

ILLUSTRATED KEY FOR  
BLACK-TAILED GODWITS' COLOUR RING SCHEMES



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VERSION 3 - JANUARY 2008

Cover photos © N. Cidraes-Vieira  
Left: GO-YO Tavira's salt pans (Ria Formosa)  
Centre: OW-PB Corroios Saltmarshes (Tagus Estuary)  
Right: YL-Y2YL Olhão's salt pans (Ria Formosa)

## ACKNOWLEDGEMENTS.

Thanks to J. Alves, S. Elisdóttir, S. Fasano, G. Gelinaud, J. Gill, J. Gonin, N. Groen, T. Gunnarsson, L. Hatton, J. Hooijmeijer, P. Lourenço, A. Masero, M. Pavia, P. Potts, M. Roodbergen, F. Santiago and S. Schmitt for the information about the schemes.

To D. Raes for including a link to the key on the *European Colour-ring Birding* website.

New schemes, updates, corrections and new information on schemes please send it to [limosalimosa@sapo.pt](mailto:limosalimosa@sapo.pt)

## HOW TO INTERPRET THE DRAWINGS

Each drawing indicates all possible combination of rings to the represented scheme. The picture below explains an hypothetic scheme.

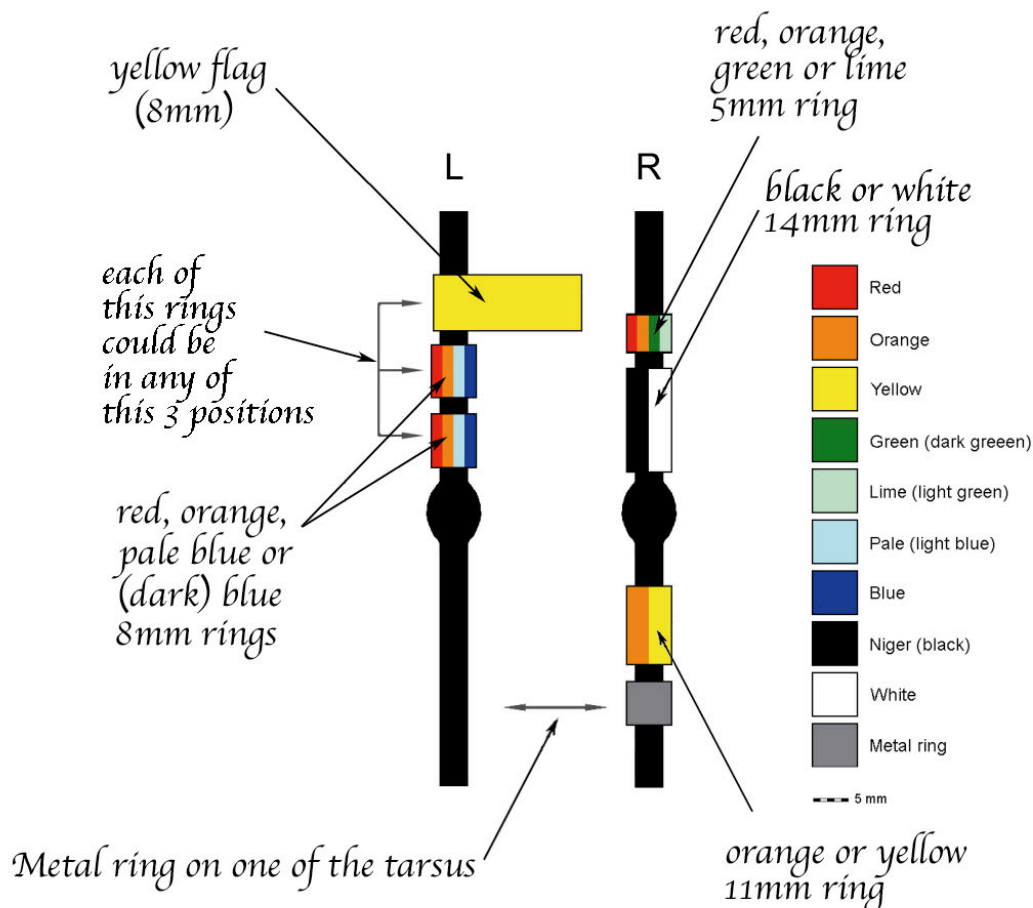
Grey arrows – indicates that one (or more) ring could have alternative positions and indicates the possible positions it can be.

A Multicolour ring represents ring positions that could receive several colours. The multicolour ring is painted with all possible colours for that particular position.

On drawings' right side is showing all possible colours to all positions. Metal ring is only present on right side if included as part of the scheme.

L and R refer to Left and Right legs. When absent, legs could be switched.

Drawings on scale when ring size available (drawings without the 5 mm scale symbol aren't on scale).



## ABOUT THE INFORMATION

Target subspecies are indicated and when other subspecies could be ringed, it is indicated between brackets.

## NOTES ABOUT SIGHTS

*Discoloured rings* – some **colours can change with time or become dirty**. White is the most problematic colour, as it easily turns yellowish, or even reddish. On other hand, light-coloured rings can become whitish.

*Ring size* - It's important to **pay attention on the size of rings**, as this could be very important to identify the bird.

*Flags* - From the wrong angle, flags can be seen as normal colour ring (**more easily than thought!**)

*Tarsometatarsus rings* - below ankle ("knee") rings are difficult to see, specially small dark rings.

*Lost rings* –not common, but some cases are known to happen.

## INFORMATION ON SIGHTS

Information on sights should be sent to the ringer and to the National Ringing Centre of the country where the bird was observed.

Since there are research projects about Black-tailed Godwits running on several countries, please send also the information to:

Portugal: [limosalimosa@sapo.pt](mailto:limosalimosa@sapo.pt)  
[j.alves@uea.ac.uk](mailto:j.alves@uea.ac.uk)  
[oceanblue@portugalmail.com](mailto:oceanblue@portugalmail.com)

United Kingdom: [J.Gill@uea.ac.uk](mailto:J.Gill@uea.ac.uk)

Nederland: [j.c.hooijmeijer@rug.nl](mailto:j.c.hooijmeijer@rug.nl)  
[maja.roodbergen@wur.nl](mailto:maja.roodbergen@wur.nl)  
[h.schekkerman@nioo.knaw.nl](mailto:h.schekkerman@nioo.knaw.nl)

France:

Iceland: [limosa@simnet.is](mailto:limosa@simnet.is)

España: [jamasero@unex.es](mailto:jamasero@unex.es)  
[fquesada@unex.es](mailto:fquesada@unex.es)

## KEY TO RINGED BLACK-TAILED GODWITS

|  |     |
|--|-----|
| A) With flag .....                                     | 1   |
| Without flag .....                                     | B   |
| B) With letters, numbers, lines or other symbols ..... | C   |
| Monochromatic colour rings without symbols .....       | 3   |
| C) With both colour rings and symbol rings .....       | 2.1 |
| Just symbol rings; without colour rings .....          | 2.2 |

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## 1.1 GREEN (DARK GREEN) FLAG

JA1

José Alves - [j.alves@uea.ac.uk](mailto:j.alves@uea.ac.uk)

Number of birds: 79

Location: Tagus Estuary - Portugal

Habitat: Mudflats & Saltpans

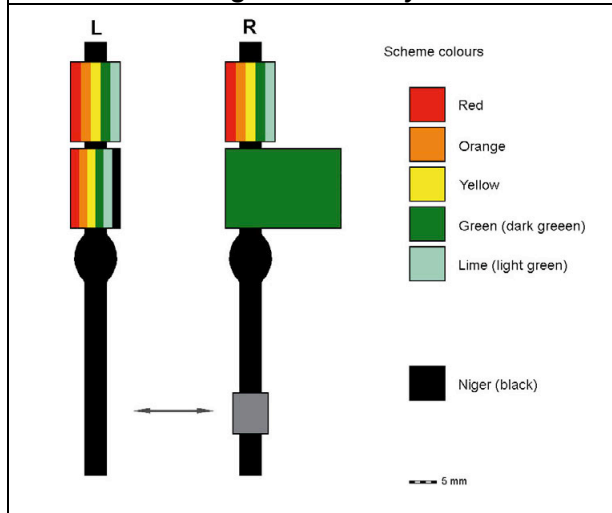
Adults on migration/wintering

Subspecies: *islandica (limosa)*

2006 -

Ring height: 14 mm

*Note: Black rings not used yet*





## 1.2 LIME (LIGHT GREEN) FLAG

|   |  |
|---|--|
| <p><b>JM1</b><br/>         José Masero - <a href="mailto:jamasero@unex.es">jamasero@unex.es</a><br/>         Number of birds: c. 265<br/>         Location: Extremadura – España<br/>         Habitat: Ricefields<br/>         Adults on migration/wintering<br/>         Subspecies: <i>limosa</i> &amp; <i>islandica</i><br/>         2005 -<br/>         Ring height: 7 mm</p> | <p><b>TG1</b><br/>         Tomas Gunnarsson - <a href="mailto:limosa@simnet.is">limosa@simnet.is</a><br/>         Number of birds: c. 200<br/>         Location: Iceland<br/>         Habitat:<br/>         Chicks<br/>         Subspecies: <i>islandica</i><br/>         1999 -<br/>         Ring height: 10 mm or 14 mm<br/>         Drawing: 10 mm (for 14 mm see R flag)</p> |
|   |  |

|  |  |
|--|--|
| <p><b>JH3</b><br/>         Jos Hooijmeijer - <a href="mailto:j.c.hooijmeijer@rug.nl">j.c.hooijmeijer@rug.nl</a><br/>         Number of birds: 25<br/>         Location: Nederland<br/>         Habitat:<br/>         Adults on migration/wintering<br/>         Subspecies: <i>limosa</i> (<i>islandica</i>)<br/>         2007 -<br/>         Ring height: 11 mm<br/>         Note: for now only used flag on top position</p> |  |
|--|--|

### 1.3 YELLOW FLAG

**JH1**

Jos Hooijmeijer - [j.c.hooijmeijer@rug.nl](mailto:j.c.hooijmeijer@rug.nl)

Number of birds: 231

Location: Friesland – Nederland

Habitat: Meadows

Nesting adults & fledglings

Subspecies: *limosa*

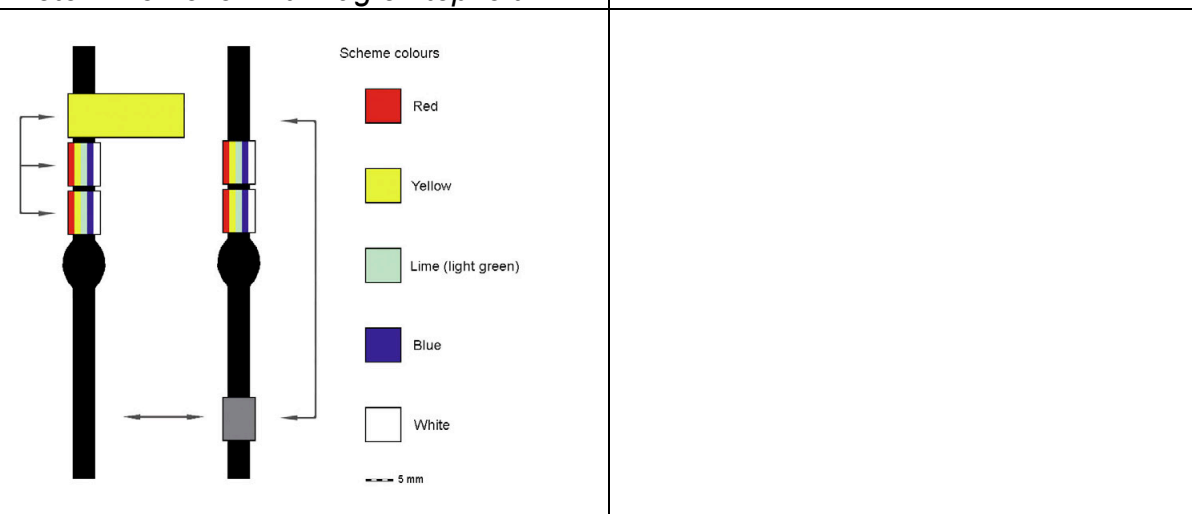
2004 -

Ring height: 8 mm (2004/05) or 11 mm (2006 -)

*Drawing: 8 mm (for 11 mm see L, R or B flag drawings)*

*Note: white only with flag on top left position*

*Note: lime never with flag on top left*



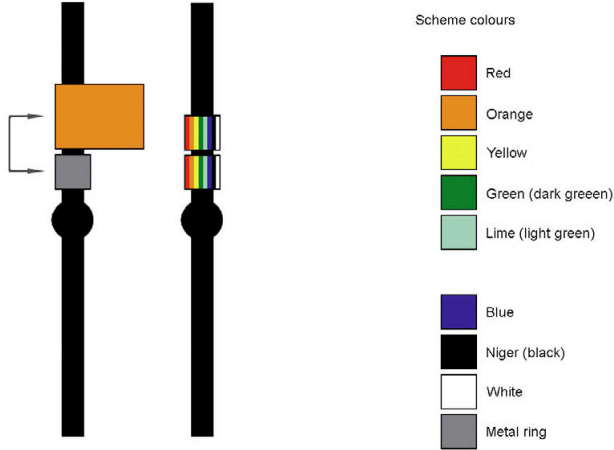
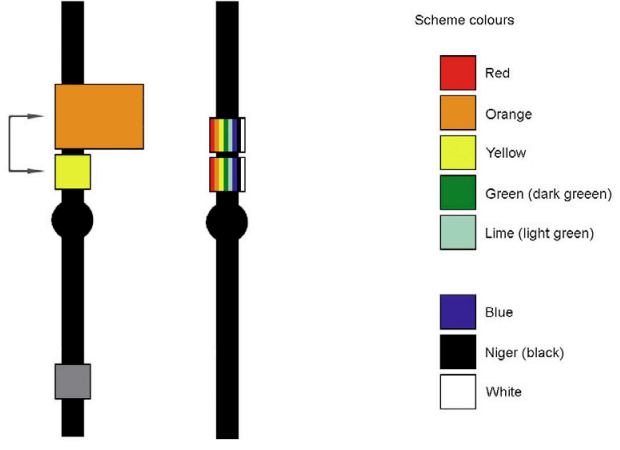
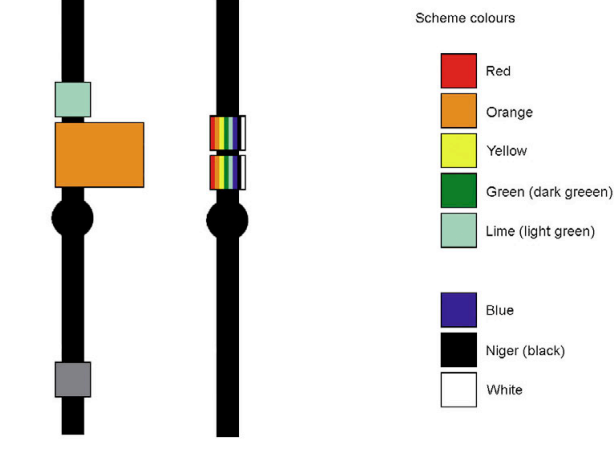
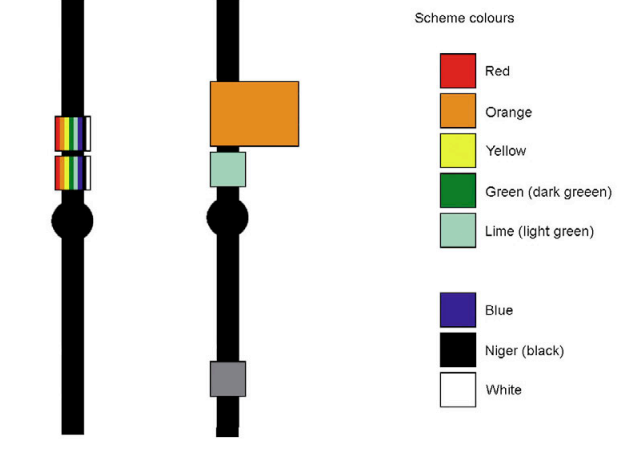
## 1.4 RED FLAG

|   |   |
|---|---|
| <p><b>JH2</b><br/>         Jos Hooijmeijer - <a href="mailto:j.c.hooijmeijer@rug.nl">j.c.hooijmeijer@rug.nl</a><br/>         Number of birds: 87<br/>         Location: Nederland (Outside SW Friesland)<br/>         Habitat: Meadows<br/>         Nesting adults &amp; fledglings<br/>         Subspecies: <i>limosa</i><br/>         2004-<br/>         See note on Y flag</p> | <p><b>TG2</b><br/>         Tomas Gunnarsson - <a href="mailto:limosa@simnet.is">limosa@simnet.is</a><br/>         Number of birds: c. 200<br/>         Location: Iceland<br/>         Habitat: Chicks<br/>         Subspecies: <i>islandica</i><br/>         1999<br/>         Ring height: 10 mm or 14 mm<br/>         Drawing: 14 mm (for 10 mm see L flag)</p> |
|   |   |

## 1.5 BLUE FLAG

|  |
|--|
| <p><b>JH5</b><br/>         Jos Hooijmeijer - <a href="mailto:j.c.hooijmeijer@rug.nl">j.c.hooijmeijer@rug.nl</a><br/>         Number of birds: 0<br/>         Location: Nederland<br/>         Habitat: Meadows<br/>         Nesting adults &amp; fledglings<br/>         Subspecies: <i>limosa</i><br/>         Ring height: 11 mm</p> |
|  |

## 1.6 ORANGE FLAG

|   |  |
|---|--|
| <p><b>GO1</b><br/>           Julien Gonin - <a href="mailto:rn.moeze@lpo.fr">rn.moeze@lpo.fr</a><br/>           Number of birds: 185 (GO1-2)<br/>           Location: Moeze Oléron - France<br/>           Habitat: coastal lagoons &amp; old salt marshes<br/>           Migrating birds<br/>           Subspecies: <i>islandica</i><br/>           (2002?) 2004-<br/>           Never two rings same colour on same leg</p>   | <p><b>GO2</b><br/>           Julien Gonin - <a href="mailto:rn.moeze@lpo.fr">rn.moeze@lpo.fr</a><br/>           Number of birds:<br/>           Location: Moeze Oléron - France<br/>           Habitat:<br/>           Migrating birds<br/>           Subspecies: <i>islandica</i><br/>           2007-<br/>           Never two rings same colour on same leg</p>   |
|  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-right: 5px;"></span> Orange</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></span> Yellow</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: lightgreen; margin-right: 5px;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></span> Blue</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; margin-right: 5px;"></span> White</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: gray; margin-right: 5px;"></span> Metal ring</li> </ul> |  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-right: 5px;"></span> Orange</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></span> Yellow</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: lightgreen; margin-right: 5px;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></span> Blue</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; margin-right: 5px;"></span> White</li> </ul>  |
| <p><b>MV1</b><br/>           Matthieu Vaslin - <a href="mailto:m.vaslin@wanadoo.fr">m.vaslin@wanadoo.fr</a><br/>           Number of birds: 0<br/>           Location: Marais Breton / Vendée - France<br/>           Habitat:<br/>           Migrating birds?<br/>           Subspecies: <i>islandica</i>?<br/>           2007-</p>  | <p><b>MV2</b><br/>           Matthieu Vaslin - <a href="mailto:m.vaslin@wanadoo.fr">m.vaslin@wanadoo.fr</a><br/>           Number of birds: 0<br/>           Location: Marais Breton / Vendée - France<br/>           Habitat:<br/>           Migrating birds<br/>           Subspecies: <i>islandica</i><br/>           2007-</p>   |
|  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-right: 5px;"></span> Orange</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></span> Yellow</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: lightgreen; margin-right: 5px;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></span> Blue</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; margin-right: 5px;"></span> White</li> </ul>   |  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-right: 5px;"></span> Orange</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></span> Yellow</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: lightgreen; margin-right: 5px;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></span> Blue</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: white; margin-right: 5px;"></span> White</li> </ul> |

## 2.1 WITH COLOUR RINGS

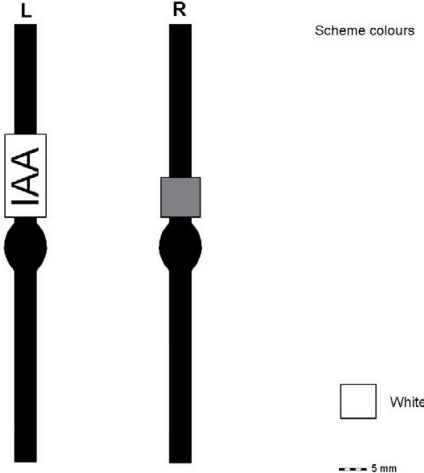
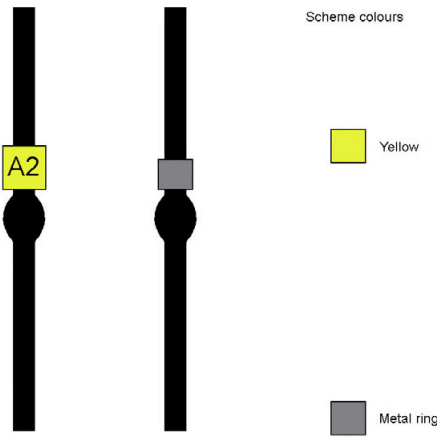
### 2.1.1 WITH CHARACTERS

|   |  |
|---|--|
| <p><b>PP1</b><br/> Pete Potts – <a href="mailto:pete.potts@hants.gov.uk">pete.potts@hants.gov.uk</a><br/> Number of birds: 7<br/> Location:<br/> Habitat:<br/> Subspecies:<br/> Year?<br/> Ring height: 14 (colour) &amp; 30 mm</p> | <p><b>TG3</b><br/> Tomas Gunnarsson - <a href="mailto:limosa@simnet.is">limosa@simnet.is</a><br/> Number of birds: c. 200<br/> Location: Iceland<br/> Habitat:<br/> Adults on passage<br/> Subspecies: <i>islandica</i><br/> 2000- ?<br/> Ring height: 14 mm</p> |
|   |  |

### 2.1.2 ONLY LINES

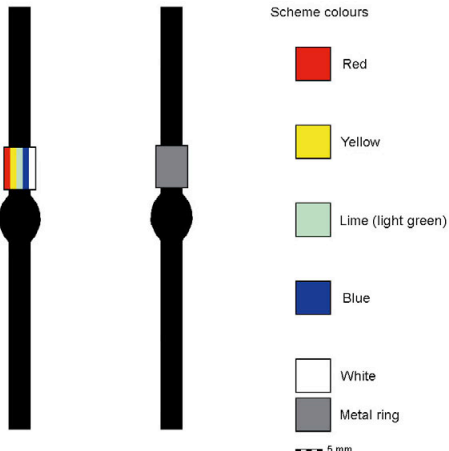
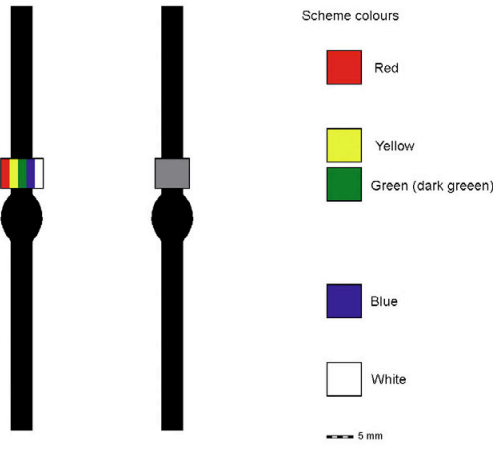
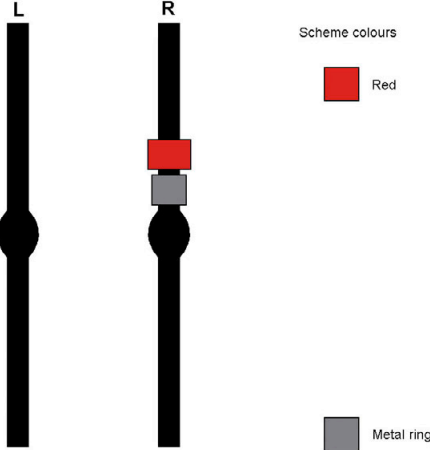
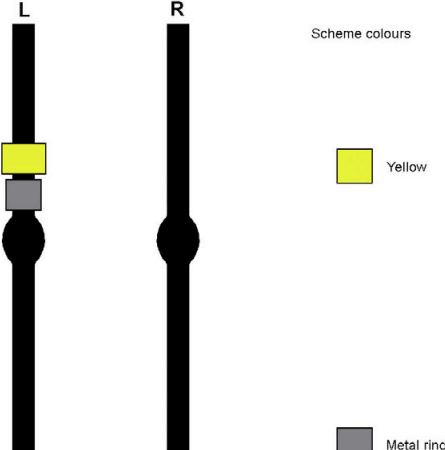
|  |   |
|--|---|
| <p><b>PP2</b><br/> Pete Potts – <a href="mailto:pete.potts@hants.gov.uk">pete.potts@hants.gov.uk</a><br/> Number of birds: 1<br/> Location: Cork Harbour – UK<br/> Habitat:<br/> Subspecies:<br/> 2002<br/> Ring height: 14 mm</p> | <p><b>GG1</b><br/> Gerrit Gerritsen <a href="mailto:gerritgerritsen@hetnet.nl">gerritgerritsen@hetnet.nl</a><br/> Number of birds: 37<br/> Location: Iceland<br/> Habitat:<br/> Breeding adults?<br/> Subspecies: <i>islandica</i><br/> 1993<br/> <i>Not an individual marker (group marker)</i><br/> <i>Rings should look white by now</i></p> |
|  |   |

## 2.2 WITHOUT COLOUR RINGS

|   |  |
|---|--|
| <p><b>MP1</b><br/>         Marco Pavia - <a href="mailto:marco.pavia@unito.it">marco.pavia@unito.it</a><br/>         Sergio Fasano - <a href="mailto:sgfasano@tin.it">sgfasano@tin.it</a><br/>         Number of birds: 5<br/>         Location: Piedmont/ Vercelli - Italie<br/>         Habitat:<br/>         Chicks<br/>         Subspecies: <i>limosa</i><br/>         2004-?<br/>         Ring height: 15 mm<br/>         Note: letters from IAA until IZZ</p> | <p><b>NG4</b><br/>         Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/>         Number of birds: c.1200 (NG3-6)<br/>         Location: Schaalsmeerpolder, Netherlands<br/>         Habitat:<br/>         Chicks<br/>         Subspecies: <i>limosa</i><br/>         1989<br/>         Ring height: 5,5 (M)<br/>         Note: letters from A2 until A7</p> |
|  <p>Diagram illustrating the leg ring scheme for MP1. The left leg (L) has a white ring with the letters 'IAA'. The right leg (R) has a metal ring. A legend indicates the colors: White and Metal ring. A scale bar shows 5 mm.</p>  |  <p>Diagram illustrating the leg ring scheme for NG4. The left leg has a yellow ring with the letters 'A2'. The right leg has a metal ring. A legend indicates the colors: Yellow and Metal ring.</p>   |

### 3.1 BY NUMBER OF RINGS

#### 3.1.1 – ONE RING (+ METAL RING)

|   |  |
|---|--|
| <p><b>JH4</b><br/>           Jos Hooijmeijer - <a href="mailto:j.c.hooijmeijer@rug.nl">j.c.hooijmeijer@rug.nl</a><br/>           Number of birds: 161 Y; 100 R<br/>           Location: Nederland<br/>           Habitat: Meadows<br/>           Chicks<br/>           Subspecies: <i>limosa</i><br/>           2006 (Y), 2007 (R)<br/>           Ring height: 8 mm<br/> <i>Not an individual marker (group marker)</i></p> | <p><b>NG3</b><br/>           Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/>           Number of birds: c.1200 (NG3-6)<br/>           Location: Netherlands:<br/>           Schaalsmeerpolder (colour on left),<br/>           outside (color on right)<br/>           Chicks<br/>           Subspecies: <i>limosa</i><br/>           1984 (R), 1985 (Y), 1986 (G), 1987 (W),<br/>           1988 (B)<br/>           Ring height: 5,5 (M)</p> |
|   |   |
| <p><b>NG5</b><br/>           Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/>           Number of birds: c.1200 (NG3-6)<br/>           Location: outside Schaalsmeerpolder<br/>           Habitat:<br/>           Chicks<br/>           Subspecies: <i>limosa</i><br/>           1989<br/>           Ring height: 5,5 (M)</p>   | <p><b>NG6</b><br/>           Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/>           Number of birds: c.1200 (NG3-6)<br/>           Location: Schaalsmeerpolder<br/>           Habitat:<br/>           Chicks<br/>           Subspecies: <i>limosa</i><br/>           1990<br/>           Ring height: 5,5 (M)</p>  |
|    |    |

### 3.1.2 – TWO RINGS (+ METAL RING)

|  |   |
|--|---|
| <p><b>JG1</b><br/>         Jennifer Gill - <a href="mailto:j.gill@uea.ac.uk">j.gill@uea.ac.uk</a><br/>         Number of birds: 63 birds<br/>         Location: Wash estuary - UK<br/>         Habitat: estuary<br/>         Non-breeding adults<br/>         Subspecies: <i>islandica</i><br/>         1993<br/>         Ring height: 20 mm<br/> <i>Not an individual marker (group marker)</i></p> | <p><b>RSPB1</b> - <a href="mailto:sabine.schmitt@rspb.org.uk">sabine.schmitt@rspb.org.uk</a><br/>         Number of birds: small number<br/>         Location: UK<br/>         Habitat: Lowland wet grassland<br/>         Chicks<br/>         Subspecies: <i>limosa</i><br/>         1997<br/>         Ring height: 7-10 mm(+) (depending on the size of the chicks)<br/> <i>Drawing: 7 mm</i><br/> <i>Not an individual marker (group marker)</i></p> |
|  |   |

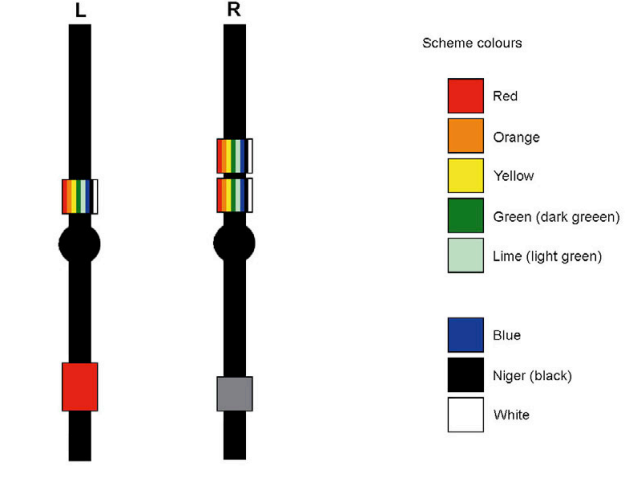
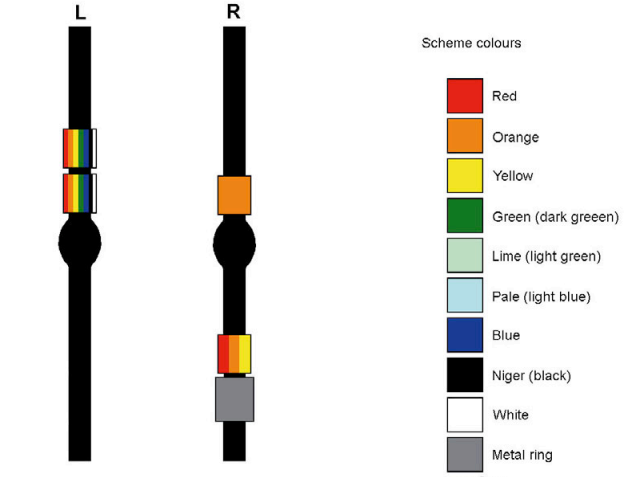


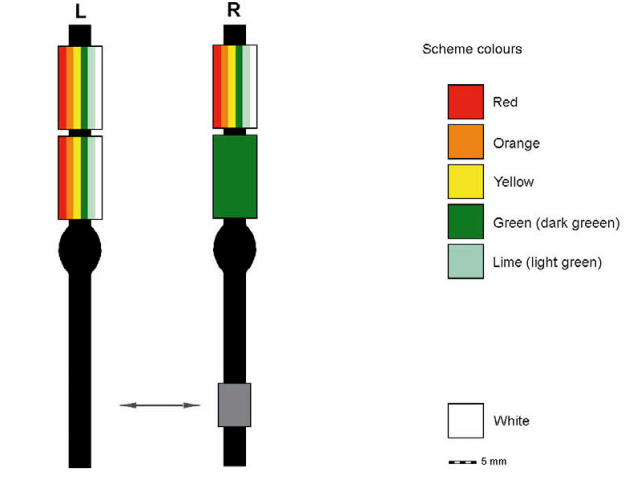
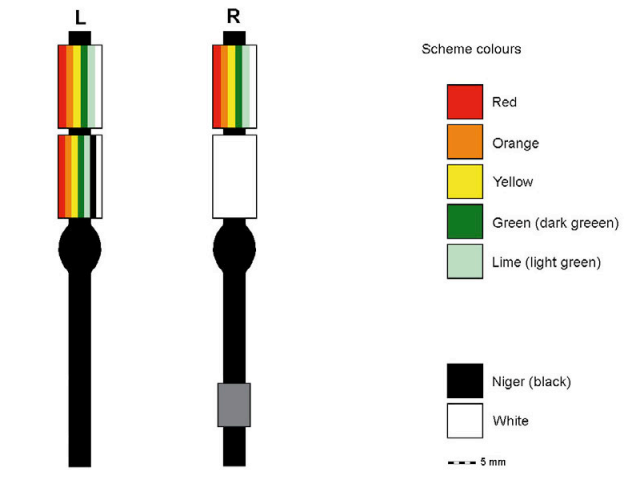
### 3.1.3 – THREE RINGS (+ METAL RING)

|  |   |
|--|---|
| <p><b>TG4</b><br/> Tomas Gunnarsson - <a href="mailto:limosa@simnet.is">limosa@simnet.is</a><br/> Number of birds: c. 100<br/> Location: Iceland<br/> Habitat:<br/> Chicks<br/> Subspecies: <i>islandica</i><br/> 2002-2003<br/> Ring height: 15 mm<br/> <i>Brood marked birds</i></p> | <p>José Masero - <a href="mailto:jamasero@unex.es">jamasero@unex.es</a><br/> Number of birds: few<br/> Location: Extremadura – España<br/> Habitat: Ricefields<br/> Adults on migration/wintering<br/> Subspecies: <i>limosa</i> &amp; <i>islandica</i><br/> 2005<br/> Ring height: 7 mm<br/> <i>A few birds lost their lime flag</i></p> |
|  |   |

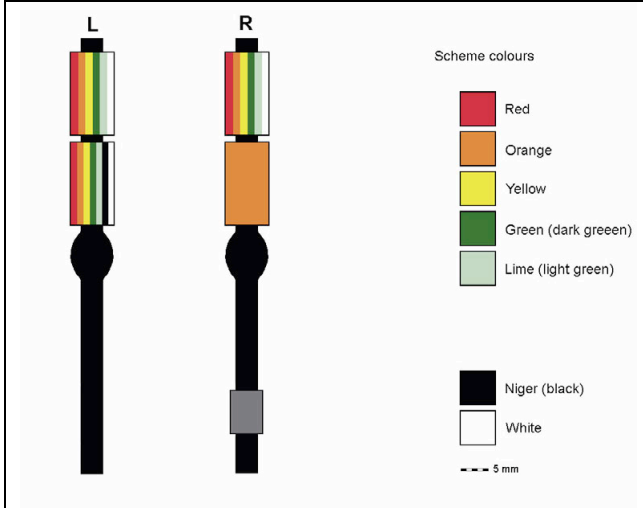
|  |  |
|--|--|
| <p><b>NG1</b><br/> Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/> Number of birds: 270 (NG1-2)<br/> Location: Schaalsmeerpolder, Netherlands<br/> Habitat:<br/> Breeding adults<br/> Subspecies: <i>limosa</i><br/> 1984-1990<br/> Ring height: 7 mm (M)</p> |  |
|  |  |

### 3.1.4 – FOUR RINGS (+ METAL RING)

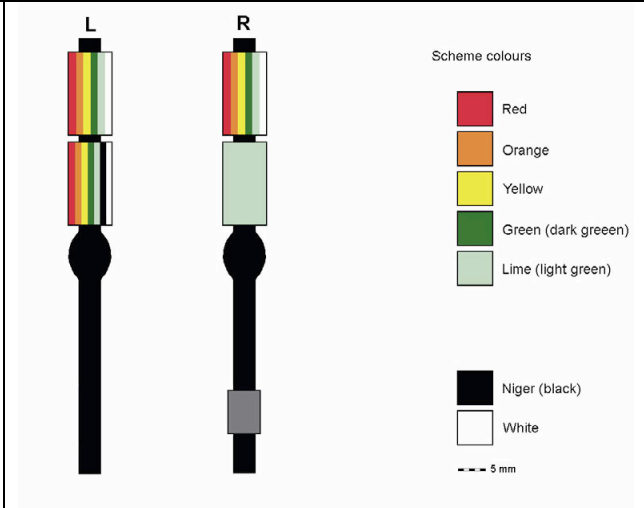
|  |   |
|--|---|
| <p><b>PP3</b><br/> Pete Potts – <a href="mailto:pete.potts@hants.gov.uk">pete.potts@hants.gov.uk</a><br/> Number of birds:<br/> Location:<br/> Habitat:<br/> <br/> Subspecies:<br/> Years:<br/> Ring height: 14 and 7 mm</p>   | <p><b>TRG1</b><br/> Tay Ringing Group - <a href="mailto:les@lydox.fsnet.co.uk">les@lydox.fsnet.co.uk</a><br/> Number of birds: 30<br/> Location: Eden Estuary Fife, Scotland - UK<br/> Habitat: intertidal saltmarsh<br/> Adults on passage<br/> Subspecies: <i>islandica</i><br/> 1993-<br/> Ring height: 7 mm</p>   |
|  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border: 1px solid black;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Orange</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Yellow</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black;"></span> Blue</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border: 1px solid black;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black;"></span> White</li> </ul> <p style="text-align: center;">5 mm</p> |  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border: 1px solid black;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Orange</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Yellow</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue; border: 1px solid black;"></span> Pale (light blue)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black;"></span> Blue</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border: 1px solid black;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black;"></span> White</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: grey; border: 1px solid black;"></span> Metal ring</li> </ul> <p style="text-align: center;">5 mm</p> |

|   |   |
|---|---|
| <p><b>GE1</b><br/> Guillaume Gélinaud - <a href="mailto:sepnb.sene@wanadoo.fr">sepnb.sene@wanadoo.fr</a><br/> Number of birds: 126<br/> Location: Golf de Morbihan - France<br/> Habitat: saltmarsh, mudflats, salinas<br/> Non-nesting adults<br/> Subspecies: <i>islandica (limosa)</i><br/> 2001 -<br/> Ring height: 15 mm</p>   | <p><b>JG2</b><br/> Jennifer Gill - <a href="mailto:j.gill@uea.ac.uk">j.gill@uea.ac.uk</a><br/> Number of birds: c. 200<br/> Location: Wash - UK<br/> Habitat:<br/> Non-breeding adults and juveniles<br/> Subspecies: <i>islandica</i><br/> 1995 -<br/> Ring height: 15 mm</p>  |
|  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border: 1px solid black;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Orange</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Yellow</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black;"></span> White</li> </ul> <p style="text-align: center;">5 mm</p> |  <p style="text-align: center;">Scheme colours</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border: 1px solid black;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Orange</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Yellow</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black;"></span> Green (dark green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Lime (light green)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border: 1px solid black;"></span> Niger (black)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black;"></span> White</li> </ul> <p style="text-align: center;">5 mm</p> |

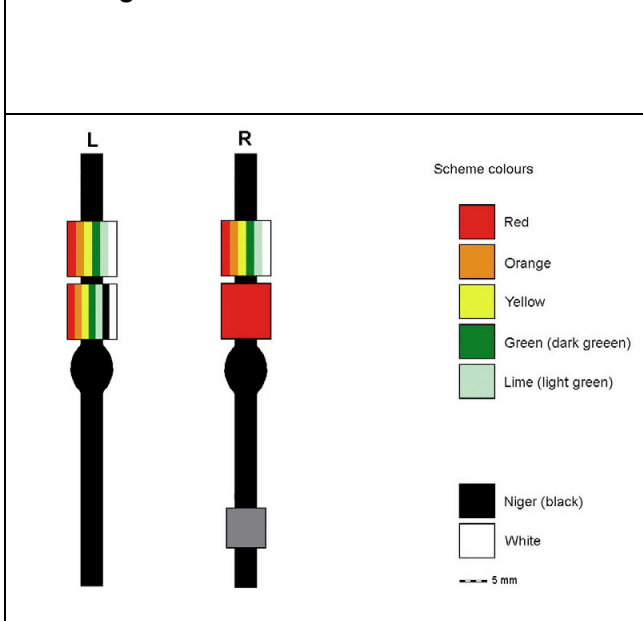
**TG5**  
 Tomas Gunnarsson - [limosa@simnet.is](mailto:limosa@simnet.is)  
 Number of birds: c. 200  
 Location: Iceland  
 Habitat:  
 Breeding  
 Subspecies: *islandica*  
 2000 -  
 Ring height: 14 mm



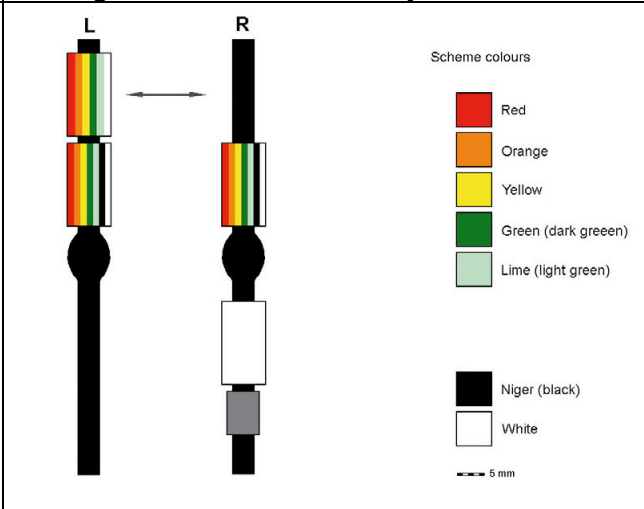
**TG6**  
 Tomas Gunnarsson - [limosa@simnet.is](mailto:limosa@simnet.is)  
 Number of birds: c. 200  
 Location: Iceland  
 Habitat:  
 Breeding  
 Subspecies: *islandica*  
 2000 -  
 Ring height: 14 mm



**TG7**  
 Tomas Gunnarsson - [limosa@simnet.is](mailto:limosa@simnet.is)  
 Number of birds:  
 Location: Iceland  
 Habitat:  
 Chicks  
 Subspecies: *islandica*  
 1999-2005  
 Ring height: 8, 10 or 14 mm  
 Drawing: 10 mm



**JG3**  
 Jennifer Gill - [j.gill@uea.ac.uk](mailto:j.gill@uea.ac.uk)  
 Number of birds: c. 350  
 Location: Wash estuary & Breydon Water, Norfolk, UK  
 Habitat:  
 Non-breeding adults and juveniles  
 ringed in autumn or winter  
 Subspecies: *islandica*  
 1995 -  
 Ring height: 15 mm. W ring (tarsus) 15mm or 20 mm  
 W ring often discoloured to yellow



RSPB2

RSPB [sabine.schmitt@rspb.org.uk](mailto:sabine.schmitt@rspb.org.uk)

Number of birds: c. 350

Location: UK

Habitat: Lowland wet grassland

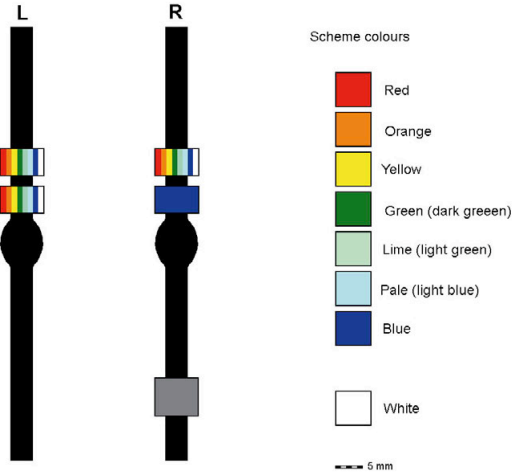
Chicks

Subspecies: *limosa*

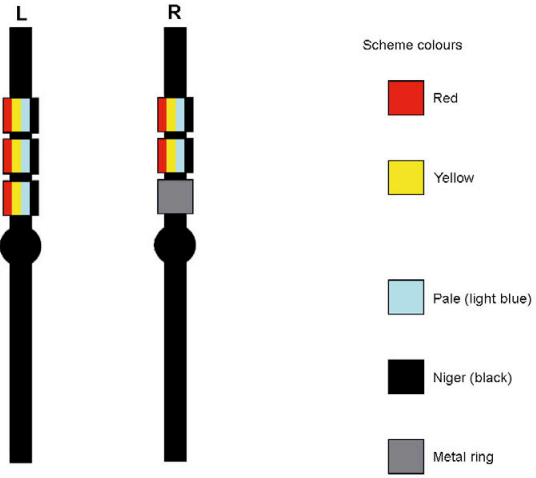
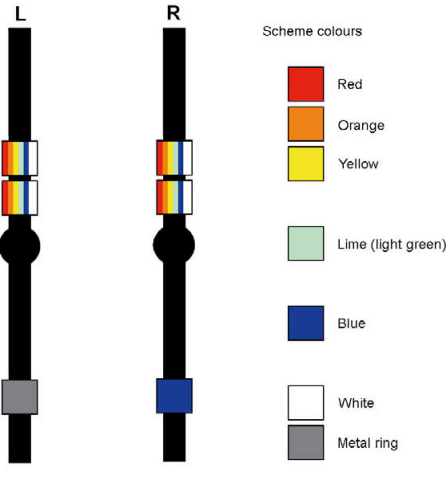
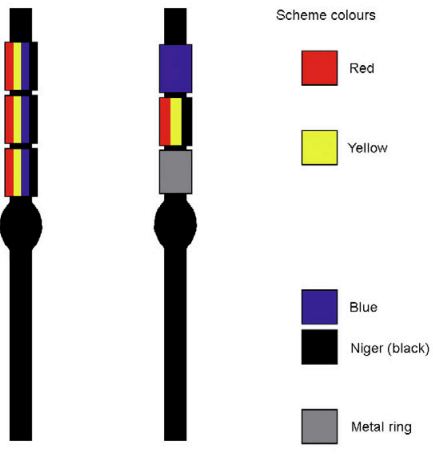
1998-2003

Ring height: 4/5 or 6/7 mm rings

Drawing: 5 mm



### 3.1.5 – FIVE RINGS (+ METAL RING)

|  |  |
|--|--|
| <p><a href="mailto:biolstat.ms@t-online.de">biolstat.ms@t-online.de</a><br/>         Number of birds:<br/>         Location: Deutschland<br/>         Habitat:<br/> <br/>         Subspecies:<br/>         Years:<br/>         Ring height:</p>  | <p><b>MR1</b><br/>         Maja Roodbergen -<br/> <a href="mailto:Maja.Roodbergen@wur.nl">Maja.Roodbergen@wur.nl</a><br/>         Number of birds: 254<br/>         Location: Nederland<br/>         Habitat: Meadows<br/>         Breeding adults and chicks<br/>         Subspecies: <i>limosa (islandica)</i><br/>         2002-2005<br/>         Ring height: 7, 10 or 14 mm rings<br/>         Drawing: 10 mm</p> |
|    |   |
| <p><b>NG2</b><br/>         Niko Groen - <a href="mailto:birdbv@zonnet.nl">birdbv@zonnet.nl</a><br/>         Number of birds: 270 (NG1-2)<br/>         Location: Schaalsmeerpolder, Netherlands<br/>         Habitat:<br/>         Breeding adults<br/>         Subspecies: <i>limosa</i><br/>         1984-1990<br/>         Ring height: 7 mm (M)</p> |  |
|   |  |

### 3.1.6 – SIX RINGS (+ METAL RING)

PP4

Pete Potts [pete.potts@hants.gov.uk](mailto:pete.potts@hants.gov.uk)

- Medway Estuary

