

# Small Mammal Radio Collars



Specialists in Animal Radio Monitoring

Collars are the predominant way of radio-tagging mammals, except for mammals whose necks are wider than their head. For small mammals, lightweight collars in a large range of adjustable sizes are important. The main materials for small collars are listed here but there are other possible materials, please contact us to discuss your ideas.

## Cable-tie Collar - Available in a wide range of sizes with good range, lightweight, quick and easy to fit



- Flexibility: Good, can be coated to improve comfort
- Durability: Good (limited with chewing rodents)
- Fastening: Quick, accurate fit, regular/low profile fastening
- Antenna: External or internal (lower range) whip
- Weight: 0.8g—30g - Lightest material available
- Collar Width: 3.5mm—9mm
- NB: Can have replaceable cable ties

*Popular for species such as Mice, Rats, Voles, Weasels, small Lemurs & Hares*

## Brass Loop Collar - High durability against animals that chew through collars, lower range of loop

- Flexibility: Low
- Durability: High, resistant to chewing
- Fastening: Relatively quick, self-locking nut and pre-drilled holes give adjustable fit
- Antenna: Brass loop forms antenna
- Weight: 4.5g—35g - Relatively heavy compared to cable tie
- Collar Width: 7mm—11mm, coated in comfortable material



*Popular for species such as large Lemurs, Rabbits, Possums, Rats, Squirrels, Woylies & Mongooses*

**See overleaf for more detailed specifications and information on how we can customise your tag further.**

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## Collar Specifications

Weight (g)		Battery Life				Dimensions (mm)			Model
Brass Loop	Cable-tie	Min	Std	Max		L	W	H	
27 - 32	30 - 45	1.4	2.3	5	Years	43	20	20	TW-3 2/3 AA
22 - 27	20 - 26	0.8	1.4	3.2	Years	39	20	20	TW-3 1/2 AA
16 - 21	12 - 17	4.4	7.6	18.4	Months	32	18	18	TW-3 10-28
6 - 10	4 - 6	3.2	5.5	13	Months	22	13	9	Pip Ag357
N/A	3.5 - 6.0	2.3	3.9	9.4	Months	21	13	8	Pip Ag386
N/A	2.4 - 3.6	1.4	2.4	5.9	Months	15	9	10	Pip Ag393
N/A	2.0 - 3.0	0.7	1.3	3	Months	14	8	9	Pip Ag392
N/A	1.4 - 1.7	0.5	0.8	2	Months	13	8	9	Pip Ag376
N/A	1.2 - 1.5	6	11	27	Days	13	7	9	Pip Ag317
N/A	0.9 - 1.0	4	7	16	Days	13	7	4	Pip Ag337

*Our new PicoPip transmitters can extend the life of our smallest tags, please ask for more information*

## Tag Customisation

Battery life can be modified by changing the pulse characteristics; decreasing the pulse rate and pulse length gives a longer lifespan but with a lower range, and vice-versa. This allows us to design the collar to meet your specific needs.

Use our **Tag Chooser** ([www.biotrack.co.uk](http://www.biotrack.co.uk)) to see the effect of pulse characteristics on both tag life and range.

## Delivery

As our tags are customised for each order, it is best to give as much warning as possible allowing time to discuss and finalise exactly what you need. Standard delivery time from the placement of an order is 6–8 weeks, but occasionally it is possible to build tags at short notice, so please contact us, even if you think it may be too late.

### Provisional ordering

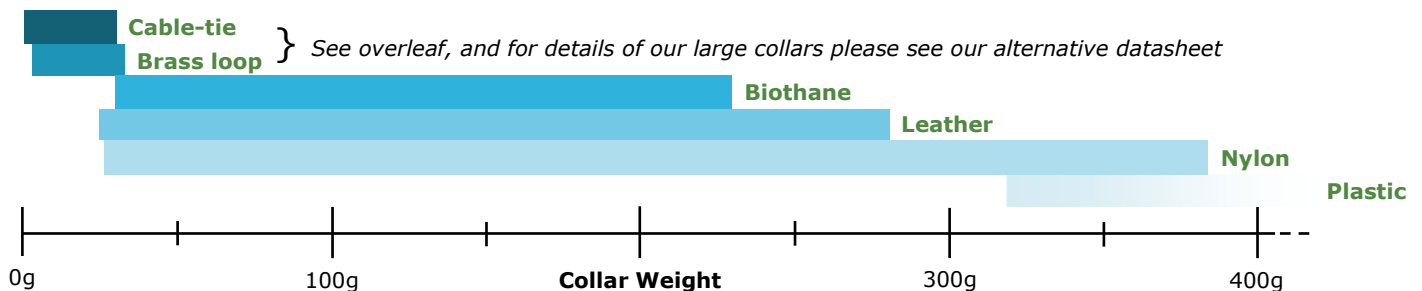
We can take provisional orders if you are unsure of funding. We provide a quote and schedule the making of the tags, with no obligation to buy if the funding is not granted.

### Biotrack is part of the Lotek Wireless Group

With Lotek, Biotrack can now offer researchers a greater array of products and services, including **GPS Collars**.

**- Contact us if you would like more information**

## Our range of Radio Collars



[www.biotrack.co.uk](http://www.biotrack.co.uk)  
Tel: +44 (0)1929 552992  
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**We are more than happy to discuss any questions you may have about radio-tracking over the phone, by fax or by e-mail.**