

ILLUSTRATED KEY FOR BLACK-TAILED GODWITS' COLOUR RING SCHEMES



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VERSION 6.1 – MARCH 2016

COVER PHOTOS

R6BYBY	Dutch	Photo: Jurgen Rotteveel 2010
R8-YR	Icelandic	Photo: Les Foster 2012
BN-O//B	Scotish	Photo: Henk Hin 2013
ROG-RNR	Kent, UK	Photo: Russell Sherriff 2014
RL-O=	Northern Ireland	Photo: Jonathan Clark 2013
NY-OfY	French	Photo: Bryan Wright 2012

ACKNOWLEDGEMENTS.

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

CONTACT

New schemes, updates, corrections and new information on schemes please send it to limosalimosa(you know what to put here)sapo.pt

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PREFACE

This is the sixth edition of the *Illustrated key for Black-tailed Godwit colour ring schemes*. The information was updated, new schemes added, and names recoded – unique country schemes and centrally coordinated schemes were renamed with the two-letter country codes.

As on previous versions, schemes without confirmed information were not included. They will be included as soon as information about them became available from ringers and scheme coordinators.

This version includes some schemes with no ringed birds from programs expected to begin running on 2015.

Schemes with birds ringed only on XX century were removed, with exception of RSPB1 that is known to still have at least one bird alive.

NOTES ABOUT SIGHTS

(Things to have in mind when seeing a ringed bird)

Discoloured rings – some colours can change with time or became dirty.

White is the most problematic colour, as it easily turns yellowish, or even reddish. On other hand, light-coloured rings can became whitish.

Some colours are difficult to distinguish, specially with poor light conditions.

The most easily confusing colours are:

dark green - dark blue - black;

yellow - orange – red;

light blue (pale) - light green (lime)

Ring size & shape - It's important to pay attention on the size and shape of rings. Most observers don't care about it, but in some cases this is important to scheme identification.

Flags - From the wrong angle, flags-rings can appear as a normal colour ring (more easily than thought!)

Engraved rings – some rings have one or more letters and/or numbers on it

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.

Don't forget! Bird's left leg it's only on your left side if you are looking the bird from back

HOW TO INTERPRET THE DRAWINGS

Each drawing indicates all possible combination of rings to the represented scheme. Figure 1 explains a hypothetic scheme.

Grey arrows – indicates rings that could have alternative positions and indicates the possible positions it can be.

A Multicolour ring represents a ring position 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 bird's legs. When both L & R are on both legs, the leg on drawing's left side could be either the bird's left or bird's right leg and the same for the leg on drawing's right side.

Drawings were done on scale when information about ring size is available (drawings without the 5 mm scale symbol aren't on scale).

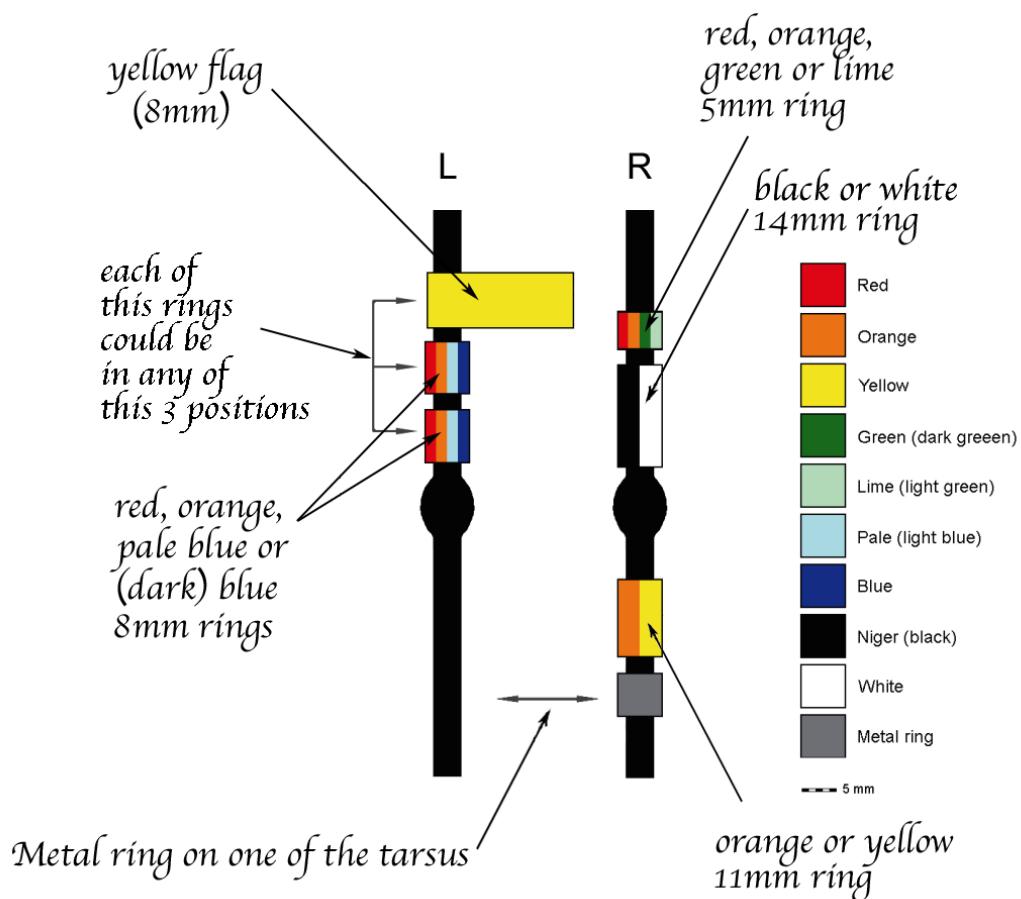


Figure 1 – drawing explanation based on a hypothetic scheme

REPORTING SIGHTS

WHERE TO SEND OBSERVATIONS

Information on sights should be sent to the **ringer** and to the **National Ringing Centre** of the country where the bird was observed. If you don't know which ringer should be contacted, you can send it to the [International Wader Study Group](#) (IWSG) or to the [EURING](#).

COLOUR CODES

Colours are represented by letters. Most people use the coding from EURING but others codes are also used, which unfortunately can result in mismatches. Table below lists the codes for the 10 most commonly used colours (R-C) and 4 barely used colours (V-S). Grey can be light or dark but there's no independent code. No schemes for Black-tailed Godwits with these last 4 colours.

COLOUR	INTERNATIONAL (EURING)	FRENCH
RED	R	R
ORANGE	O	O
YELLOW	Y	J
GREEN (DARK GREEN)	G	V
LIME (LIGHT GREEN)	L	P
PALE (LIGHT BLUE)	P	
BLUE (DARK BLUE)	B	B
BLACK (NIGER)	N	N
WHITE	W	Wh
DARK PINK (CARMIN)	C	
PURPLE (VIOLET)	V	M
LIGHT PINK	K	
BROWN (UMBER)	U	
GREY (SILVER)	S	

SYSTEMS OF REPRESENTING RINGS COMBINATIONS

There are several ways to write ring combinations. This section described some of the ways used to report Black-tailed godwit sights.

Absolute positions

Figure 2 shows absolute positions of rings. This system is mainly used on databases but it could help to understand the filling of webforms and by what we mean by Above Knee¹ and Below Knee. In this case, and in opposition to all other systems, rings are read down-up

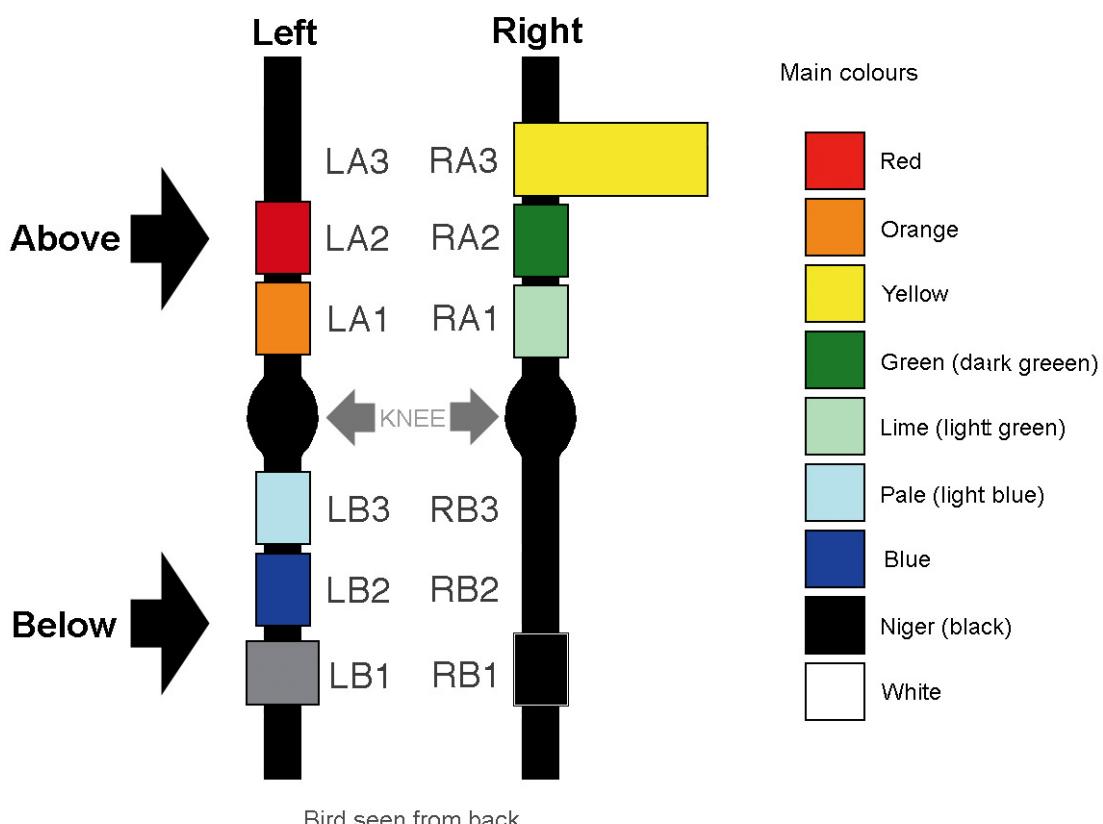


Figure 2 – Absolute positions explanation based on a hypothetic scheme. Each leg has 3 possible positions on tibia (above knee) and 3 on tarsus (below knee), even not all positions must effectively have rings. Positions are numbered upwards and include metal rings. In this example there's only one ring on right tarsus, on position RB1, and 2 on left tibia, Orange on LA1 and Red on LA2, while left tarsus and right tibia have all 3 positions full.

¹ It's usually referred as knee or ankle but has no exact match on human's anatomy. It splits the leg in *tibiatarsus* (commonly referred as tibia) and *tarsometatarsus* (commonly referred as tarsus)

IWSG system

Always begin by left leg rings. Rings on left and right legs separated by a plus (+) or a minus (-)

Above and below knee rings are separated by a slash² (/)

Each ring position separated by a comma (,)

Rings written from top to down

See figure 3 for examples

Simplified system

Same as before but with no commas. Usually rings on left and right legs separated by a minus (-)

See figure 3 for examples

Simplified computer friendly system

Same IWSG, without commas, always a minus (-) for legs and a plus (+), instead of splash (/), to knee

See figure 3 for examples

RUG³ system

Only applies to the RUG schemes (Netherlands). First letter is the flag colour followed by a number that gives flag position. Then all other 4 rings from downwards, first left then right leg.

See figure 3 for examples

² Some people uses two slashes (//)

³ University of Groningen, Netherlands

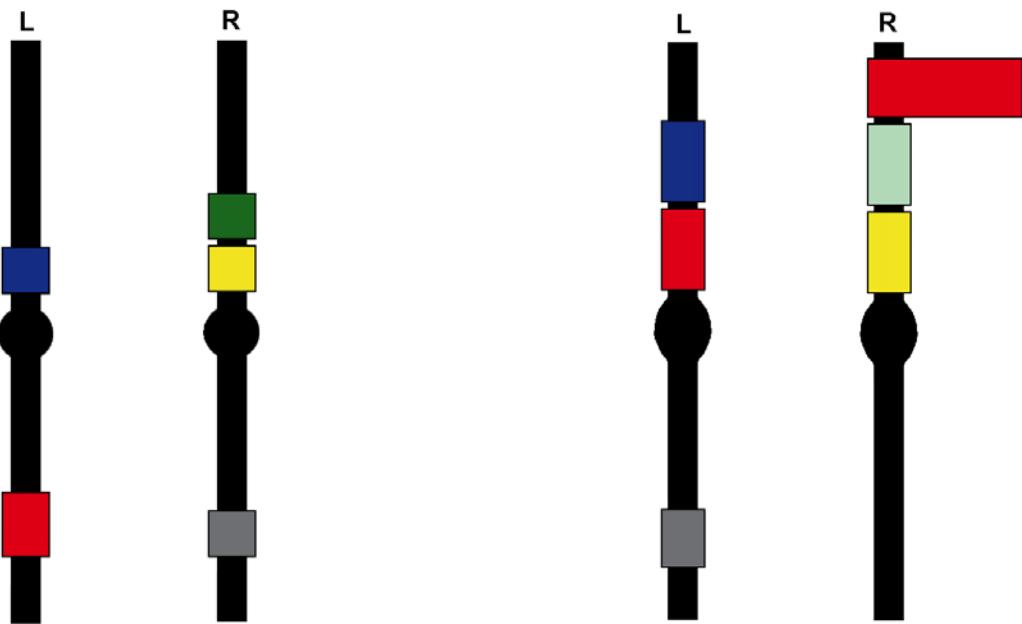


Figure 3 – examples on ring combinations. On left, example 1, from Pott's The Solent scheme. On right, example 2, a red flag (R2) from RUG's scheme.

IWSG/EURING

example 1 - „B/, „R-, G, Y/, „m (or „B/, „R+, G, Y/, „m)

example 2 - „B, R/, „m-Rf, L, Y/, „, (or „B, R/, „m+Rf, L, Y/, „,)

Simplified system

example 1 - B/R-GY/m

example 2 - BR/m-RfLY

Simplified computer friendly system

example 1 - B+R-GY+m

example 2 - BR+m-RfLY

RUG system

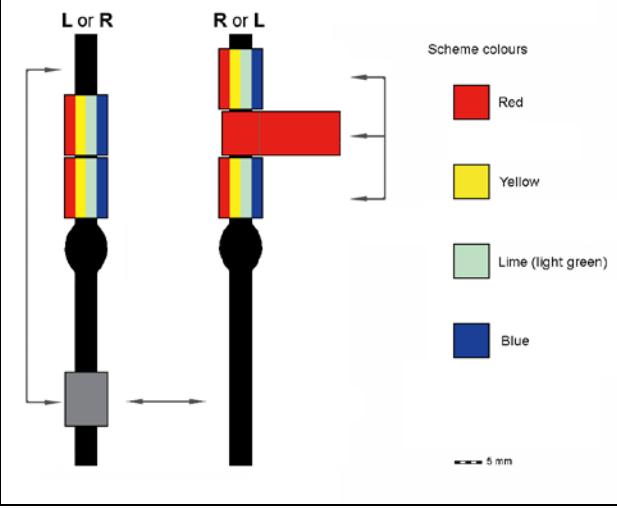
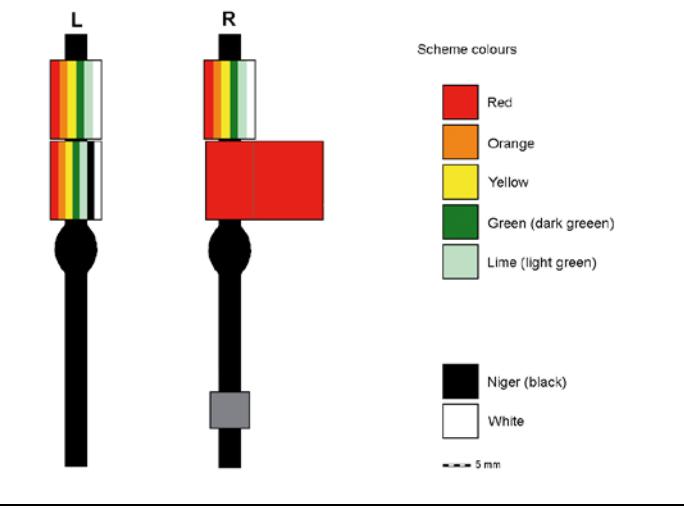
Example 2 - R2BRLY

KEY TO RINGED BLACK-TAILED GODWITS

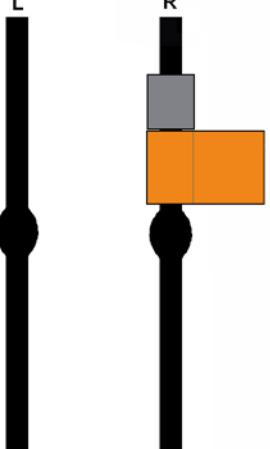
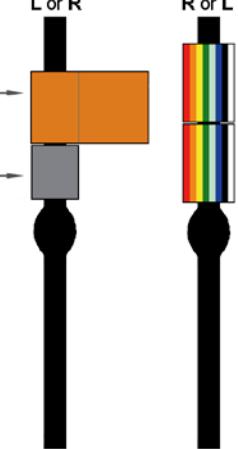
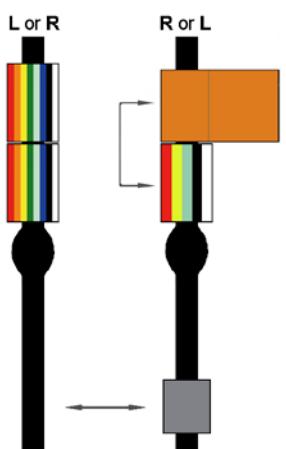
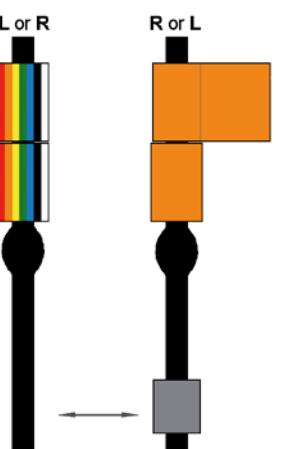
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1. WITH FLAG

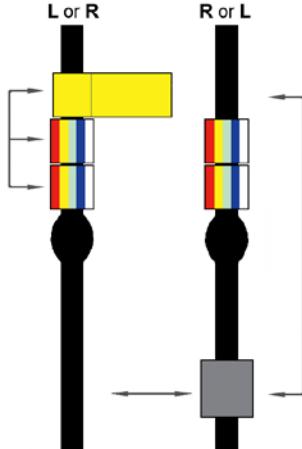
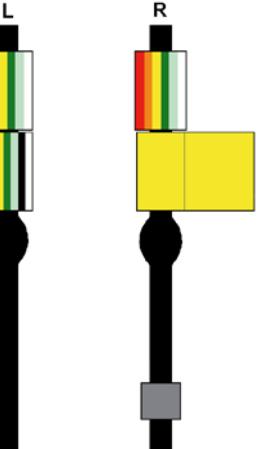
1.1 - RED FLAG

 <p>NL2 (R1-R6) Jos Hooijmeijer - j.c.hooijmeijer@rug.nl Location: Nederland (Outside SW Friesland) Breeding adults & chicks Subspecies: <i>limosa</i> 2004- <i>See note on Y flag</i></p>	 <p>TG2 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks Subspecies: <i>islandica</i> 1999-2009 Ring height: 10 mm or 14 mm <i>Drawing: 14 mm (for 10 mm see L flag)</i></p>
	

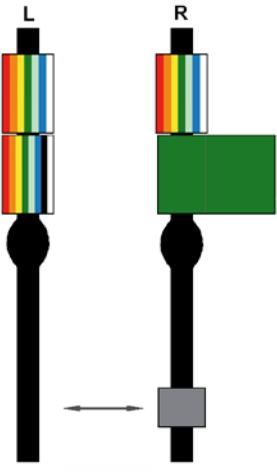
1.2 - ORANGE FLAG

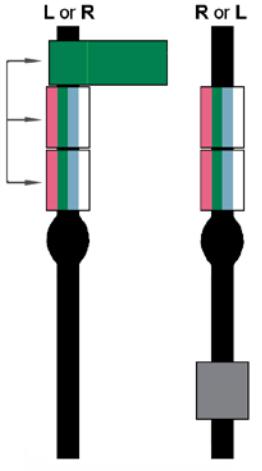
<p> PD0 Philippe Delaporte – vincent.lelong@lpo.fr Location: Moeze Oléron - France Migrating birds Subspecies: <i>islandica</i> 2002</p>	<p> PD1 Philippe Delaporte – vincent.lelong@lpo.fr Location: Moeze Oléron - France Migrating birds Subspecies: <i>islandica</i> (& <i>limosa</i>) 2004-2008 Never two rings same colour on same leg</p>
 <p>Scheme colours</p> <ul style="list-style-type: none"> Orange Metal ring <p>— 5 mm</p>	 <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White Metal ring <p>— 5 mm</p>
<p> PD2 Philippe Delaporte – vincent.lelong@lpo.fr Location: France - Moeze Oléron & Golf de Morbihan (OfR) Migrating birds Subspecies: <i>islandica</i> (& <i>limosa</i>) 2007- Never two rings same colour on same leg</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White Metal ring <p>— 5 mm</p>	<p> FR1 Frédéric Robin – frobin02@gmail.com Location: Marais Breton – France Breeding birds Subspecies: <i>limosa</i> 2012- Ring height: 15 mm Never two rings same colour on not flagged leg</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Blue Niger (black) White <p>— 5 mm</p>

1.3 – YELLOW FLAG

 NL1 (Y1-Y6) Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Friesland – Nederland Nesting adults & chicks Subspecies: <i>limosa</i> 2004 – Ring height: 8 mm (2004/05) or 11 mm (2006 -) <i>Drawing: 8 mm (for 11 mm see L, R or B flag drawings)</i> <i>Note: white only with flag on top left position</i> <i>Note: lime never with flag on top left</i>	 TG10 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks Subspecies: <i>islandica</i> 2012- Ring height: 14 mm
 <p>L or R R or L</p> <p>Scheme colours</p> <ul style="list-style-type: none"> █ Red █ Yellow █ Lime (light green) █ Blue █ White <p>— 5 mm</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> █ Red █ Orange █ Yellow █ Green (dark green) █ Lime (light green) █ Niger (black) █ White <p>— 5 mm</p>

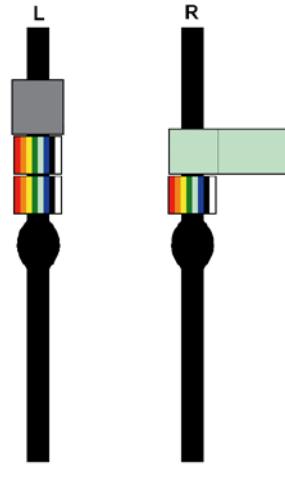
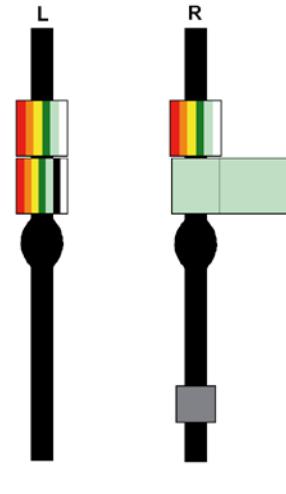
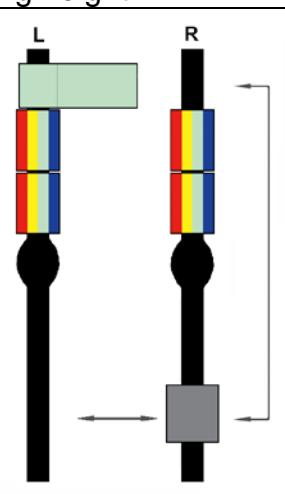
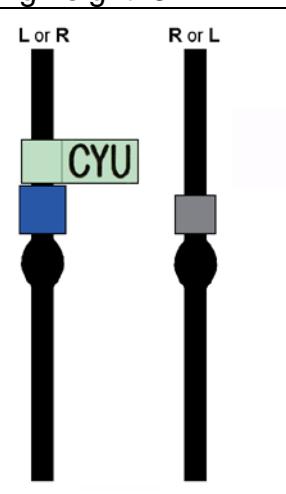
1.4 – (DARK) GREEN FLAG

 PT1 José Alves – j.alves@uea.ac.uk Location: Tagus Estuary – Portugal Adults on migration/wintering Subspecies: <i>islandica</i> (& <i>limosa</i>) 2006 –2015 <i>Ring height: 14 mm</i>	 NL7 Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Nederland Nesting chicks Subspecies: <i>limosa</i> 2012– <i>Ring height: 10 & 8 mm</i>												
 <p>Scheme colours</p> <table> <tbody> <tr><td>Red</td></tr> <tr><td>Orange</td></tr> <tr><td>Yellow</td></tr> <tr><td>Green (dark green)</td></tr> <tr><td>Lime (light green)</td></tr> <tr><td>Blue</td></tr> <tr><td>Niger (black)</td></tr> <tr><td>White</td></tr> </tbody> </table> <p>— 5 mm</p>	Red	Orange	Yellow	Green (dark green)	Lime (light green)	Blue	Niger (black)	White	 <p>Scheme colours</p> <table> <tbody> <tr><td>Carmin (dark pink)</td></tr> <tr><td>Green (dark green)</td></tr> <tr><td>Pale (light blue)</td></tr> <tr><td>White</td></tr> </tbody> </table> <p>— 5 mm</p>	Carmin (dark pink)	Green (dark green)	Pale (light blue)	White
Red													
Orange													
Yellow													
Green (dark green)													
Lime (light green)													
Blue													
Niger (black)													
White													
Carmin (dark pink)													
Green (dark green)													
Pale (light blue)													
White													

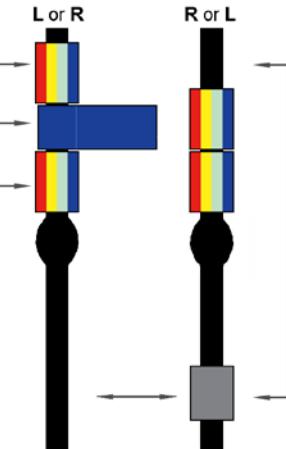
 NL8 (G1-G6) Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Nederland (Outside SW Friesland) Breeding adults & chicks Subspecies: <i>limosa</i> (2015 –) <i>Ring height: 11 mm</i>				
 <p>Scheme colours</p> <table> <tbody> <tr><td>Carmin (dark pink)</td></tr> <tr><td>Green (dark green)</td></tr> <tr><td>Pale (light blue)</td></tr> <tr><td>White</td></tr> </tbody> </table> <p>— 5 mm</p>	Carmin (dark pink)	Green (dark green)	Pale (light blue)	White
Carmin (dark pink)				
Green (dark green)				
Pale (light blue)				
White				

WHITE RING W/ A “W” ENGRAVED
(standard or flag ring?)

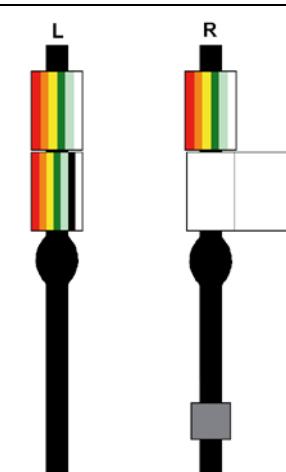
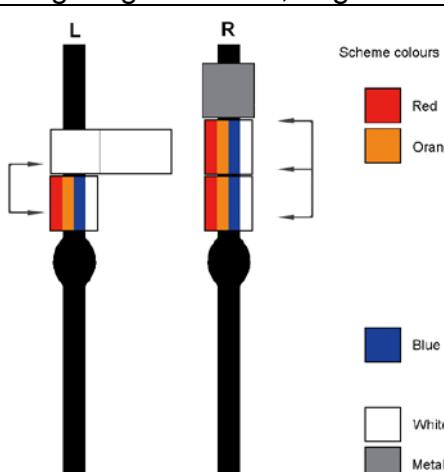
1.5 – LIME (LIGHT GREEN) FLAG

<p> JM1 José Masero – jamasero@unex.es Francisco Quesada – fquesada@unex.es Location: Extremadura – España Adults on migration/wintering Subspecies: <i>limosa</i> & <i>islandica</i> 2005 – 2013 Ring height: 7 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White Metal ri <p>— 5 mm</p>	<p> TG1 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks Subspecies: <i>islandica</i> 2005 – 2006 Ring height: 10 mm or 14 mm <i>Drawing: 10 mm (for 14 mm see R flag)</i></p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>— 5 mm</p>
<p> NL3 (L1) Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Nederland, Portugal & Spain Adults on migration/wintering Subspecies: <i>limosa</i> (<i>islandica</i>) 2007 – Ring height: 11 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Yellow Lime (light green) Blue <p>— 5 mm</p>	<p> NL6 Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Nederland Nesting chicks Subspecies: <i>limosa</i> 2009- Ring height: 8 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> CYU Lime (light green) Blue Metal ring <p>— 5 mm</p>

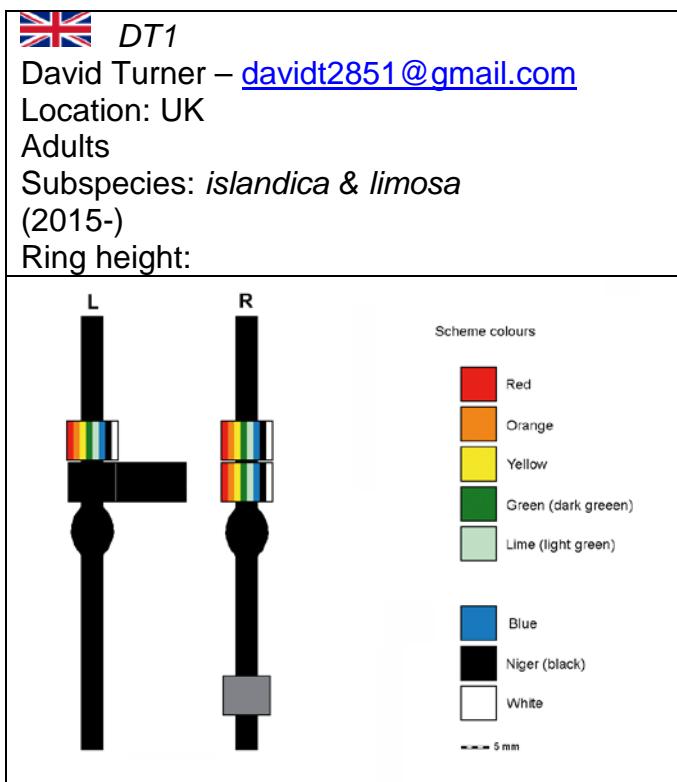
1.6 – (DARK) BLUE FLAG

 NL4 Jos Hooijmeijer – j.c.hooijmeijer@rug.nl Location: Friesland – Nederland Nesting adults Subspecies: <i>limosa</i> 2012 – Ring height: 11 mm	 <p>L or R R or L</p> <p>Scheme colours</p> <ul style="list-style-type: none"> ■ Red ■ Yellow ■ Lime (light green) ■ Blue <p>— 5 mm —</p>
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1.7 – WHITE FLAG

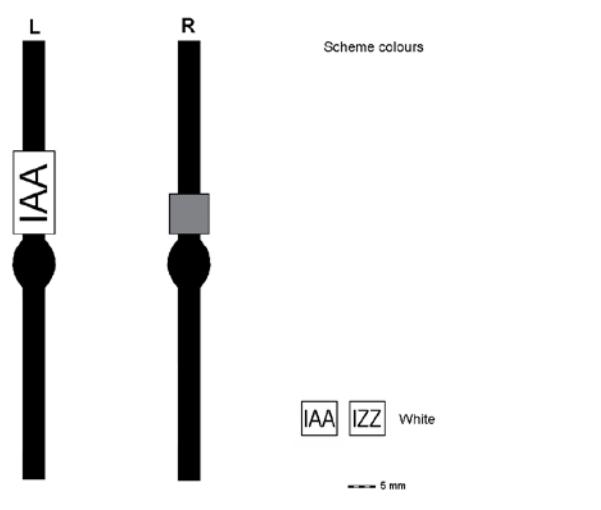
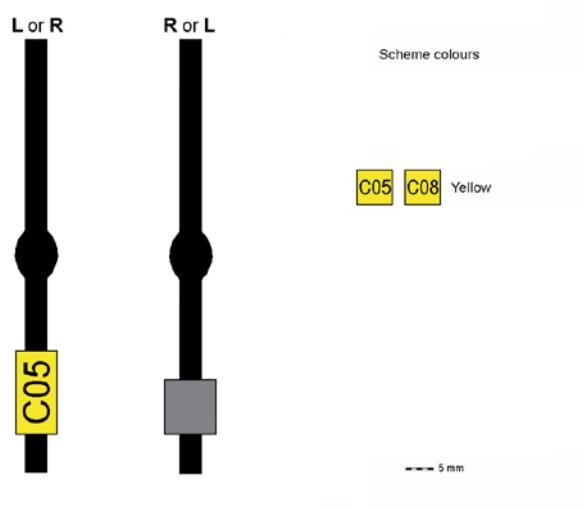
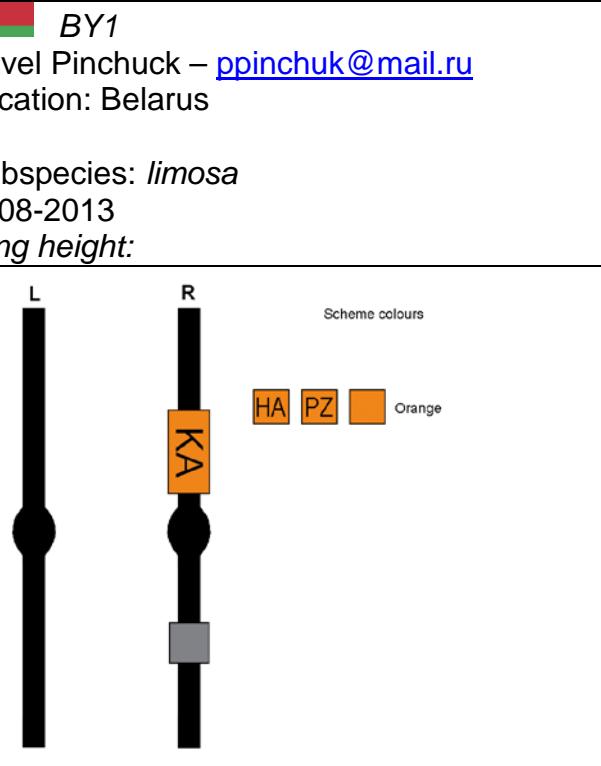
 TG9 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks (also a few adults) Subspecies: <i>islandica</i> 2010 – 2012 Ring height: 14 mm	 JM2 José Masero – jamasero@unex.es José Gómez-Pantoja – pipesg@yahoo.es Location: Extremadura – España Adults on migration/wintering Subspecies: <i>limosa</i> & <i>islandica</i> 2013 – Ring height: 10 mm, flag 8 mm
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> ■ Red ■ Orange ■ Yellow ■ Green (dark green) ■ Lime (light green) <p>■ Niger (black)</p> <p>□ White</p> <p>— 5 mm —</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> ■ Red ■ Orange <p>■ Blue</p> <p>□ White</p> <p>■ Metal ri</p> <p>— 5 mm —</p>

1.8 – BLACK FLAG

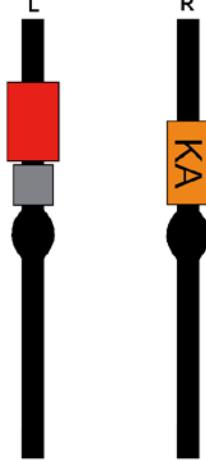
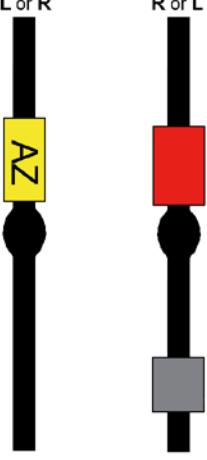
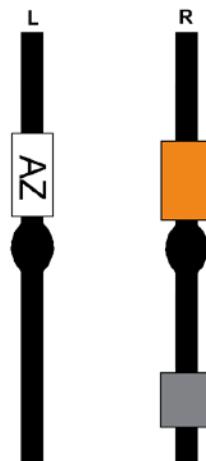
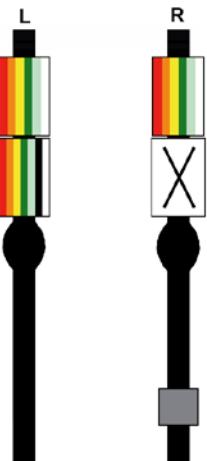


2. WITHOUT FLAG, WITH ENGRAVED RINGS

2.1 – ONLY ENGRAVED RINGS (& METAL)

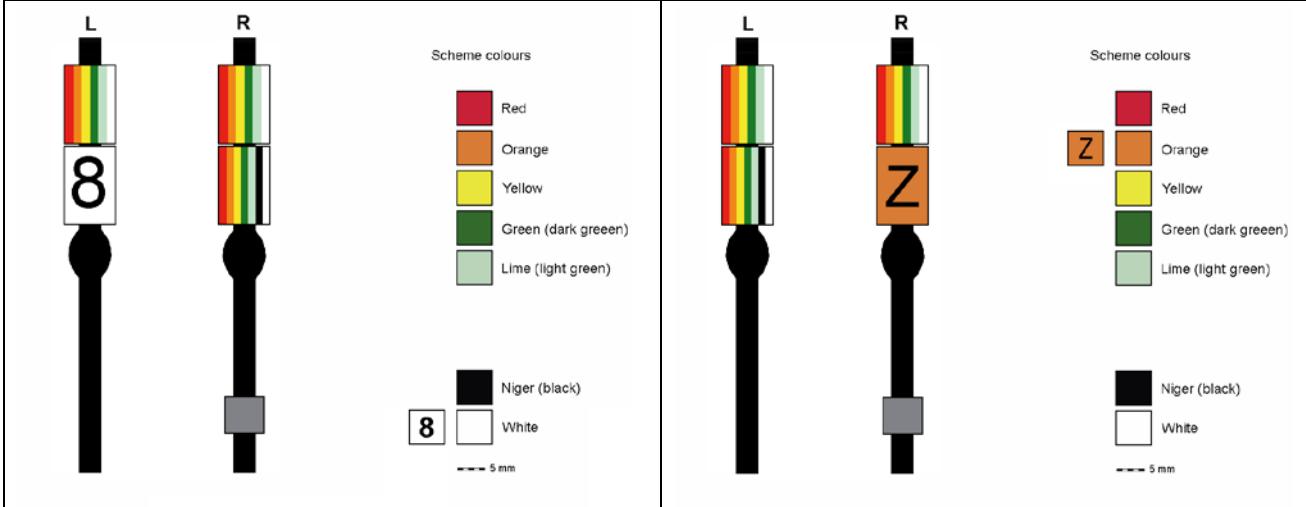
<p> MP1 Marco Pavia – marco.pavia@unito.it Sergio Fasano – sqfasano@gmail.com Location: Piedmont/ Vercelli – Italie Chicks Subspecies: <i>limosa</i> 2004- Ring height: 15 mm</p>	<p> FI1 Jari Valkama – jari.valkama@helsinki.fi Location: Finland Chicks Subspecies: <i>limosa</i> 2004 Ring height:</p>
 <p>L R</p> <p>Scheme colours</p> <p>IAA IZZ White</p> <p>— 5 mm</p>	 <p>L or R R or L</p> <p>Scheme colours</p> <p>C05 C08 Yellow</p> <p>— 5 mm</p>
<p> BY1 Pavel Pinchuk – ppinchuk@mail.ru Location: Belarus Subspecies: <i>limosa</i> 2008-2013 Ring height:</p>  <p>L R</p> <p>Scheme colours</p> <p>HA PZ Orange</p> <p>KA</p> <p>— 5 mm</p>	

2.2 WITH ENGRAVED RINGS + OTHER COLOUR RINGS (& METAL)

<p> BY2 Natalia Karlionova – karlionova@tut.by Location: Belarus</p> <p>Subspecies: <i>limosa</i> (2015-) Ring height:</p>  <p>Scheme colours: HA Red PZ Orange</p>	<p> FI2 Jari Valkama – jari.valkama@helsinki.fi Location: Finland Adults & chicks Subspecies: <i>limosa</i> 2014- Ring height:</p>  <p>Scheme colours: AA Red ZZ Yellow</p> <p>— 5 mm</p>
<p> SE1 Richard Ottvall - richard.ottvall@gmail.com Location: Sweden Breeding adults & chicks Subspecies: <i>limosa</i> (2015-) Ring height:</p>  <p>Scheme colours: AA White ZZ Orange</p>	<p> TG3 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Adults on passage Subspecies: <i>islandica</i> 2002 – 2012 Ring height: 14 mm</p>  <p>Scheme colours: Red Orange Yellow Green (dark green) Lime (light green)</p> <p> Niger (black)  White</p> <p>— 5 mm</p>

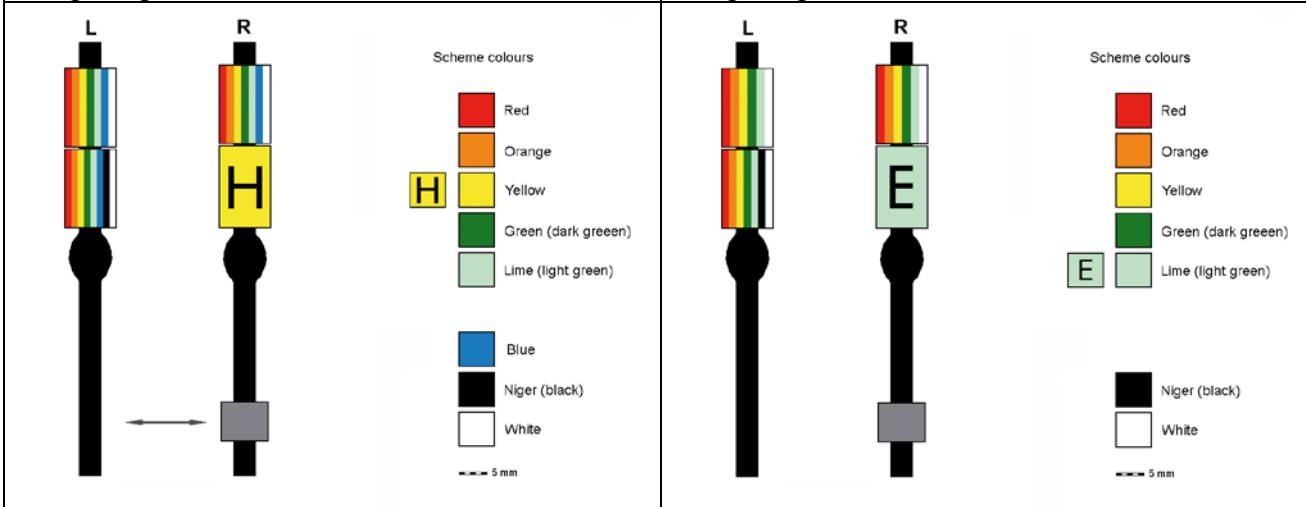
 TG8 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Adults Subspecies: <i>islandica</i> 2010 - Ring height: 14 mm
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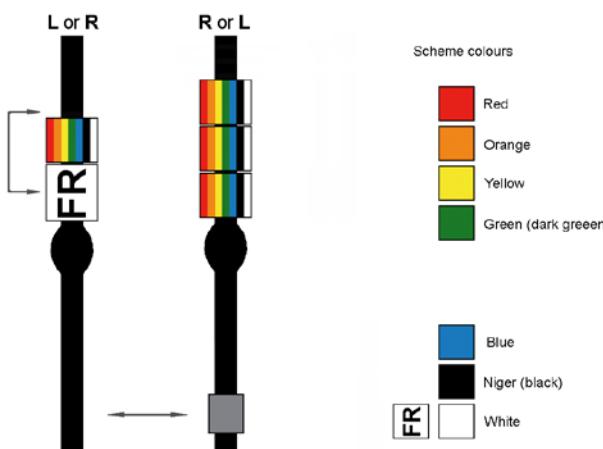
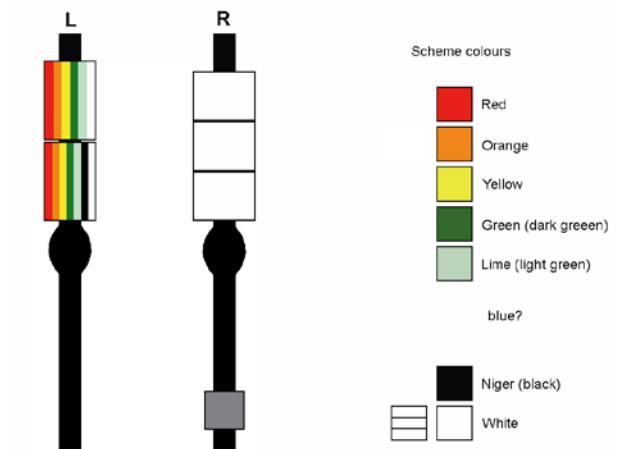
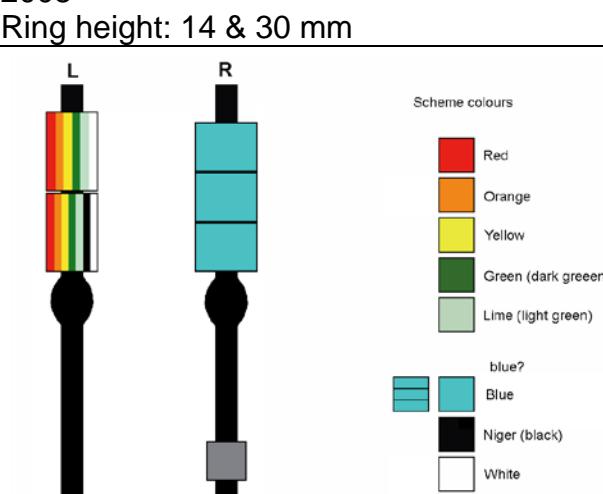
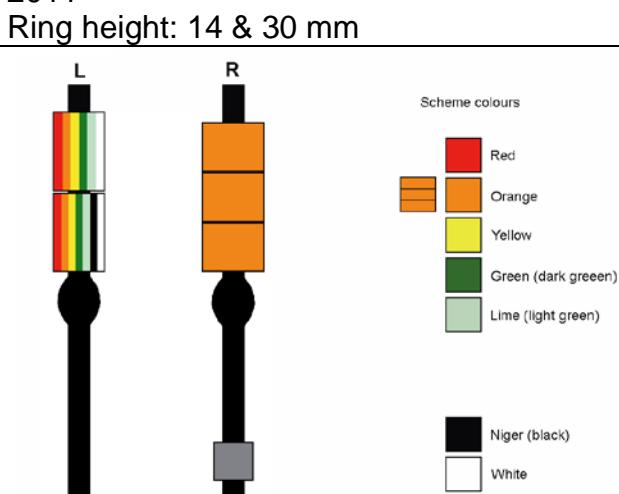
 TG11 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Adults Subspecies: <i>islandica</i> 2012- Ring height: 14 mm
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 PT2 José Alves – j.alves@uea.ac.uk Location: Tagus Estuary – Portugal Adults on migration/wintering Subspecies: <i>islandica</i> (& <i>limosa</i>) 2015- Ring height: 14 mm
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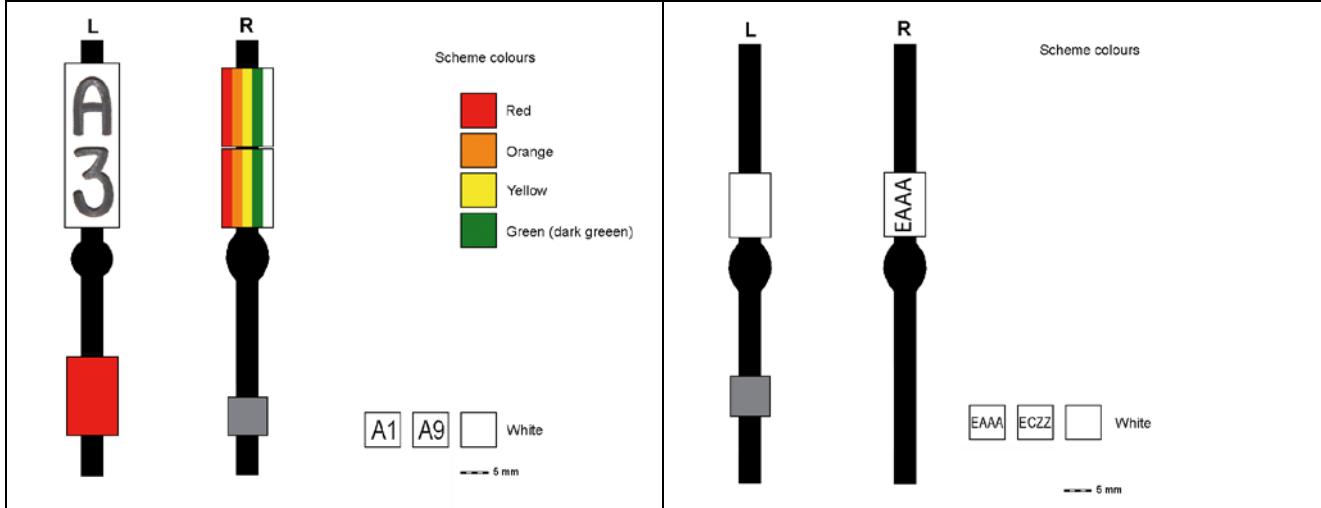
 RSPB5 Jennifer Smart – Jennifer.Smart@rspb.org.uk Location: UK Breeding birds Subspecies: <i>limosa</i> (2015-) Ring height: 14 mm



<p> FR2 Frédéric Robin – frobin02@gmail.com Location: Marais Breton – France Breeding adults & chicks Subspecies: <i>limosa</i> (2015-) Ring height: 8 & 10 mm <i>Neighbor rings never have the same color</i></p>  <p>L or R R or L</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Blue Niger (black) White <p>— 5 mm —</p>	<p> PP2W Barry O'Mahony – bomah@eircom.net Location: Cork Harbour – Ireland Non-breeding birds Subspecies: <i>islandica</i> 2002- Ring height: 14 & 30 mm</p>  <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Niger (black) White <p>blue?</p> <p>— 5 mm —</p>
<p> PP2B Pete Potts – pmpotts@tiscali.co.uk Location: North Ireland - UK Non-breeding birds Subspecies: <i>islandica</i> 2008- Ring height: 14 & 30 mm</p>  <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>— 5 mm —</p>	<p> PP2O Pete Potts – pmpotts@tiscali.co.uk Location: North Ireland - UK Non-breeding birds Subspecies: <i>islandica</i> 2011- Ring height: 14 & 30 mm</p>  <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Niger (black) White <p>— 5 mm —</p>

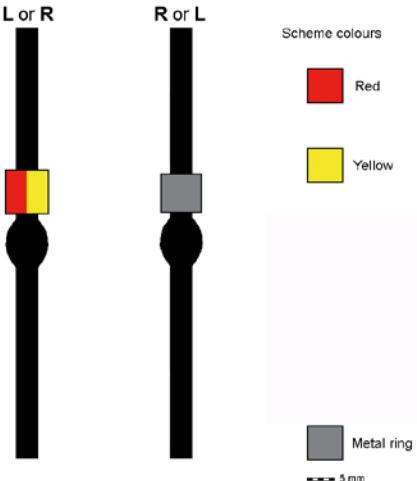
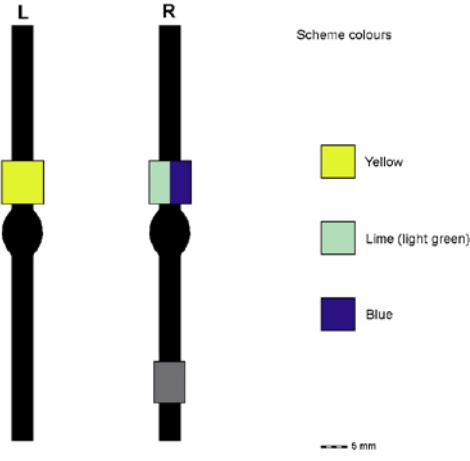
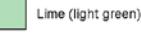
 PP1
 Pete Potts – pmpotts@tiscali.co.uk
 Location: The Solent – UK
 Non-breeding adults
 Subspecies: *islandica*
 2001-
 Ring height: 14 (colour) & 30 mm

 INBO1
 Geert Spanoghe - geert.spanoghe@inbo.be
 Location: East-Flanders - Belgium
 Subspecies:
 2013-

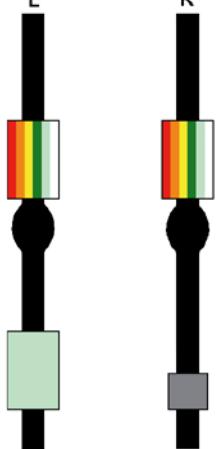
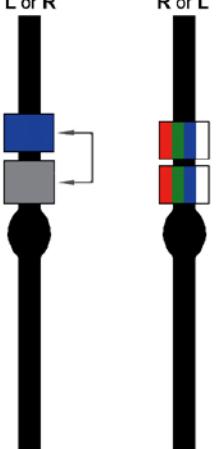


3. NO FLAG & NO ENGRAVED RINGS (BY NUMBER OF RINGS)

3.1 – ONE OR TWO RINGS (+ METAL RING)

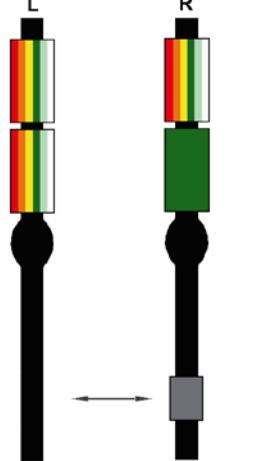
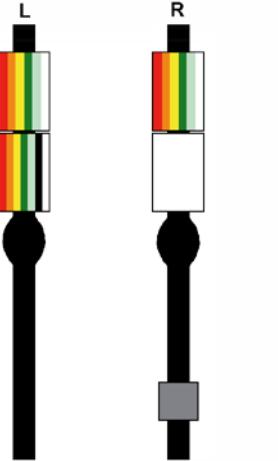
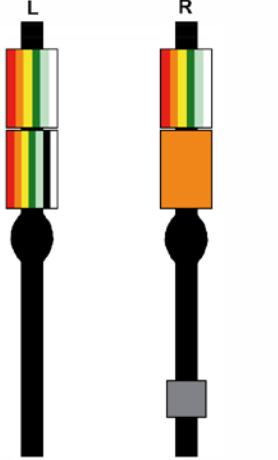
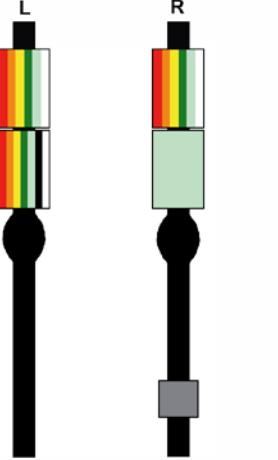
 <p>NL5 Jos Hooijmeijer - j.c.hooijmeijer@rug.nl Location: Nederland Chicks Subspecies: <i>limosa</i> 2006 (Y), 2007 (R) Ring height: 8 mm <i>Not an individual marker (group marker)</i></p>	 <p>RSPB1 RSPB - sabine.schmitt@rspb.org.uk Location: UK Chicks Subspecies: <i>limosa</i> 1997 Ring height: 7-10 mm(+) (depending on the size of the chicks) <i>Drawing: 7 mm</i> <i>Not an individual marker (group marker)</i></p>
 <p>L or R R or L Scheme colours  Red  Yellow  Metal ring </p>	 <p>L R Scheme colours  Yellow  Lime (light green)  Blue </p>

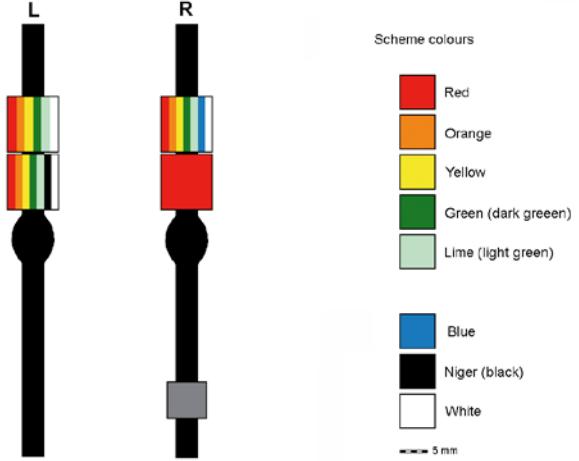
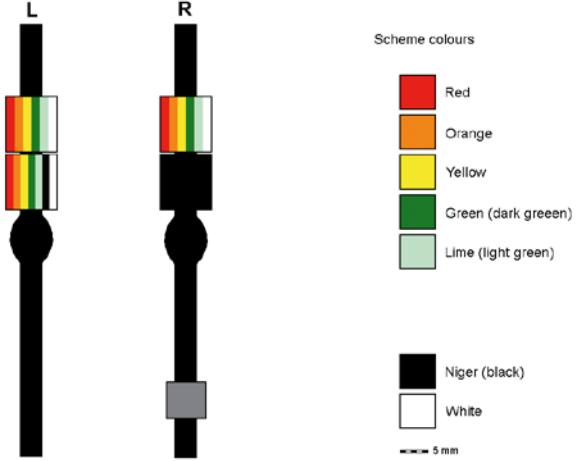
3.2 – THREE RINGS (+ METAL RING)

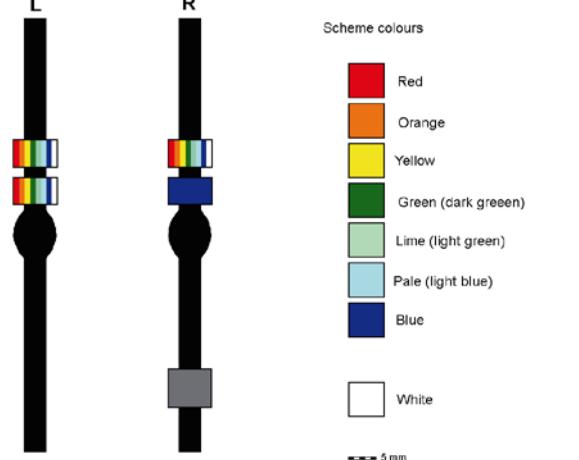
 TG4 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks Subspecies: <i>islandica</i> 2002-2003 Ring height: 15 mm <i>Brood marked birds</i>	 SEO1 Álvaro Díaz - alvaro.diaz.pastor@gmail.com Location: Cantabria – España Subspecies:										
 <p style="text-align: center;">Scheme colours</p> <table border="1"> <tr><td>Red</td></tr> <tr><td>Orange</td></tr> <tr><td>Yellow</td></tr> <tr><td>Green (dark green)</td></tr> <tr><td>Lime (light green)</td></tr> </table> <p style="text-align: center;">White</p> <p style="text-align: center;">— 5 mm —</p>	Red	Orange	Yellow	Green (dark green)	Lime (light green)	 <p style="text-align: center;">Scheme colours</p> <table border="1"> <tr><td>Red</td></tr> <tr><td>Green (dark green)</td></tr> <tr><td>Blue</td></tr> <tr><td>White</td></tr> <tr><td>Metal ring</td></tr> </table> <p style="text-align: center;">White</p> <p style="text-align: center;">— 5 mm —</p>	Red	Green (dark green)	Blue	White	Metal ring
Red											
Orange											
Yellow											
Green (dark green)											
Lime (light green)											
Red											
Green (dark green)											
Blue											
White											
Metal ring											

3.3 – FOUR COLOUR RINGS (+ METAL RING)

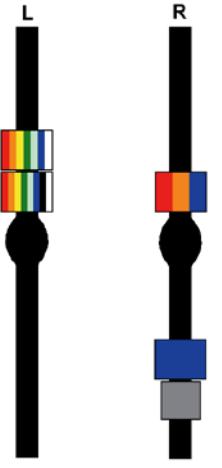
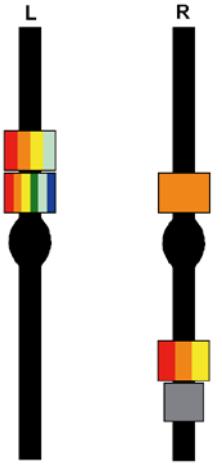
3.3.1 - FOUR C-RINGS WITHOUT C-RINGS ON TARSUS

<p> GE1 Guillaume Gélinaud - guillaume.gelinaud@bretagne-vivante.org Location: Golf de Morbihan - France Non-nesting adults Subspecies: <i>islandica</i> (<i>limosa</i>) 2001 - Ring height: 15 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>White</p> <p>— 5 mm —</p>	<p> JG2 Jennifer Gill - j.gill@uea.ac.uk Location: Wash & Breydon Water - UK Non-breeding adults and juveniles Subspecies: <i>islandica</i> 1995 - Ring height: 15 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>Niger (black)</p> <p>White</p> <p>— 5 mm —</p>
<p> TG5 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Breeding Subspecies: <i>islandica</i> 2000 - Ring height: 14 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>Niger (black)</p> <p>White</p> <p>— 5 mm —</p>	<p> TG6 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Breeding Subspecies: <i>islandica</i> 2000 - 2009 Ring height: 14 mm</p>  <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>Niger (black)</p> <p>White</p> <p>— 5 mm —</p>

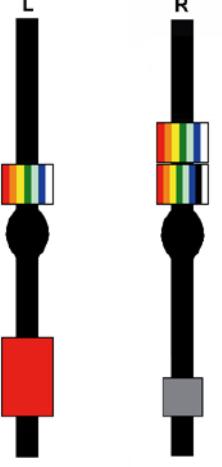
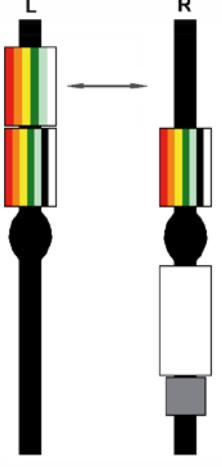
<p> TG7 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Chicks Subspecies: <i>islandica</i> 1999-2005; 2013- Ring height: 8, 10 or 14 mm Drawing: 10 mm</p>	<p> TG12 Tomas Gunnarsson icelandwader@gmail.com Location: Iceland Subspecies: <i>islandica</i> 2013- Ring height: 10 or 14 mm Drawing: 10 mm</p>
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>— 5 mm —</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Niger (black) White <p>— 5 mm —</p>

<p> RSPB2 RSPB - sabine.schmitt@rspb.org.uk Location: UK Chicks Subspecies: <i>limosa</i> 1998-2003 Ring height: 4/5 or 6/7 mm rings Drawing: 5 mm</p>
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Pale (light blue) Blue White <p>— 5 mm —</p>

3.3.2 – FOUR C-RINGS WITH C-RINGS ON TARSUS

<p> SCO1 Raymond Duncan – raymond@waxwing.fsnet.co.uk Location: Montrose & Ythan Estuary, Scotland – UK Adults on migration Subspecies: 2007- Ring height: 7 & 14 mm</p>	<p> TRG1 Les Hatton – les@edenecology.co.uk Location: Eden Estuary Fife, Scotland – UK Adults on migration Subspecies: <i>islandica</i> 1991- Ring height: 7 mm</p>
 <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <ul style="list-style-type: none"> Blue Niger (black) White Metal ring <p>— 6 mm —</p>	 <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <ul style="list-style-type: none"> Blue <p>— 5 mm —</p>

<p> PP3 Pete Potts – pmpotts@tiscali.co.uk Location: The Solent – UK Non-breeding adults Subspecies: <i>islandica</i> 1992- Ring height: 14 and 7 mm</p>	<p> JG3 Jennifer Gill – j.gill@uea.ac.uk Location: Wash & Breydon Water, UK Non-breeding adults and juveniles ringed in autumn or winter Subspecies: <i>islandica</i> 1995 – Ring height: 15 mm. Tarsus W ring: 15mm or 20 mm W ring often discoloured to yellow</p>
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 <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <ul style="list-style-type: none"> Blue Niger (black) White <p>— 5 mm —</p>	 <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <ul style="list-style-type: none"> Niger (black) White <p>— 5 mm —</p>
--	---



AC1

Antonio Cordeiro -

antoniofcordeiro@hotmail.com

anelamento.andurinha@gmail.com

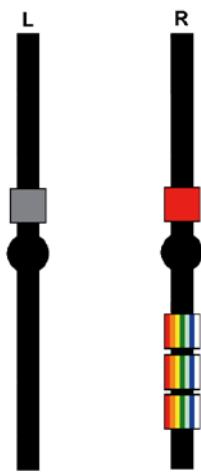
Location: Galicia, Spain

Non-breeding adults

Subspecies:

2011 –

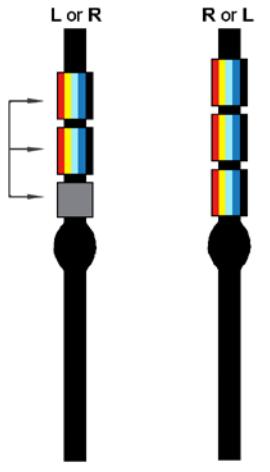
Ring height:



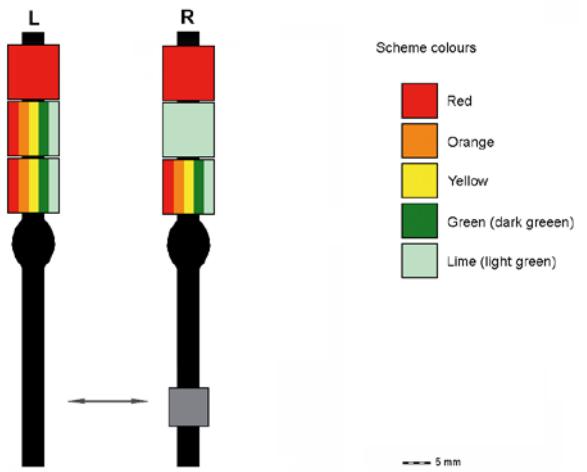
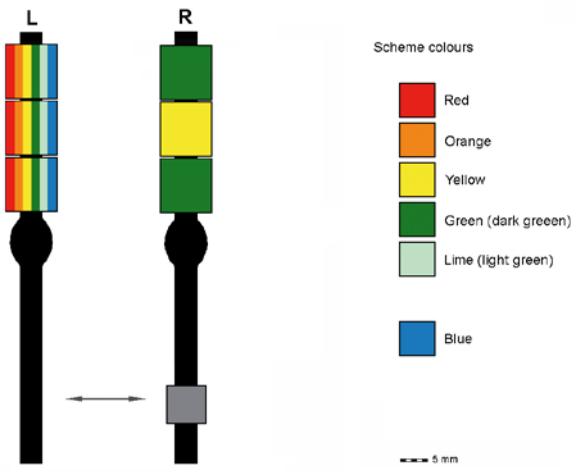
Scheme colours

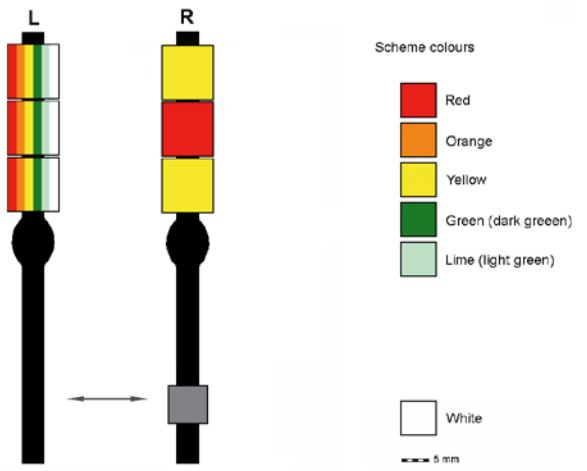
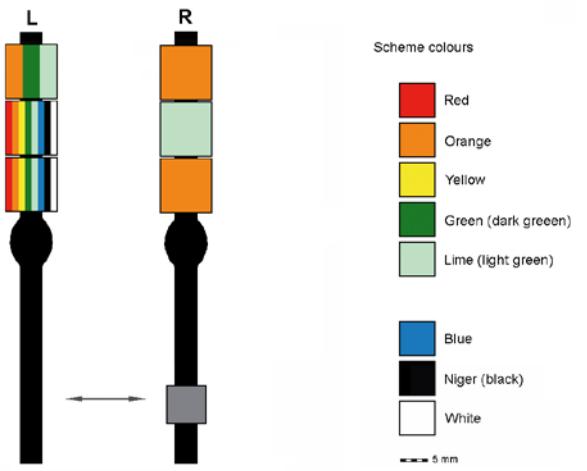
■	Red
■	Orange
■	Yellow
■	Green (dark green)
■	Lime (light green)
■	Blue
■	White

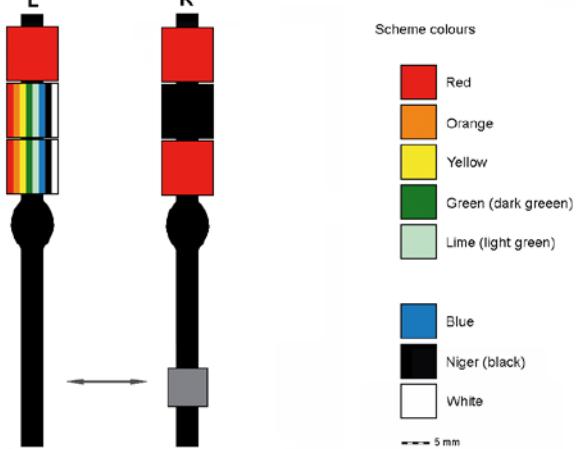
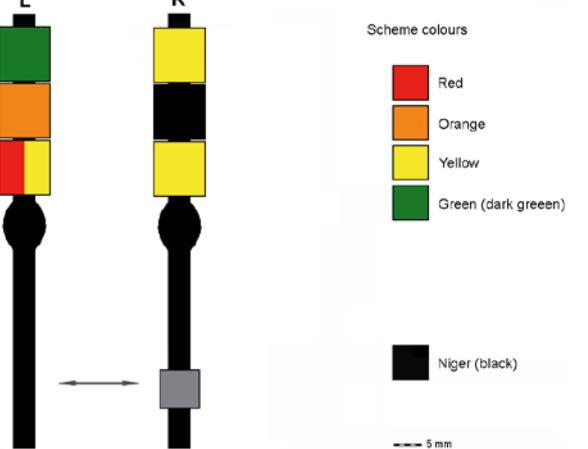
3.5 – FIVE RINGS (+ METAL RING)

 DE2 Johannes Melter – j.melter@bio-consult-os.de Location: Deutschland Breeding adults & chicks Subspecies: <i>limosa</i> 1972- Ring height: 9 mm	 MR1 Frank Majoor – f.majoor5@upcmail.nl Location: Nederland Breeding adults and chicks Subspecies: <i>limosa (islandica)</i> 2002-2005 Ring height: 7, 10 or 14 mm rings <i>Drawing: 10 mm</i>
 <p>L or R</p>  <p>R or L</p> <p>Scheme colours</p> <ul style="list-style-type: none">  Red  Yellow  Blue  Niger (black)  Metal ring <p>— 5 mm</p>	 <p>L</p>  <p>R</p> <p>Scheme colours</p> <ul style="list-style-type: none">  Red  Orange  Yellow  Lime (light green)  Blue  White  Metal ring

3.6 – SIX RINGS (+ METAL RING)

<p> PP4 Pete Potts - pmpotts@tiscali.co.uk Location: Medway Estuary – UK adults Subspecies: <i>islandica</i> 2005- Ring height: 10 mm</p>	<p> PP5 Pete Potts - pmpotts@tiscali.co.uk Location: Alde Estuary – UK Non-breeding birds Subspecies: <i>islandica</i> 2007- Ring height: 10 mm</p>
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>5 mm</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue <p>5 mm</p>

<p> PP6 Pete Potts - pmpotts@tiscali.co.uk Location: Axe Estuary - UK Non-breeding birds Subspecies: <i>islandica</i> 2008- Ring height: 10 mm</p>	<p> PP7 Pete Potts - pmpotts@tiscali.co.uk Location: Orwell Estuary - UK Non-breeding birds Subspecies: <i>islandica</i> 2008- Ring height: 10 mm</p>
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) <p>White</p> <p>5 mm</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>5 mm</p>

 PP8 Pete Potts - pmpotts@tiscali.co.uk Location: Swale - UK Non-breeding birds Subspecies: <i>islandica</i> 2008- Ring height: 10 mm	 PP9 Pete Potts - pmpotts@tiscali.co.uk Location: Poole Harbour - UK Non-breeding birds Subspecies: <i>islandica</i> 2013- Ring height: 10 mm
 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>— 5 mm —</p>	 <p>L R</p> <p>Scheme colours</p> <ul style="list-style-type: none"> Red Orange Yellow Green (dark green) Lime (light green) Blue Niger (black) White <p>— 5 mm —</p>