



MICRON



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"John Shearer have been using the Herbie Clip on our production line for the past few years. We have found it to be a quality hose clip which is ideal for the applications we use it on. As it is easy to fit and adjust, won't rust or corrode, It is ideal for agricultural applications."

Jack Moustrides
John Shearer Limited

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"We have been delighted with the performance of the Herbie Clip since we changed over in 1998. We use thousands of clips every year on our spraying equipment so we must use a product that will stand up to our conditions, is cost-effective, fast and safe to apply. The Herbie Clip is a great product that has not let us or our farmer customers down."

Reg Gray - Director
Auspray Pty Ltd (see page 8)

INFORMATION SHEET



FITTING AND REMOVAL

Male Jaw

Female Jaw

HCL Hand Tool

Only use removal tool on female jaw

HCL Removal Tool

What is a Herbie Clip?

The Herbie clip is a one piece nylon hose clip that uses a proven and patented double row of interlocking teeth. The result - an extremely secure fit when tightened.

Made from Nylon 6.6 the Herbie is totally resistant to atmospheric corrosion and has the ability to be easily adjusted even after many years in place.

It is resistant to most industrial solvents, petrol, oils, greases and many common chemicals.

What can the Herbie do for you?

- Gain production time by being quick and easy to fit
- Reduce maintenance as non corrosive
- Improve safety as no sharp edges to cause cuts to operators or hoses

Who uses Herbie Clips?

The Herbie Clip is used in the automotive industry, white goods, electrical, bathroom, marine, medical, vending, food - in fact anywhere a hose, gator or wire has to be secured.

It has been reliably used in these industries for over 15 years and has undergone extensive performance testing and evaluation.

What are the advantages of nylon 6.6?

Heat stabilised Nylon 6.6. is stronger and more resistant to heat than the commonly used acetal. Being ultra violet (UV) stabilised it will not degrade in the sunlight.

What sort of performance can be expected?

You can use the Herbie in applications with pressures up to 200psi (14 bar) and temperatures that range from -40°C to +150°C. This is more than sufficient for the majority of situations, however we can achieve higher temperatures by using glass filled Nylon. Full technical data is available on request.

Finally a wide range of colours and sizes are available and can be matched to meet your specific requirement.

Pneumatic Tools

Designed for use in volume production the tools are robust, durable and virtually maintenance free. The tools easily cope with the size range by using interchangeable jaws

Closing force can be accurately set by adjusting the airline pressure, and an internal restrictor prevents over-rapid closure, thus ensuring that the clip is fastened correctly every time.

Manufactured to the highest standard the tools comply with CE safety criteria..

A SELECTION OF HCL'S
PNEUMATIC TOOL



TECHNICAL DATA

Clamp identity	Minimum diameter mm	Maximum diameter mm	3 teeth engaged mm	Band width mm	Band thickness mm	Head height mm	Max head width mm	Min head width mm	Mass gms'	Sets of teeth	Clamp identity
A	5.6	6.8	6.5	4.2	1.4	8.3	17.5	12.4	0.53	8	A
AA	6.5	8.1	7.9	4.5	1.6	9.9	20.9	14.8	0.82	8	AA
B	7.9	9.6	9.2	4.4	1.6	9.3	20.7	14.7	0.90	8	B
BB	9.2	10.8	10.3	4.5	1.7	10.9	22.2	17.0	1.11	9	BB
C	10.2	12.3	11.8	5.8	1.7	12.2	27.9	20.1	1.73	9	C
CC	11.1	13.4	12.9	6.1	1.7	12.3	28.7	20.0	1.94	9	CC
D	12.0	14.5	13.8	6.1	1.7	12.9	28.9	19.0	1.95	9	D
E	13.1	15.7	15.1	7.2	2.0	13.6	32.7	21.0	3.26	11	E
F	15.0	17.8	17.1	7.1	2.0	12.9	34.8	23.9	3.18	11	F
G	16.9	19.9	19.1	6.9	2.1	12.5	32.4	21.3	2.00	11	G
H	18.1	21.4	20.6	7.1	2.1	12.7	35.7	23.3	3.23	11	H
J	20.3	23.7	23.0	6.4	2.1	14.2	39.0	25.8	1.08	11	J
K	22.2	25.8	24.9	7.0	2.0	13.0	37.0	26.0	3.61	11	K
L	24.5	28.4	27.6	7.1	2.1	12.5	37.3	25.7	3.43	11	L
M	26.5	30.4	29.5	7.4	2.2	13.4	40.0	27.0	4.80	11	M
N	28.8	33.0	32.2	9.0	2.0	13.4	42.0	29.0	5.60	11	N
P	32.0	35.6	34.8	9.1	1.9	13.8	40.0	27.5	6.15	11	P
Q	34.3	38.7	37.9	8.9	2.1	13.5	42.0	28.8	7.05	12	Q
R	37.0	41.3	40.4	8.9	2.1	13.3	42.2	28.8	6.48	12	R
S	40.1	45.1	44.2	9.0	2.2	13.4	42.2	29.7	6.60	12	S
T	43.2	47.0	46.2	8.9	2.1	12.8	42.5	28.9	6.81	12	T
U	45.8	51.3	50.4	9.0	2.0	13.9	45.0	30.5	7.31	12	U
V	48.5	54.8	53.8	9.0	2.1	14.4	48.0	33.0	8.17	12	V
W	53.0	58.0	57.0	9.0	2.1	14.7	49.0	33.6	7.61	12	W
X	54.9	60.9	60.1	9.3	2.3	16.0	53.4	35.1	9.95	14	X
59	59.0	65.7	64.7	9.3	2.5	17.0	58.6	38.9	11.40	14	59
64	63.0	68.4	67.4	9.4	2.0	15.6	45.8	31.7	9.94	10	64
65	65.4	69.7	68.8	9.4	2.6	16.0	49.1	34.9	10.90	11	65
66	65.8	72.1	71.7	9.2	2.6	15.7	57.3	37.8	10.90	14	66
70	70.0	76.4	75.4	9.1	2.6	15.5	58.3	39.3	11.50	14	70
75	74.7	81.5	80.5	9.1	2.6	16.5	61.3	40.3	12.20	14	75
78	77.7	82.2	81.2	9.0	3.2	16.7	47.9	33.5	10.80	10	78
80	79.8	86.0	85.0	9.0	2.6	17.7	55.2	37.0	12.90	12	80
85	85.1	91.6	90.6	8.9	2.6	17.2	55.2	37.1	11.90	12	85
96	97.7	104.0	102.1	8.5	2.6	17.4	66.0	42.9	14.20	15	96
105	105.3	113.3	111.8	8.9	2.6	16.2	66.2	42.7	15.00	15	105
109	108.0	115.3	114.3	8.9	2.5	19.0	68.0	44.0	15.0	15	109
163	163.0	171.0	169.0	9.5	2.5	16.0	79.0	50.4	19.00	20	163

Herbie Clip manual fitting and removal instructions

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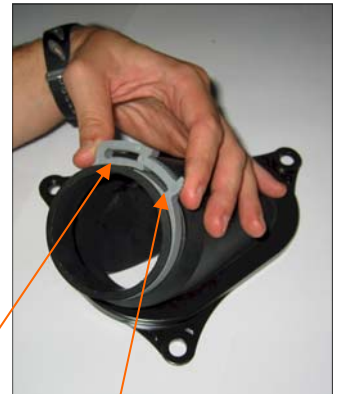
1 Attaching

With the hose in place, simply locate the Clip around the hose.



2 Pre tightening

Engage the first few teeth by hand to hold the clip in place.



Female Jaw

Male Jaw

3a HCL Tool

Using the HCL hand tool simply squeeze the jaws together until a secure fit is achieved.

N.B using HCL tool facilitates being able to set an end stop for predetermined hose tightness.



HCL hand tool

3b Pliers

Tightening can also be done with a standard pair of pliers. Simply squeeze the jaws together until a secure fit is achieved.



5 Removal

Place the HCL removal tool at the bottom part of the female jaw & slide or twist sideways.



HCL Removal Tool

6 Removal

Slide or twist the female jaw sideways.

N.B although we recommend using the HCL removal tool for this operation. This can also be achieved with a pair of pliers.



Bottom of Female Jaw

Micron Sprayers

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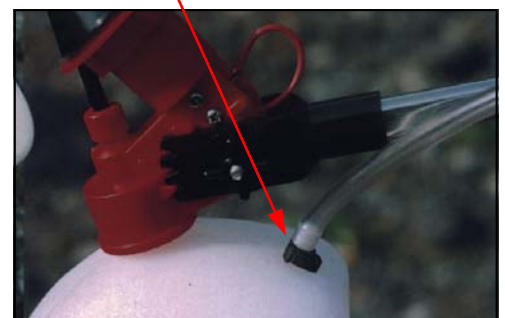
MICRON

Sizes Used

- BB
- C



BB Clip



Micron Sprayers Fullspray

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MICRON

Sizes Used

- R



R Clip



C-DAX Sprayriders (New Zealand)

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Sizes Used

- AA
- E
- F
- G



"C-DAX Systems Ltd manufactures a range of agricultural and industrial machinery and specialises in applying systems for liquid and granular products. C-DAX products are exported world wide and have a reputation for quality and reliability.

HCL Herbie Clamps have been a feature of C-DAX products for many years and are specified wherever ease of fitment, corrosion resistance, and reliability are paramount".

Ian Ibbs
Product Manager



Spraytech

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Sizes Used

- F
- H



F Clip

H Clips



AgSouth (USA)

10

Sizes Used

- E
- F
- H



Herbie
Clip

Auspray (Australia)

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Sizes Used

- H



These machines can be up to 80 foot in width with hundreds of 19mm clips. Metal worm-drive clips have been replaced with the Herbie Clip as it reflects many advantages. Apart from a cost saving, the speed of application, the ease of adjusting or removing the clip easily, no corrosion, and all without the risk of cuts or scratches. This makes the Herbie Clip the ideal hose clip for agricultural spray gear.



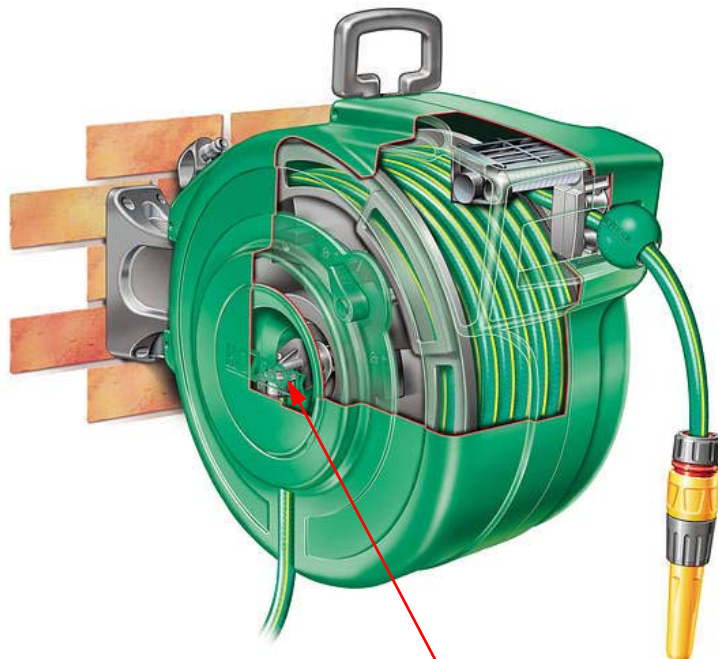
H Clip

Hozelock Auto Reel

12

Sizes Used

- D
- F



Clips used to fasten
Hose to inside of Auto
Reel unit

Zaldeesh Foggers (Australia)

13

Sizes Used

- AA



AA Clip



" The Herbie Clip is the best hose clip I have ever used and I am delighted with it. I find it superior to all other single-tooth clips I have tried before.

Until I discovered the Herbie Clip I was unable to use my green house Foggers as I would like. Fittings would continually blow off and I was forced to start the Foggers before the green house reached 30 degrees or lower the pressure to compensate. This was a major problem but since installing the Herbie Clip, I can now use my Foggers at any pressure, temperature, or time of day.

I recommend the Herbie Clip to all my friends."

**David Zalsman - Market Gardener
Zaldeesh Pty. Ltd.
Western Australia**



Massey Ferguson

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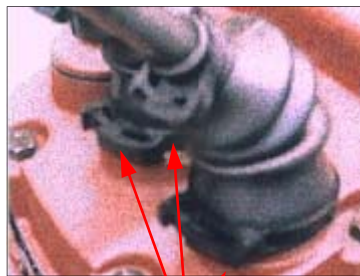
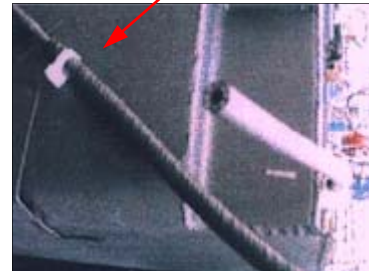
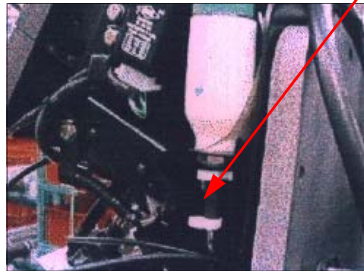
Sizes Used

- C WHITE
- G
- V
- X

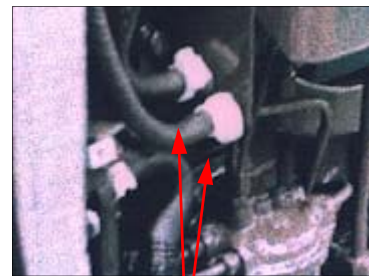


White C Clip
fitted to brake
fluid reservoir

White C Clip
fitted to fuel tank
connection



X V & G Clips
fitted to gear
lever gaiter



White C Clip
fitted to fuel filter

Simba Testimonial

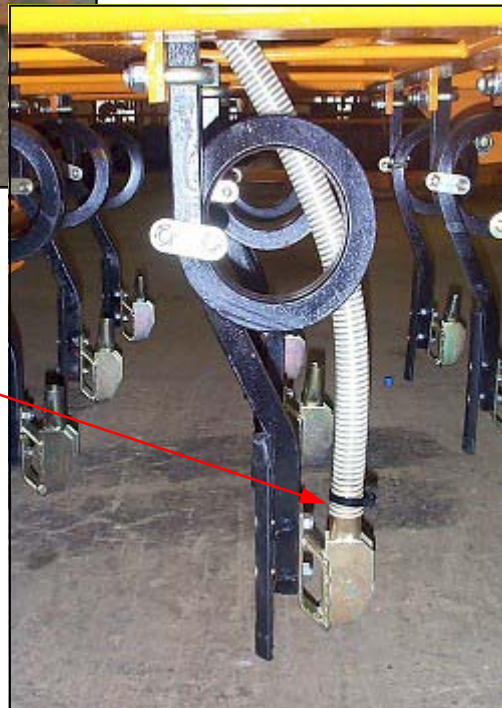
15

Sizes Used

- Q



Simba have used the Herbie Clip on our range of Freeflow and Miniflow agricultural seed drills since the mid 90's. The clip is used to connect the plastic seed delivery tube to the soil engaging coulter.



Q Clip

When the drill is operating the coulters are subjected to constant high frequency vibration as it travels through the soil combined with violent shock loads resulting from stone impacts.



Since adopting the Herbie Clip we have not had any reports of any clip either coming loose or failing in any other way. The nylon material provides the Herbie clip with excellent wear properties which is very important as agricultural soils are extremely abrasive. With our customers constantly looking to reduce costs and optimise field performance we must ensure that every effort has been made to minimise the risk of breakdowns. Farmers would not accept a delay in drilling caused by the inability to keep the seed delivery tubes on the coulters.



