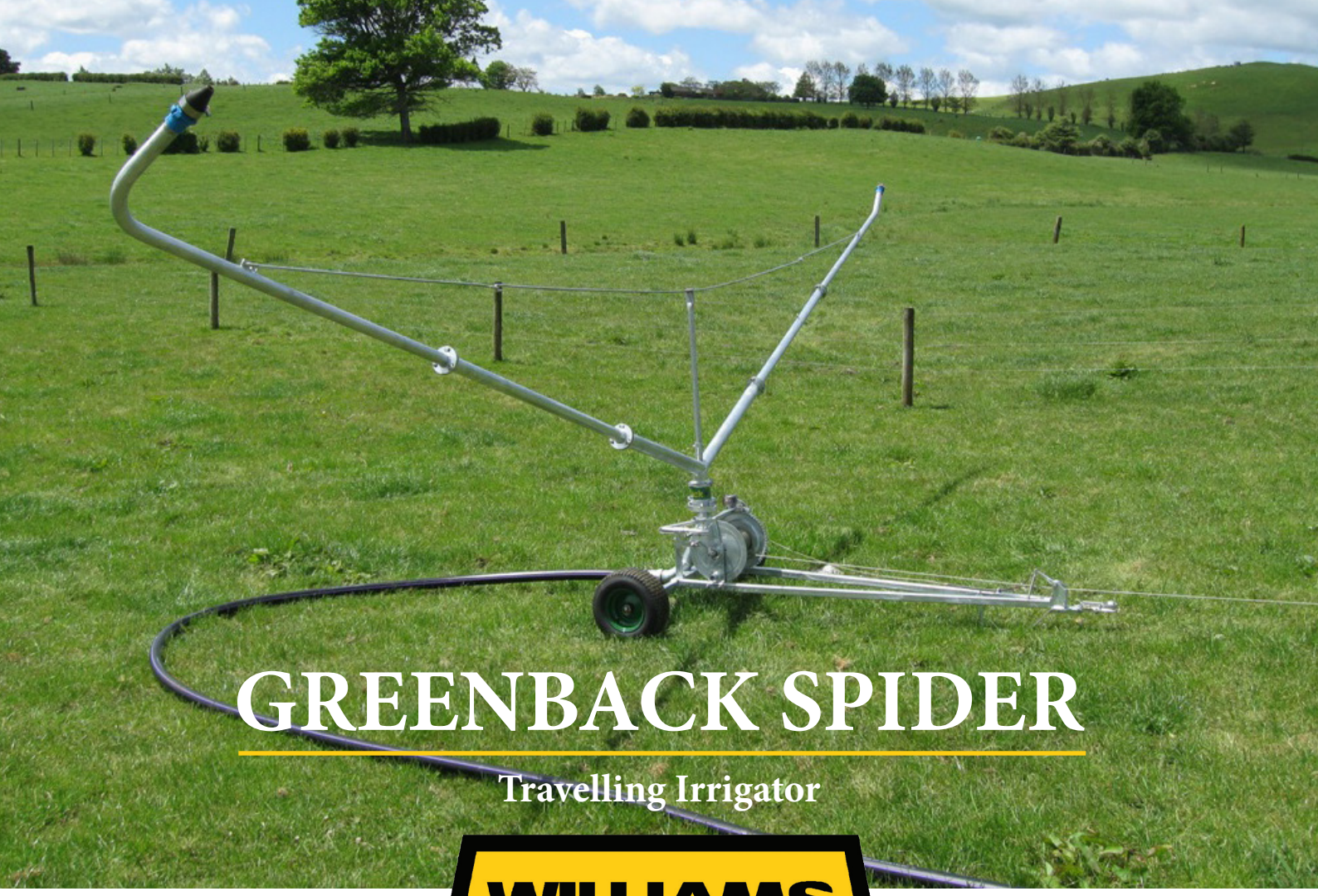


# GREENBACK SPIDER

## Travelling Irrigator

WILLIAMS

Our reputation is spreading

Increase your pasture production by capitalizing on your farms available resources with the Williams Greenback Spider Travelling Irrigator. A simple speed change procedure with a choice of five travel speeds, allows for greater control of effluent application depths (minimum of 5mm) thus optimizing the benefits of the natural fertilizer.

## FEATURES

| | |
|---|---|
| 5mm application depth | Distribution uniformity of less than 1.25 |
| 5 travel speeds | Suitable for electric and PTO pumps |
| Even spread with new arm design | Travel distance up to 400 metres |
| Available with multi strand galvanised, stainless steel or nylon winch rope 250m, 300m or 400m of 5mm wire rope | **NZ Designed and Manufactured** |
| | **Neat and tidy, easy to use** |
| Drags up to 90mm alkathene | **Built to last** |
| Maximum volume of 90 cubic metres per hour | **Cost effective** |

# Williams' Greenback Spider

## PERFORMANCE CHART

| Teeth taken per revolution | Pressure at Irrigator with 13mm nozzles | | | | | |
|---|---|---|---|---|---|---|
| | 30psi | | 40psi | | 50psi | |
| | Average Application Depth | Travel Speed Metres/Minutes | Average Application Depth | Travel Speed Metres/Minutes | Average Application Depth | Travel Speed Metres/Minutes |
| 2 | 35 | 0.30m / min | 36 | 0.40m / min | 39 | 0.40m / min |
| 4 | 17 | 0.60m / min | 18 | 0.75m / min | 20 | 0.80m / min |
| 6 | 13 | 1.05m / min | 14 | 1.10m / min | 15 | 1.20m / min |
| 8 | 9 | 1.60m / min | 9 | 1.65m / min | 10 | 1.60m / min |
| 10 | 5 | 2.00m / min | 5 | 2.10m / min | 6 | 2.20m / min |
| | Approx. Flowrate: 19,625 L/Hr Welted Diameter: 34 m | | Approx. Flowrate: 25,755 L/Hr Welted Diameter: 38 m | | Approx. Flowrate: 30,120 L/Hr Welted Diameter: 42 m | |

*Results from testing with Massey University. These tests have been done using liquid from an effluent pond to give the most accurate results possible. This information should only be used as a guideline.

## SPECIFICATIONS

| Suits 15hp - 30hp High Pressure Pumps & PTO Pumps | | | |
|---|---|---|---|
| Travel Distance | 250 - 400m | Minimum Pressure | 2 bar |
| Spreading Width | 30 - 50m | Maximum Pressure | 6 bar |
| Boom Width | 9m | Max. Draghose | 90 od |

**TALK TO US ABOUT YOUR EFFLUENT SPREADING REQUIREMENTS AND WE CAN TAILOR MAKE A SYSTEM TO SUIT YOUR NEEDS**

## WE'VE GOT THE MOOPOO SOLUTION FOR YOU

### TRAVELLING IRRIGATORS

Greenback Spider

GB Magnum

Spider Deluxe

Venom

Deluxe Junior

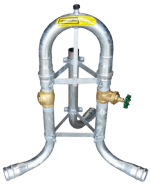
### PTO

PTO Stirrers

PTO Pumps

### HYDRANTS

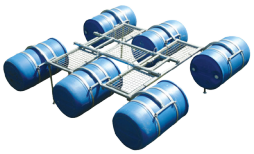
Zero-0-Loss Hydrant



Riser Hydrant

### FILTERS & PONTOONS

In-Line Filter



Pontoon


**WILLIAMS ENGINEERING 2011 LTD**

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Thames 3576, New Zealand

07 867 3176 or 0800 4 EFFLUENT (0800 433 358)
07 867 3179

www.williamsirrigation.com
info@williamsirrigation.co.nz

# Greenback Spider Parts

Suits 15hp & up and PTO pumps.

| CODE |
|---|
| GB250G |
| GB250N |
| GB250S |
| GB300G |
| GB300N |
| GB300S |
| GB400G |
| GB400N |
| GB400S |

TRAVELLING IRRIGATORS - MODEL CODE

250, 300, 400 denotes wire rope length/travel distance.
"G" denotes Galvanised Wire Rope.
"S" denotes Stainless Steel Wire Rope.
"N" denotes Nylon Rope.

## GREENBACK MOST REQUIRED PARTS

SP5L

SP110

SP1

SP2

GB900

GB1

GB107

| PART | CODE |
|---|---|
| Camfollower Assembly | SP5L |
| Side Plate Nylon Bearings | SP110 |
| Power Nozzle | SP1 |
| Nozzle Clamp | SP2 |
| Cam Service Kit, bearings, seals, o ring and circlip only | GB900 |
| 250m of 5mm Galv Wire Rope with fittings | GB1 |
| 250m of 5mm Stainless Steel Wire Rope with fittings | GB2 |
| 300m of 5mm Galv Wire Rope with fittings | GB3 |
| 300m of 5mm Stainless Steel Wire Rope with fittings | GB4 |
| 400m of 5mm Galv Wire Rope with fittings | GB5 |
| 400m of 5mm Stainless Steel Wire Rope with fittings | GB6 |
| Rotor Spindle | GB107 |

## CAM

GB106

| PART | CODE |
|---|---|
| Cam and bearing housing | GB106 |
| Bearing Top | BEAR6012 |
| Circlip | CIRCLIP60 |
| SS 304 Bolt | M10X35SS |
| Bearing Bottom | BEAR6013 |
| SS Nyloc Nut | NYLOC10SS |
| O ring | ORING76X4 |
| Galv Bolt with Nut | M10X40G |
| Rotor Spindle (tapered S/S pipe that carries bearings) | GB107 |
| Seal 60 x 95 (1x per machine) | SEAL6095 |

## CAMFOLLOWER

SP5L/B

SP5L/C

SP5L/D

SP5L/E

SP5L

| PART | CODE |
|---|---|
| Bolt with grease nipple | SP5L/B |
| 16mm SS Flat Washer | SP5L/C |
| Bush S/S | SP5L/D |
| Bearing Camfollower | SP5L/E |
| Complete Assembly | SP5L |

## SPRINGS

SP7

SP8

SP3/3

SP21

| PART | CODE |
|---|---|
| Tooth Spring | SP7 |
| Crank Return Spring | SP8 |
| Brake Spring | SP3/3 |
| Barrel Spring (takes strain off wire when irrigator is tripped out) | SP21 |

## BRAKE ASSEMBLY

SP3

| PART | CODE |
|---|---|
| Brake Assembly | SP3 |
| Brake Block | SP3/2 |
| Spring | SP3/3 |
| Galv Flat Washer | WSGF10 |
| Splitpin | SP 301 |

## AUTO SHUT OFF VALVE

| PART | CODE |
|---|---|
| 65mm Shutoff Valve | GB800 |

## TOOTH

SP111

SP113

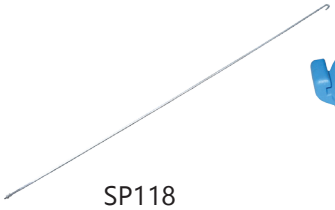
| PART | CODE |
|---|---|
| Rachet Tooth | SP111 |
| Tooth pin including split pins | SP113 |

## ROTOR BOOM

SP114

SP92


GB117


SP118

SP1M

SP1F

SP1

SP2

SP0

| PART | CODE |
|---|---|
| Rotor Centre | SP114 |
| Rotor Intermediate Extensions | SP115 |
| Rotor Outer Extension (includes nozzle, clamp etc) | SP92 |
| Stay Support Pole & Bolt | GB117 |
| Stay Rod Extensions | GB119 |
| Stay Rod & Nuts | SP118 |
| Nozzle quick release fittings male | SP1M |
| Nozzle quick release fitting female | SP1F |
| Power Nozzle with 13mm hole | SP1 |
| Nozzle Clamp | SP2 |
| Nozzle with Clamp and Quick Release Fittings | SP0 |
| Seal 60 x 75 (3x per machine) | SEAL6075 |

## WIRE ACCESSORIES

SLEEVE5

THIMBLE5

GB120

SHACKLE4

SP121

SP66

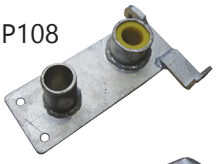
SP21

SP22

SP20

| PART | CODE |
|---|---|
| Wire rope 5mm Galv per metre | WIRE5G |
| Wire rope 5mm SS per metre | WIRE5SS |
| 5mm Sleeve (crimp) | SLEEVE5 |
| 5mm Thimble (eye) | THIMBLE5 |
| Trip Wire (5mm wire) | GB120 |
| Trip Wire Shackle | SHACKLE4 |
| Wire Guide (where the wire runs through on irrigator) | SP121 |
| Anchoring Chain, Grab hook and D Shackle | SP66 |
| Barrel Spring | SP21 |
| Barrel Washer | SP22 |
| Wire Stop (lets you stop the irrigator anywhere along the rope) | SP20 |

## DRUM AND CRANK


SP108

SP109

SP4

GB104

GB103

| PART | CODE |
|---|---|
| Left Bearing Side Plate (includes bush) | SP108 |
| Right Bearing Side Plate (includes bush) | SP109 |
| Winch Crank Handle | SP4 |
| Greenback Crank | GB104 |
| Drum with collar (not including shaft) | GB103 |
| Stainless Steel Axle | GB91 |

## TOW HITCH

| PART | CODE |
|---|---|
| Tow Hitch Assembly (incl bolts) | SP45 |

## WIRE LAYER

| PART | CODE |
|---|---|
| Wire Layer Greenback | WLGB |

## WHEELS

GB11

| PART | CODE |
|---|---|
| Wheel Assembly | GB11 |
| Wheel Bush/pair | SP11B |
| Wheel Lynch Pin | B3 |
| 20mm Galv Flat Washer | WSGF20 |

All Greenbacks have 19mm axles.

FOLD UP BOOM OPTION AND ROAD WHEELS FOR GREENBACK
$895+GST