

# Section FOUR

## Seal And Scraper Plate Kits

*"I am writing this letter to tell you how impressed we are with the longevity and durability of your seal and scraper plates. We used a 3/4" set on 60,000 ft. of 3/4" 6 x 19 class IWRC that made up the topping, purchase and vang wires of deck mounted cargo booms on the Naval Reserve Ship USS Comet. We fully expected to replace this 3/4" seal and scraper plate kit after this job. This has not been the case. These seals and scraper plates have given us years and approximately 100,000 ft. of extra service."*

*Ed Swenson,  
Marine Sale West Coast Wire Rope  
Portland, Oregon*



Seal & Scraper Plate Kits are comprised of two specially formulated proprietary polyurea seal halves along with a four piece metal scraper plate set. The seal halves are engineered to be neatly inserted into the correspondingly configured lubrication collar halves. They also incorporate a 1 to 2 millimeter compression factor for those wire ropes that may be marginally larger than their rated diameter.

The four scraper plate halves work to remove excess corrosion and debris from the outer circumference of the wire rope as it enters the lubrication collar and seals to allow for better penetration of the newly applied wire rope coating. In addition, the scraper plates smooth out newly applied lubricant as the wire rope travels from the lubrication collar.

### **Special Clarification: Seal and Groove Cleaner Kits to Wire Rope Fit**

There is no perfection in regard to rated wire rope diameters as opposed to their actual infield/under load diameter. In most instances they can be very close.



However, a diameter differential can become a fit factor when it comes to larger diameters such as 2" (51 mm) and above. As a matter of fact, there can be as much as a 1 to 4 mm. Variation depending upon the diameter.

Another influencing factor is the construction and the age of a particular wire rope. We have recently noted that some wire ropes manufacturers are now referring to a possible diameter variance in their rated specifications. This admission has been very supportive to our program because it helps our users understand that even though small variances are not a strong factor in ordering wire rope; it is a factor for us in providing the best fit possible for the components we supply with our systems.

For reference in 2015, Kirkpatrick Wire Rope Lubrication Systems has developed a new proprietary laser technology to manufacture our groove cleaners and seal kits to a fit that has not been available before and unmatched by our competition. Although this new production process is expensive, two individual groove cleaners will still be provided with each system.

# Seal And Scraper Plate Diameters Available

Standard · Jumbo · Internal Spray Configuration

We now have tooling to provide Seals at 1 mm. increments through 4-1/4 in. (108 mm).

Call us for part numbers: Standard System 9110-S · Jumbo System 9111-J · JUL Internal Spray 9111-L

Seal & Scraper Plate Kit Part Number	Diameter: Inch	Diameter Range: Millimeters
9110-S-18	1/8"	3 mm. - 4 mm.
9110-S-14	1/4"	5 mm. - 6 mm.
9110-S-516	5/16"	7 mm. - 8 mm.
9110-S-38 9111-J-38 9111-L-38	3/8"	9 mm. - 10 mm.
9110-S-716 9111-J-716 9111-L-716	7/16"	11 mm. - 12 mm.
9110-S-12 9111-J-12 9111-L-12	1/2"	12 mm. - 13 mm.
9110-S-916 9111-J-916 9111-L-916	9/16"	13 mm. - 14 mm.
9110-S-1932 9111-J-1932 9111-L-1932	19/32"	15 mm. - 16 mm.
9110-S-58 9111-J-58 9111-L-58	5/8"	16 mm. - 17 mm.
9110-S-2132 9111-J-2132 9111-L-2132	21/32"	17 mm. - 18 mm.
9110-S-1116 9111-J-1116 9111-L-1116	11/16"	18 mm. - 19 mm.
9110-S-34 9111-J-34 9111-L-34	3/4"	19 mm. - 20 mm.
9110-S-1316 9111-J-1316 9111-L-1316	13/16"	20 mm. - 21 mm.
9110-S-2732 9111-J-2732 9111-L-2732	27/32"	21 mm. - 22 mm.
9110-S-78 9111-J-78 9111-L-78	7/8"	22 mm. - 23 mm.



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Standard · Jumbo · Internal Spray Configuration

We now have tooling to provide Seals at 1 mm. increments through 4-1/4 in. (108 mm).

Call us for part numbers: Standard System 9110-S · Jumbo System 9111-J · JUL Internal Spray 9111-L

Seal & Scraper Plate Kit Part Number	Diameter: Inch	Diameter Range: Millimeters
9110-S-1516 9111-J-1516 9111-L-1516	15/16"	23 mm. - 24 mm.
9110-S1 9111-J1 9111-L1	1"	25 mm. - 26 mm.
9110-S1-116 9111-J1-116 9111-L1-116	1-1/16"	26 mm. - 27 mm.
9110-S1-18 9111-J1-18 9111-L1-18	1-1/8"	28 mm. - 29 mm.
9110-S1-316 9111-J1-316 9111-L1-316	1-3/16"	30 mm. - 31 mm.
9110-S1-14 9111-J1-14 9111-L1-14	1-1/4"	31 mm. - 32 mm.
9110-S1-516 9111-J1-516 9111-L1-516	1-5/16"	33 mm. - 34 mm.
9110-S1-38 9111-J1-38 9111-L1-38	1-3/8"	34 mm. - 35 mm.
9110-S1-12 9111-J1-12 9111-L1-12	1-1/2"	37 mm. - 38 mm.
9110-S1-916 9111-J1-916 9111-L1-916	1-9/16"	39 mm. - 40 mm.
9110-S1-58 9111-J1-58 9111-L1-58	1-5/8"	41 mm. - 42 mm.
9110-S1-2132 9111-J1-2132 9111-L1-2132	1-21/32"	42 mm. - 43 mm.
9110-S1-1116 9111-J1-1116 9111-L1-1116	1-11/16"	42 mm. - 43 mm.
9110-S1-34 9111-J1-34 9111-L1-34	1-3/4"	44 mm. - 45 mm.
9110-S1-1316 9111-J1-1316 9111-L1-1316	1-13/16"	45 mm. - 46 mm.



# Seal And Scraper Plate Diameters Available

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We now have tooling to provide Seals at 1 mm. increments through 4-1/4 in. (108 mm).

Call us for part numbers: Standard System 9110-S · Jumbo System 9111-J · JUL Internal Spray 9111-L

Seal & Scraper Plate Kit Part Number	Diameter: Inch	Diameter Range: Millimeters
9110-S1-78 9111-J1-78 9111-L1-78	1-7/8"	48 mm. - 49 mm.
9111-J1-1516 9111-L1-1516	1-15/16"	49 mm. - 50 mm.
9111-J2 9111-L2	2"	50 mm. - 51 mm.
9111-J2-116 9111-L2-116	2-1/16"	52 mm. - 53 mm.
9111-J2-18 9111-L2-18	2-1/8"	54 mm. - 55 mm.
9111-J2-14 9111-L2-14	2-1/4"	57 mm. - 58 mm.
9111-J2-38	2-3/8"	60 mm.
9111-J2-716	2-7/16"	62 mm.
9111-J2-12	2-1/2"	64 mm.
9111-J2-916	2-9/16"	65 mm.
9111-J2-58	2-5/8"	66 mm.
9111-J2-1116	2-11/16"	68 mm.
9111-J2-34	2-3/4"	70 mm.
9111-J3	3"	76 mm.
9111-J3-18	3-1/8"	80 mm.
9111-J3-38	3-3/8"	85 mm.
9111-J3-12	3-1/2"	89 mm.
9111-J3-34	3-3/4"	95 mm.
9111-J3-78	3-7/8"	98 mm.
9111-J4	4"	101 mm.
9111-J4-14	4-1/4"	108 mm.



# Seal And Scraper Plate Kits: US/NATO National Stock Numbers

Seal & Scraper Plate Kit Part Number	Diameter: Inch	Diameter Range: Millimeters
NSN 5330-01-461-6205	5/16"	7 mm. - 8 mm.
NSN 5330-01-461-6202	3/8"	9 mm. - 10 mm.
NSN 5230-01-419-8319 NSN 5330-01-315-8370	1/2"	12 mm. - 13 mm.
NSN 5330-01-461-6201	9/16"	13 mm. - 14 mm.
NSN 5330-01-461-6200 NSN 5330-01-315-8371	5/8"	16 mm. - 17 mm.
NSN 5330-01-419-8320 NSN 5330-01-315-8372	3/4"	19 mm. - 20 mm.
NSN 5330-01-419-8321 NSN 5330-01-315-8372	7/8"	22 mm. - 23 mm.
NSN 5330-01-461-6199 NSN 5330-01-315-8374	1"	25 mm. - 26 mm.
NSN 5230-01-419-6198 NSN 5330-01-315-8375	1-1/8"	28 mm. - 29 mm.
NSN 5330-01-419-8323	1-1/4"	31 mm. - 32 mm.
NSN: 5330-01-461-6196	1-3/8"	34 mm. - 35 mm.
NSN 5330-01-419-8322 NSN 5330-01-315-8377	1-1/2"	37 mm. - 38 mm.
NSN 5330-01-315-8378	1-5/8"	41 mm. - 42 mm.
NSN 5330-01-315-8379	1-3/4"	44 mm. - 45 mm.
NSN 5330-01-315-8380	1-7/8"	46 mm. - 47 mm.



# Section FIVE

## Groove Cleaner Kits And Smooth Bore Groove Cleaners

Standard · Jumbo · Internal Spray Configuration

Groove Cleaner Kits are provided in three configurations:

- Right Lay Direction
- Left Lay Direction
- Smooth Bore

▪ Groove Cleaners clean not only the outer circumference, but the specific groove pattern of your wire ropes, removing contaminants that hinder the penetration of the new coating being applied inside the Seal Lubrication Chamber. For a proper fit and the best possible results, it is crucial that end users calibrate the specific diameter, number of outer strand and lay direction of their wire ropes.

▪ Some smaller diameter multi strand wire rope configurations and/or double armor cable configurations have such a limited groove pattern that it is difficult for groove cleaners to stay on track. Therefore, smooth bore cleaners, efficient at cleaning the outer circumference of the wire rope, are offered.

▪ Various numbers of outer strand right and left lay Groove Cleaners are available. Please enquire about our special tooling manufacture program which gives us the unique capability to match your exact wire rope configuration for a specialized fit and superior results.

*USS Hancock: "The Kirkpatrick Wire Rope Lubricator & Groove Cleaners, have eliminated the need for two people and 3 hours to complete this Preventative Maintenance Schedule (PMS). Now one maintenance man can clean and lubricate a cable in less than 30 minutes."*

- 10-Year Cost Savings: \$ 652,320
- Labor Reduction: 75%
- Break-even Point (Years) .10

U.S. Navy Pollution Prevention P2  
AFLOAT Program



*Groove Cleaner manufactured using laser produced tooling for an excellent fit.*



# Groove Cleaner Kits

Right Lay · Left Lay

Groove Cleaners Part Number Right Lay	Groove Cleaner Part Number Left Lay	Number of Strands	Rated Diameter Millimeters	Rated Diameter Inches
11MM RL6		6	11 mm. - 12 mm.	7/16"
12MM RL6	12MM LL6	6	12 mm. - 13 mm.	1/2"
14MM RL6	14MM LL6	6	14 mm. - 15 mm.	9/16"
16MM RL6	16MM LL6	6	16 mm. - 17 mm.	5/8"
19MM RL6	19MM LL6	6	19 mm. - 20 mm.	3/4"
20MM RL6		6	20 mm. - 21 mm.	13/16"
22MM RL6	22MM LL6	6	22 mm. - 23 mm.	7/8"
22MM RL8		8	22 mm. - 23 mm.	7/8"
24MM RL6	24MM LL6	6	24 mm. - 25 mm.	15/16"
25MM RL6	25MM LL6	6	25 mm. - 26 mm.	1"
25MM RL8		8	25 mm. - 26 mm.	1"
26MM RL6	26MM LL6	6	26 mm. - 27 mm.	1"
26MM RL16		16	26 MM. - 27 MM.	1"
27MM RL6	27MM LL6	6	27 MM. - 28 MM.	1-1/16"
27MM RL16		16	27 mm. - 28 mm.	1-1/16"
28MM RL6	28MM LL6	6	28 mm. - 29 mm.	1-1/8"
28MM RL8		8	28 mm. - 29 mm.	1-1/8"
29MM RL6	29MM LL6	6	29 mm. - 30 mm.	1-1/8"
30MM RL6	30MM LL6	6	30 mm. - 31 mm.	1-3/16"
30MM RL18		18	30 mm. - 31 mm.	1-3/16"
32MM RL6	32MM LL6	6	32 mm. - 33 mm.	1-1/4"
32MM RL8	32MM LL8	8	32 mm. - 33 mm.	1-1/4"
32MM RL12	32MM LL12	12	32 mm. - 33 mm.	1-1/4"
32MM RL16	32MM LL16	16	32 mm. - 33 mm.	1-1/4"

*Indicates This size is not currently available. Please contact sales for more information.*



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# Groove Cleaner Kits

Right Lay · Left Lay

Groove Cleaners Part Number Right Lay	Groove Cleaner Part Number Left Lay	Number of Strands	Rated Diameter Millimeters	Rated Diameter Inches
33MM RL6	33MM LL6	6	33 mm. - 34 mm.	1-5/16"
	33MM LL8	8	33 mm. - 34 mm.	1-5/8"
33MM RL16		16	33 mm. - 34 mm.	1-5/16"
34MM RL4		4	34 mm. - 35 mm	1-5/16"
34MM RL6	34MM LL6	6	34 mm. - 35 mm.	1-5/16"
35MM RL6	35MM LL6	6	35 mm. - 36 mm.	1-3/8"
36MM RL6	36MM LL6	6	36 mm. - 37 mm.	1-7/16"
37MM RL6	37MMLL6	6	37 mm. - 38 mm.	1-7/16"
37MM RL18		18	37 mm. - 38 mm.	1-7/16"
38MM RL6	38MM LL6	6	38 mm. - 39 mm.	1-1/2"
	38MM LL12	12	38 mm. - 39 mm.	1-1/2"
38MM RL16	38MM LL16	16	38 mm. - 39 mm.	1-1/2"
39MM RL6		6	39 mm. - 40 mm.	1-9/16"
40MM RL6	40MM LL6	6	40 mm. - 41 mm.	1-9/16"
41MM RL6	41MM LL6	6	41 mm. - 42 mm.	1-5/8"
42MM RL6	42MM LL6	6	42 mm. - 43 mm.	1-5/8"
	42MM LL8	8	42 mm. - 43 mm.	1-5/8"
43MM RL6	43MM LL6	6	43 mm. - 44 mm.	1-11/16"
44MM RL6	44MM LL6	6	44 mm. - 45 mm.	1-3/4"
44MM RL8	44MM LL8	8	44 mm. - 45 mm.	1-3/4"
44MM RL12		12	44 mm. - 45 mm.	1-3/4"
45MM RL6	45MM LL6	6	45 mm. - 46 mm.	1-3/4"
45MM RL12	45MM LL12	12	45 mm. - 46 mm.	1-3/4"
46MM RL6	46MM LL6	6	46 mm. - 47 mm.	1-13/16"

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# Groove Cleaner Kits

Right Lay · Left Lay

Groove Cleaners Part Number Right Lay	Groove Cleaner Part Number Left Lay	Number of Strands	Rated Diameter Millimeters	Rated Diameter Inches
46MM RL8	46MM LL8	8	46 mm. - 47 mm.	1-13/16"
47MM RL8	47MM LL8	8	47 mm. - 48 mm.	1-7/8"
48MM RL6	48MM LL6	6	48 mm. - 49 mm.	1-7/8
49MM RL8	49MM LL8	8	49 mm. - 50 mm.	1-15/16"
50MM RL6		6	50 mm. - 51 mm.	2"
54MM RL6	54MM LL6	6	54 mm. - 55 mm.	2-1/8"
58MM RL6	58MM LL6	6	58 mm. - 59 mm.	2-1/4"
	58MM LL8	8	58 mm. - 59 mm.	2-1/4"
59MM RL16	59MM LL16	16	59 mm. - 60 mm.	2-5/16"
60MM RL6		6	60 mm. - 61 mm.	2-3/8"
		6	62 mm.	2-7/16"
62MM RL18	62MM LL6	18	62 mm.	2-7/16"
	64MM LL6	6	64 mm.	2-1/2"
66MM RL6		6	66 mm.	2-5/8"
70MM RL6		6	70 mm.	2-3/4"
78MM RL6		6	78 mm.	3-1/16"
90MM RL6	90MM LL6	6	90 mm.	3-9/16"
92MM RL6		6	92 mm.	3-5/8"
94MM RL6		6	94 mm.	3-11/16"
95MM RL6		6	95 mm.	3-3/4"
98MM RL18		18	98 MM.	3-7/8"
100MM RL18		18	100 mm.	3-5/16"
108MM RL6		6	108 mm.	4-1/4"

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# Smooth Bore Groove Cleaners

## Wire Rope Diameters

Smooth Bore Groove Cleaner Normal Width Body 3/8 in. (9.5 mm.) & Above Wire Rope Part Number	Center Hole Diameter: Inch	Center Hole Diameter: Millimeters
9MM SB	3/8 in.	9 mm. - 10 mm.
12MM SB	1/2 in.	12 mm. - 13 mm.
14MM SB	9/16 in.	14 mm. - 15 mm.
16MM SB	5/8 in.	16 mm.
19MM SB	3/4 in.	19 mm.
22MM SB	7/8 in.	22 mm. - 23 mm.
25MM SB	1 in.	25 mm.
28MM SB	1-1/8 in.	28 mm. - 29 mm.
32MM SB	1-1/4 in.	32 mm.
35MM SB	1-3/8 in.	35 mm.
38MM SB	1-1/2 in.	38 mm.
39MM SB	1-9/16 in.	39 mm. - 40 mm.
41MM SB	1-5/8 in.	41 mm.
44MM SB	1-3/4 in.	44 mm. - 45 mm.
48MM SB	1-7/8 in.	48 mm.
51MM SB	2 in.	51 mm.
54MM SB	2-1/8 in.	54 mm.
58MM SB	2-1/4 in.	58 mm.
64MM SB	2-1/2 in.	64 mm.
76MM SB	3 in.	76 mm.
84MM SB	3-1/4 in.	84 mm.
89MM SB	3-1/2 in.	89 mm.
95MM SB	3-3/4 in.	95 mm.
102MM SB	4 in.	102 mm.
108MM SB	4-1/4 in.	108 mm.



# Groove Cleaner Kits: US/NATO National Stock Numbers

Groove Cleaners Part Number Right Lay	Groove Cleaner Part Number Left Lay	Number of Strands	Rated Diameter Millimeters	Rated Diameter Inches
NSN 4930-01-462-1175	NSN 4930-01-462-1160	6	9 mm. - 10 mm.	3/8"
NSN 4930-01-462-1149	NSN 4930-01-462-1142	6	12 mm. - 13 mm.	1/2"
NSN 4930-01-462-1169	NSN 4930-01-462-1139	6	14 mm. - 15 mm.	9/16"
NSN 4930-01-462-1145	NSN 4930-01-462-1146	6	16 mm. - 17 mm.	5/8"
NSN 4930-01-462-1148	NSN 4930-01-462-1157	6	19 mm. - 20 mm.	3/4"
NSN 4930-01-462-1158	NSN 4930-01-462-1170	6	22 mm. - 23 mm.	7/8"
NSN 4930-01-462-1172	NSN 4930-01-462-1174	6	25 mm. - 26 mm.	1"
NSN 4930-01-462-1176	NSN 4930-01-462-1141	6	28 mm. - 29 mm.	1-1/8"
NSN 4930-01-462-1151	NSN 4930-01-462-1156	6	32 mm. - 33 mm.	1-1/4"



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# Section SIX

## Optional Components Available

Manual Strippers · Centering Bushings · Pump Repair Kits · Pump Air Components · Pump Lubricant Flow Control Valve · Lubricant Discharge Valve · Follower Plates · Pail and Drum Covers

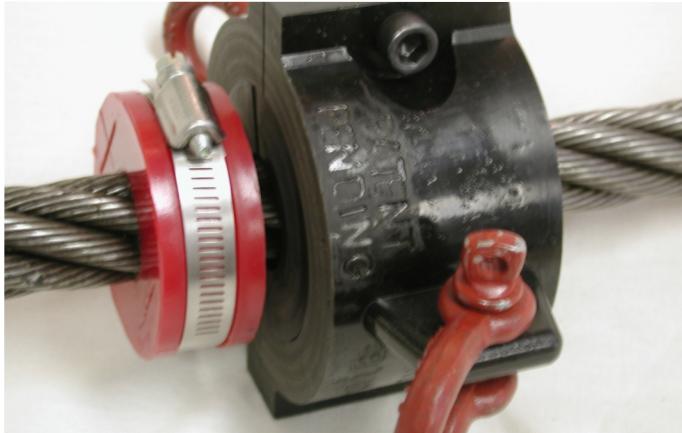
The Manual Stripper provides a rotational base for the Groove Cleaners. This device allows the user the ability to surface strip a majority of their wire rope for inspection purposes apart from the lubrication process. The manual stripper component can either be tied off to allow the wire rope to pass through it or it can be pulled along the wire rope in conjunction with the Groove Cleaner.

A Centering (alignment) Bushing with a center hole cut to the diameter of the wire rope is required to be inserted in the Manual Stripper to keep it centered and aligned. Each Manual Stripper is provided with one diameter Centering Bushing. Additional diameters are priced separately.

*We were rewarded by a system that not only lubricated the wire rope uniformly; it cleaned the surface and removed the moisture. An additional benefit was the tension it sets up on the wire rope while lubricating."*

*"If each district purchased a system for its individual sizes of wire rope, we could all have safer, easier, and most important, quality maintenance of wire rope."*

*Article In United States Coast Aids To Navigation Bulletin.*



# Optional Components Available

## Manual Strippers · Centering Bushings

The Manual Stripper provides a rotational base for the Groove Cleaners.  
Each Manual Stripper is provided with one diameter Centering Bushing.

<b>Centering Bushings For: 9110MS 3/8 in. - 2 in. Wire Rope Part Number</b>	<b>Centering Bushings For: 9111MS 3/8 in. - 2 in. Wire Rope Part Number</b>	<b>Accommodates Wire Rope Diameter: Inch</b>	<b>Accommodates Wire Rope Diameter: Millimeters</b>
MSB38S	MSB38J	3/8 in.	9 mm. - 10 mm.
MSB12S	MSB12J	1/2 in.	12.5 mm.
MSB916S	MSB916J	9/16 in.	13 mm. - 14 mm.
MSB58S	MSB58J	5/8 in.	16 mm.
MSB34S	MSB34J	3/4 in.	19 mm.
MSB78S	MSB78J	7/8 in.	22 mm. - 23 mm.
MSB1S	MSB1J	1 in.	25 mm.
MSB118S	MSB118J	1-1/8 in.	28 mm. - 29 mm.
MSB114S	MSB114J	1-1/4 in.	32 mm.
MSB1516S	MSB1516J	1-5/16 in.	33 mm. - 34 mm.
MSB138S	MSB138J	1-3/8 in.	35 mm. - 36 mm.
MSB112S	MSB112J	1-1/2 in.	37 mm. - 38 mm.
MSB191S	MSB191J	1-9/16 in.	39 mm. - 40 mm.
MSB158S	MSB158J	1-5/8 in.	41 mm.
MSB134S	MSB134J	1-3/4 in.	44 mm. - 45 mm.
MSB178S	MSB178J	1-7/8 in.	48 mm.
MSB2S	MSB2J	2 in.	51 mm.
	MSB218J	2-1/8 in.	54 mm.
	MSB214J	2-1/4 in.	57 mm. - 58 mm.
	MSB238J	2-3/8 in.	60 mm.
	MSB212J	2-1/2 in.	64 mm.
	MSB3J	3 in.	76 mm.

*Indicates This size is not currently available. Please contact sales for more information.*



# Optional Components Available

Pump Repair Kits · Pump Air Components · Valves · Follower Plates · Pail/Drum Covers

## Pump Repair Kits

Standard Systems & JUL Systems Repair Kits: Part Number 9110-PR-Kit

- Model SU35B
- Model SU120
- Model SU400

Jumbo System Repair Kits: Part Number 9111-PR-Kit

- Model SU400C

## Pump Air Components

- Standard & JUL Systems Air Components: Part No. 9110-FRL
- Jumbo System Air Components: Part No. 9111-FRL

## Pump Lubricant Flow Control Valve (7,000 PSI Rated). Used For All Pumps: FC7000TKG-A

Stainless steel (7000 PSI Rated) brass push-to-pull Q/C (quick connect) nipples. Customer must specify whether flow valve is for the Internal Spray System, Standard Model or Jumbo Model Systems

## Lubricant Discharge Valve: Part No. FC250-12

## Lubrication Supply/Discharge Hose

- 10' x 1/2" Diameter (2,500 PSI Rated)
- 1/2" Duo-Lube Split "T" Two-Sided Feed (Jumbo Systems Only)
- 10" x 1/4" Diameter (1,000 PSI Rated (Internal Spray System Only)
- 1/4" Duo-Lube Split "T" Two Sided Feed (Internal Spray Systems Only)
- 7' x 3/4" ID Clear Discharge Hose (Standard & Jumbo Systems)

## Follower Plates

- |         |                      |
|---------|----------------------|
| ▪ SU35B | Part No. 9110-35-FP  |
| ▪ SU120 | Part No. 9110-120-FP |
| ▪ SU400 | Part No. 9110-400-FP |
| ▪ JU120 | Part No. 9111-120-FP |
| ▪ JU400 | Part No. 9111-400-FP |

## Pail/Drum Covers

- |                 |                      |
|-----------------|----------------------|
| ▪ SU35B / JU5L  | Part No. 9110-35-DC  |
| ▪ SU120 / JU16L | Part No. 9110-120-DC |
| ▪ SU400/ JU55L  | Part No. 9110-400-DC |
| ▪ JU120         | Part No. 9111-120-DC |
| ▪ JU400         | Part No. 9111-400-DC |

