



Irrigation
direct.com.au

Hydrostatic **POWEROLL**[®]



WADE  **RAIN**
IRRIGATION SYSTEMS

INDEX

Powerroll 7-10

Band Locks Centre	Page 7
Feed Kits	Page 8
Complete Units	Page 5
Couplers 59 Series	Page 7
Drain Plugs End	Page 10
Adaptors End	Page 8
Plugs Engine	Page 7
Covers Hose	Page 6
Adaptors Hose Kits	Page 11
Hub Adaptors	Page 11
Mover Units	Page 11
Reinforcing Bands	Page 6
Riding Stands	Page 11
Sprinkler Levellers	Page 6
Stabilizer Bars	Page 12
Walking Chains	Page 12
Wheels	Page 12
	Page 9,10

Parts 13-16

Drain Valve	Page 13
End Plug	Page 13
Gaskets	Page 14
Mover	Page 15,16
Sprinkler Leveller	Page 13

Valves 17

Aluminium Tube 18

Wade Rain Poweroll



Introducing The Poweroll

The Poweroll is a mechanized sprinkler irrigation system that takes the hard work out of moving sprinkler irrigation pipe. Capable of running on all types of soils and irrigating all but tall crops such as corn and sugar cane, Poweroll operates efficiently in square fields and economically in fields as small as 15 acres.

A great advantage of Poweroll is its simplicity. Poweroll provides semi-mechanized irrigation without the use of an electric motor or the need for sophisticated technical support. Driven by a small 6 horsepower or 7 horsepower gasoline engine, Poweroll operation is easy to understand and maintain. This simplicity makes Poweroll an ideal choice for the modern technical irrigation of agricultural crops in any location.

The Benefits of Using The Wade Rain Poweroll

- 1 Simple to operate and maintain
 - . Conserves Water
- 2 Operates on all soils
 - . Operates in square or rectangular fields
- 3 Economical in fields as small as 15 acres
 - . Takes the hard work out of moving sprinkler irrigation pipe
- 4 Irrigates most crops except tall ones such as corn and sugar cane
 - . Proven system with over 40 years of successful use
- 5

.
6

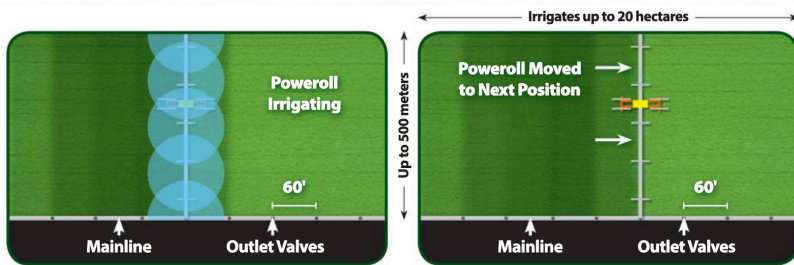
.
7

Operation

The Powerroll is an aluminium sprinkler line mounted on wheels

which irrigates in place. A mover unit powered by a small gasoline engine is located in the centre of the line. The sprinkler line is connected to a supply or mainline by a flexible hose.

When an irrigation run is completed (usually 8 to 12 hours), the operator turns the line over, carries the connector hose to the next operating position along the mainline, and then walks to the centre of the line and starts the mover engine. Maintaining control with hydrostatic transmission, the operator rolls the entire line across the field to the next irrigating position, usually 60 feet. Then the operator returns to the mainline, reconnects the hose, and starts the next irrigation run. The whole moving procedure takes about 20 minutes of work.



When the Powerroll line has covered the entire field, the operator then reverses the line and travels back to the original starting point where the system is ready for the next irrigation cycle.

Powerroll Features

Wade Rain Powerroll is the leader in mechanized sprinkler irrigation systems because its key features provide smooth operation, low maintenance and high reliability for the owner.



Hydrostatic Transmission

Hydrostatic transmission applies the amount of torque needed to move the load. The operator regulates speed and power to fit the load and contour of the land, maintaining far better control and delivering more working horsepower than is possible with hydraulic units.

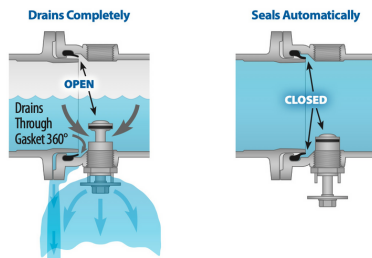
Wade Rain Hydrostatic Transmission gives you smooth speed changes - from full forward through zero to full reverse- all with a single control. Pick your speed from less than one foot per minute to 65 feet per minute.



Double Draining Couplers



Wade Rain Powerroll comes with double-draining couplers. Double-draining couplers drain both from the coupler gasket and from the drain valve. This means your wheel line will drain quickly and completely, so that you can move your wheel line to its next position. A typical wheel line with 4 inch pipe takes 8 1/2 minutes to drain while a 5 inch wheel line takes 15 minutes.



Automatically self-draining, the couplers seal when water pressure is turned on and drain when water pressure is turned off. The couplers will not leak due to misalignment of the line, and do not rely on a mechanically compressed gasket. A large drain opening provides fast draining and extra clearance for removal of material clogging the line.

Powerroll gives you double draining all the way around so that the line drains through the gasket 360 degrees and in any position quickly and completely. This means your wheel line will still drain fast even if it is misaligned and the drain valves aren't facing the ground.

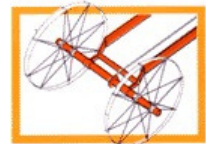


Dual Rail Frame

The Wade Rain Powerroll mover unit combines Hydrostatic Transmission with a dual-rail frame over a 14-foot wheel base to enable you to pull out of the mud and wet ground with full power at a slower speed, and then adjust to high speed on dry ground.

The longer frame gives you more power, through

increased leverage, to roll the line and keep the mover unit up with the line. The extra long dual-frame of Wade Rain's Powerroll mover has two lock bearings for each tail wheel axle, to assure easy alignment and better tracking. Reduces crop damage and labor.



Couplers

Male-by-female coupler connection makes line assembly and take down easy. The



connection does not rely on clamp pressure to seal the line, and the recessed gasket will not come out when the coupler is disassembled.

Both couplers are available in 4-inch and 5-inch sizes as well as bolt-together and clamp types, and are cast in strong, lightweight, corrosion-resistant aluminium.

Deep Groove Wheels



Strong rims with deep corrugations give greater strength with lighter weight. The construction design helps the wheel resist denting in rocky soil or twisting out of shape when axial loads are applied, preventing flattening between the spokes, collapsing or figure-eight

Powerroll Installation

Powerroll is designed to be simple to operate and maintain. It is also simple to install. No special tools or equipment such as a boom truck are required, meaning that Powerroll can be located in rural areas where minimal infrastructure is needed for successful operation.

Benefits of Being with Wade Rain

Wade Rain Powerroll is backed by Wade Rain's long leadership in the sprinkler irrigation industry, over 60 years. Powerroll has been tested on a great variety of crops and growing conditions all over the world. From its solid base of domestic and international experience, Wade Rain offers Powerroll as a proven solution to many of today's modern farming irrigation needs.



MODEL 70 HYDROSTATIC MOVER UNIT complete

Painted Chassis

Galvanised Chassis

STARTER PIPE KIT (mover to sprayline) Consisting of: -
2 – 6m x 5" U.S Alum. Torque tube w/- fitted Couplings
& Hub adaptors, Sprinkler kit, Leveller & Drain valve.

5" SPRAYLINE SECTION COMPLETE Consisting of: -

1 – 11.7m x 5" U.S. Alum. Torque tube w/- fitted Couplings,
Sprinkler kit, Leveller, Drain valve & 11.7m Wheel assembly 5"

SPRAYLINE SECTION (max. system length 400m) Consisting of: -
1 – 12m x 5" Aust. Alum. Torque tube w/- fitted Couplings,
Sprinkler kit, Leveller, Drain valve & 76" Wheel assembly.

END FEED KIT completes w/- 6m hose

CENTRE FEED KIT completes w/- 6m hose

OPTIONAL EXTRAS: -

Riding stand

Stabilizer bar

Bandlock

Extra wheels

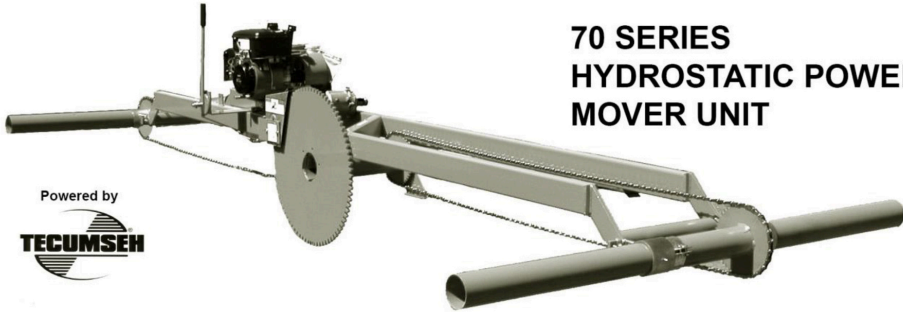
The above equipment contains imported components and changes in exchange rates may necessitate pricing adjustments without

notice. Please confirm prices when quoting.

All prices plus 10% G.S.T.

WADE RAIN

POWERROLL



**70 SERIES
HYDROSTATIC POWERROLL
MOVER UNIT**



Wade Rain Hydrostatic Mover complete with commercial quality engine, dual rail mover frame with 14 foot wheel base and twin bearing design. Hydrostatic transmission prefilled at factory, no additional hydraulic fluid required. Motor and transmission pre-assembled.

WARNING:
ENGINE COVER
REQUIRED FOR
OPERATOR SAFETY

Part Number	Weight
70-76	6HP for 76" diameter wheel size 567 lbs...



Plastic Engine Cover for 70 Series Mover

Part Number	Weight	\$
70-404 (For units prior to s/n 12859)	25 lbs.	
Order 70-404 for ALL NEW Mover Units		

70-FC (For units after s/n 12859) 39 lbs.
Replaces units w/fiberglass engine covers . Includes new plastic cover, bolt-on hinge brackets and new style shift handle and linkage.
CANNOT BE SHIPPED UPS.

Retrofit Gear Guard



WARNING: Gear Guard should be installed on all Model 70 units to prevent serious injury which could result if the operator attempts to use the unit improperly without the yellow safety cover in place.



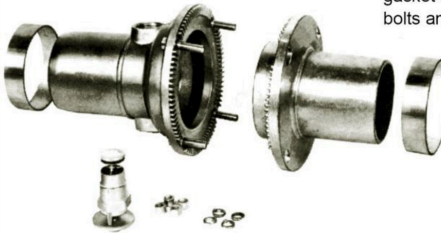
Part Number	Weight
70-555 Complete Gear Guard Set.....	3 lbs.
The Retrofit Gear Guard should be installed on all Model 70 Mover Units, regardless of age. Contact Wade Mfg. Co. for delivery of Gear Guards, for any new or used Model 70 Series Mover Units.	

Riding Stand for 70 Series Mover

Part Number	Weight
70-RS	25 lbs.

58 Series Bolt-Together Tooth/Flange Powerroll Coupler

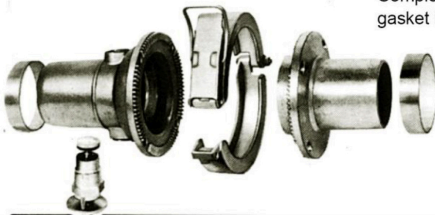
Complete coupler set includes male and female halves with fast draining gasket installed, automatic drain valve, two press bands and nuts, bolts and lock washers.



Part Number	Weight	Pieces per Carton	Size
58-4PR.....	7.2 lbs.	16	4"
58-5PR.....	8.2 lbs.	16	5"
58-4PRM.....	Male half only.....		4"
58-4PRF.....	Female half only w/gasket.....		4"
58-5PRM.....	Male half only.....		5"
58-5PRF.....	Female half only w/gasket.....		5"

58 Series Band-Lock Tooth/Flange Powerroll Coupler

Complete coupler set includes male and female halves with fast draining gasket installed, band-lock, automatic drain valve and two press bands.



Part Number	Weight	Pieces per Carton	Size
58-4FWTD.....	9.2 lbs.	16	4"
58-5FWTD.....	10.2 lbs.	16	5"



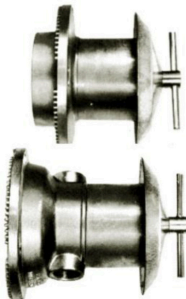
Band-Lock Only for 58 Series Coupler

One size band-lock fits both 4" and 5" 58 Series Coupler.

Part Number	Weight	Pieces per Carton	Size
58-4-2S.....	2.0 lbs.	12	4" and 5"

Powerroll End Plug for 58 Series Coupler

One size End Plug fits both 4" and 5" 58 Series Coupler



Part Number	Weight	Size
59-5PRM Male end plug w/flush valve...	4.7 lbs.....	4" and 5"
59-5PRF Female end plug w/flush valve...	5.3 lbs.....	4" and 5"

See pages 82 in Parts Section for parts

58 SERIES TOOTH/FLANGE FITTINGS

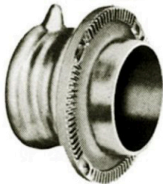
Powerroll End Adapter for 58 Series

Adapter used for telescope or hose connection on end of line.
To use for telescope adapter, standard female end must be one size smaller than Powerroll end.



Female End Adapter

Part Number	Powerroll Line Size	Adapter Size	Weight
58-4-3 PRF	...4" and 5"Female	...3" Female	.....3.2 lbs. ...
58-5-4 PRF	...4" and 5"Female	...4" Female	.....3.2 lbs. ...



Male End Adapter

Part Number	Powerroll Line Size	Adapter Size	Weight
58-4-3 PRM	...4" and 5"Male	... 3" Female	.....2.7 lbs. ...
58-5-4 PRM	...4" and 5"Male	... 4" Female	.....2.7 lbs. ...



Female End Adapter—Hook Style

Part Number	Powerroll Line Size	Adapter Size	Weight
58-4-3 PRF-H	...4" and 5"Female	...3" Female	.....3.2 lbs.
58-5-4 PRF-H	...4" and 5"Female	...4" Female	.....3.2 lbs. .



Male End Adapter—Hook Style

Part Number	Powerroll Line Size	Adapter Size	Weight
58-4-3 PRM-H	...4" and 5"Male	... 3" Female	.....2.7 lbs. ...
58-5-4 PRM-H	...4" and 5"Male	... 4" Female	.....2.7 lbs. ...



Center Feed — Male by Female

Adapter will fit both 4" and 5" lines. 4" inlet is 45° from 1" Sprinkler Outlet

Part Number	Weight	Line Size	Inlet Size
2-5-4-58P	..... 9.0 lbs. ....	..... 5" .....	..... 4" Knob
2-5-4-58PHL	.....9.1 lbs. ....	..... 5" .....	..... 4" Hook

Reducers:

58 Series 4" and 5" Couplers have identical gasket cavities and serrations.
No special reducer fittings required!

POWERROLL WHEEL COMPONENTS



Powerroll Wheel Rim

Rim half only, double punched.

Part Number	Wheel Gauge	Diameter	Weight	List Price Ea.
27-76-1	18	76"	11.7 lbs.	

Powerroll Wheel Spokes

3/8" diameter spokes for standard wheel. 16 spokes required for 46", 57"

Part Number	Wheel Size	Hub Size	Pieces per Wheel	Overall Length	Weight
27-37-76	76"	4" or 5"	20	37"	1.1 lbs.



Powerroll Wheel Hub Clamps

Hubs are punched for both 16 spoke and 20 spoke wheels. 4 clamps required per wheel.

Part Number	Pieces per Box	Weight	Size
27-4-4	35	1.0 lb.	4"
27-5-5	35	1.2 lb.	5"



Powerroll Wheel Lugs

(Made from heavy duty 12 ga. galvanized steel.)

Part Number	Weight	Pieces per Box
27-4-1 Bare Lug	.2 lb.	175

Note: Requires two 3/8 x 1 CS w/nuts when used for double lugging. See page 4 in Parts Section.

WADE RAIN

POWERROLL

POWERROLL WHEELS

Complete Powerroll Wheels

Prices include a set of 8 lugs for 46", 57" and 64' diameter wheels; and a set of 10 lugs for 76" diameter wheels. All wheels are double punched for an additional set of lugs. Wheels are shipped knocked down.



Part Number	Gauge	Hub Size	Wheel Diameter	Weight
-------------	-------	----------	----------------	--------

27-5-76	18	5"	76"	56 lbs
---------	----	----	-----	--------

Wheelsign Set (2).....70-752..... includes two signs & fasteners...



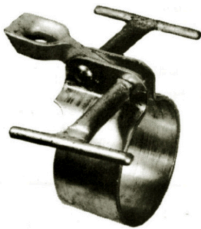
Powerroll Drain Valve

18-1 spring loaded drain valve standard on Wade/Rain Powerroll.

Part Number	Weight	Size
-------------	--------	------

18-1	0.4 lb	1"
------	--------	----

See pages 82 in Parts Section for parts



Powerroll Ring with "T" Handle for Telescoping Feed

Part Number	Weight	Size
-------------	--------	------

For "T" Handle only, see page 82 (Parts section)



Powerroll Center Outlet for Quick Take-Down Powerroll

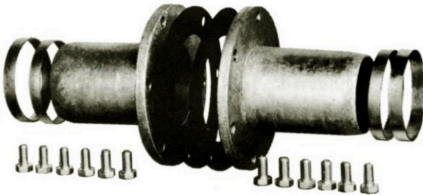
Part Number	Weight	Outlet Size	Tubing Size
-------------	--------	-------------	-------------

13-4 TD	2.2 lb	1"	4"
---------	--------	----	----

13-5 TD	2.5 lb	1"	5"
---------	--------	----	----



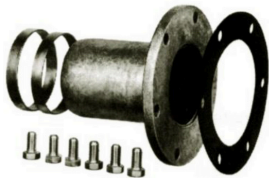
POWERROLL



Powerroll Hub Adapter Set for Mover Unit

Complete set includes two adapters, two gaskets, four steel reinforcing bands and twelve 1/2" x 1" N.C. bolts.

Part Number	Weight	Size
70-11-4.....	15.0 lbs.....	4"
70-11-5.....	17.0 lbs.....	5"



Powerroll Single Hub Adapter Only

Single hub adapter for use with end control mover on 4" diameter wheel line. Includes one hub adapter, one gasket, two steel reinforcing bands and six 1/2" x 1" N.C. bolts.

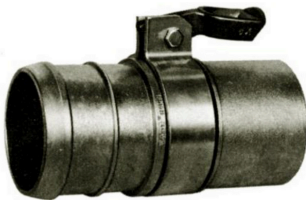
Part Number	Weight	Size
70-11-4E.....	7.0 lbs.	4"
70-11-5E.....	8.0 lbs.	5"



Reinforcing Bands Only

Aluminum reinforcing bands are used for pressing aluminum Powerroll couplers. Steel reinforcing bands are used for pressing steel hub adapters.

Part Number		
28-4-1A.....	Aluminum.....	4"
1-5MP-1.....	Aluminum.....	5"
28-4-1S.....	Steel	4"



Powerroll Hose Adapters

Cast aluminum hose adapter includes adapter with swivel ring and latch.

Part Number	Weight	Size
49-6CX Knob Style.....	2.2 lbs.	4"
49-6G Hook Style.....	2.2 lbs.	4"

Hose clamps not included. Order 4-1/2"clamps shown below.



Angus Powerroll Hose

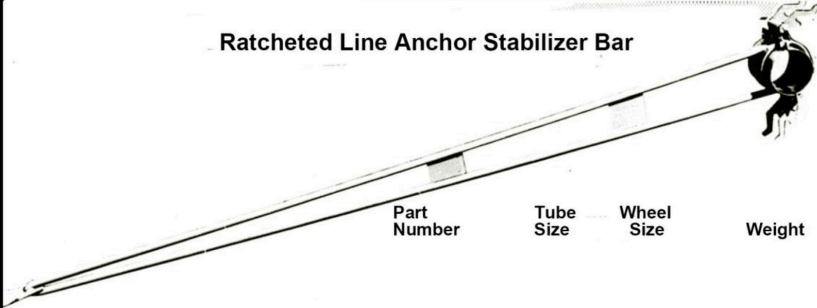
Angus "Armour Guard" Hose in 4" inside diameter by 20 foot lengths. Pre-assembled with WadeRain cast aluminum hose ends with sleeve connection. This light-weight, 200 PSI working pressure hose, carries a 2-year warranty.

Part Number	Description	Weight
49-20-4CX...	Hose Assembly w/Knob Latch ...	25.0 lbs. ...
49-20-4G ...	Hose Assembly w/Hook Latch ...	25.0 lbs. ...

WADE RAIN

POWERROLL

Ratcheted Line Anchor Stabilizer Bar



Part Number	Tube Size	Wheel Size	Weight
22-5-76	5"	76"	32.1 lbs...

Sprinkler Levelers



Part Number	Weight	Pieces per Carton	Size
L-75	2.5 lbs.	33	3/4"



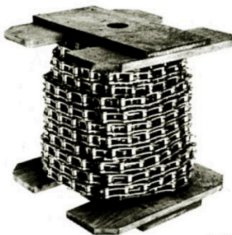
Sprinkler Leveler Set

Set includes the Wade Rain L-75 Sprinkler Leveler, Nelson's F33S Sprinkler with 3RN Nozzle and a SLE 1-12S Sprinkler Leveler Elbow. (Shipped KD)

Part No.	Description	Pieces per Carton
----------	-------------	-------------------

Nickel-Plated Drive Chain in Bulk Roll

No. 2050 roller chain in convenient bulk form may be cut in any length to replace or repair drive chains on any model of Powerroll. Roll includes 10 spring clip Connecting Links.



Part Number	Weight	Length
RD-2050S-WP...	Wade Drive Chain ..2 (1.5) Required.....	

Connecting Links

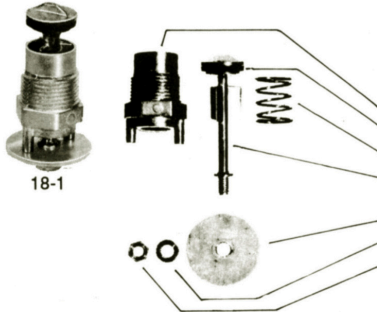
Spring clip type.

Part Number	Description
70-6	#2050 Connecting Link
70-6-25	#2050 Connecting Link (pkg of 25)
70-2050-OL	#2050 Offset Link(Full)
70-50-OL	#50 Offset Links (Half)
70-50-HL	#50 Half Link



POWERROLL PARTS

Drain Valve Parts



Part Number	Description	Weight	List Price Ea.
#18-1 Drain Valve			
18-4-2	1" Sleeve	0.2 lbs.	
18-4-6	Rubber Gasket		
18-4-4	Spring		
18-4-3	Spider	0.1 lbs.	
18-1-5	Dispersion Plate	0.1 lbs.	
18-1-7	Lock Washer		
18-1-8	Nut		

#18-0-5 Drain Valve



18-0-5	Complete Drain	.6 lbs.	
18-0-6	1" Rubber Spider	0.1 lbs.	
18-0-5T	Drain Valve Top	.3 lbs.	
18-0-5B	Drain Valve Bottom	.3 lbs.	

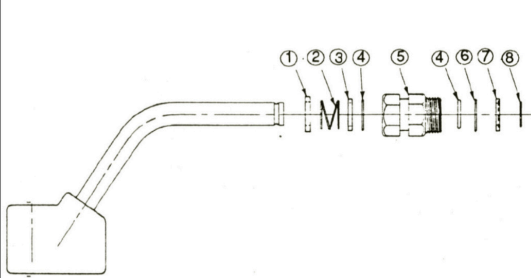
Texas T-Handle for Telescoping Feed

Part Number	Description	Weight
20-3-25T	5/16" T-Handle	0.25 lbs.
20-5-25T	3/8" T-Handle	0.25 lbs.

Powerroll End Plug Parts

Part Number	Description	Weight
29-4SP	Splash Plate	0.2 lbs.
10-4-5SS	Long Handle Stem Screw	1.2 lbs.

L-75 Sprinkler Leveler Parts



Part No.	Description	No.
659	Repair Kit Consisting of following:	
653	Spring Stop Washer	①
654	Stainless Spring	②
655	Rubber Washer	③
656	Teflon Washer (2 req.)	④
657	Hex Bearing	⑤
659-8	O- Ring	⑥
658	Brass Retainer Washer	⑦
659-10	Stainless Snap Ring	⑧



GASKETS

Wade'Rain fittings feature controlled draining with a gasket designed for every irrigation use. Correct gasket selection assures the degree of draining required for best coupler performance.
INTERCHANGEABLE GASKETS: Gaskets can be interchanged to control the degree of draining. For example, Mainline gaskets could be used in lateral line couplers to drain the line slowly in place of Fast Drain gaskets which are standard.
 Only gaskets with cross sections 1, 2 or 3 are interchangeable.
Note: Do not substitute irrigation gaskets for Quicklock application.

Cross Section	Mostly Used On	Color	Key	Drainage	Sizes	Seal Pressure	Max. Working Pressure
#1	Lateral Line	Black	L	Normal Fast	3" thru 6"	3 to 4 psi	125#
#1	Mainline	Black	M	Normal Slow	2" thru 10"	2 to 3 psi	125#
#2	Flow Line	Black	MT	Very Slow	2" thru 6" 8" and 10"	0 psi	125#
#3	Powerroll	Black	F	Very Fast	3" thru 5"	5 to 6 psi	125#
#4	Bolt-on Lateral (Clamp-End) and 1-1/2" Solid Set	Black	JL	Slow	1-1/2" thru 6"	1 to 2 psi	125#



#1 CROSS SECTION (L&M) LATERAL LINE GASKETS (Normal Fast)

Gasket No.	Size	Material	Weight
1-6-3L	3"	Molded Rubber	1.0 oz.
1-6-4L	4"	Molded Rubber	1.5 oz.
1-6-5L	5"	Molded Rubber	2.0 oz.
1-6-6L	6"	Molded Rubber	3.0 oz.

MAINLINE GASKETS (Normal Slow)

Gasket No.	Size	Material	Weight
1-6-2M	2"	Molded Rubber	0.5 oz.
1-6-3M	3"	Molded Rubber	1.0 oz.
1-6-4M	4"	Molded Rubber	1.8 oz.
1-6-5M	5"	Molded Rubber	2.0 oz.
1-6-6M	6"	Molded Rubber	3.0 oz.
1-6-7M	7"	Molded Rubber	3.8 oz.
1-6-8M	8"	Molded Rubber	4.5 oz.
1-6-10M	10"	Molded Rubber	5.5 oz.



#2 CROSS SECTION (MT) SOLID SET & FLOW LINE GASKETS (Very Slow)

Gasket No.	Size	Material	Weight
1-6-2MT	2"	Molded Rubber	1.0 oz.
1-6-3MT	3"	EPDM	1.5 oz.
1-6-4MT	4"	Molded Rubber	2.0 oz.
1-6-5MT	5"	Molded Rubber	2.5 oz.
1-6-6MT	6"	Molded Rubber	3.0 oz.
1-6-8MT	8"	Molded Rubber	4.5 oz.
1-6-10MT	10"	Molded Rubber	5.5 oz.

CHEVRON GASKETS

For use with Wade'Rain Foot Valves and Suction Elbows

Part No.	Size	Weight
10-6-3U	3"	0.1 lbs.

#3 CROSS SECTION (F)

LATERAL LINE & POWERROLL GASKETS (Very Fast)



Gasket No.	Size	Material	Weight
1-6-3F	3"	Molded Rubber	1.0 oz.
1-6-4F	4"	Molded Rubber	1.5 oz.
1-6-4/5F	4-1/2"	Molded Rubber	1.7 oz.
1-6-5F	5"	Molded Rubber	2.0 oz.

*Order for all 58 Series Couples



#4 CROSS SECTION (J)

BOLT-ON END COUPLER GASKETS (Couplers having double bolt type clamp) Replaces "O" Ring Gaskets

Gasket No.	Size	Material	Weight
1-6-2J	2"	Molded Rubber	1.0 oz.
1-6-3J	3"	Molded Rubber	1.5 oz.
1-6-4J	4"	Molded Rubber	2.0 oz.
1-6-5J	5"	Molded Rubber	2.5 oz.
1-6-6J	6"	Molded Rubber	3.0 oz.

SOLID SET GASKETS

1-6-1J	1-1/2"	Molded Rubber	0.5 oz.
--------	--------	---------------	---------

POWERROLL HUB ADAPTER GASKET

Gasket No.	Size	Material	Weight
50-28	4" & 5"	Reinforced Rubber	2.0 oz.

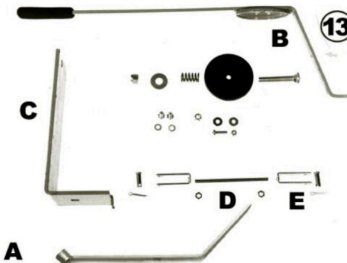
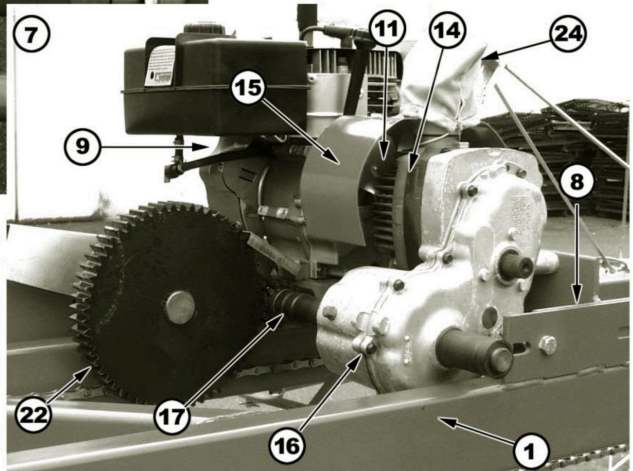
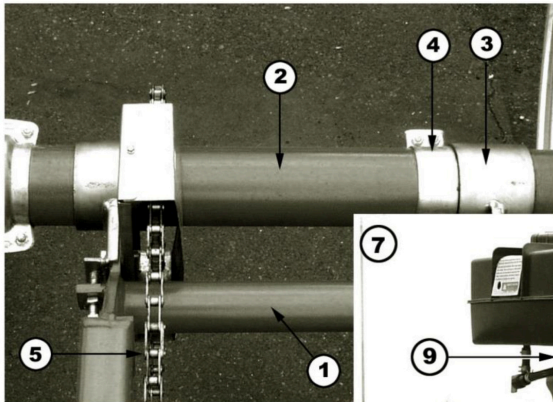


DRESSER TYPE GASKETS

For use with Wade'Rain Foot Valves and Suction Elbows

Part No.	Size	Weight
10-6-3K	3"	0.1 lbs.
10-6-4K	4"	0.2 lbs.
10-6-5K	5"	0.25 lbs.
10-6-6K	6"	0.4 lbs.
10-6-8K	8"	0.5 lbs.

70 SERIES HYDROSTATIC POWERROLL MOVER

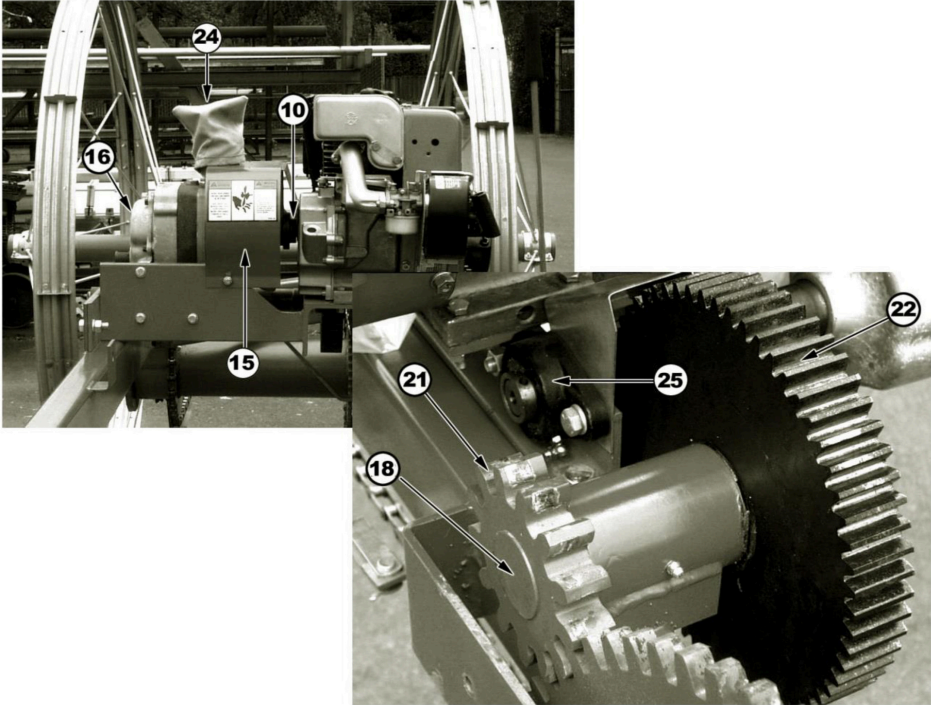


Item	Part Number	Description	Weight
1	70-395	Main Frame	300.0 lbs.
2	70-396-14	Tail Wheel Axle	26.0 lbs.
3	70-396-15	Tail Wheel Bearing	4.0 lbs.
4	70-4	Tail Wheel Clamp	1.0 lbs.
5	70-5	Tail Wheel Chain (157 links plus attach)	7.2 lbs.
	70-6	Master Link	0.05 lbs.
7	70-6MT	6 HP Engine Package	140.0 lbs.
7	70-7MT	7 HP Engine Package	140.0 lbs.
8	70-402	Motor Base	22.7 lbs.
9	70-9-6	Engine 6 HP Manual Start	44.0 lbs.
9	70-9-7	Engine 7 HP Manual Start	45.0 lbs.
10	70-10	Flex Coupling, complete	1.0 lbs.
10	70-10-1	Flex Coupling, Rubber only	0.4 lbs.
11	70-11	Fan only	1.0 lbs.
	70PB	Parts Box	
13*	70-488	Complete Shift Lever Assembly	
13A	70-485	Linkage Weldment	
13B	70-486	Shift Handle	
13C	70-487	Base Bracket	
13D	70-400-1	Clevis Rod	
13E	70-400-2	Clevis	
	70-7-1	Parts Bag with spring, N & B, pins	
	70FC	Retrofit plastic engine cover to replace fiberglass covers	
	70-747	Retrofit hinge kit only for cover conversion (included in 70-FC)	

*Shift lever parts for units SN# 12859 (pre 1981) are not available. Order 70-488 shift lever assembly to convert to new style.

** Engine Cover 70FC includes P/N 70-404, Conversion Hinges and P/N 70-488 Shift Lever Assembly for use on units with Serial Nos. prior to 12860.

70 SERIES HYDROSTATIC POWERROLL MOVER



Item	Part Number	Description	Weight
14	70-12S	Hydrostatic Transmission	22.1 lbs.
15	70-408	Fan Guard	2.2 lbs.
16	70-14S	Reduction Unit	30.0 lbs.
17	70-15	Pinion gear	1.4 lbs.
18	70-411	Jack Shaft	5.5 lbs.
	70-396-11	Jack Shaft Bushing	1.5 lbs.
	70-412	Jack Shaft Bushing Assembly	5.0 lbs.
	70-24	Main Drive Pinion	3.0 lbs.
22	70-396-1	Gear 45 Tooth (for 57" wheels)	17.9 lbs.
22	70-396-2	Gear 60 Tooth (for 64" & 76" wheels)	32.2 lbs.
	70-26PBR	Pulley Bracket Repair Kit (not shown)	0.81 lbs.
24	70-30	Canvas Sock	0.62 lbs.
25	70-402-7	McGill Bearing	1.0 lbs.
	70-395-13	Main Drive Gear 82 Tooth	
	70-395-22	Main Hub Assembly	122.0 lbs.
	70-482	Engine Shut-off Switch with Boot	
	70-555	Gear Guard Set	
	70-419	500 Bore Flex Coupling Flange	
	70-419-2	750 Bore Flex Coupling Flange (std for model 70)	
	80-544-49	1000 Bore Flex Coupling Flange	
	70-389	Tail Wheel Chain Guard	2.5 lbs.
	9401540230	Snap Ring (on Jack Shaft)	

•Shift Lever parts
70-399 used on units
S/N 12859 and lower.

VALVE OPENERS FOR 4" ⚡ "P" SERIES HYDRANTS AND TEES KNOB STYLE LATERAL

OUTWARD OPENING (⚡)

Valve opener comes complete with locking lever and "F" gaskets. Use with outward opening Mainline valves and Knob series lateral line.

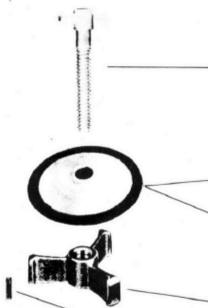


Valve Opening Elbows

Part Number	Valve Size	Lateral Size	Weight	Pieces per Carton
3-6-2 EH	4" ⚡	2"	8.8 lbs.	6
3-6-3 EH	4" ⚡	3"	8.6 lbs.	6
3-6-4 EH	4" ⚡	4"	9.4 lbs.	6

Tee Valve and Hydrant Parts

OUTWARD OPENING (⚡)



Part Number	Description	Weight
10-4-5S	Valve Stem Screw (Plated Steel)	0.6 lb.
10-4-5SB	Valve Stem Screw (Brass)	0.6 lb.
10-4-5S and 10-4-5SB are for all outward opening tee valves and hydrants		
10-4-5SS	Valve Stem Screw, long handle	1.2 lbs.
For Powerroll End Plugs		
10-4-7AS	3" Molded Rubber & Steel Valve Disc	0.7 lb.
For 7-3S 3" hydrant		
10-4-7BS	4" Molded Rubber & Steel Valve Disc	0.5 lb.
For all 4" outward opening tee valves and hydrants		
10-5-29	Spider	0.5 lb.
For all 4" outward opening tee valves and hydrants		
10-5-30	Stainless Steel Roll Pin for 10-5-29	0.11 lb.

STANDARD 4" ⚡ "P" SERIES ALUMINUM HYDRANT

OUTWARD OPENING (⚡)

4" ⚡ Hydrant with 3" Female Thread

For use with buried Mainline and threaded Male Riser. Inlet side is threaded standard female pipe size.



Part Number	Valve Size	Thread Size	Weight	Pieces per Carton
7-4 PF	4" ⚡	3"F.	3.2 lbs.	24
7-4 PE	4" ⚡	4"F.	5.0 lbs.	18

Aluminium Torque Tubing

5" x 11.7m American Torque Tubing With Coupler

5" x 5.85m American Starter Pipe Female

5" x 5.85m American Starter Pipe Male

Aluminium Torque Tubing

3" x 9m American Tubing..... 4" x 9m

American Tubing.....