

# KÄRCHER

makes a difference



## PRESSURE WASHERS



**Lorchem  
Technologies, Inc.**

1150 Davis Road, Suite J • Elgin, IL 60123  
(800) 788-8867 • [info@lorchem.com](mailto:info@lorchem.com) • [www.lorchem.com](http://www.lorchem.com)

*We Know How To Get Things* **CLEAN**

## Hyro Roller Pumps

Ideal for farm sprayers, pest control and chemical application usage.



- Housings available in cast-iron, Ni-resist or silver series
- Self-priming operation; roller pumps should not be run dry
- Adaptable to PTOs or gas engines
- Standard seals are Viton or Buna
- Standard super rollers provide the chemical resistance of nylon and long life of polypropylene
- Rotation is determined by looking at shaft end of pump
- Counter-clockwise is standard on all except 4001 and 4101 Series
- Maximum fluid temperature is 140°

Part No	Old No	Model No	Housing	Rotation	Shaft dia	No. of Rollers	Seals	
8.702-278.0	100814	4001C	CI	CW	5/8"	4	V	
8.702-281.0	100817	4101C	CI	CW	5/8"	4	V	
8.702-259.0	100778	4101N	N	CW	5/8"	4	V	
8.702-280.0	100815	4001XL	SL	CW	5/8"	4	V	
8.702-261.0	100784	6500C	CI	CCW	5/8"	6	V	
8.702-263.0	100784R	6500C-R	CI	CW	5/8"	6	V	
8.702-262.0	100784N	6500N	N	CCW	5/8"	6	V	
8.702-264.0	100784X	6500XL-R	SL	CW	5/8"	6	V	
8.702-282.0	100819	7560C	CI	CCW	15/16"	8	V	
8.702-283.0	100819R	7560C-R	CI	CW	15/16"	8	V	
8.702-286.0	100823R	7560N-R	N	CW	15/16"	8	V	
8.700-082.0	069665	Shaft Adapter (5/8" to 3/4")						

NOTE: CI = Cast-Iron, N = Ni-Resist, SL = Silver Last

## Performance Tables



### Series 4001

- Max PSI 150
- Max GPM 9
- Max RPM 1,800

Pressure in PSI	GPM @1,100 RPM	HP	GPM@1,400 RPM	HP	GPM@1,800 RPM	HP
50	4.4	.24	5.9	.32	8.0	0.46
100	3.8	.41	5.3	.56	7.3	0.78
125	3.5	.50	5.0	.68	7.0	0.95
150	3.3	.62	4.8	.78	6.7	1.10

### Series 6500

- Max PSI 300
- Max GPM 18.2
- Max RPM 1,000

Pressure in PSI	GPM@1,100 RPM	HP	GPM@1,400 RPM	HP	GPM@1,800 RPM	HP
50	8.0	0.38	16.5	0.71	20.1	0.90
100	7.2	0.68	15.4	1.26	19.1	1.51
200	5.6	1.29	14.0	2.34	17.3	2.84
300	4.3	1.91	12.7	3.47	15.7	4.17

### Series 4101

- Max PSI 150
- Max GPM 7
- Max RPM 2,600

Pressure in PSI	GPM@1,100 RPM	HP	GPM@1,400 RPM	HP	GPM@1,800 RPM	HP
50	4.5	0.34	5.60	.40	6.6	0.46
100	3.9	.56	5.0	.68	6.0	0.76
125	3.7	.68	.82	.82	5.7	0.92
150	3.4	.78	4.40	.96	5.4	1.08v

### Series 7560

- Max PSI 300
- Max GPM 22.5
- Max RPM 1,000

Pressure in PSI	GPM@1,100 RPM	HP	GPM@1,400 RPM	HP	GPM@1,800 RPM	HP
50	11.1	0.74	17.5	1.26	22.0	1.78
100	10.3	1.25	16.9	1.95	21.3	2.53
200	8.6	2.26	15.5	3.40	20.0	4.20
300	7.1	3.30	18.9	5.30	18.0	6.10

## Flojet Diaphragm Pump

**FLOJET**

Built-in pressure switch automatically starts and stops pump instantaneously.

- Can run dry without damage
- Excellent self-priming capability
- Low-current draw



Part No	Old No	Flojet Model No	Power	Max Flow	Max PSI	Ports	Diaphragm*	Valves*
8.702-325.0	100879	2135-561	12V DC	1.48	60	3/8" FPT	B	V
8.702-328.0	100884	4300-142A	12V DC	3.30	40	1/2" Barb	S	E
8.702-312.0	100863	2100-032	115V	1.85	50	3/8" FPT	S	S
8.702-337.0	100895	2100-022A	115V	1.85	50	3/8" FPT	V	V
8.702-331.0	100888	4300-042	115V	3.70	35	1/2" Barb	S	E
8.702-329.0	100884A	4300-043A	115V	4.70	35	1/2" Barb	S	E

\* B = Buna V = Viton E= EPDM S = Santoprene

NOTE: These units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

## Diaphragm Pump Units

**SHURflo**

1.00-3.8 GPM integrated pump motor units. Powered by 12V DC or 115V AC power. Pumps are standard with Santoprene diaphragms and Viton valves for excellent service with a wide variety of sprayable products.

NOTE: Flow is reduced as pressure is increased (i.e. 100850 pumps 1.12 GPM @ 60 PSI) Automatic demand control on/off.

- Chemical-resistant materials
- Self-priming
- Automatic demand pressure switch or internal bypass
- Can run dry without damage
- Low-Amp draw



Part No	Old No	Shurflo Model No	Power	Max Flow	Max PSI	Ports	Diaphragm*	Valves*
8.702-294.0	100841	8000-541-236	Demand	12V DC	1.0	60	3/8" FPT	S V
8.702-304.0	100854	8000-343-236	Demand	12V DC	1.2	60	3/8" FPT	V V
8.702-300.0	100850	8000-543-236	Demand	12V DC	1.8	60	3/8" FPT	S V
8.702-296.0	100844	8000-543-238	Demand	12V DC	1.4	100	3/8" FPT	S V
8.702-335.0	100893	8030-813-239	Demand	12V DC	1.5	150	3/8" FPT	S V
8.702-302.0	100852	8002-793-238	Demand	12V DC	1.7	100	3/8" FPT	S E
8.702-311.0	100862	8000-532-256	Demand	115V	1.0	60	3/8" FPT	S V
8.702-307.0	100857	8000-033-236	Demand	115V	1.0	60	3/8" FPT	V V
8.702-306.0	100856	8000-533-236	Demand	115V	1.4	60	3/8" FPT	S V
8.702-334.0	100892	8000-812-288	Bypass	115V	1.4	100	3/8" FPT	S V
8.702-308.0	100858	8000-813-238	Demand	115V	1.6	100	3/8" FPT	S V
8.702-338.0	100896	8000-713-238	Demand	115V	1.6	100	3/8" FPT	S E

2088 Premium Series – self-priming up to 12 foot – Built-in Back Check

8.702-305.0	100855	2088-343-135	Demand	12V DC	3.0	50	1/2"-14M	S V
8.702-303.0	100853	2088-313-145	Demand	12V DC	3.6	50	1/2"-14M	S V
8.702-301.0	100851	2088-712-244	Demand	12V DC	3.8	50	1/2"-14M	S E
8.702-310.0	100861	2088-394-154	Demand	115V	3.2	40	1/2"-14M	S V

4111 – Double Head

8.702-339.0	100899	4111-035	Demand	12V	7.0	50	1/2"-14M	S V
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166 – Air Drive

8.702-317.0	100870	166-200-56	Demand	AIR	2.0	60	3/8" Barb	E E
8.702-318.0	100871	166-200-36	Demand	AIR	2.0	60	3/8" Barb	V V

\*S = Santoprene V = Viton E= EPDM

NOTE: These units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

# AG SPRAY ACCESSORIES

## Aquatec 550 Series Diaphragm Pump

These pumps can either be controlled by a pressure switch ("demand" mode) or an external power control device. When required, an integrated bypass can be incorporated to help regulate pressure levels.



- Powerful flow rates up to 5.5 GPM/21 LPM at pressures up to 80 PSI/5.5 Bar
- Patented 5-chamber diaphragm and piston design
- Quiet noise levels and with minimal pulsations



Part No	Aquatec Model No	GPM	Max Flow	Max PSI	Ports	Diaphragm* Valves*
8.750-812.0	25513-1E11-M63812V DC	5.3	60	1/2" NPT	S	E

## Industrial Chemical Sprayer

Excellent pre-prep chemical applicator. Trigger control, demand flow, wall-mount cabinet, enclosed pump unit pulls chemical from a bulk tank and delivers it through 100' lightweight hose for low-pressure stream/cone or mist application. Operator simply squeezes trigger for instant application.



- Diaphragm pump units
- 60 PSI pressure
- Choice of 12V DC or 110V DC
- 100-foot hose
- Adjustable nozzle for cone mist to straight stream
- Durable Santoprene and Viton-wetted parts

Part No.	Old No	Description	Motor	PSI	GPM
Wall Mount / Cabinet Sprayer					
8.906-090.0	810020	Chem Applicator	115V AC	60	1.15
8.906-089.0	810010	Chem Applicator	12V DC	60	1.02

**NOTE:** These Units are designed to withstand many harsh chemicals. However, because compounds and concentrations of materials pumped through these units are beyond the manufacturer's control, the manufacturer DOES NOT PROVIDE A WARRANTY on the wet-end of the pump.

## Trigger Valves

Versatile hand-held trigger valves for chemical or water-flow control.

- 1/2" FPT inlet/outlet
- Lock-on trigger loop
- 18.5 GPM
- 700 PSI



Part No	Old No	Description
Aluminum Body – SS/ BR Valve		
8.708-982.0	266652	Trigger Valve – Viton
Plastic body – SS/ BR Valve		
8.708-983.0	266658	Trigger Valve – Viton
8.708-984.0	266659	Trigger Valve – Buna

## Spraymax Trigger Gun

For pest control applications.

- 1000 PSI
- 200° temperature
- Compare to JD-9, Mag-1, Robco and Ges
- Adjusts from fine mist to straight stream
- Drip-free shutoff
- Crafted for all-day comfortable use
- Larger trigger for 4-fingered grip



Part No	Old No	Description
8.708-995.0	266693	With 1/2" Inlet
8.709-028.0	268047	Repair Kit

## Turbine Series Guns

Forged-brass housings, stainless-steel lances, mist cone to straight stream adjustment, on/off control, lock-on trigger, 1/2" MPT inlet Viton seals, up to 1200 PSI at 140°F.

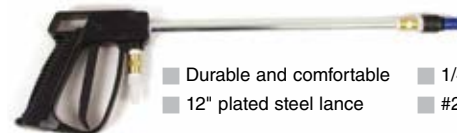


- 1200 PSI
- 1/2" BSP male inlet
- Weighs only 4 lbs.
- Standard 15 x 1 LRT (4.5mm)
- 62 ft.-reach, straight stream @ 850 PSI
- 31.5 ft.-reach, full cone @ 850 PSI

Part No	Old No	Description	Length
8.708-990.0	266680	Long Range Turbine	27-1/2"
8.708-989.0	266676	Turbine	26-1/2"

## Gun Assembly - 910 Spot Spray

High-pressure trigger gun adapted to spot spray application.



- Durable and comfortable
- 12" plated steel lance
- 1/4" hose barb inlet
- #2 blue adjustable nozzle

Part No	Old No	Description
8.904-088.0	352940	910 Spot Spray Gun Assembly

## Trigger-Control Spray Lances

Excellent for low-pressure chemical applications up to 150 PSI. Available in either plastic- or brass-lance tube. Works well with neutral, alkaline or mild acid solutions.



- Steel trigger and service wrench
- Plastic valve body
- Brass-needle plunger
- Filter screen in nozzle housing
- Standard 11/16" outlet thread for standard low-pressure nozzle
- Cone nozzle adjusts 0-80°
- Accepts the adjustable cone nozzles or standard tip-jet nozzles (11/16 nozzle thread)
- 24" lance — brass or plastic

Part No.	Old No	Description
Trigger Lance		
8.902-777.0	266606	Brass w/o Nozzle
8.902-778.0	266607	Plastic w/o Nozzle
8.708-977.0	266603	Plastic w/ Red Nozzle
8.708-978.0	266610	Brass w/ Red Nozzle
8.700-493.0	076700	Needle Valve and Seal Kit

Part No.	Old No	Description	80° Straight Cone
Adjustable Nozzle – GPM @ 40 PSI / Adjust 0-80°			
8.708-979.0	266611	#1 Yellow	.316 .156
8.708-980.0	266612	#2 Red	.545 .204
8.708-981.0	266613	#3 Blue	.720 .250

## Brass Pressure Regulator

Durable and strong.

- 3/4" FPT outlet
- 120°F temperature
- 10.3 oz weight
- For sprayers pumping up to 15 GPM
- Adjustable pressure ranges
- Stainless-steel spring
- Tee-handle adjustment screw
- 3/4" MPT inlet
- Knurled locknut for ease of locking in adjustment



Part No	Old No	Description
8.712-557.0	462217	0-300 PSI
8.712-558.0	462218	300-700 PSI

## Heavy-Duty Swivels

Live swivels help prevent twisted and tangled hose.

- Brass body and stainless-steel bolt
- Viton seals
- 600 PSI
- 1/2" MPT inlet and 1/2" outlet



**8.708-996.0**

Part No	Old No	Description
8.708-996.0	266700	Swivel 1/2" M x F
8.708-997.0	266701	Swivel 1/2" M x 3/4" FGH

## Trigger-Jet Spray Lances

Low-pressure chemical application lance will tolerate mild acid solutions.



- Diaphragm shut-off valve
- Hand-grip trigger control
- Plastic lance tube resistant to acids and agricultural chemicals
- 150 PSI
- Excellent for mild acids or alkali chemicals
- Polypropylene body EPDM seals STD
- 11/16" — nozzle connect outlet

Part No	Old No	Description
Trigger Lance		
8.709-182.0	302250V	24" 1/4" FPT inlet, Viton
8.709-183.0	302251	24" 1/4" HB inlet, EPDM
8.709-184.0	302252V	3/8" Hose Barb, Viton
Trigger Valve Only		
8.709-185.0	302254V	3/8" HB Inlet/ 11/16" Outlet, Viton
8.709-186.0	302255V	1/4" HB Inlet/ 11/16" Outlet, Viton
8.709-187.0	302256V	1/4" FPT Inlet/ 11/16" Outlet, Viton
Parts and Accessories – Trigger Jet Lance		
8.709-188.0	302258	Adapter, 11/16" x 11/16" PP
8.709-189.0	302259	24" Lance Tube only
8.709-190.0	302260	24" Lance Tube w/ Seals and Fittings
Trigger Jet Nozzles – Polypropylene adjust from 0° to 60° Cone		
8.709-192.0	302263	Yellow Core(x 3), .23 GPM/ 60 PSI
8.709-193.0	302265	Green Core (x 5), .37 GPM/ 60 PSI
8.709-194.0	302266	Red Core (x 6), .45 GPM/ 60 PSI
8.709-195.0	302268	Gray Core (x 8), .57 GPM/ 60 PSI
8.709-196.0	302272	Brown Core (x 12), .84 GPM/ 60 PSI
8.709-197.0	302274	Orange Core (x 18), 1.2 GPM/ 60 PSI

## Long Range Tip – 15 x 1 – Stainless-Steel

Best used with long-range turbine gun.



	Part No.	Old No	Orifice Dia (mm)
■ 15 x 1 long-range tip	8.708-998.0	266706	3.5
■ Stainless-steel body	8.708-999.0	266707	4.0
■ 850 PSI	8.709-000.0	266708	4.5
■ 24.4 GPM	8.709-001.0	266709	5.0
■ 77 ft. max throw range	8.709-002.0	266710	5.5
	8.709-003.0	266711	6.0
	8.709-004.0	266712	7.0

## Low-Flow Brass Pressure Regulator

- For sprayers pumping up to 5 GPM
- Durable and strong brass construction
- Stainless-steel spring
- Positive Viton seal to prevent leakage
- Knurled locknut for easy adjustment
- 1/2" MPT inlet
- 1/2" FPT outlet
- 120°F temperature
- 10.3 oz weight



Part No	Old No	Description
8.712-553.0	462207	200-650 PSI
8.712-554.0	462208	0-300 PSI

## Nylon Pressure Regulator

Maximum corrosion resistance.

- Male inlet/female outlet
- 120°F temperature
- 4 oz weight
- Built to handle up to 15 GPM
- Stainless-steel spring
- Positive Viton seal prevents leakage and provides the best chemical resistance
- Knurled locknut for ease of locking in adjustment
- Tee-handle adjustment screw
- Choice of 1/2" or 3/4" inlet/outlet

Part No	Old No	Inlet	Outlet	Adjustable Pressure Range
8.712-555.0	462212	1/2"	3/4"	0-250 PSI
8.712-552.0	462202	3/4"	3/4"	0-250 PSI
8.712-556.0	462213	3/4"	3/4"	0-400 PSI



## Bulkhead Fittings

- Black polypropylene
- Double-threaded with EPDM gasket
- Opening same size as outside diameter



Part No	Old No	FPT	Hole Dia
8.705-336.0	141232	1/2"	1-5/8"
8.705-338.0	141234	3/4"	1-5/8"
8.705-144.0	140430	3/4"	1-3/4"
8.705-145.0	140432	1"	1-3/4"
8.705-339.0	141236	1"	2-1/2"
8.705-341.0	141238	1-1/4"	2-1/2"
8.705-342.0	141240	1-1/2"	2-1/2"
8.705-146.0	140434	1-1/2"	3"
8.705-147.0	140436	2"	3"
8.705-343.0	141242	2"	3-1/8"

Gaskets for Above

8.705-337.0	141233	Fits 1/2", 3/4"
8.705-340.0	141237	Fits 1", 1-1/4", 1-1/2"
8.705-344.0	141243	Fits 2"

## Brass Bulkhead / Tank Fittings

- Use to drain or remove liquids from tanks, drums, etc.
- Heavy-duty brass
- Includes nut and aluminum grip washer



Part No.	Old No	Overall Length	Mounting Hole Dia
8.705-139.0	140417	1/8" x 1.5"	5/8"
8.705-140.0	140419	1/4" x .94"	3/4"
8.705-141.0	140420	1/4" x 1.5"	3/4"
9.802-149.0	140421	3/8" x 1.3"	1"
9.802-150.0	140422	1/2" x 1.5"	1-1/8"

NOTE: Installation requires access to inside of tank.

## Diaphragm Check Valves – Nylon

For drip-free spraying.

- 125 PSI
- 2 GPM
- 10 PSI opening pressure
- Nylon body, polypropylene end cap – EPDM – diaphragm
- 1/4" MPT inlet, 11/16" — 16 male outlet nozzle thread
- Spring-backed diaphragm for positive action



Part No	Old No	Description
8.709-377.0	310851	Diaphragm Check Valves

- DO NOT USE ... Polypropylene for: gasoline, nitric acid, trichlorethylene, toluene, aromatic hydrocarbons or kerosene. Polypropylene "P" — black/glass reinforced.
- DO NOT USE ... Nylon for: hydrochloric acid, chlorine, fluorine, nitric, xylene or phosphoric or sulfuric acids. Nylon 6/6 "N" white/natural color.

## Twin-Diaphragm Spot Spray Pump

**FLOJET**

- 1 GPM (open)
- 35 PSI (#8 tip)
- 3/8" hose barb inlet/outlet
- Self-priming to 2.5 feet
- Operating temperature 40°-110°F
- Liquid temperature 110°F max
- 5 Amp fuse
- 1.3 lbs. dry weight
- Compact automatic on-demand operation
- Sealed pressure switch automatically stops pump when discharge valve opens and closes
- Self-priming so pump can be located above supply tank
- Can run dry for extended periods without damage
- Built-in thermal protection on 12V DC motor
- Low-Amp draw ( 2.5 @ 25 PSI, 4.0 @ 35 PSI)
- Chemical-resistant valves and diaphragm



Part No.	Old No	Description	Open Flow
8.702-326.0	100880	Spot Spray Pump,	1.0
			Max 35 PSI, 12 V DC

## Plastic Fittings

For cater and chemical supply lines. Ideal for use with most alkaline-based detergents, most agricultural chemicals, ethanol, and most ammonium and sodium-based compounds.

■ 150 PSI

■ 140°F max @ 90 PSI

■ 90°F max @ 150 PSI



Part No	Old No	Description	Barb x MPT
<b>Hose Barbs – Barb x MPT</b>			
8.705-262.0	141077P	Poly	1/4" x 1/4"
8.705-264.0	141080P	Poly	1/4" x 3/8"
8.705-263.0	141078P	Poly	3/8" x 1/4"
8.705-265.0	141081P	Poly	3/8" x 3/8"
8.705-268.0	141084P	Poly	1/2" x 3/8"
8.705-270.0	141086P	Poly	5/8" x 1/2"
8.705-277.0	141102N	Nylon	1/4" x 1/4"
8.705-280.0	141105N	Nylon	1/4" x 3/8"
8.705-278.0	141103N	Nylon	3/8" x 1/4"
8.705-281.0	141106N	Nylon	3/8" x 3/8"
8.705-284.0	141110N	Nylon	3/8" x 1/2"
8.705-282.0	141107N	Nylon	1/2" x 3/8"
8.705-285.0	141111N	Nylon	1/2" x 1/2"
8.705-288.0	141117N	Nylon	1/2" x 3/4"
8.705-283.0	141108N	Nylon	5/8" x 3/8"
8.705-286.0	141112N	Nylon	5/8" x 1/2"
8.705-289.0	141118N	Nylon	5/8" x 3/4"
8.705-287.0	141113N	Nylon	3/4" x 1/2"
8.705-290.0	141119N	Nylon	3/4" x 3/4"
8.705-291.0	141120N	Nylon	1" x 3/4"
<b>90° Barb x MPT Elbows</b>			
8.705-293.0	141125P	Poly	1/4" x 1/4"
8.705-296.0	141130P	Poly	1/4" x 3/8"
8.705-294.0	141126P	Poly	3/8" x 1/4"
8.705-298.0	141131P	Poly	3/8" x 3/8"
8.705-301.0	141136P	Poly	3/8" x 1/2"
8.705-295.0	141127P	Poly	1/2" x 1/4"
8.705-299.0	141132P	Poly	1/2" x 3/8"
8.705-303.0	141137P	Poly	1/2" x 1/2"
8.705-307.0	141141P	Poly	1/2" x 3/4"
8.705-304.0	141138P	Poly	5/8" x 1/2"
8.705-308.0	141142P	Poly	5/8" x 3/4"
8.705-305.0	141139P	Poly	3/4" x 1/2"
8.705-310.0	141143P	Poly	3/4" x 3/4"
8.705-297.0	141131N	Nylon	3/8" x 3/8"
8.705-300.0	141136N	Nylon	3/8" x 1/2"
8.705-302.0	141137N	Nylon	1/2" x 1/2"
8.705-306.0	141141N	Nylon	1/2" x 3/4"
8.705-309.0	141143N	Nylon	3/4" x 3/4"

Part No	Old No	Description	Barb x MPT
<b>HEX Nipple – MPT x MPT</b>			
8.705-316.0	141184P	Poly	1/4" x 1/4"
8.705-317.0	141185P	Poly	3/8" x 3/8"
8.705-323.0	141190P	Poly	1/2" x 3/8"
8.705-319.0	141186P	Poly	1/2" x 1/2"
8.705-326.0	141193P	Poly	3/4" x 1/2"
8.705-321.0	141187P	Poly	3/4" x 3/4"
8.705-324.0	141191N	Nylon	1/2" x 1/4"
8.705-322.0	141190N	Nylon	1/2" x 3/8"
8.705-318.0	141186N	Nylon	1/2" x 1/2"
8.705-320.0	141187N	Nylon	3/4" x 3/4"
<b>Elbows – Barb x Barb</b>			
8.705-335.0	141216P	Poly	3/8" x 3/8"
<b>Tees Barb x Barb x Barb</b>			
8.705-329.0	141207P	Poly	1/2" BxBxB
8.705-332.0	141215P	Poly	3/4" BxBxB
8.705-327.0	141202N	Nylon	1/4" BxBxB
8.705-328.0	141205N	Nylon	3/8" BxBxB
8.705-334.0	141216N	Nylon	3/4" BxBxB
<b>"Push-On" Hose Barbs – (Normally does not require clamps)</b>			
8.705-346.0	141305N	Nylon	1/4" Bx1/4" FPT