PART NO.	DESCRIPTION
8334-018	BODY ASSEMBLY, 18°
8334-021	BODY ASSEMBLY, 21°

**7276****ACTUATOR ASSEMBLY**

part number	description	qty.
6122	Ring, Retaining, -50 Spiral Ext.	1
7278	Piston Assembly — NV100	1
7282	Bearing, Rod — NV100	1
7284	Rod, Actuator — NV100	1
7289	Guide, Spring — NV100	1
7890	Screw, #8-10 x .625" Thread Forming Pan Hd.	8
8244	Cap, End — NV100	1
8338	Cylinder, Actuator — NV100	1
8499	Spring, Actuator — NV100	1

ASSEMBLY NUMBER 7278**7278 PISTON ASSEMBLY**

6852	Washer, Piston Guide — NV100	1
7286	Piston — NV100	1
7288	Diaphragm, Actuator — NV100	1
7290	Retainer, Diaphragm — NV100	1
7293	Guide, Piston — NV100	1

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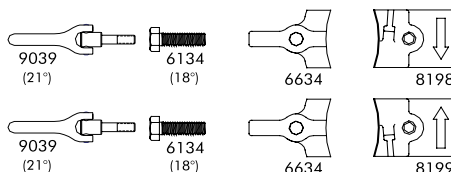
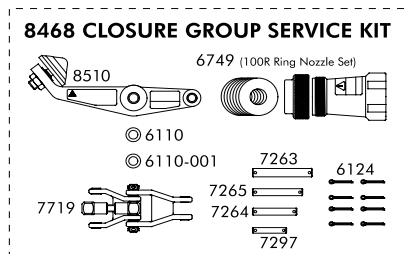
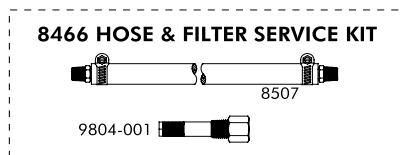
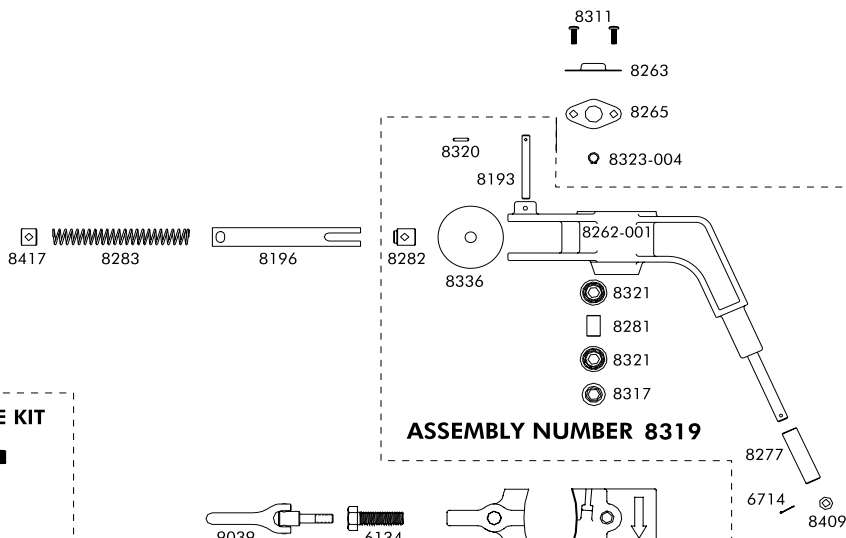
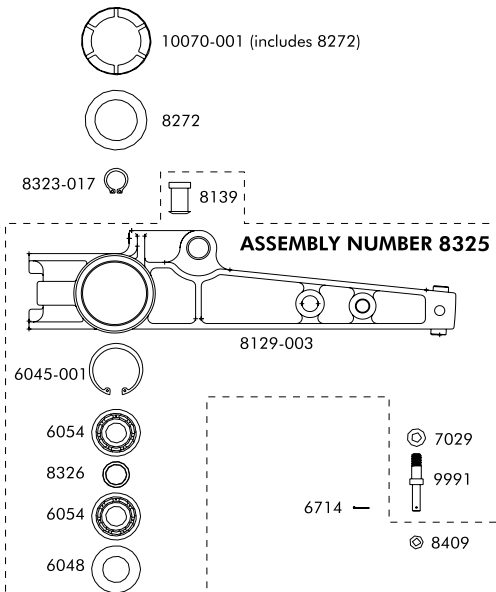
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Phone: 402-246-3685

Fax: 402-246-2072

8325	SHIFT LEVER ASSEMBLY	
part number	description	qty.
6045-001	Ring, Retaining, -156 Basic Internal Coated	1
6048	Seal, Oil	1
6054	Bearing, Ball, 17 x 40 x 12mm	2
7029	Washer, .312" Spring Lock	1
8129-003	Lever, Shift — SR100	1
8139	Bumper	1
8326	Spacer, Shift Lever — SR100	1
9991	Pin, Shift, Hex Drive — SR100	1

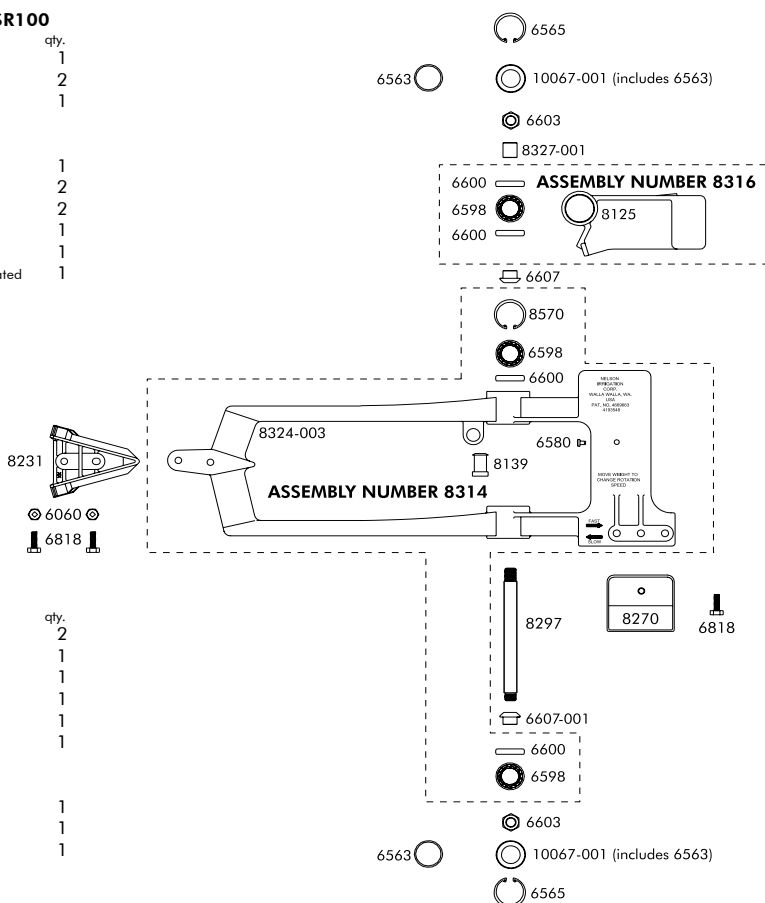
8319	TRIP LEVER ASSEMBLY	
part number	description	qty.
6714	Pin, Cotter, .062" x .50"	1
8193	Pin, Stop — SR100	1
8281	Spacer, Trip Lever — SR100	1
8262-003	Lever, Trip — SR100	1
8277	Roller, Trip — SR100	1
8282	Follower, Trip Spring	1
8317	Seal, Oil	1
8320	Pin, Coiled Spring, .094" x .50"	1
8321	Bearing, Ball, 8 x 22 x 7mm	2
8336	Washer, Spring Guide — SR100	1
8409	Washer, Trip Roller — SR100	1



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8316 COUNTERWEIGHT ASSEMBLY, SR100
 part number description qty.
 6598 Bearing, Ball, 12 x 32 x 10mm 1
 6600 Seal, Oil 2
 8125 Counterweight — SR100 1

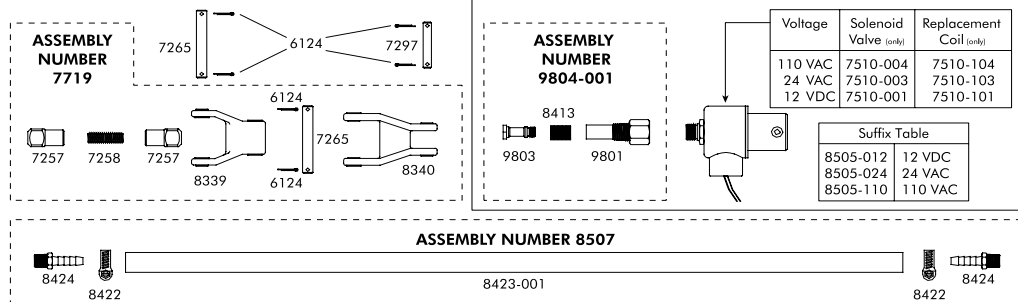
8314 DRIVE ARM ASSEMBLY, SR100
 6580 Insert, Rest Pad 1
 6598 Bearing, Ball, 12 x 32 x 10mm 2
 6600 Seal, Oil 2
 8139 Bumper 1
 8234-003 Arm, Drive — SR100 1
 8570 Ring, Retaining, -125 Basic Internal, Coated 1



7719 LINKAGE ASSEMBLY — NV100
 part number description qty.
 6124 Pin, Cotter, .094" x .75" 2
 7257 Link, Adjustable Toggle — NV100 1
 7258 Rod, Adjusting — NV100 1
 7265 Pin, Upper Toggle — NV100 1
 8339 Lever Assembly, Toggle — NV100 1
 8340 Link Assembly, Actuator — NV100 1

9804-001 FILTER ASSEMBLY, INTERNAL
 8413 Screen, Filter 1
 9801 Adapter, Internal Filter 1
 9803 Support, Screen 1

8507 HOSE ASSEMBLY — NV100
 8422 Clamp, Hose 2
 8423-001 Hose, .25" x 24" — NV100 1
 8424 Fitting, Hose Barb 2



8505-XXX VALVE GROUP — NV100
 7510-001 Solenoid, Valve, 12 VDC
 7510-003 Solenoid, Valve, 24 VAC
 7510-004 Solenoid Valve, 110 VAC
 9804-001 Filter Assembly, Internal

ASSEMBLY NUMBER 8505-XXX (See Suffix Table)
 (Includes Solenoid Valve and Filter Assembly)

ASSEMBLY NUMBER 9804-001

8413 9803 9801

Voltage	Solenoid Valve (only)	Replacement Coil (only)
110 VAC	7510-004	7510-104
24 VAC	7510-003	7510-103
12 VDC	7510-001	7510-101

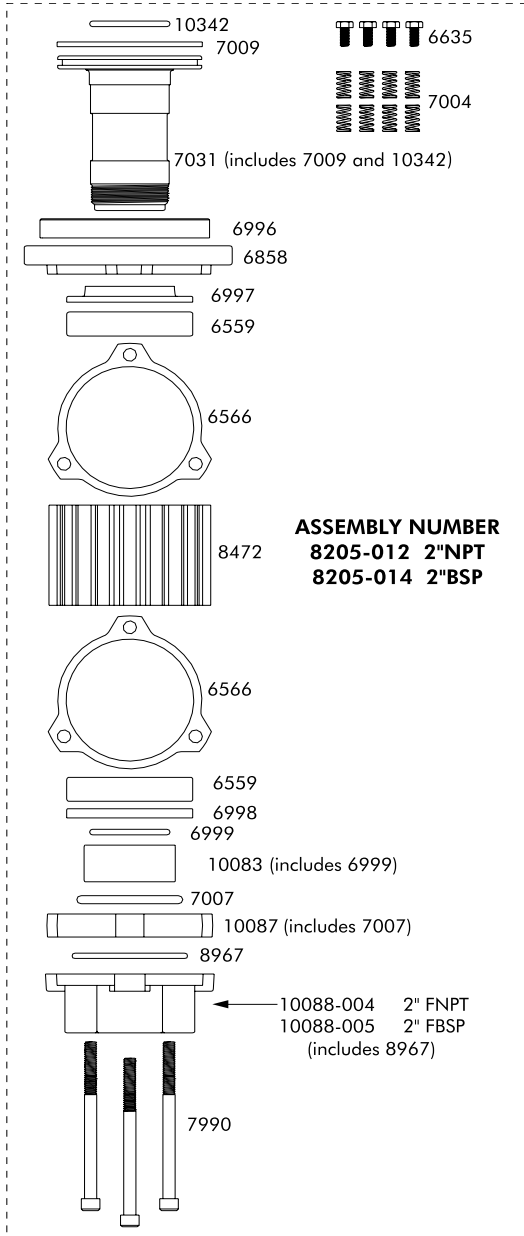
Suffix Table	
8505-012	12 VDC
8505-024	24 VAC
8505-110	110 VAC

ASSEMBLY NUMBER 8507

8424 8422 8423-001 8422 8424

8502 7795

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ASSEMBLY NUMBER
8205-012 2"NPT
8205-014 2"BSF

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BEARING ASSEMBLY HD100NV

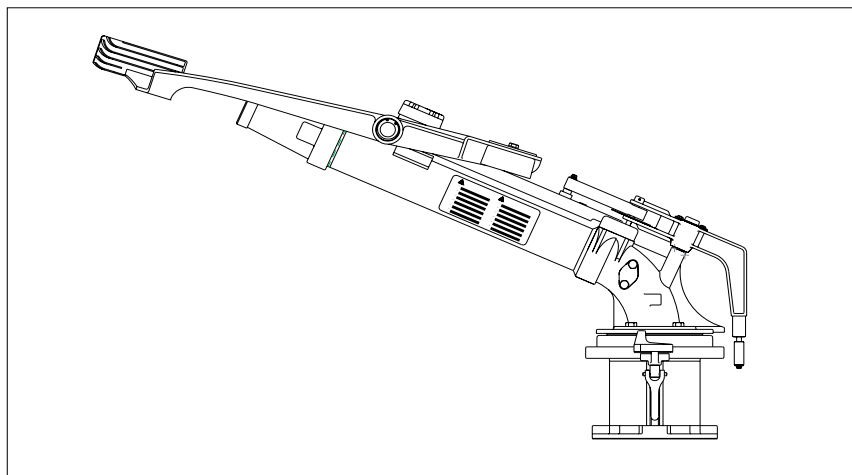
part number	description	qty.
6559	Bearing, Ball, 50 x 80 x 16mm	2
6566	Gasket, Housing — HD100	2
6635	Screw, .312-18 x .688" Hex Head Cap	4
6858	Cover, Part-Circle — HD100	1
6996	Ring, Brake — HD100	1
6997	Seal, Upper — HD100	1
6998	Seal, Center — HD100	1
6999	O-Ring, -224	1
7004	Spring, Brake — HD100	8
7007	O-Ring, -331 Special	1
7009	Seal, Dust — HD100	1
7031	Shaft Assembly — HD100	1
7990	Screw, .312-18 x 4.25" Hex Hd Cap	3
8472	Housing — HD100	1
8967	O-Ring, -231 Special	1
10083	Retainer Assembly — HD100	1
10087	Spacer Assembly — HD100	1
10088-004	Flange Assembly, 2" FNPT	1
10088-005	Flange Assembly, 2" FBSP	1
10342	O-Ring, -225	1

ASSEMBLY COMPONENT DESCRIPTIONS

part number	description	qty.
6060	Nut, .25-20 Finished Hex	2
6110	Washer, .375" Flat Thin	2
6110-001	Washer, .375" Flat Thick	2
6124	Pin, Cotter, .094" x .75"	8
6134	Screw, .312-18 x 1.00" Hex Head Cap	2
6563	O-Ring, -.024	2
6565	Ring, Retaining, -125 Basic Internal	2
6603	Nut, .438-20 Special	2
6607	Spacer, Bracket to Counterweight — F100	1
6607-001	Spacer, Drive Arm to Shift Lever — SR100	1
6634	Clamp — SR100	2
6714	Pin, Cotter, .062" x .50"	1
6818	Screw, .25-20 x .75" Hex Head Cap	3
7263	Pin, Pivot — NV100	1
7264	Pin, Lower Toggle — NV100	1
7265	Pin, Upper Toggle — NV100	1
7296	Nut, .875-16 Hex Jam Special — NV100	1
7297	Pin, Actuator — NV100	1
7795	Fitting, Elbow, .125 NPT x Hose Barb	1
7797	Washer, Actuator — NV100	1
8196	Guide, Spring — SR100	1
8198	Stop, CCW — SR100	1
8199	Stop, CW — SR100	1
8231	Vane, Drive — SR100	1
8263	Cap, Trip Lever — SR100	1
8265	Gasket, Trip Lever Cap — SR100	1
8270	Weight, Drive Arm — SR100	1
8272	Gasket, Shift Lever Cap — SR100	1
8283	Spring, Trip — SR100	1
8297	Shaft, Drive Arm — SR100	1
8311	Screw, #8-32 x .375" Self Tapping Pan Head	2
8323-004	Ring, Retaining, -31 Basic External	1
8323-017	Ring, Retaining, -66 Basic External	1
8327-001	Spacer, Drive Arm to Counterweight — SR100	1
8409	Washer, Trip Roller — SR100	1
8417	Stop, Trip Spring — SR100	1
8502	Bracket, Hose — NV100	1
8904	Washer, .25" Regular Spring Lock	1
9039	Handle Assembly, Flex	2
10067-001	Cap Assembly, Arm Bearing — SR100	2
10070-001	Cap Assembly, Shift Lever — SR100	1

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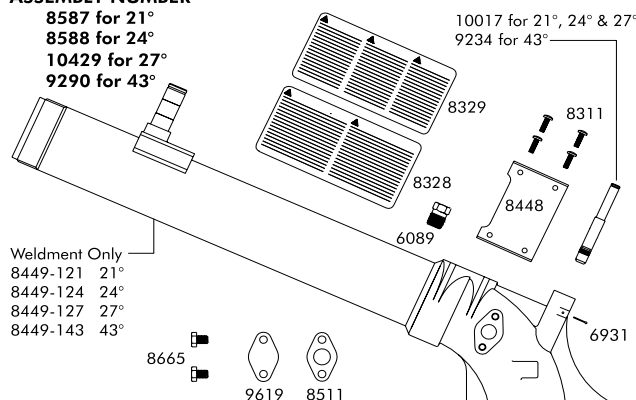
NELSON**SR150 BIG GUN®****SR150 BIG GUN® PARTS LIST****ASSEMBLY NUMBER**

8587 for 21°

8588 for 24°

10429 for 27°

9290 for 43°



Weldment Only

8449-121 21°

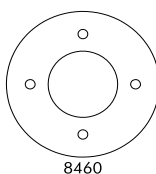
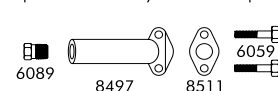
8449-124 24°

8449-127 27°

8449-143 43°

8665

9619 8511

Optional Secondary Nozzle Components**BODY ASSEMBLIES, SR150**

part number	description	qty.
10017	Shaft, Trip Lever — SR150 21°, 24°, 27°	1
6089	3RN Plug	1
6931	Pin, Coiled Spring, .125 x .75"	1
8311	Screw, #8-32 x .375"	1
	Self-Tapping Pan HD	1
8328	Label, Warning — English, Spanish	1
8329	Label, Warning — German, French, Swedish	1
8448	Bracket, Stop — SR150	1
8449-121	Tube & Elbow Assy, 21° — SR150	1
8449-124	Tube & Elbow Assy, 24° — SR150	1
8449-127	Tube & Elbow Assy, 27° — SR150	1
8460	Gasket, Elbow — SR150	1
8511	Gasket, Sec Noz Elbow — SR150	1
8665	Screw, .25-.20 x .375" Hex HD Cap	1
9234	Shaft, Trip Lever — SR150 43°	1
9289	Tube & Elbow Assy, 43° — SR150	1
9619	Plate, Cover — Secondary Elbow Port	1

OPTIONAL SECONDARY NOZZLE COMPONENTS

6059	Screw, .25-20 x 1.25" Hex Hd Cap	2
6089	3RN Plug	1
8497	Elbow, Secondary Nozzle	1
8511	Gasket	1

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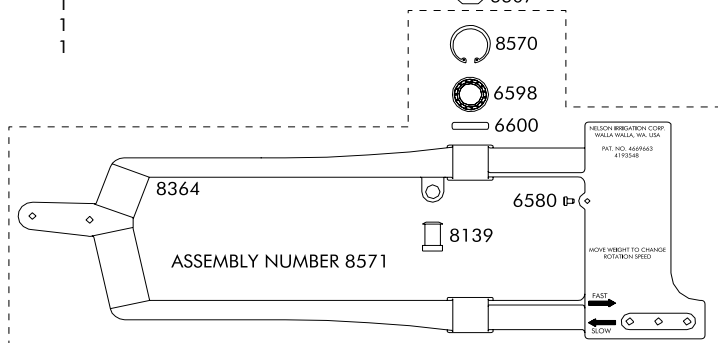
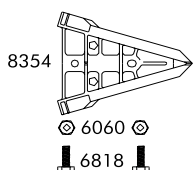
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Fax: 402-246-2072

8316	COUNTERWEIGHT ASSEMBLY, SR100	
part number	description	qty.
6598	Bearing, Ball	1
6600	Seal, Oil	2
8125	Counterweight — SR100	1

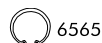
8571	DRIVE ARM ASSEMBLY, SR150	
6580	Insert, Rest Pad	1
6598	Bearing, Ball	2
6600	Seal	2
8139	Bumper	1
8364	Arm, Drive	1
8570	Ring, Retaining — Internal	1



FINAL ASSEMBLY COMPONENTS, SR150

6060	Nut, .25-20	2
6371	Clamp — SR150	2
6565	Ring, Retaining, -125 Basic Internal	2
6603	Nut, .438-20 Special	2
6607	Spacer — BRKT to CWT — F100	1
6607-001	Spacer, Coated — BRKT to Drive Arm	1
6714	Pin, Cotter, .062 x .50"	1
6818	Screw, .25-20 x .75" Hex HD Cap	3
8263	Cap, Trip Lever — SR100	1
8265	Gasket, Trip Lever Cap — SR100	1
8311	Screw, #8-32 x .375"	
	Self-Tapping Pan HD	2
8323-004	Ring, Retaining, -31, Basic External	1
8323-017	Ring, Retaining, -66, Basic External	1
8327-001	Spacer, Coated — Drive Arm to CWT	1
8354	Vane, Drive — SR150	1
8408	Screw, .312-18 x .875" Hex HD Cap	4
8409	Washer — SR100 Roller	1
8417	Stop, Trip Spring	1
8431	Stop, CW — SR150	1
8432	Stop, CCW — SR150	1
8433	Weight, Drive Arm — SR150	1
8446	Guide, Spring — SR150	1
8465	Shaft, Drive Arm — SR150	1
8470	Spring, Trip	1
8904	Washer, Spring Lock, 1/4"	1
9039	Flex Handle Assembly	2
10067-001	Cap Assembly, Arm Bearing	2
10070-001	Cap Assembly, Shift Lever	1

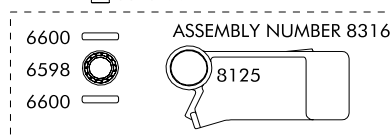
6563



10067-001 (includes 6563)

6603

8327-001

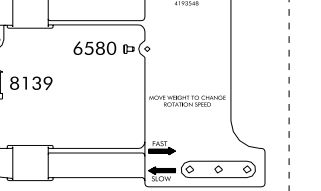


6607

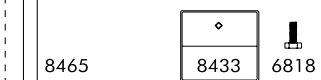
8570

6598

6600



8465



6607-001

6600

6598

6603

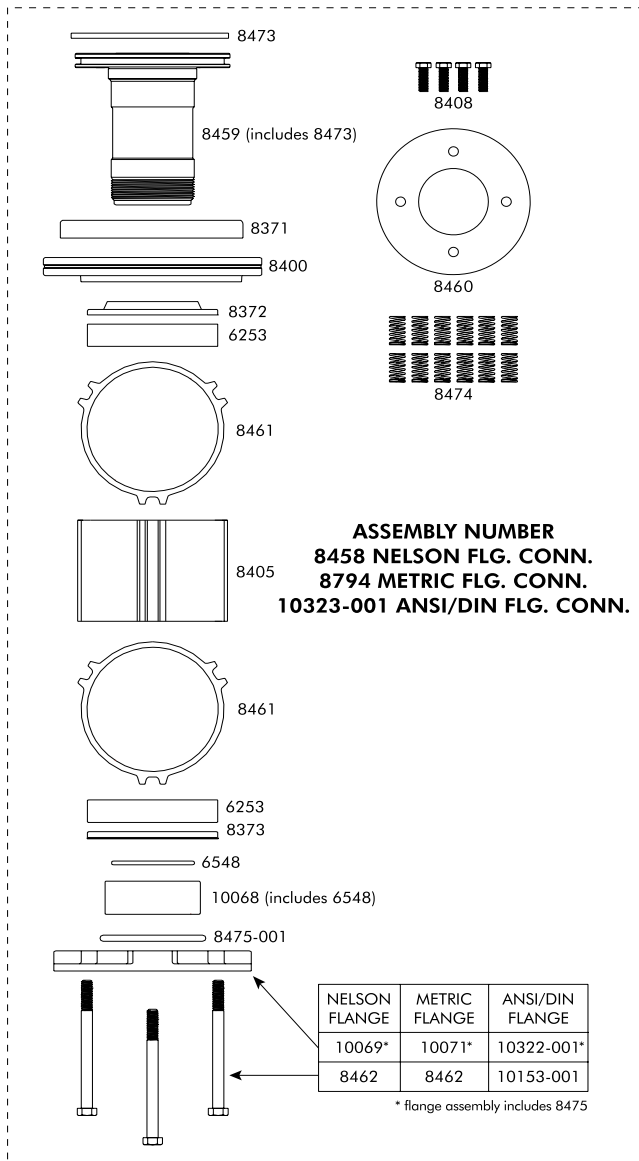
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10067-001 (includes 6563)



6565

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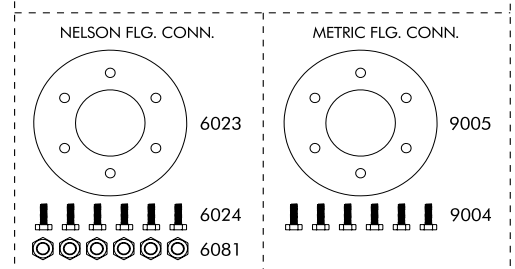
BEARING ASSEMBLY HD150

6253	Bearing, Ball	2
6548	O-Ring -230	1
8371	Brake	1
8372	Seal, Upper	1
8373	Seal, Center	1
8400	Cover	1
8405	Housing	1
8408	Screw, 5/16-18 x 7/8" Hex Hd Cap	4
8459	Stem Assembly	1
8460	Gasket, Elbow	1
8461	Gasket, Housing	2
8462	Screw, Hex Cap, 3/8-16 x 4 1/2" LG.	3
8473	Seal, Dust	1
8474	Spring, Brake	12
8475-001	O-Ring -338 w/ Grease & Graphite	1
10068	Retainer Assembly	1
10069	Nelson Flange Assy	1
10071	Metric Flange Assy	1
10153-001	Screw, 3/8-16 x 4.50" Hex Skt Hd Cap	3
10322-001	ANSI/DIN 3" Flange Assy	1

MOUNTING HARDWARE

6023	Gasket, Flange	1
6024	Bolt, 3/8-16 x 1 1/2" LG.	6
6081	Nut, 3/8-16	6
9004	Screw, M8 x 1.25 x 25 mm Hex Hd Cap	6
9005	Gasket, Metric Flange	1

FLANGE GASKET AND FASTENERS FOR GUN MOUNTING

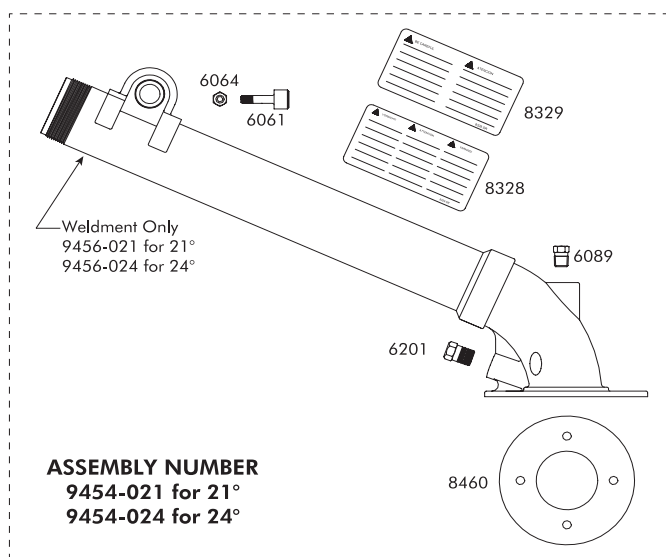
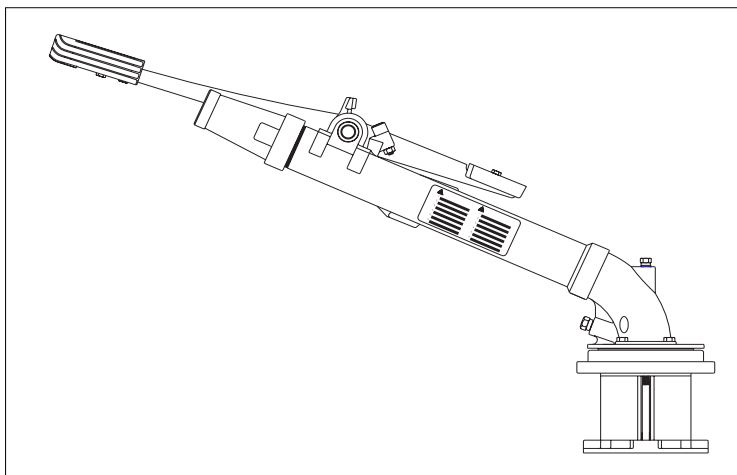


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June 15, 2006

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NELSON**F150 BIG GUN®****F150 BIG GUN® PARTS LIST**

9454-XXX	BODY ASSEMBLY, F150	
part number	description	qty.
6061	Bumper Assembly	1
6064	Nut, .3125-18 Finished Hex	1
6089	3RN Plug	1
6201	Plug	1
8328	Label, Warning — English, Spanish	1
8329	Label, Warning — French, German, Swedish	1
8460	Gasket, Elbow — SR150	1
9456-021	Tube & Elbow Assy, 21° — F150	1
9456-024	Tube & Elbow Assy, 24° — F150	1

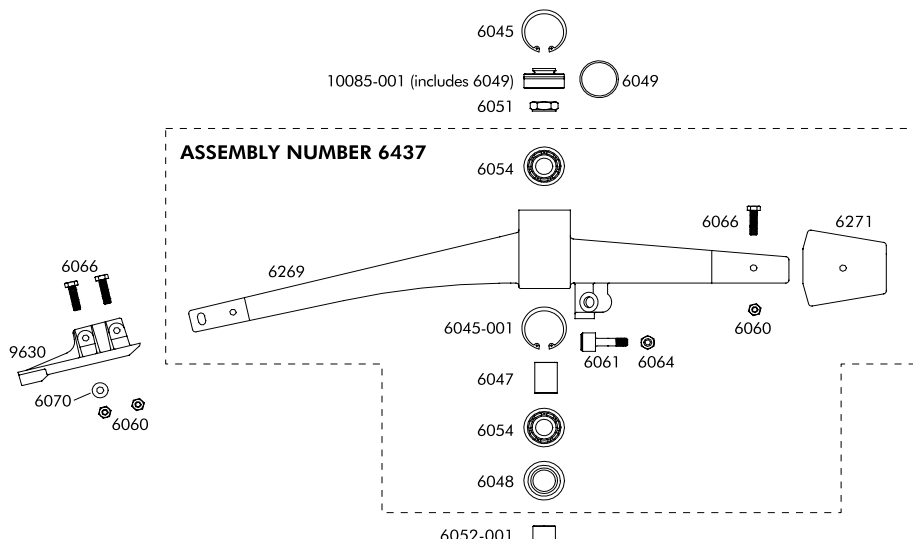
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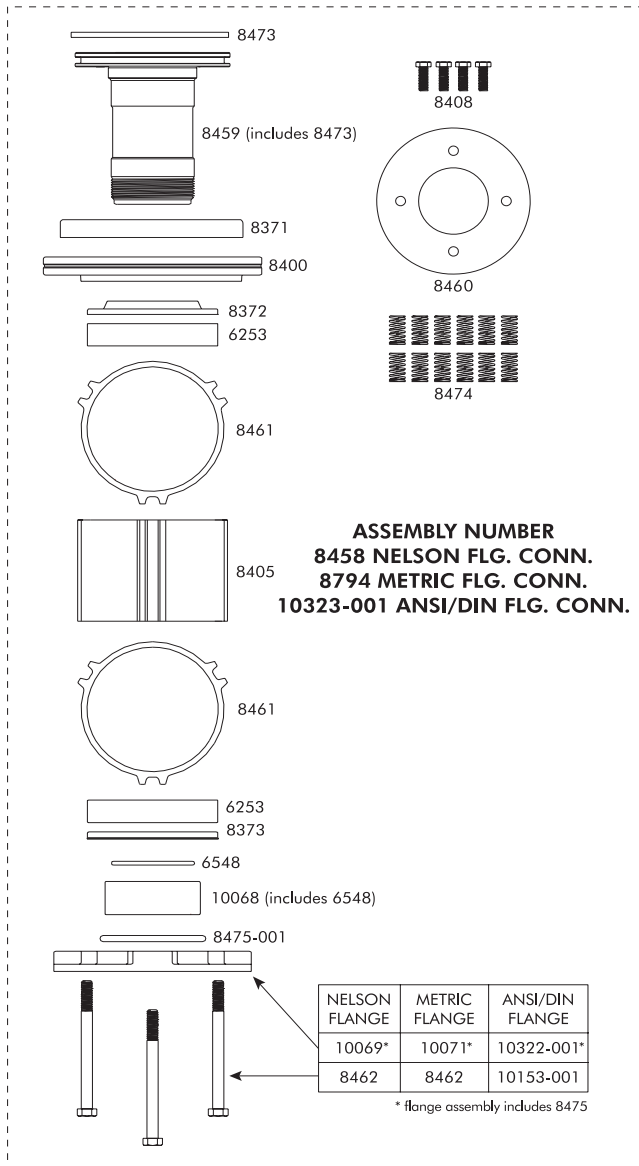
Fax: 402-246-2072



part number	description	qty.
6437	DRIVE ARM ASSEMBLY, F150	
6045-001	Ring, Retaining, -156 Basic Int, Phos Coated	1
6047	Spacer, Arm Bearing — F200	1
6048	Seal, Oil	1
6054	Bearing, Ball, 17 x 40 x 12 mm	2
6060	Nut, .25-20 Finished Hex	1
6061	Bumper Assembly	1
6064	Nut, .3125-18 Finished Hex	1
6066	Screw, .25-20 x 1.00" Hex Head Cap	1
6269	Arm, Drive — F150	1
6271	Weight, Drive Arm — F150	1

6358	COUNTERWEIGHT ASSEMBLY, F150	
6048	Seal, Oil	2
6054	Bearing, Ball, 17 x 40 x 12mm	1
6272	Counterweight — F150	1

	FINAL ASSEMBLY COMPONENTS, F150	
6045	Ring, Retaining, -156 Basic Internal	1
6051	Nut, .625-18 Special	1
6052-001	Spacer, Drive Arm to Counterweight — F200	1
6055	Spacer, Cwt to Brkt — F200	1
6056	Nut, .75-16 Centering — F150	1
6057	Shaft, Drive Arm — F150	1
6060	Nut, .25-20 Finished Hex	2
6066	Screw, .25-20 x 1.00" Hex Head Cap	2
6070	Washer, .25" Plain, .281 x .625 x .065	1
8408	Screw, .3125-18 x .875" Hex Head Cap	4
9630	Spoon, Drive — F150	1
10085-001	Cap Assy, Arm Bearing — SR200	1

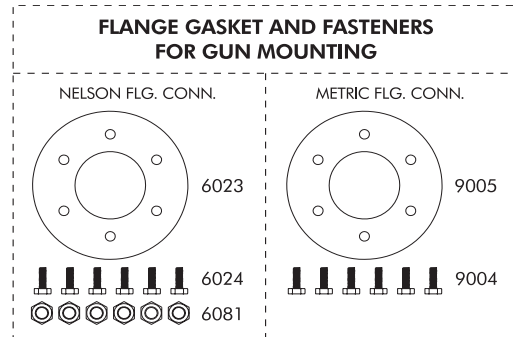


BEARING ASSEMBLY HD150

part number	description	qty.
6253	Bearing, Ball	2
6548	O-Ring -230	1
8371	Brake	1
8372	Seal, Upper	1
8373	Seal, Center	1
8400	Cover	1
8405	Housing	1
8408	Screw, 5/16-18 x 7/8" Hex Hd Cap	4
8459	Stem Assembly	1
8460	Gasket, Elbow	1
8461	Gasket, Housing	2
8462	Screw, Hex Cap, 3/8-16 x 4 1/2" LG.	3
8473	Seal, Dust	1
8474	Spring, Brake	12
8475-001	O-Ring -338 w/Grease & Graphite	1
10068	Retainer Assembly	1
10069	Nelson Flange Assy	1
10071	Metric Flange Assy	1
10153-001	Screw, 3/8-16 x 4.50" Hex Skt Hd Cap	3
10322-001	ANSI/DIN 3" Flange Assy	1

MOUNTING HARDWARE

6023	Gasket, Flange	1
6024	Bolt, 3/8-16 x 1 1/2" LG.	6
6081	Nut, 3/8-16	6
9004	Screw, M8 x 1.25 x 25 mm Hex Hd Cap	6
9005	Gasket, Metric Flange	1



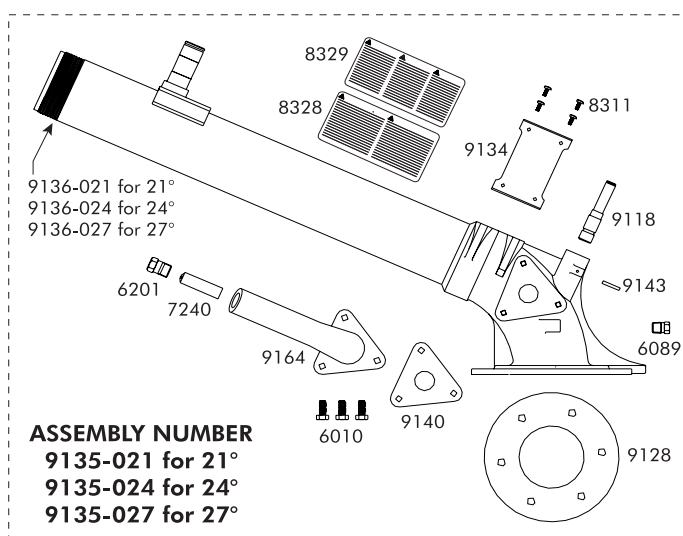
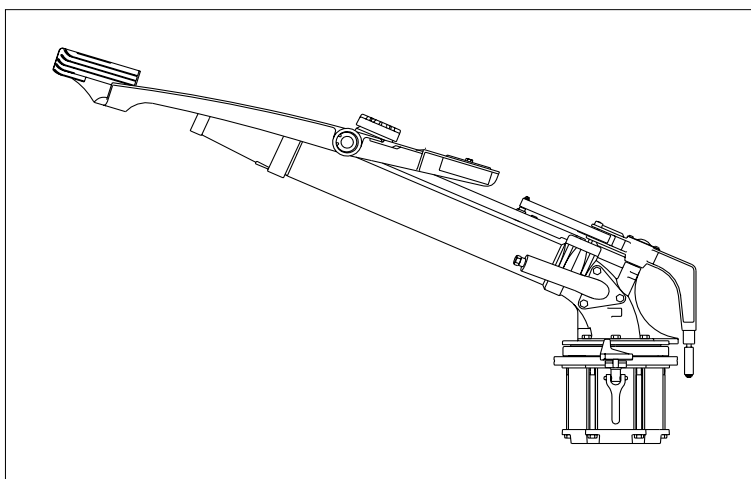
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June 15, 2006

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NELSON**SR200 BIG GUN®****SR200 BIG GUN® PARTS LIST**

9135-XXX	BODY ASSEMBLIES, 21°/24°/27° SR200	
part number	description	qty.
6010	Screw, 5/16-18 x 3/4"	3
6089	Plug, 3RN	1
6201	Plug, 7RN	1
7240	7V Vane	1
8311	Screw, #8-32 x .375"	
	Self-Tapping Pan Head	4
8328	Label, Warning — English, Spanish	1
8329	Label, Warning — German, Swedish	1
9118	Shaft, Trip Lever — SR200	1
9128	Gasket, Elbow — SR200	1
9134	Stop Bracket — SR200	1
9140	Gasket, Secondary Elbow — SR200	1
9143	Pin, Type E Grooved, .125 x .875"	1
9164	Elbow, Secondary — SR200	1
9136-021	Tube & Elbow Assembly, 21° — SR200	1
9136-024	Tube & Elbow Assembly, 24° — SR200	1
9136-027	Tube & Elbow Assembly, 27° — SR200	1

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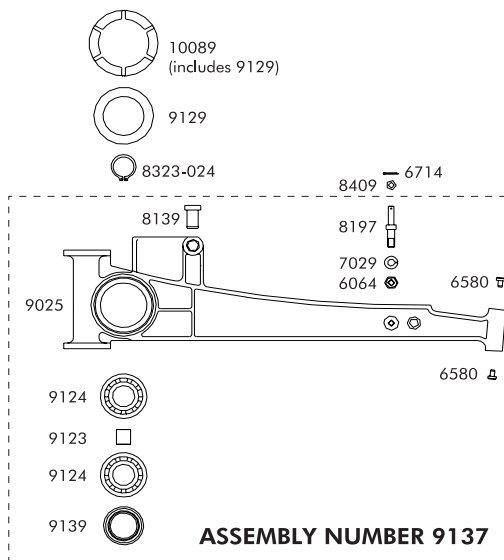
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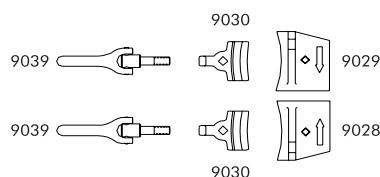
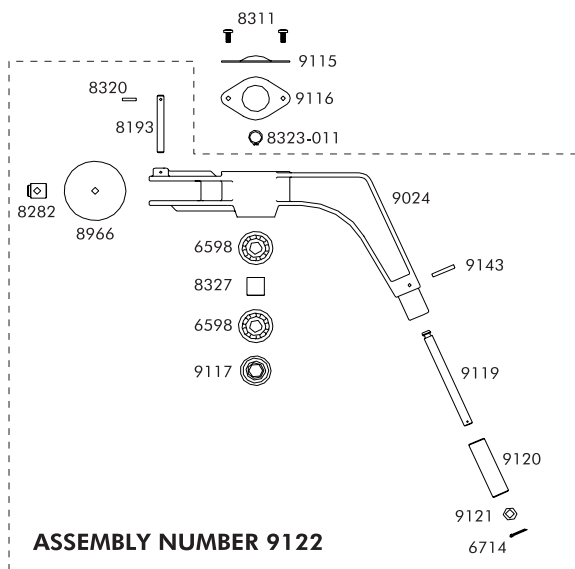
9137 SHIFT LEVER ASSEMBLY, SR200

part number	description	qty.
6064	Nut, 5/16-18	1
6580	Insert, Rest Pad	2
7029	Washer, 5/16" Spring Lock	1
8139	Bumper	1
8197	Pin, Shift — SR100	1
9025	Lever, Shift — SR200	1
9123	Spacer, Shift Lever — SR200	1
9124	Bearing, Ball	2
9139	Seal, Shift Lever — SR200	1



9122 TRIP LEVER ASSEMBLY, SR200

part number	description	qty.
6598	Bearing, Ball	2
6714	Pin, Cotter, .062 x .50"	1
8193	Pin, Stop — SR100	1
8282	Follower, Trip Spring — SR100	1
8320	Pin, Coiled Spring, .094 x .50"	1
8327	Spacer, Trip Lever — SR200	1
8966	Washer, Trip Lever — SR150	1
9024	Lever, Trip — SR200	1
9117	Seal, Trip Lever — SR200	1
9119	Shaft, Roller — SR200	1
9120	Roller, Trip — SR200	1
9121	Washer, Roller — SR200	1
9143	Pin, Type E Grooved, .125 x .875"	1



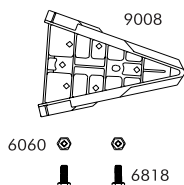
June 15, 2006

9133 COUNTERWEIGHT ASSEMBLY, SR200

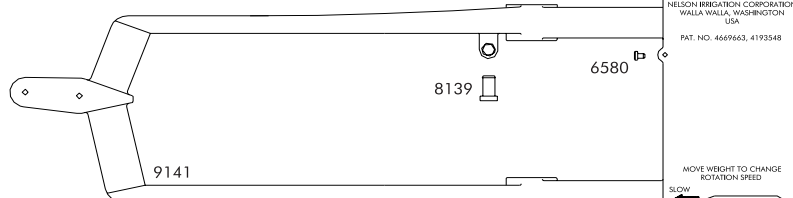
part number	description	qty.
6048	Seal	2
6054	Bearing, Ball	1
9132	Counterweight — SR200	1

9138 DRIVE ARM ASSEMBLY, SR200

6045-001	Ring, Retaining, -156 Basic Int., Phos. Coated	1
6048	Seal	2
6054	Bearing, Ball	2
6580	Insert, Rest Pad	1
8139	Bumper	1
9141	Arm, Drive — SR200	1



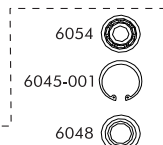
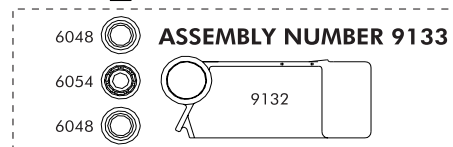
ASSEMBLY NUMBER 9138



FINAL ASSEMBLY COMPONENTS, SR200

part number	description	qty.
6045	Ring, Retaining, -156 Basic Internal	2
6049	O-Ring, -028	2
6051	Nut, .625-18 Special	2
6055	Spacer — CWT to Brkt — F200	1
6060	Nut, .25-20	2
6714	Pin, Cotter, .062 x .50"	1
6818	Screw, .25-20 x .75" Hex Head Cap	3
8311	Screw, #8-32 x .375", Self-Tapping Pan Head	2
8323-011	Ring, Retaining, -46 Basic Ext, Phos. Coated	1
8323-024	Ring, Retaining, -98 Basic External	1
8409	Washer, Trip Roller — SR100	1
8417	Stop, Trip Spring — SR100	1
8904	Washer, .25" Spring Lock	1
9008	Vane, Drive — SR200	1
9028	Stop, Clockwise — SR200	1
9029	Stop, Counterclockwise — SR200	1
9030	Clamp — SR200	2
9039	Flex-Handle Assembly	2
9097	Spacer, Drive Arm to CWT — SR200	1
9104	Weight, Arm — SR200	1
9115	Cap, Trip Lever — SR200	1
9116	Gasket, Trip Lever Cap — SR200	1
9129	Gasket, Shift Lever Cap — SR200	1
9131	Shaft, Drive Arm — SR200	1
9142	Guide, Spring — SR200	1
9175	Spring, Trip — SR200	1
9440	Spacer, Drive Arm to Shift Arm — SR200	1
10085-001	Cap Assembly, Arm Bearing — SR200	2
10089	Cap Assembly, Shift Lever — SR200	1

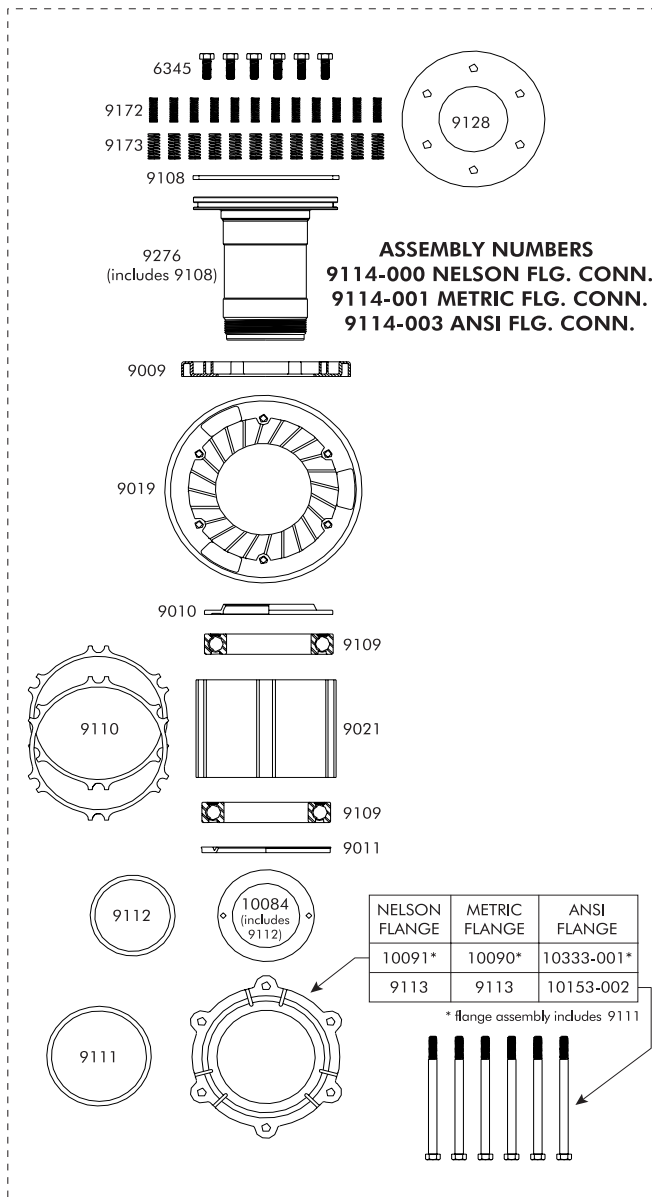
6045
10085-001 (includes 6049)
6051
9097



10085-001 (includes 6049)
6045
6049



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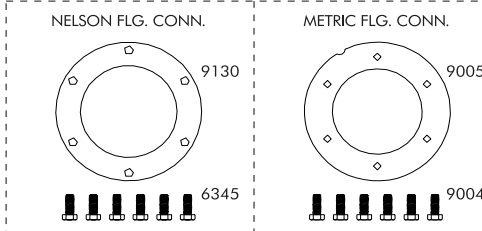
BEARING ASSEMBLY HD200

part number	description	qty.
6345	Screw, 3/8-16 x 1"	
	Hex Head Cap	6
9009	Brake — HD200	1
9010	Seal, Upper — HD200	1
9011	Seal, Lower — HD200	1
9019	Cover — HD200	1
9021	Housing — HD200	1
9108	Seal, Dust — HD200	1
9109	Bearing, Ball	2
9110	Gasket, Housing — HD200	2
9111	O-Ring, -347 Special	1
9112	O-Ring, -340	1
9113	Screw, 3/8-16 x 5 1/2"	
	Hex Head Cap	6
9128	Gasket, Elbow — SR200	1
9172	Spring, Brake, Inner — HD200	12
9173	Spring, Brake, Outer — HD200	12
9276	Stem Assembly w/ Dust Seal — HD200	1
10084	Retainer Assembly — HD200	1
10090	Metric Flange Assembly — HD200	1
10091	Nelson Flange Assembly — HD200	1
10153-002	Screw, .375-16 x 6"	
	Hex Socket Head Cap	6
10333-001	ANSI Flange Assembly — HD200	1

MOUNTING HARDWARE

part number	description	qty.
6345	Screw, 3/8-16 x 1" Hex Head Cap	6
9004	Screw, M8 x 1.25 x 25mm	
	Hex Head Cap	6
9005	Gasket, Metric Flange — HD200	1
9130	Gasket, Flange — HD150	1

FLANGE GASKET AND FASTENERS FOR GUN MOUNTING



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