# HALF-PERIOD CODING FOR A 5-PASS STANDARD HERRINGBONE KNOTS ( 6L 5B THK component) EVEN VERSION ( PART 2 of 2 ---- 1 rst part is ODD VERSION ) <br> By Charles HAMEL aka Nautile - Nov 2009 

I will not repeat here what was said in the ODD version and go directly to the heart of the matter.

Attentive reader will surely see the difference in the "coding schema" between the HERRINGBONE with component having EVEN number of LEAD and those Having an ODD number of LEAD.

For more details just peruse my personal web pages

SCHAAKE (†2009) \& TURNER in STANDARD HERRINGBONE KNOTS give all that is necessary to find the coding of any knot you might conceive in this category.
You can easily acquire that book with some other ones, just go to my "What is new" web page or see how to contact Dr John TURNER. ( be patient please )


PASS N9 is BLACK, N2 is YELLOW, N 3 is RED, N 9 is GREEN, N5 is BLUE. Colours were chosen not for aesthetic but because they where available and contrasted.
DO NOT FORGET to strictly obey to the ordering sequence of the PASSes ! ;-)

## 1-PASS---( ODD )

HP1: FREE RUN
HP2: 01
HP3: U1
HP4: U1-01
HP5: O1-U1
HP6: 01-U1-01
HP7: U1-01-U1
HP8: U1-01-U1-01
HP9: O1-U1-01-U1
HP10: O1-U1-O1-U1-01

## 3-PASS-( ODD)

HP1: U2- O2 - U2 - O2- U2 - O2
HP2: O 2 - U2-02-U2- O3-U2
HP3: U2- O2-U2- O2-U3-O2
HP4: $\mathbf{O 2}$ - U2- $\mathbf{O 2}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} 2$
HP5: U2- O2-U2- O
HP6: $\mathbf{O 2}-\mathrm{U} 2-\mathrm{O} 3-\mathrm{U} 3-\mathrm{O} \underline{3}-\mathrm{U} 2$
HP7: U2-02-U3-O3-U3-02
HP8: $\mathbf{0 2}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} 2$
HP9: U2-O $\underline{3}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} \underline{3}-\mathrm{O} 2$
HP10: O $\underline{3}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} \underline{3}-\mathrm{O} \underline{3}-\mathrm{U} 2$

## 5-PASS---( ODD )

HP1: U4-04-U4-04-U4-O4
HP2: $\mathrm{O4}$ - U4- O4-U4- O5- U4
HP3: U4-04-U4-04- U5-04
HP4: 04 - U4-04-U5 - O5 - U4
HP5: U4-04-U4-05- U5-04
HP6: 04 - U4- O $\underline{5}$ - U $\underline{5}-\mathbf{O} \underline{5}-$ U4

HP8: 04 - U5 - Oㄷ - U5 - O 5 - U4
HP9: U4- O
HP10: O $\underline{5}$ - U $\underline{5}-\mathbf{O} \underline{5}-\mathrm{U} \underline{5}-\mathrm{O} \underline{5}-\mathrm{U} 4$

## PASS---(EVEN )

HP1: U1-O1-U1-O1-U1-O1
HP2: $\mathbf{O 1}$ - U1-01-U1- O1- U2
HP3: U1-O1-U1-O1-U1-O2
HP4: 01 - U1- O1-U1- O2 $-\mathrm{U} \underline{2}$
HP5: U1-01-U1-01-U2 - O2
HP6: $\mathbf{0 1}-\mathrm{U} 1-\mathrm{O} 1-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}-\mathrm{U} \underline{2}$
HP7: U1-01-U1-O2 $-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}$
HP8: $\mathbf{0 1}-\mathrm{U} 1-\mathrm{O} \underline{2}-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}-\mathrm{U} \underline{2}$ HP9: U1-01-U2-O2 $-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}$ HP10: $\mathbf{0 1}-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}-\mathrm{U} \underline{2}-\mathbf{O} \underline{2}-\mathrm{U} \underline{2}$

## 4-PASS---(EVEN )

HP1: U3- O3-U3-O3-U3-O3
HP2: $\mathrm{O} 3-\mathrm{U} 3-\mathrm{O} 3-\mathrm{U} 3-\mathrm{O} 3-\mathrm{U} 4$
HP3: U3-O3-U3-O3-U3-O4
HP4: O3-U3- O3-U3-O4-U4
HP5: U3-O3-U3-O3-U4-O4
HP6: O3-U3- O3-U $\underline{4}-\mathrm{O} 4-\mathrm{U} \underline{4}$
HP7: U3-O3-U3-O4-U4-O4
HP8: $03-\mathrm{U} 3-\mathrm{O} \underline{4}-\mathrm{U} \underline{4}-\mathrm{O} \underline{4}-\mathrm{U} \underline{4}$
HP9: U3-03-U $\underline{4}-\underline{\mathbf{O 4}}-\mathrm{U} \underline{4}-\mathbf{O} \underline{4}$
HP10: $\mathbf{O} 3-\mathrm{U} \underline{4}-\mathbf{O} \underline{4}-\mathbf{U} \underline{4}-\mathbf{O} \underline{4}-\mathrm{U} \underline{4}$

Charitable tip : DO NOT ATTEMPT that one the first time using only one colour for all PASS!
You are warned "monsters lie that single colour way!

It is easy for anyone to find the $6{ }^{\text {th }}$,
$7^{\text {th }} \ldots .$. Nth PASS of this one!
Observation of the preceding code is more than sufficient tip

Every one must have seen the 'difference' between EVEN and ODD versions and between EVEN numbered and ODD numbered PASS. (the 'specific' table must be calculated for each $x L$ yB ) PASS number is denoted A

ODD number of LEAD in component THK (5L 4B)
ODD numbered PASS

| H-P 1 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A-1) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| H-P 2 | U (A-1) | O (A-1) | U (A-1) | O (A) | U (A-1) |
| H-P 3 | U (A-1) | O (A-1) | U (A-1) | O (A) | U (A-1) |
| H-P 4 | U (A-1) | O (A-1) | U (A) | O (A) | U (A-1) |
| H-P 5 | U (A-1) | O (A-1) | U (A) | O (A) | U (A-1) |
| H-P 6 | U (A-1) | O (A) | U (A) | O (A) | U (A-1) |
| H-P 7 | U (A-1) | O (A) | U (A) | O (A) | U (A-1) |
| H-P 8 | U (A) | O (A) | U (A) | O (A) | U (A-1) |

EVEN numbered PASS

| H-P 1 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| H-P 2 | $\mathbf{U}(\mathrm{~A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 3 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 4 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 5 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 6 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathbf{A})$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 7 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathrm{A}-1)$ | $\mathbf{U}(\mathbf{A})$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ |
| H-P 8 | $\mathbf{U}(\mathrm{A}-1)$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ | $\mathrm{O}(\mathbf{A})$ | $\mathbf{U}(\mathbf{A})$ |

EVEN number of LEAD in component THK (6L 5B)
ODD numbered PASS

| H-P 1 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U(A) | O (A-1) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H-P 2 | O (A-1) | U (A-1) | O (A-1) | U (A-1) | $\mathrm{O}(\mathbf{A})$ | U (A-1) |
| H-P 3 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A) | O (A-1) |
| H-P 4 | O (A-1) | U (A-1) | O (A-1) | U (A) | O (A) | U (A-1) |
| H-P 5 | U (A-1) | O (A-1) | U (A-1) | O (A) | U (A) | O (A-1) |
| H-P 6 | O (A-1) | U (A-1) | O (A) | U (A) | O (A) | U (A-1) |
| H-P 7 | U (A-1) | O (A-1) | U (A) | O (A) | U (A) | O (A-1) |
| H-P 8 | O (A-1) | U (A) | $\mathrm{O}(\mathbf{A})$ | U (A) | O (A) | U (A-1) |
| H-P 9 | U (A-1) | O (A) | U (A) | O (A) | U (A) | O (A-1) |
| H-P-10 | O (A) | U (A) | O (A) | U (A) | O (A) | U (A-1) |

EVEN numbered PASS

| H-P 1 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A-1) | O (A-1) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H-P 2 | O (A-1) | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A) |
| H-P 3 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A-1) | O (A) |
| H-P 4 | O (A-1) | U (A-1) | O (A-1) | U (A-1) | O (A) | U (A) |
| H-P 5 | U (A-1) | O (A-1) | U (A-1) | O (A-1) | U (A) | O (A) |
| H-P 6 | O (A-1) | U (A-1) | O (A-1) | U (A) | O (A) | U (A) |
| H-P 7 | U (A-1) | O (A-1) | U (A-1) | O (A) | U (A) | O (A) |
| H-P 8 | O (A-1) | U (A-1) | $\mathrm{O}(\mathrm{A})$ | $\mathrm{O}(\mathbf{A})$ | O (A) | U (A) |
| H-P 9 | U (A-1) | O (A-1) | U (A) | U (A) | U (A) | O (A) |
| H-P-10 | O (A-1) | U (A) | O (A) | O (A) | O (A) | U (A) |

