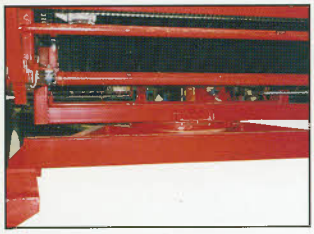
STRENGTH
SIMPLICITY
DEPENDABILITY

3000 Series Hard Hose Travellers

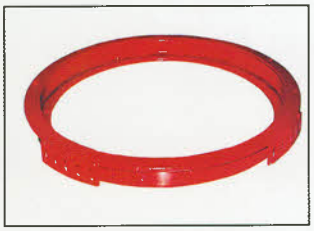
Cadman

Since 1952

3000 Series Hard Hose Travellers



RUGGED FRAME
The lower frame is constructed of heavy wall 3 x 6 inch tubing. The upper frame is constructed of mainly 3 x 5 inch tubing. The use of steel tubing gives all Cadman Travellers higher torsional strength than typical I-beam constructions.



TURNTABLE
All Cadman Travellers are equipped with ball-bearing turntables. With multiple locking positions and a centrally located lock pin, positioning of the Traveller is made simple and easy.

HEAVY-DUTY DRUM
The one-piece drum core is made from 3/16" steel plate for continuous support. Cadman oversizes its core diameter to prevent stress on the hose, promoting longer life and easier wrapping of the hose. With reinforcing ribs and welded construction, the Cadman drum is, by far, the strongest in the industry.

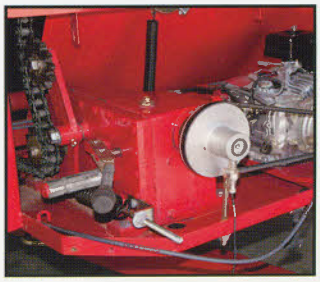
LONG-LASTING DRUM BEARINGS
The drum bearings are constructed of high strength lubricated nylon. Virtually maintenance free, these bearings will provide years of trouble-free service. The real advantage, however, is the ability to maintain oversized plumbing on the inlet side of the drum, giving you maximum efficiency. Competitors usually bottleneck the inlet so they can keep the cost of the ball bearing they use down.

HIGH QUALITY HOSE
Cadman Travellers use only the best quality hose available. Our polyethylene hose is manufactured to ASTM and CSA standards for rough field use and long life.

LARGE PLUMBING
Large 4" diameter plumbing is used on the reel to reduce pressure loss. Each elbow uses 2 pounds per square inch. The Cadman Traveller has far fewer elbows than used by others. We have no bottlenecks of smaller pipes and hoses. Our Traveller is not a pipefitter's nightmare! It is designed to utilize pressure to its fullest advantage in order to operate the reel easily and maintain an energy-efficient irrigation system.

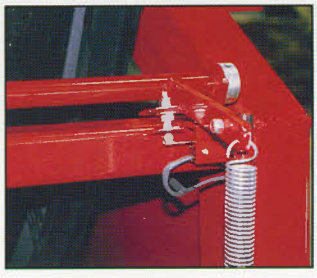
POSITIVE TRACTION CHAIN DRIVE
All Cadman Travellers are driven by a single No. 80 chain, running over the large diameter of the drum on traction pins. This gives Cadman the advantage of maximum torque amplification vs. smaller laser-cut sprockets used by others. By putting less strain on the drive system, less power is needed to rotate the drum, therefore giving you maximum efficiency.

ENGINE DRIVE
The Cadman engine drive system loses "0" P.S.I. because it is self-contained and separate from the fluid irrigated, whereas pistons, bellows or turbines lose 5 to 20 P.S.I. This loss has to be overcome by a pump running harder. These other systems usually result in using less mainline or a smaller gun nozzle in order to keep the pump pressure within operating maximums.



TRANSMISSION
A wide speed range is achieved in Cadman's engine drive system by using a combination of drive and driven variable speed pulleys and a clutch reduction transmission. Simply turn the knob to adjust the drive pulley to the desired speed and engage the transmission lever. There is no need to change gears to achieve a specific speed. As well, an alternate PTO wind-in is incorporated into the transmission. Very clean and easy to operate!

AUTO STOP
When the gun cart reaches the reel, a simple device activates two safety switches. If one switch fails, the second takes over, ensuring maximum safety for you and the machine.



HOSE BUILD-UP SAFETY
If the hose guide malfunctions for any reason, a safety switch is activated by the speed compensator to shut off the engine. This prevents the hose from miswrapping and crushing itself.

BRAKE
A disc brake ensures that proper tension is applied to the drum when unwinding the hose. This prevents recoil when the tractor comes to a stop at the end of the pull. When fully applied, the Traveller can then be moved safely from field to field without concern of recoil.

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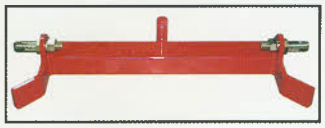
ACCURATE HOSE INDEXING
Cadman's hose guide system keeps the polyethylene hose in its place accurately and efficiently. With its rugged design, maintenance is kept to a minimum.

EASY-TO-READ SPEEDOMETER
All Cadman Travellers are equipped with an easy-to-read speedometer, displaying the hose retrieval rate.

HEAVY-DUTY CRANK DOWN STABILIZERS
As standard equipment, the Cadman 3000 Series Travellers come with crank down stabilizer legs. The easy-to-use telescopic jacks are built to Cadman's specifications for rigid, trouble-free operation.

FEEDER HOSE
A standard 4" x 25' hose is supplied to connect the Traveller to your mainline. As with everything else, Cadman uses the best quality high pressure hose and clamps.



OPTIONAL FAST HITCH TOOL BAR
As an option, any single axle Cadman Traveller can be fitted with a pintle hitch and supplied with a fast hitch tool bar for your tractor. To make your work easier, a pin on the toolbar fits through the pintle hitch and lifts the tongue of the Traveller. By simply operating the tractor 3-point hitch control, the Traveller can be moved from field to field without ever getting off the tractor.

GUN AND CART
An appropriate sized quality gun is standard. Cadman offers a choice of three different carts for the 3000 Series Travellers. For low crops or manure application, a 28" clearance cart is available. For medium height crops we have a 46" clearance cart and for high crops a 62" clearance cart is available.

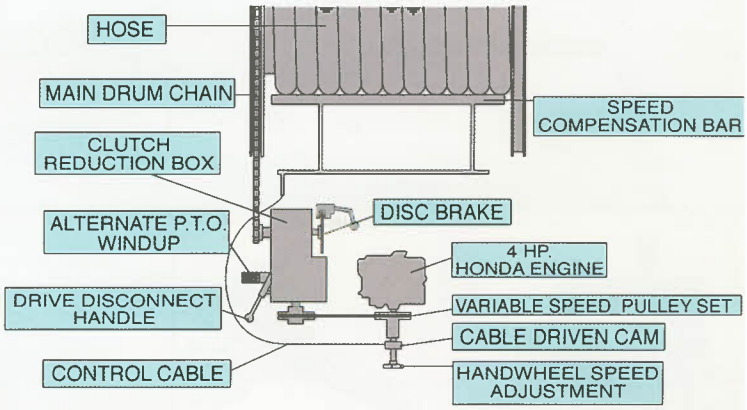
These rugged carts are made of steel tube construction. Based on three wheels (no skids), the carts have variable width adjustment to fit the plant rows. Riser extensions are also available as an option for orchard applications.

OPTIONAL CLOSE-IN SPRINKLER KIT
All Cadman Travellers are available with a sprinkler kit which allows irrigation of the area closest to the Traveller that might be missed by the primary gun on the cart.

OPTIONAL CHAIN-STYLE STABILIZERS
As an option, Cadman offers the rapid-drop chain-style stabilizers.

OPTIONAL HYDRAULIC STABILIZERS
For the ultimate in convenience, Cadman offers heavy duty hydraulic stabilizers.

TOP VIEW OF CADMAN MECHANICAL CAM DRIVE SPEED COMPENSATION



HOSE SPEED COMPENSATION

The Cadman MECHANICAL CAM DRIVE HOSE SPEED COMPENSATION SYSTEM has simplified the task of very accurately compensating the hose retrieve speed for the increase in drum diameter as hose is rewound onto the drum. Here's how it works. A sensor bar, riding against the hose as i winds onto the drum, operates a cam on the variable speed drive pulley by way of a cable. As the cam rotates, the pulley pitch is adjusted just enough to accurately compensate for changes in hose speed over the entire retrieve cycle. The result is an even application from beginning to end!

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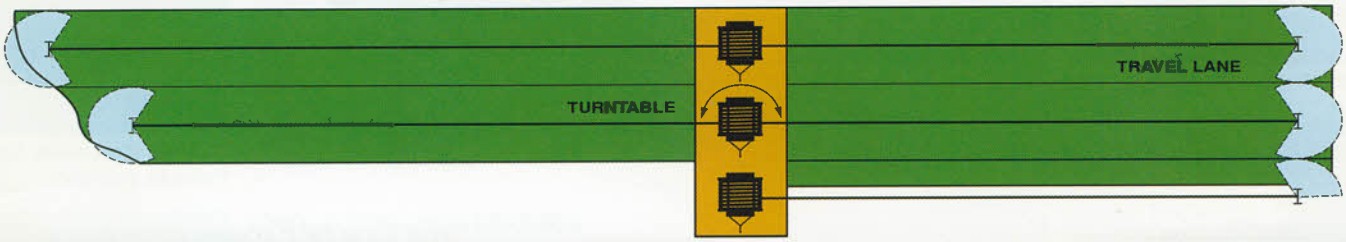
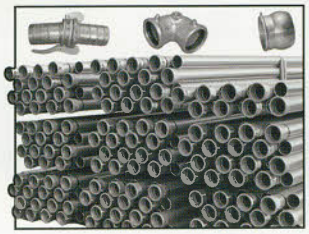
Model	Hose I.D.	Hose Length	Input P.S.I. at Traveller	Gun P.S.I.	Flow Rate GPM	Lane Spacing	Acres Per Pull	Time To Apply 1 Inch/Acre	Time per Pull
3000 Wide Body	3.0"	1075'	130	90	200	274'	6.8	2.3 hr	15.4 hr
			130	80	226	275'	6.8	2.0 hr	13.6 hr
			150	90	250	287'	7.1	1.8 hr	12.9 hr
			150	80	272	289'	7.1	1.7 hr	11.9 hr
3000XL Wide Body	3.0"	1390'	130	90	175	261'	8.3	2.6 hr	21.6 hr
			130	80	197	264'	8.4	2.3 hr	19.4 hr
			150	90	217	280'	8.9	2.1 hr	18.7 hr
			150	80	236	283'	9.0	1.9 hr	17.4 hr
3250 Wide Body	3.25"	975'	130	90	261	292'	6.5	1.7 hr	11.4 hr
			130	80	294	295'	6.6	1.5 hr	10.2 hr
			150	90	325	312'	7.0	1.4 hr	9.8 hr
			150	80	353	314'	7.0	1.3 hr	9.0 hr
3250XL Wide Body	3.25"	1250'	130	90	228	276'	7.9	2.0 hr	15.8 hr
			130	80	257	280'	8.0	1.8 hr	14.2 hr
			150	90	284	295'	8.5	1.6 hr	13.5 hr
			150	80	309	300'	8.6	1.5 hr	12.7 hr
3500 Wide Body	3.5"	925'	130	90	327	314'	6.7	1.4 hr	9.3 hr
			130	80	369	320'	6.8	1.2 hr	8.4 hr
			150	90	407	336'	7.1	1.1 hr	8.0 hr
			150	80	443	342'	7.3	1.0 hr	7.4 hr
3500XL Wide Body	3.5"	1150'	130	90	291	295'	7.8	1.6 hr	12.2 hr
			130	80	328	304'	8.0	1.4 hr	11.1 hr
			150	90	362	320'	8.4	1.3 hr	10.6 hr
			150	80	394	328'	8.7	1.2 hr	10.0 hr

Peformance is shown with appropriate Komet Twin Volume Gun. Lane spacing was obtained by taking 20% off of the published diameter of the gun. Performance data has been obtained under ideal test conditions and may be adversely affected by wind, trajectory of the gun or other factors. No representation regarding droplet condition, uniformity, or suitability for a particular application is made herein.




Power Units


Caprari Water Pumps


Aluminum Pipe and Fittings


PVC Pipe and Fittings


Manure Pumps

Cadman Power Equipment Limited, whose policy is one of continuous improvement, reserves the right to change specifications, design or prices without incurring obligation.

Cadman Power Equipment's 60+ years of leadership and experience in design and manufacturing stands behind every Cadman Traveller produced.

Cadman
POWER EQUIPMENT LIMITED
AGRICULTURAL MACHINERY AND IRRIGATION EQUIPMENT
Box 100, 38 Main St., Courtland, Ont., Canada
1-866-422-3626 Local: (519) 688-2222 Fax: (519) 688-2100
E-Mail: inquiries@cadmanpower.com www.cadmanpower.com

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