

Spec Sheets

This section will explain all the details surrounding the SPEC SHEET portion of Spectre Cloud.

- Understanding the terminology, acronyms, definitions
- Spec sheet creation, naming, history
- Cloning a spec sheet
- Types of Spans
- Inputting a thumb oval measurement
- Inputting a finger oval measurement (no inserts)
- Inputting pre-drilled thumb inserts
- Arsenal

- Create the Spec Sheet
- Cloning the Sheet
 - How to clone the sheet

- Type of span
 - How to setting your grip span

- Inputting thumb oval measurement
 - How to input the thumb oval information.

- Inputting Round thumb measurement
 - How to input a round thumb information.

- Inputting a finger oval measurement (no inserts)
 - How to input a finger oval measurement (no inserts)

- Inputting pre-drilled thumb inserts
 - Inputting pre-drilled thumb

- Understanding Terminology , acronym, definition
 - In this section , you will understanding the terminology acronym , definition

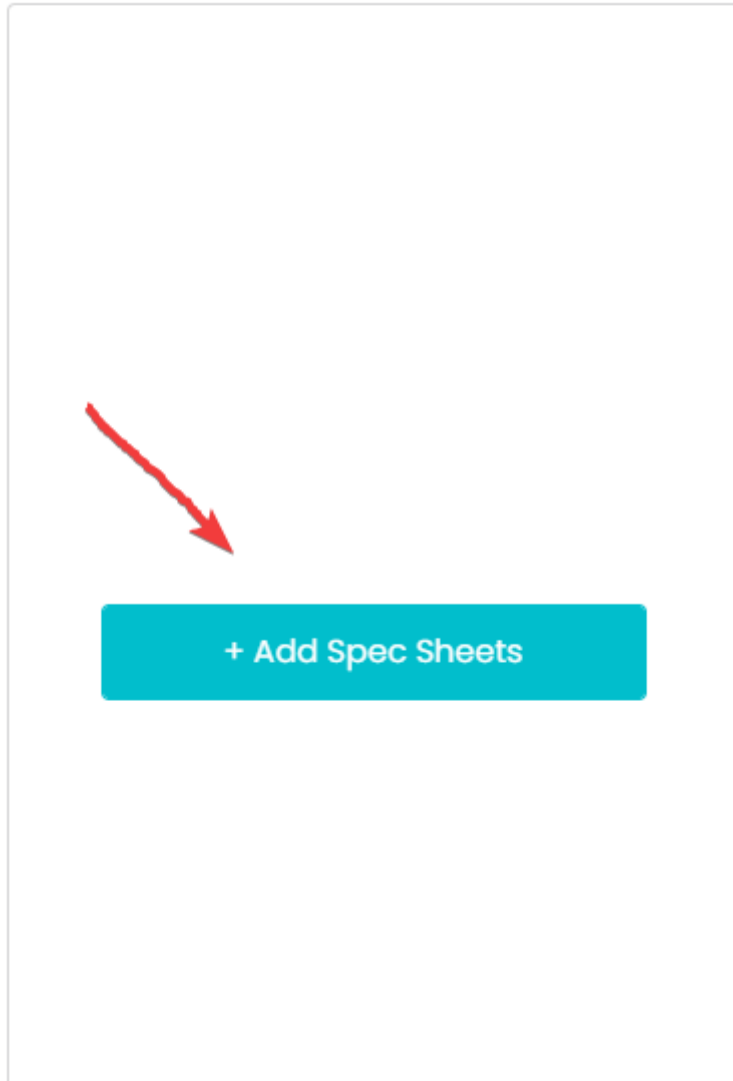
- Arsenal

Create the Spec Sheet

To create the Spec Sheet

1. Click on (Add Spec Sheets)

Specs



No name

CR: 05/26/2025 UP: 05/26/2025 @ 4:47 PM

+

Add

📄

Clone

🖨

Print

Bowler Hand

Right Hander

Grip Type

Finger Tip

Reverse

Left

Forward

No Inserts

Oval Hole Size

-0.375

Reverse

Left

Forward

No Inserts

Oval Hole Size

1/4

Reverse

Left

Forward

No Inserts

Oval Hole Size

+0.500

Full

Bridge

Flexibility

Forward

Thumb Insert Type

Left

O.D. Hole Size

Right

Offset

Reverse

CLT

Normal

↕

B

I

U

A

🔍

🔍

🔍

🔍

🔍

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Round

Oval

Calculate Oval

Hole Type

Starting Bit

Oval Width

Oval Degree

Taper

Oval Cuts

+

Taper

1/2 BACK

1/2 FRONT

1/4 BACK

1/4 FRONT

Arsenal

+ Add Ball

2. When your full span is determined , register on both section Exemple :

Specs



test



CR: 05/26/2025 UP: 05/27/2025 @ 11:52 AM



Add



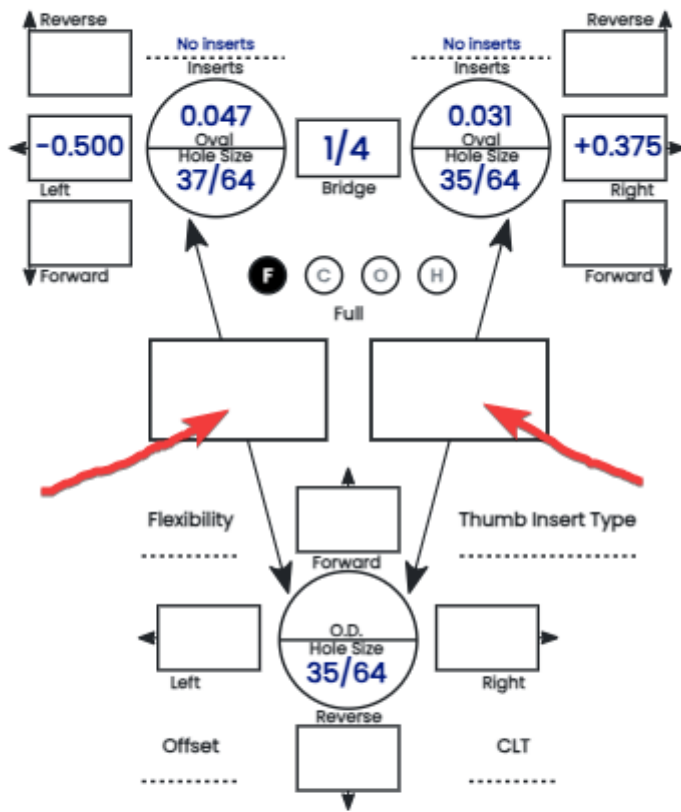
Clone



Print

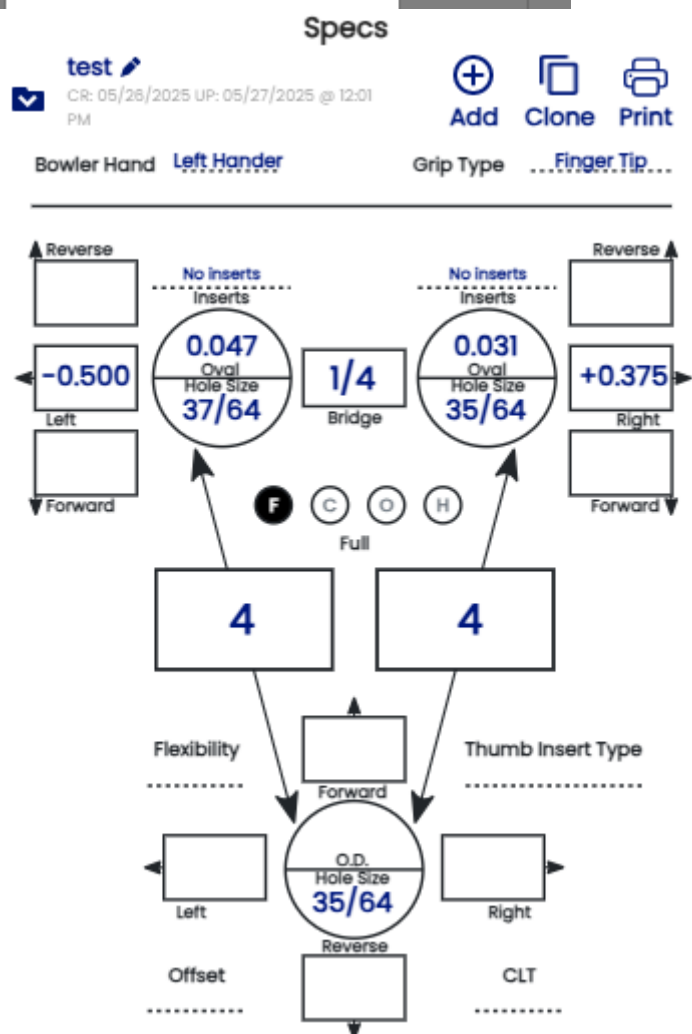
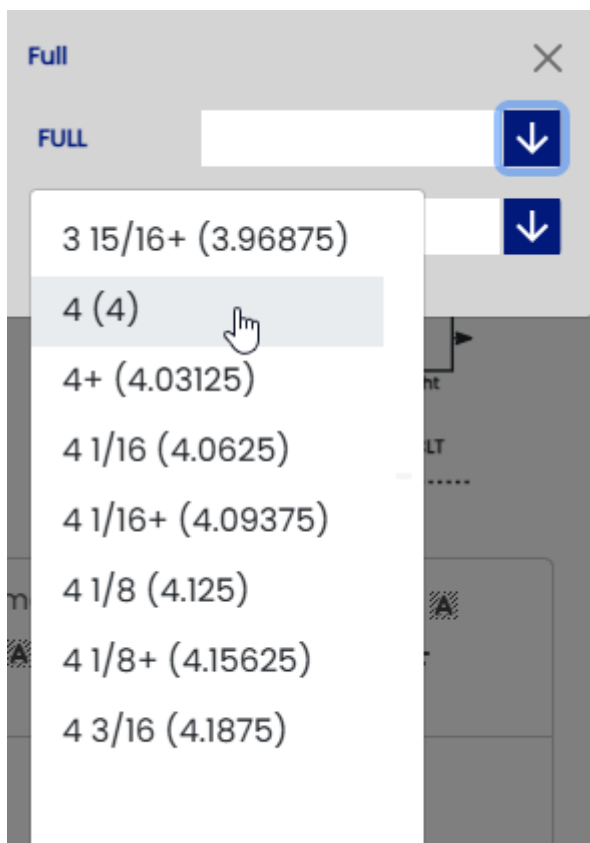
Bowler Hand **Left Hander**

Grip Type **Finger Tip**



3.

Normal **B I U** **A** **A**
A **A** **1** **2** **3** **4** **5** **6** **7** **8** **9** **0**
I_x



4. The flexibility must be indicated in order to determined what pitch of your thumb is suggested . Exemple :

Specs

test



CR: 05/26/2025 UP: 05/27/2025 @ 12:01 PM



Add



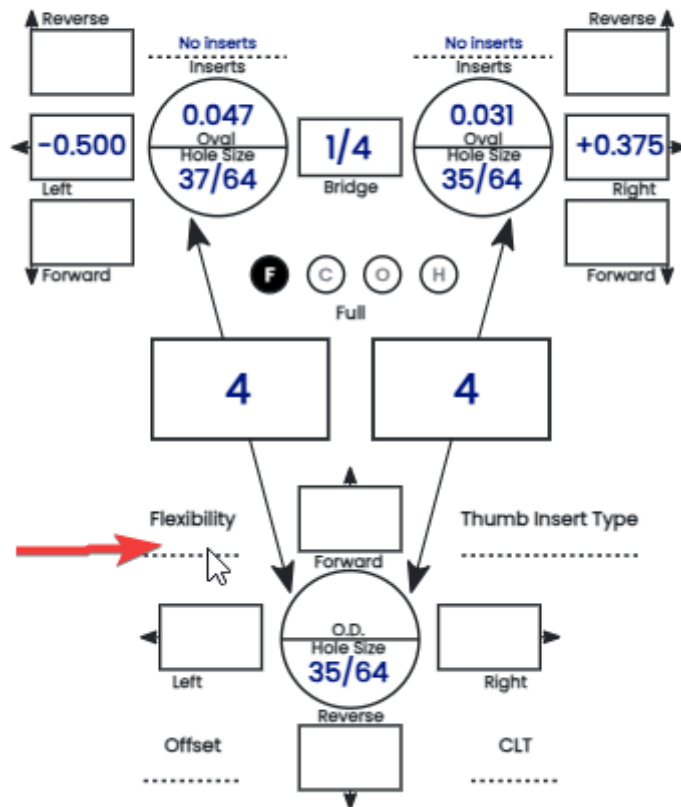
Clone



Print

Bowler Hand **Left Hander**

Grip Type **Finger Tip...**



Flexibility



75

90

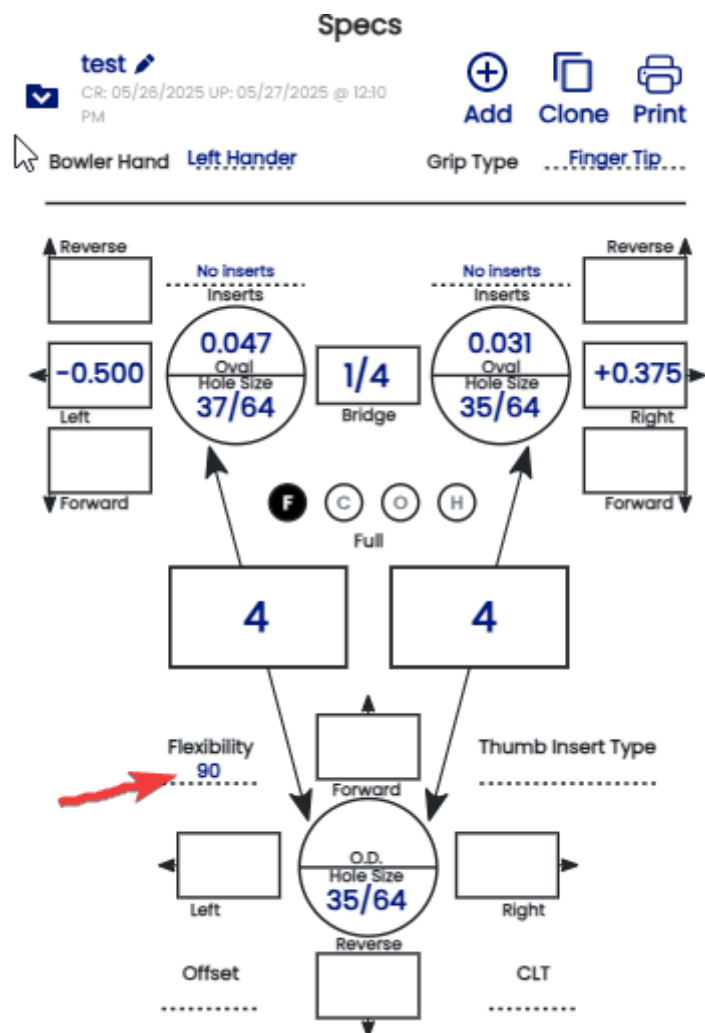


105

120

135

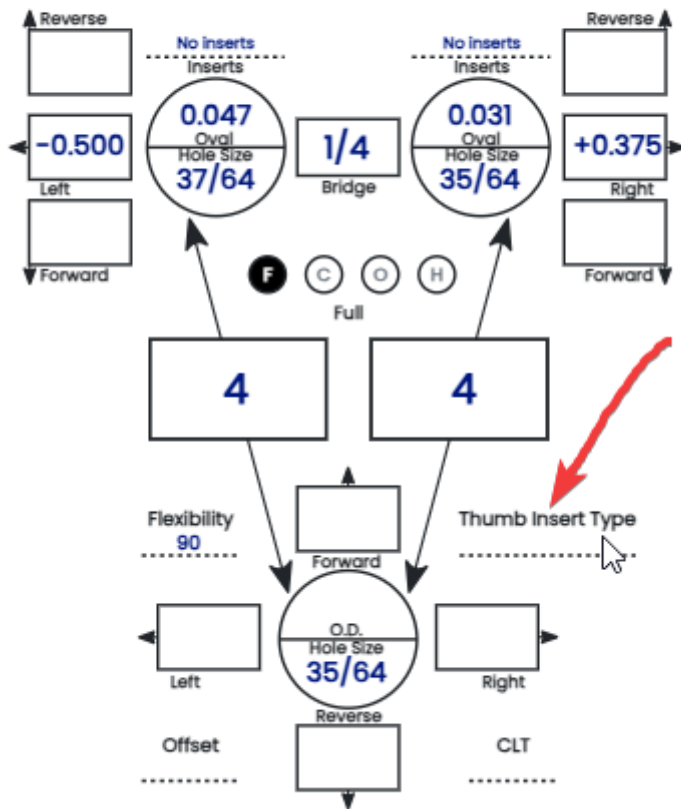
PRO



5. If the bowlers use a slug or switch grip , it must be indicated in the "Thumb Inserts Type"
Example:

Bowler Hand Left Hander

Grip Type ...Finger Tip...



Insert type



Turbo Urethane Thumb Slug

Turbo Xcel Solid

Turbo Xcel Round

Turbo Xcel Oval

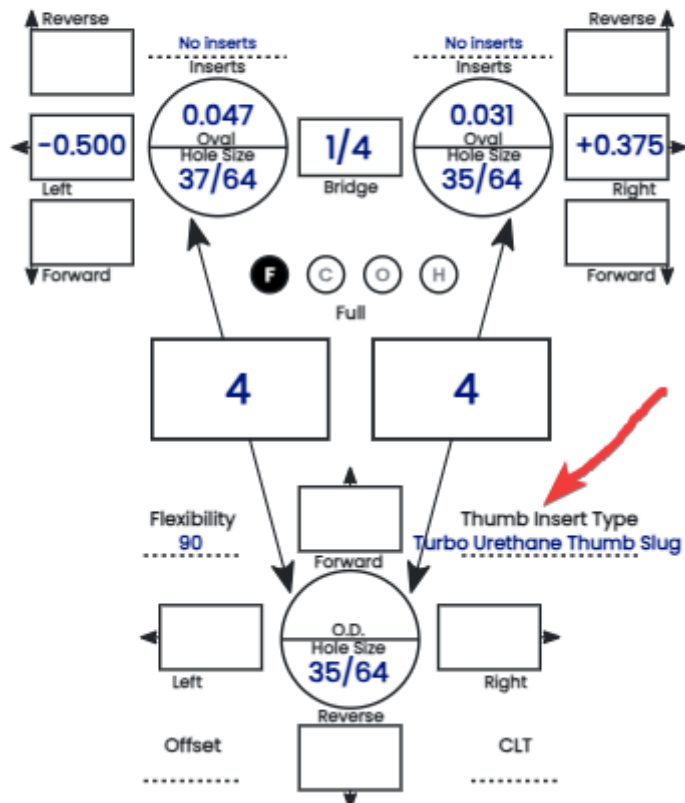
Ultimate Urethane Slug

Ultimate Thumb

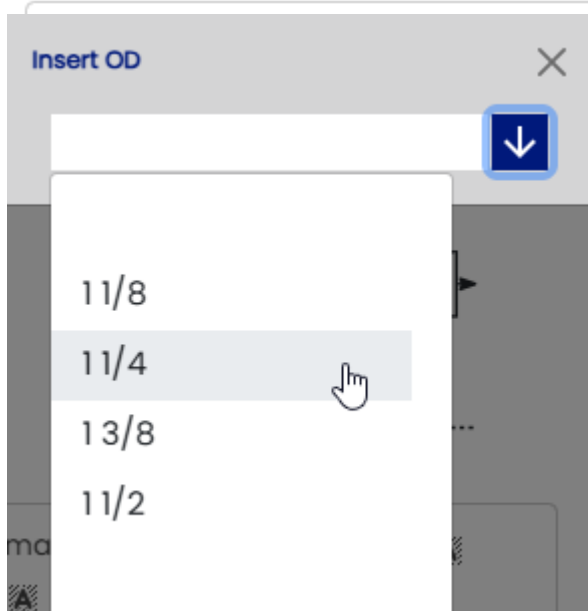
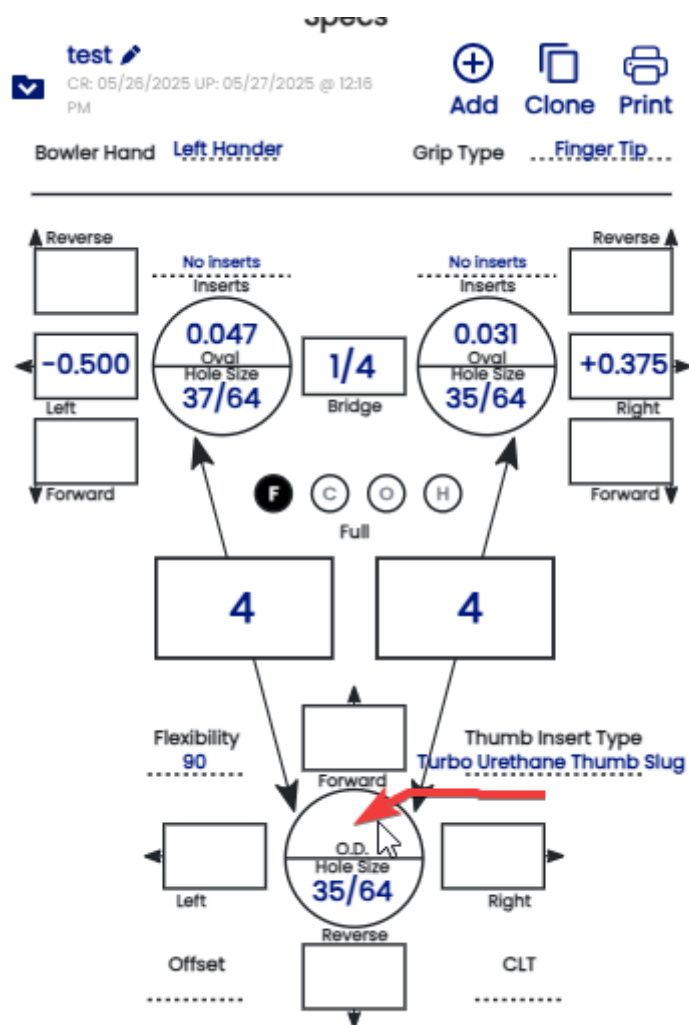
Turbo Switch Grip

2

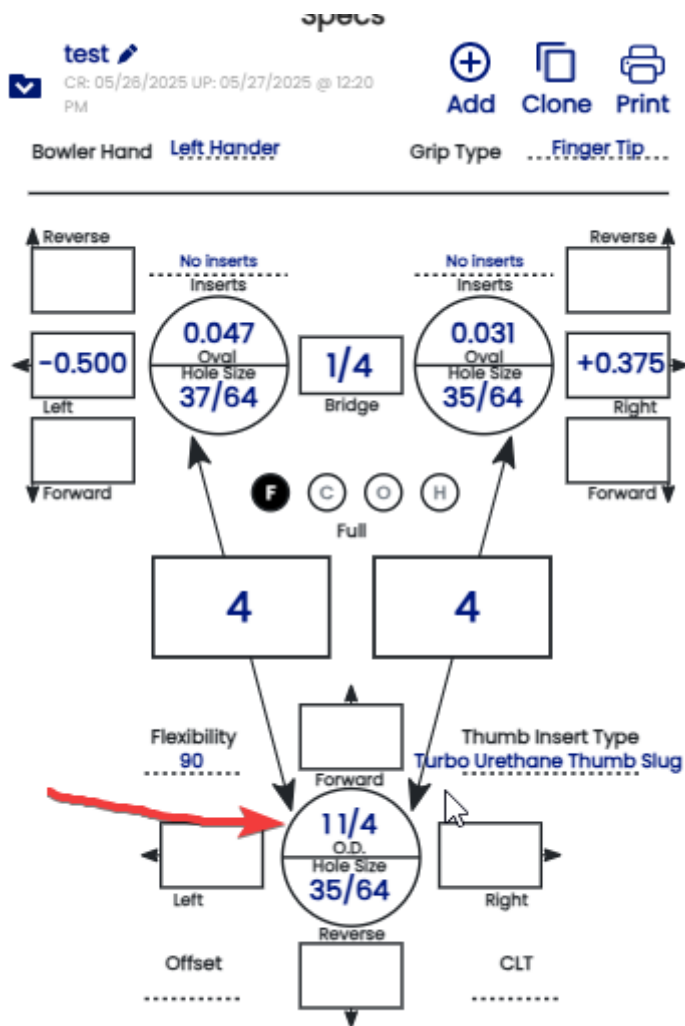
Specs



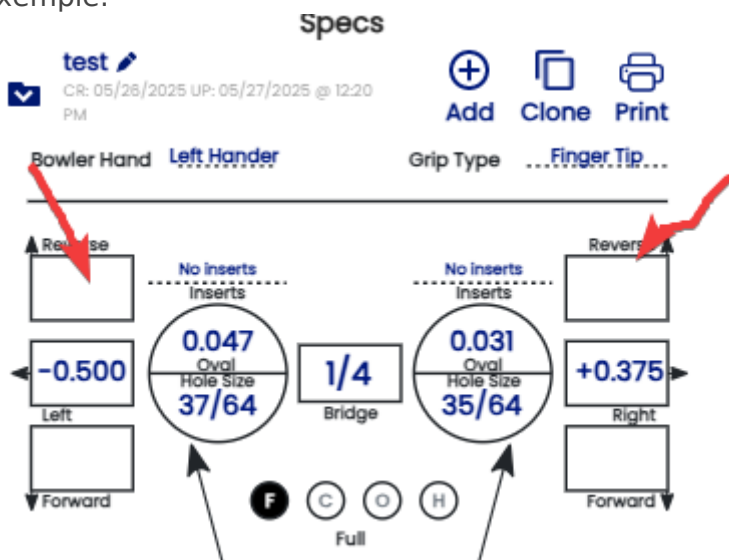
6. Register the size of the slug by clicking on "O.D" section . Exemple :

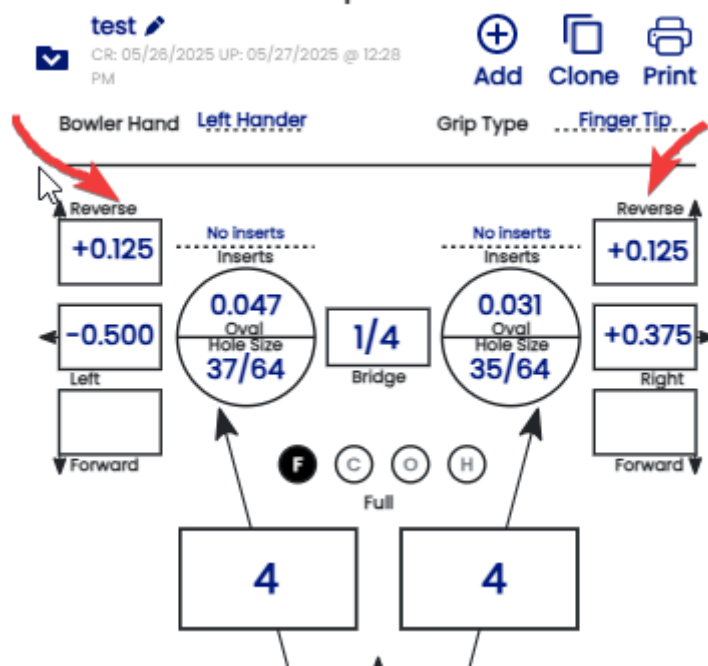
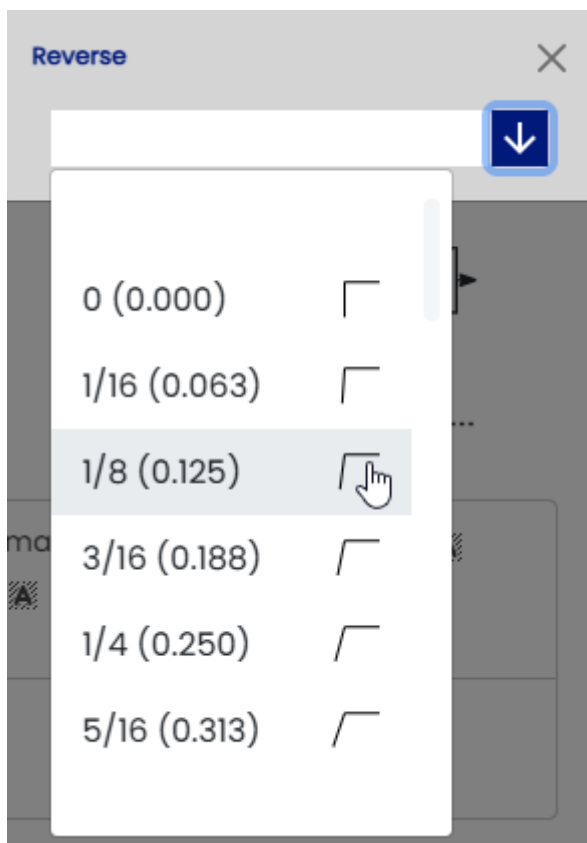


7. the Size of the slug is all set :



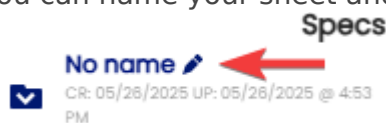
8. Identify the pitch of both finger (finger tip drilling) and wrote on "Reverse" section example:





9. If the drilling is conventional, all pitch thumb and finger are forward in relation of the flexibility of the hand. Example if the pitch of the thumb are 1/4 the fingers are the same !!!!

10. You can name your sheet and follow the history by clicking this section



12. Name or history on the sheet must be written here

Spec Sheet Name

test

✓

EX:

13. Then click the check button

Spec Sheet Name

test

✓

6. Your spec sheet is now set !

test

CR: 05/26/2025 UP: 05/27/2025 @ 8:42 AM

14. All comments or important notes must be indicated on the note section :

WS

specs

test



CR: 05/26/2025 UP: 05/27/2025 @ 12:59 PM



Add



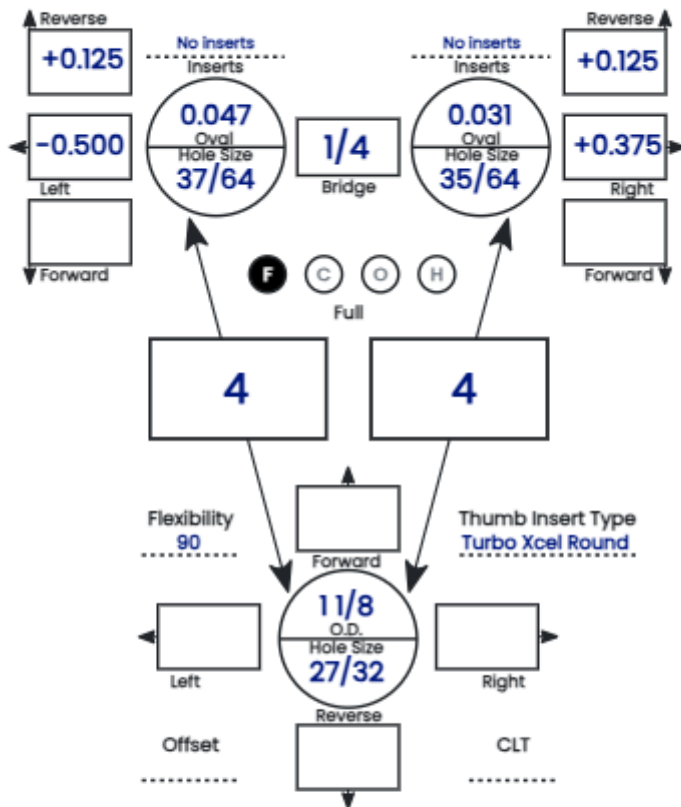
Clone



Print

Bowler Hand **Left Hander**

Grip Type **Finger Tip...**



Normal **B** *I* U **A**

T_x



Attachments



Add

Normal **B** *I* U **A**

T_x

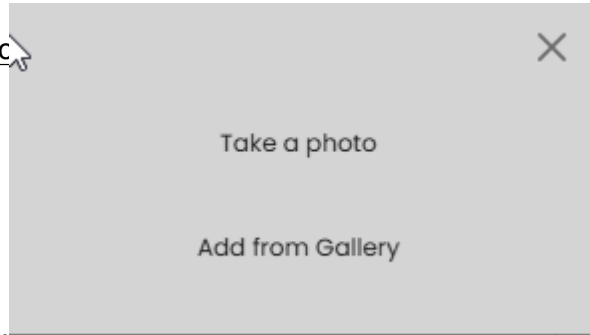
make hole wide

15. You can add a picture as reference in the section "Attachments" below the note section by clicking "ADD"



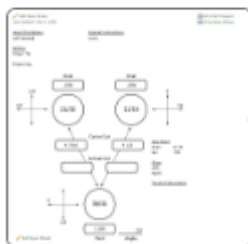
16.

You can take a photo via your Ipad camera



every then the

photo will be uploaded on the files .




17.

If the bowler are two-handed then select "Two-Handed" in the bowler info then "Add Spec Sheet".

18.

Bowler



FIRST NAME

LAST NAME

EMAIL

PHONE

LEFT HANDED	RIGHT HANDED
TRADITIONAL	TWO-HANDED
BACKUP	HELICOPTER SPINNER
FULL ROLLER	THUMBLESS

Specs

No name

CR: 05/27/2025 UP: 05/27/2025 @ 2:42 PM

Add

Clone

Print

Bowler Hand

Right Hander

Grip Type

Finger Tip

Reverse

Left

Forward

No inserts

Inserts

Oval Hole Size

Bridge

1/4

No inserts

Inserts

Oval Hole Size

Reverse

Right

Forward

-0.375

+0.500

Normal

B

I

U

A

A

A

I_x

Attachments

Add

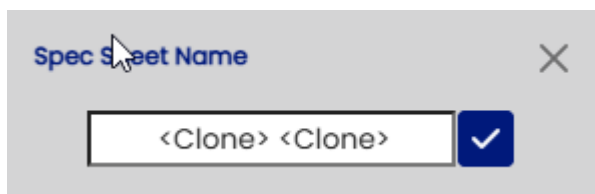
Cloning the Sheet

How to cloning the sheet

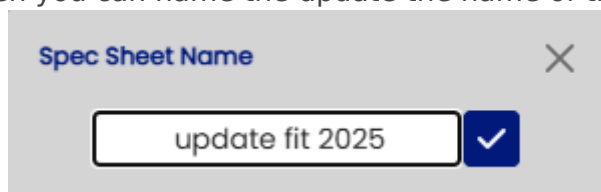
How to clone the sheet

Clone the sheet is the option that keep your old sheet saved and you can proceed to make any update on the hand of the bowlers.

1. To clone the sheet , click on clone button

A dialog box titled 'Spec Sheet Name' with a close button (X) in the top right. It contains a text input field with the placeholder text '<Clone> <Clone>' and a blue checkmark button on the right.

Then you can name the update the name of the sheet

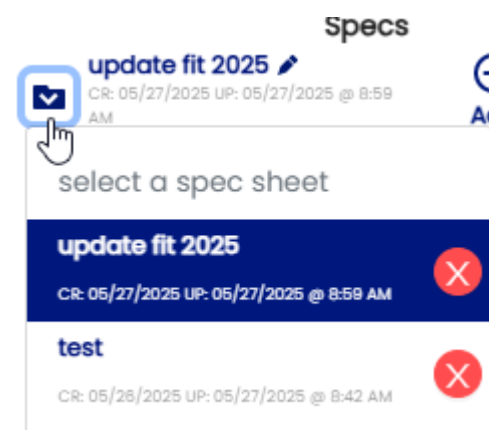
A dialog box titled 'Spec Sheet Name' with a close button (X) in the top right. It contains a text input field with the text 'update fit 2025' and a blue checkmark button on the right.

ex:

Then click the check button

A dialog box titled 'Spec Sheet Name' with a close button (X) in the top right. It contains a text input field with the text 'update fit 2025' and a blue checkmark button on the right. A red arrow points from the top left towards the checkmark button.

You profite have now 2 sheets recorded .

A section titled 'Specs' showing a list of sheets. The first sheet is 'update fit 2025' with a blue checkmark icon and a pencil icon, and a status bar showing 'CR: 05/27/2025 UP: 05/27/2025 @ 8:59 AM'. The second sheet is 'test' with a status bar showing 'CR: 05/26/2025 UP: 05/27/2025 @ 8:42 AM'. Both sheets have a red 'X' icon in the top right corner. A hand cursor is pointing at the blue checkmark icon of the first sheet. Below the list is a button labeled 'select a spec sheet'.

You can clone number of sheet as you want by repeat the step above .

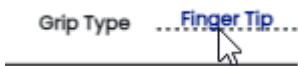
Type of span

How to identify the type of span .

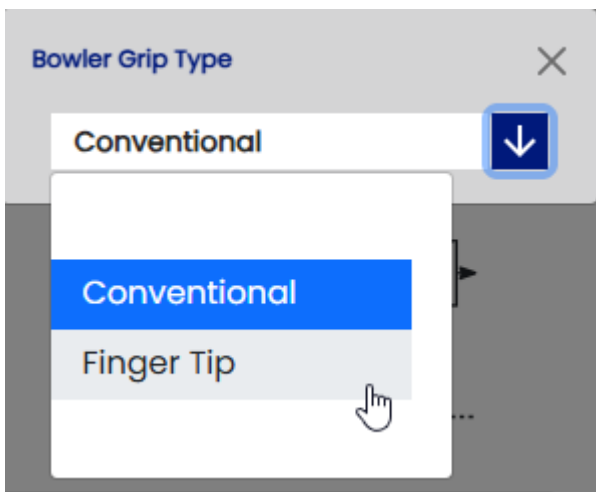
Type of span

How to setting your grip span

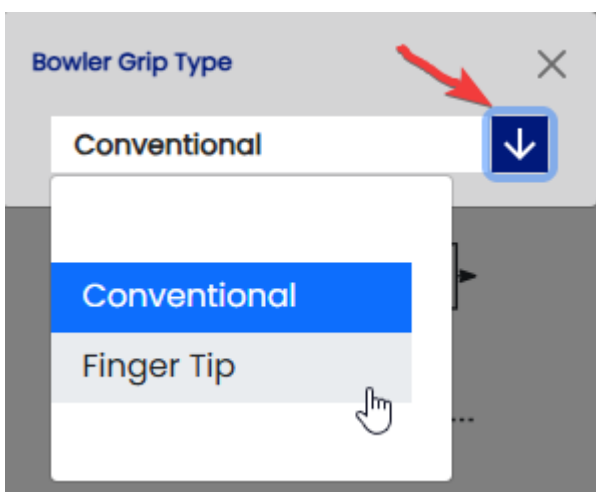
1. You can notice the type of span by click the button (grip type)



2. Then you can select the type of grip



When the selection is made click the arrow button and the sheet is set



Specs



update fit 2025

CR: 05/27/2025 UP: 05/27/2025 @ 9:16 AM



Add



Clone



Print

Bowler Hand **Left Hander**

Grip Type **Conventional**

Round

Oval



Calculate Oval

Hole Type

Starting Bit

Oval Width

Oval Degree

Taper

Oval Cuts

+

Taper

1/2

BACK

1/2

FRONT

1/4

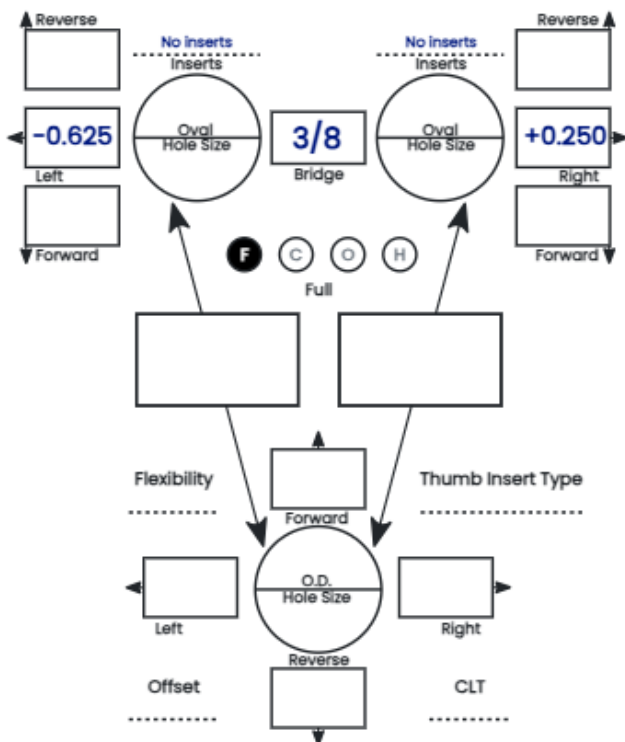
BACK

1/4

FRONT

Arsenal

+ Add Ball



Normal



B

I

U

A

A

A

A

A

A

A

A

A

A

A

A



Attachments



Add

Inputting thumb oval measurement

This section explaining how to input to oval measurement on the sheet.

How to input the thumb oval information.

me

Round **Oval** Calculate Oval

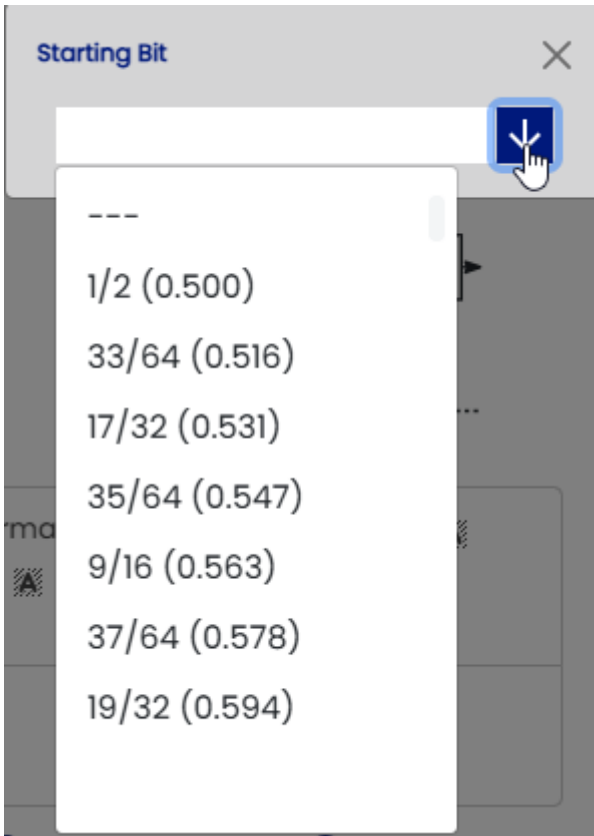
Hole Type

Starting Bit Oval Width Oval Degree Taper

Oval Cuts

+ Taper 1/2 BACK 1/2 FRONT 1/4 BACK 1/4 FRONT

The starting bit is the the drill bit you use to make the oval thumb. When you size is selected you wrote on the Starting bit section



WI

Round

Oval

Calculate Oval

Hole Type

Starting Bit

33/64

Oval Width

Oval Degree

Taper

Oval Cuts

+

Taper

1/2 BACK

1/2 FRONT

1/4 BACK

1/4 FRONT

bit section.

ex

The next step is to find to oval width of the thumbs . When the oval width is found , the click the oval width section .

Round

Oval

Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width

Oval Degree

Taper

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

Processing is the same as the starting bit section . When the oval width is selected then wrote in the oval width section

EX:

Round

Oval

Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree

Taper

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

The oval degree is the next step . When your oval degree is found, then you click on Oval Degree section

EX:

Round

Oval

Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree

Taper

Oval Cuts

+

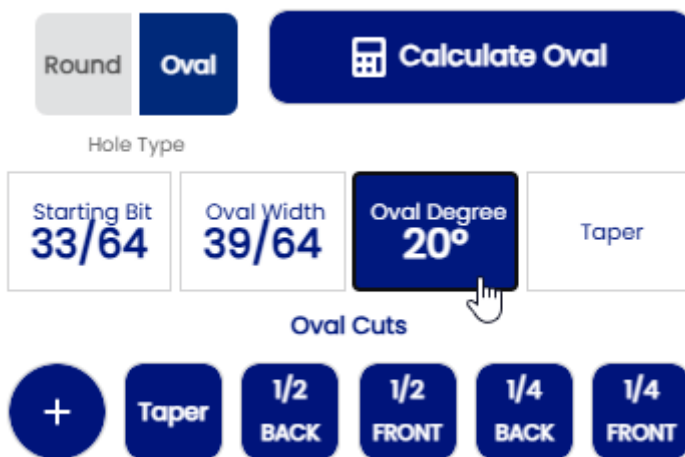
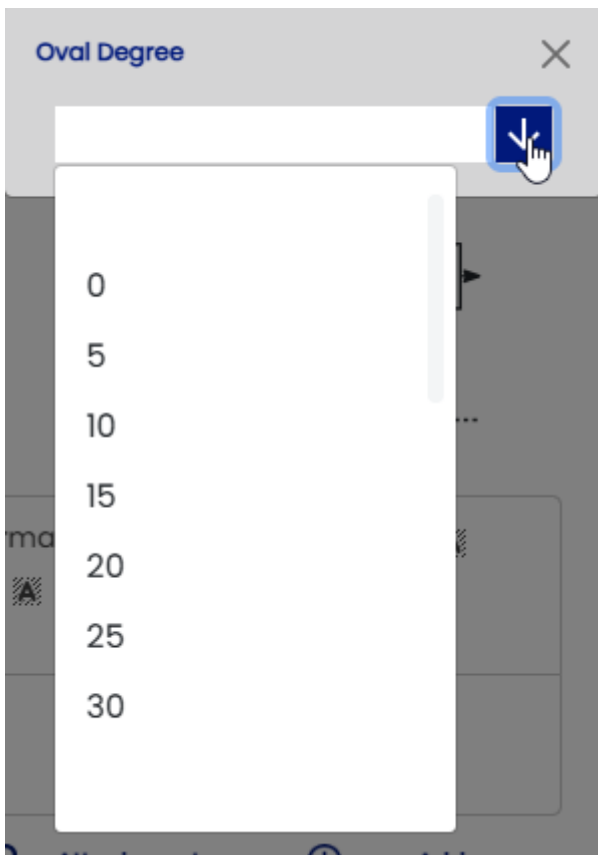
Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT



The Taper is the final step of the thumb information . The taper information must be indicated on Taper section

EX:

Round

Oval

 Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree
20°

Taper

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

Taper Size



37/64 (0.578)

19/32 (0.594)

39/64 (0.609)

5/8 (0.625)

41/64 (0.641)

21/32 (0.656)

43/64 (0.672)

11/16 (0.688)

Round

Oval

 Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree
20°

Taper
5/8

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

When all information on your thumb is completed. Click on "Calculate Oval" in order to find all your cut necessary to produce you thumb. That will give automatically your cut to do !

EX:

Round

Oval

Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree
20°

Taper
5/8

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

Round

Oval

Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree
20°

Taper
5/8

Oval Cuts

+

Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT

1

V: 0.016
H: 0.044

2

V: 0.005
H: 0.015

3

V: -0.005
H: -0.015

4

V: -0.016
H: -0.044

Click on "Taper button to add the cut necessary to do the taper if taper is indicated . The cut will be mentionned 1/2 cut

EX:

Round

Oval

Calculate Oval

Hole Type

Starting Bit 33/64	Oval Width 39/64	Oval Degree 20°	Taper 5/8
------------------------------	----------------------------	---------------------------	---------------------

Oval Cuts

+

Taper

1/2 BACK

1/2 FRONT

1/4 BACK

1/4 FRONT

1 V: 0.016 H: 0.044	2 V: 0.005 H: 0.015	3 V: -0.005 H: -0.015
4 V: -0.016 H: -0.044	1/2 V: 0.000 H: 0.000	

Some bowlers may have some bumps above their thumb . If they have , click on 1/2 back , 1/2 front , 1/4 back , 1/4 front section to add some cut necessary in order to produce the thumb properly .All those section are optional !!!

EX:

Round

Oval

Calculate Oval

Hole Type

Starting Bit 33/64	Oval Width 39/64	Oval Degree 20°	Taper 5/8
------------------------------	----------------------------	---------------------------	---------------------

Oval Cuts

+

Taper

1/2 BACK

1/2 FRONT

1/4 BACK

1/4 FRONT

1 V: 0.016 H: 0.044	2 V: 0.005 H: 0.015	3 V: -0.005 H: -0.015
4 V: -0.016 H: -0.044	1/2 V: 0.000 H: 0.000	

Round

Oval



Calculate Oval

Hole Type

Starting Bit
33/64

Oval Width
39/64

Oval Degree
20°

Taper
5/8

Oval Cuts

+

Taper

1/2

BACK

1/2

FRONT

1/4

BACK

1/4

FRONT

1

V: 0.016
H: 0.044

2

V: 0.005
H: 0.015

3

V: -0.005
H: -0.015

4

V: -0.016
H: -0.044

1/2

V: 0.000
H: 0.000

1/2

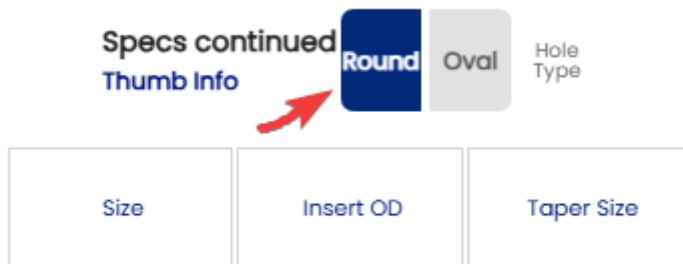
Back V: -0.016
H: 0.000

Inputting Round thumb measurement

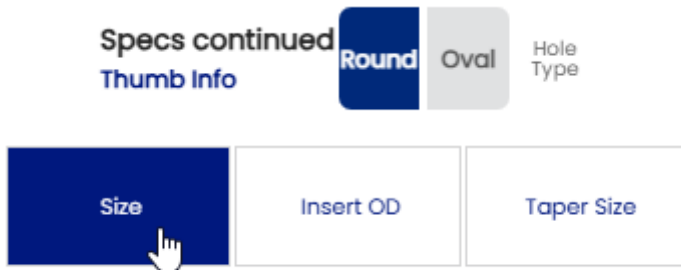
How to inputting a round thumb information

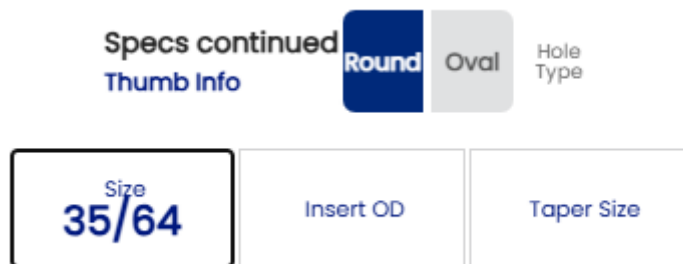
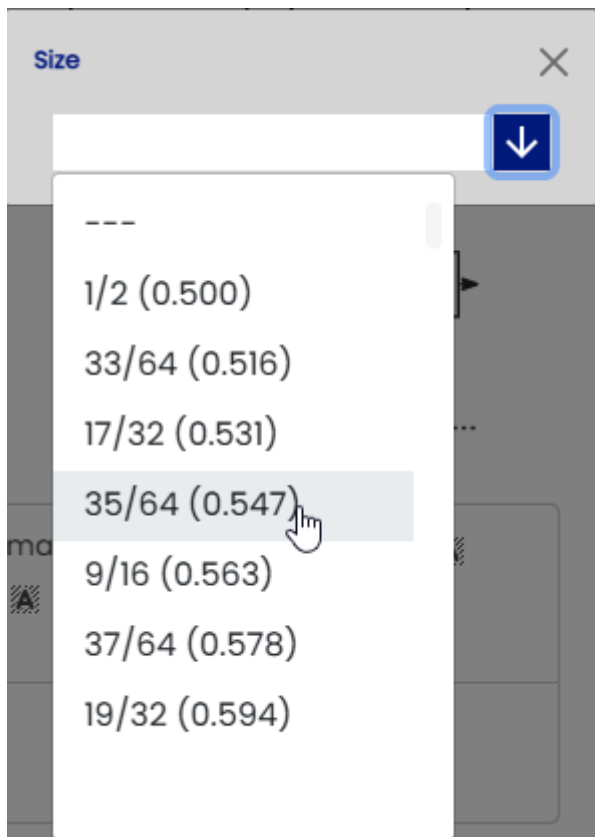
How to input a round thumb information.

1. To enter the Round thumb information, click " Round" Button on thumb info section located on Spec Sheet .
2. EX:



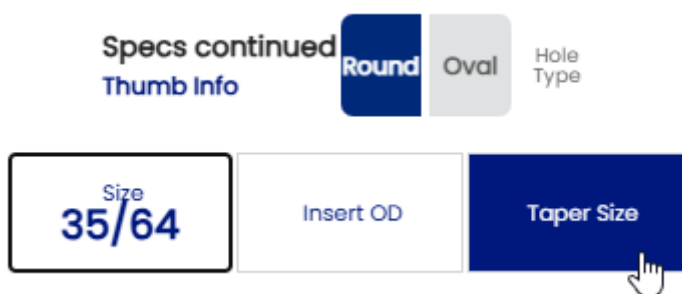
3. When the size of the thumb is determined , click on "Size" button and wrote the size selected.
- EX:





The Taper is the next step to complete to round thumb. When the Taper is determined , click on "Taper Size" and wrote the size selected . The process is the same as the "Size"

4. EX:



Taper Size

↓

1/2 (0.500)

33/64 (0.516)

17/32 (0.531)

35/64 (0.547)

9/16 (0.563)

37/64 (0.578)

19/32 (0.594)

Specs continued

Thumb Info

Round

Oval

Hole Type

Size
35/64

Insert OD

Taper Size
37/64

5. Your round thumb is set to drill .

Inputting a finger oval measurement (no inserts)


How to input a finger oval measurement (no inserts)




Inputting a finger oval measurement (no inserts)

How to input a finger oval measurement (no inserts)

1. Find the right drill bit for both fingers at the measurement
2. When it's found , register on " Hole Size" located on the Spec sheet
3. EX:

Specs

test  CR: 05/26/2025 UP: 05/27/2025 @ 11:15 AM

  
Add Clone Print

Bowler Hand **Left Hander** Grip Type **Finger Tip...**

Reverse ↑
No Inserts
Inserts
← **-0.500** ←
Oval Hole Size
1/4
Oval Hole Size
→ **+0.375** →
Right
Forward ↓

Full
F C O H

Flexibility
Forward
Thumb Insert Type

Left
O.D. Hole Size
35/64
Right
Reverse
Offset
CLT

Insert size



1/2 (0.500)

33/64 (0.516)

17/32 (0.531)

35/64 (0.547)

9/16 (0.563)

37/64 (0.578)

19/32 (0.594)

Insert size



37/64 (0.578)

17/32 (0.531)

35/64 (0.547)

9/16 (0.563)

37/64 (0.578)


19/32 (0.594)

39/64 (0.609)

5/8 (0.625)

41/64 (0.641)

specs

test  CR: 05/26/2025 UP: 05/27/2025 @ 11:30 AM

Add Clone Print

Bowler Hand **Left Hander** Grip Type **Finger Tip**

Reverse

-0.500

Left

Forward

No inserts

Inserts

Reverse

1/4

Bridge

Forward

No inserts

Inserts

Reverse

+0.375

Right

Forward

Oval Hole Size

37/64

Oval Hole Size


35/64

F **C** **O** **H**

Full

4. Next step is to find the oval width . When the size is selected , then calculate the difference in millimeter between your finger drill bit and the oval width
5. Exemple : ring finger you found size 39/64 (0.609) - 35/64 (0.578) = 0.031
6. Wrote the difference in the "Oval" section located on the spec sheet then press check button to confirm .
7. EX:

specs

test  CR: 05/26/2025 UP: 05/27/2025 @ 11:30 AM

Add Clone Print

Bowler Hand **Left Hander** Grip Type **Finger Tip**

Reverse

-0.500

Left

Forward

No inserts

Inserts

Reverse

1/4

Bridge

Forward

No inserts

Inserts

Reverse

+0.375

Right

Forward

Oval Hole Size

37/64

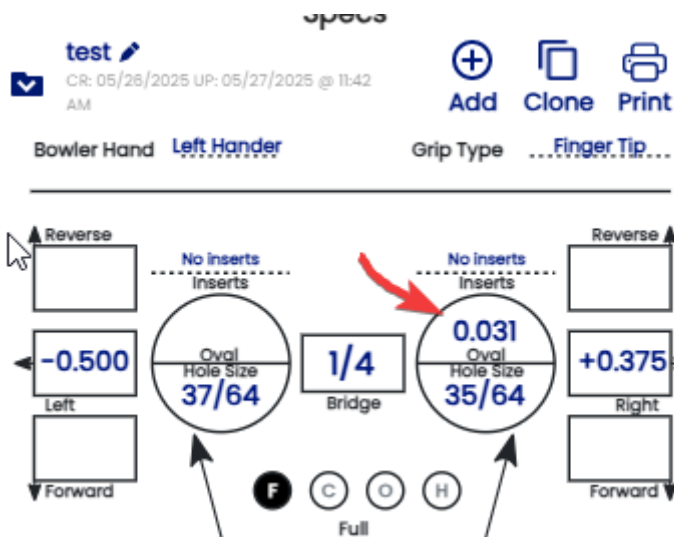
Oval Hole Size

35/64

F **C** **O** **H**

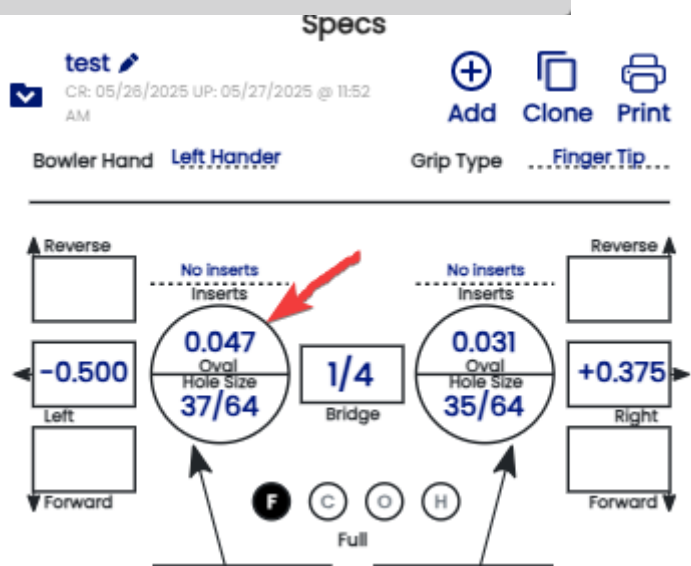
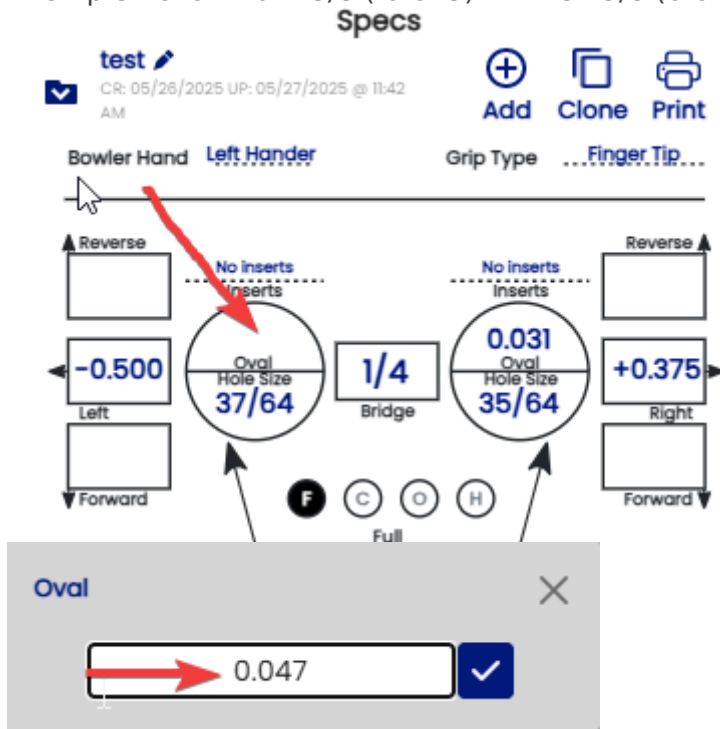
Full

Oval



For the Middle finger the process is exactly the same as the ring finger by determined the oval width and making the difference from the drill bit .

Exemple : oval width 5/8 (0.625) then $5/8 (0.625) - 37/64 (0.578) = 0.047$



Inputting pre-drilled thumb inserts

How to input pre-drilled thumb

Inputting pre-drilled thumb

1. for the round thumb, find the right size of the thumb at the measurement.
2. When the size is selected register on "Size" section exemple

Specs continued
Thumb Info

Round Oval Hole Type

Size Insert OD Taper Size

Size

3/4 (0.750)
49/64 (0.766)
25/32 (0.781)
51/64 (0.797)
13/16 (0.813)
53/64 (0.828)
27/32 (0.844)
55/64 (0.859)

Specs continued
Thumb Info

Round Oval Hole Type

Size 27/32 Insert OD Taper Size

3. The size of the pre-drilled thumb are 1 1/8 , then register on" Inserts OD" in order to drill the initial hole with the 1 1/8 drill bit ex:

Specs continued
Thumb Info

Round Oval Hole Type

Size **27/32** Insert OD Taper Size

Insert OD

↓

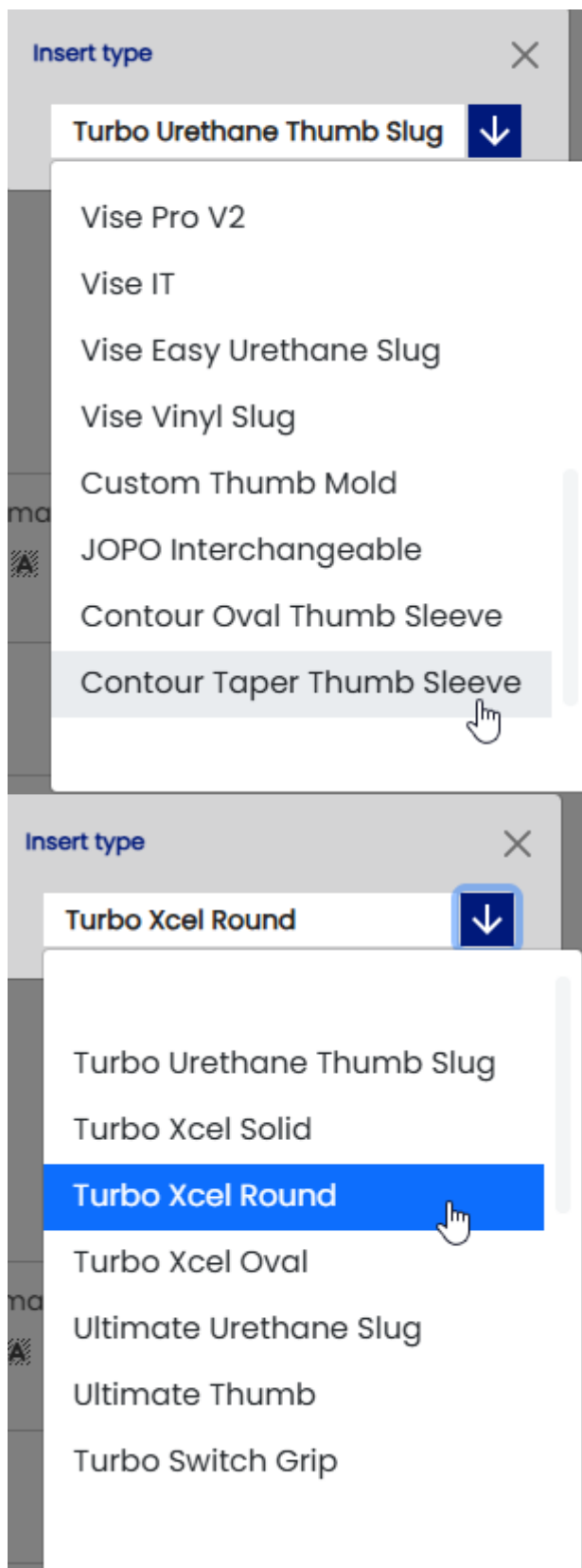
1 1/8
1 1/4
1 3/8
1 1/2

Specs continued
Thumb Info

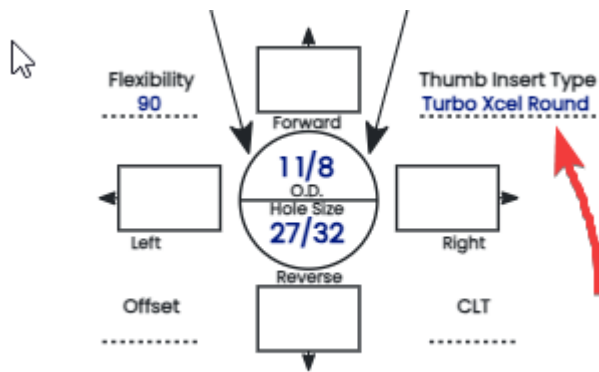
Round Oval Hole Type

Size **27/32** Insert OD **1 1/8** Taper Size

4. Mention the type of pre-drilled thumb you use on " Thumb Insert Type" the type of sleeve are
1. Turbo Xcel Round
 2. Contour Taper Thumb Sleeve
 3. Exemple:



4. Select one you have in stock then press arrow to confirm . Exemple



5. You are all set to drill the thumb !!!!
6. The process is the same with the pre-drilled oval sleeve thumb as the round thumb.
7. The sleeve are : - "Turbo Xcel Oval" , "Contour Oval Thumb Sleeve"

Understanding Terminology , acronym, definition

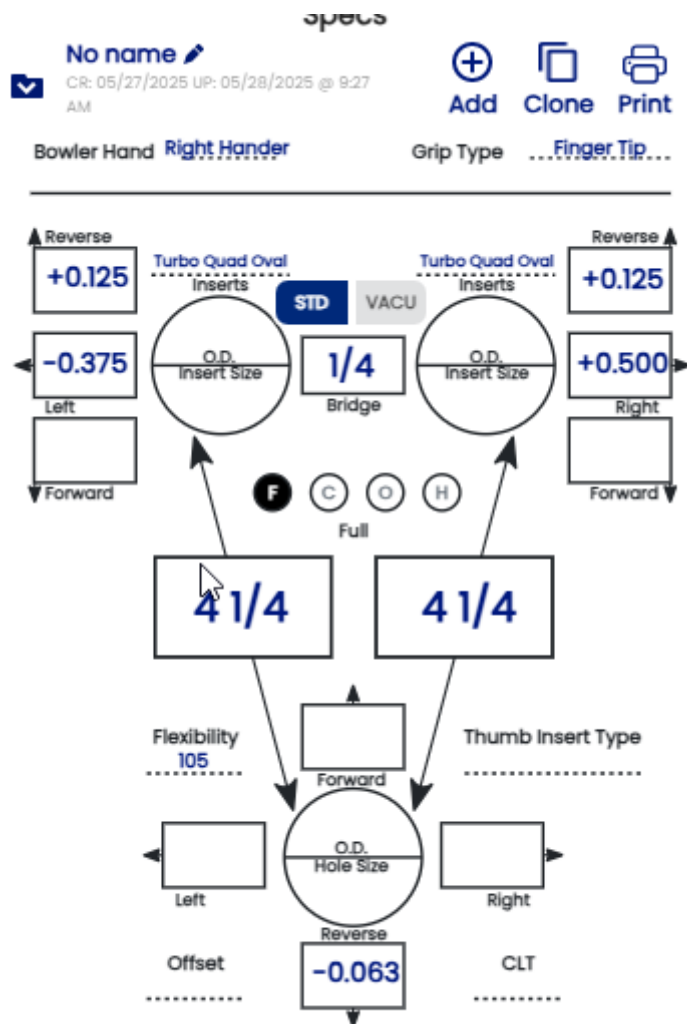
Understanding Terminology , acronym definition

In this section , you will understanding the terminology acronym , definition

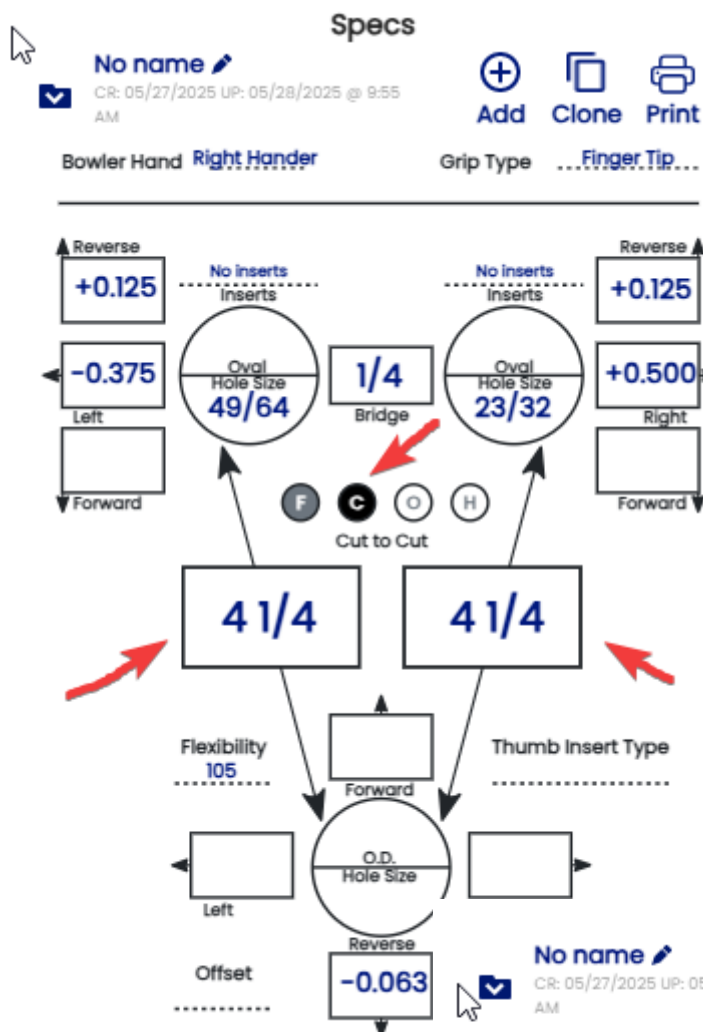
1. On the spec sheet you will see 4 options :
2. "F" for Full span
3. "C" for Cut to Cut
4. "O" for Outer to cut
5. "H" for Hole to Hole
6. see the picture



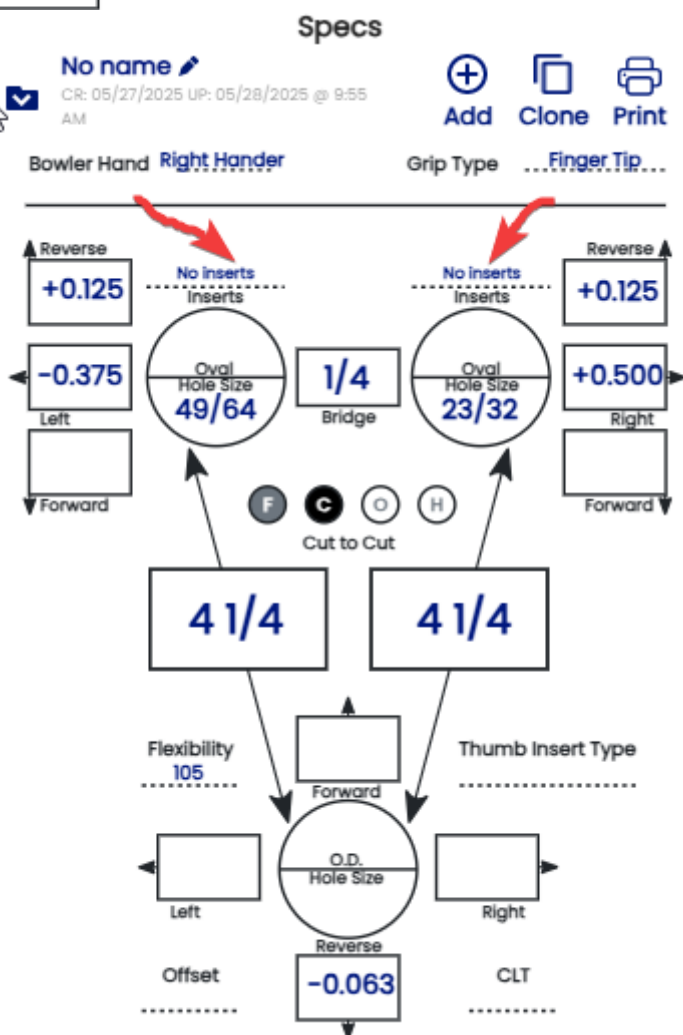
- On conventional drilling the "O" and "C" can be use if you select to put a round sleeve into the thumb hole.
- Based on finger tip drilling we determined the "F" full span 1st see exemple on the picture:



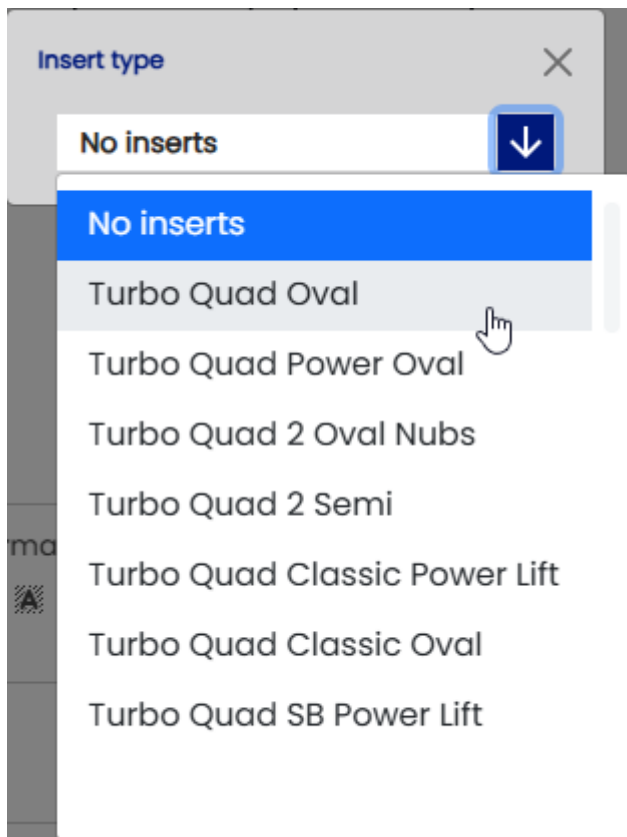
9. The "C" Cut to cut is the measurement from the edge of the thumb to the edge of hole the fingers. By definition is the full span distance - the thickness of the inserts (if he use inserts on finger tip drilling) . If not use inserts then the full span is the same as the cut to cut span .let see the exemple of picture
10. No Inserts exemple :



11. If he use inserts you can select








section see the picture below :



When the selection of the type of inserts is made that will give automatically the size of the bit (O.D) see on the "O.D" section and receive automatically calculated the "C" (Cut to Cut) span .EX:

Specs

No name   CR: 05/27/2025 UP: 05/28/2025 @ 10:01 AM

 **Add**
 **Clone**
 **Print**

Bowler Hand **Right Hander** Grip Type **Finger Tip**

Reverse ↑ **+0.125**

← **-0.375** Left

↓ Forward

31/32
O.D.
Insert Size
49/64

STD **VACU**

1/4
Bridge

F **C** **O** **H**
Cut to Cut

4 1/16+

Flexibility **105**

Left

Offset

Reverse ↑ **+0.125**

→ **+0.500** Right

↓ Forward

31/32
O.D.
Insert Size
23/32

4 1/16+

Thumb Insert Type

Right

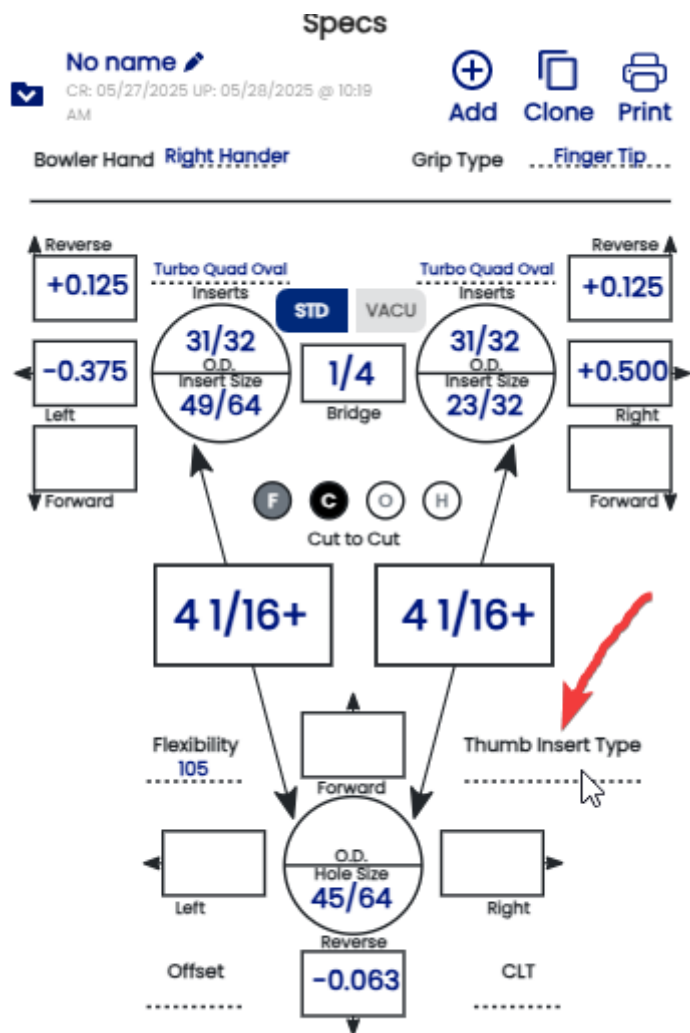
CLT

Forward

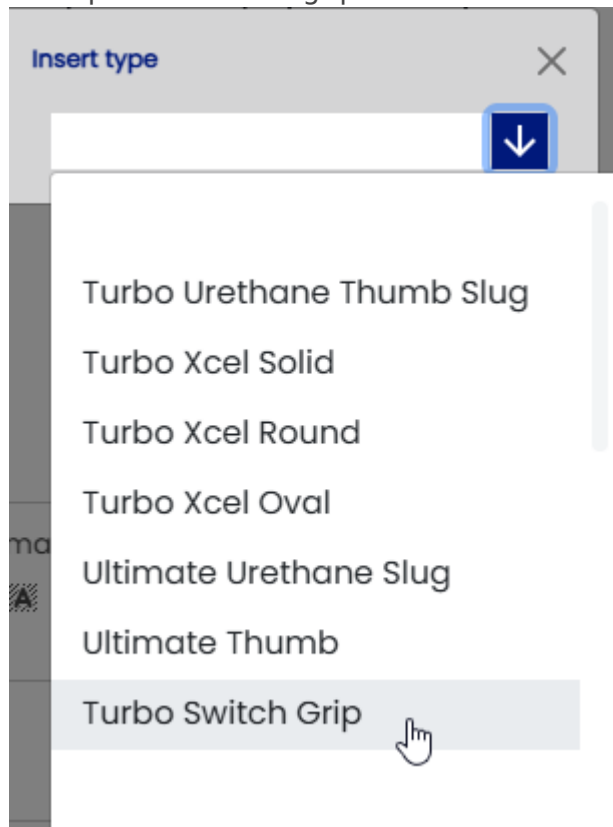
**O.D.
Hole Size**

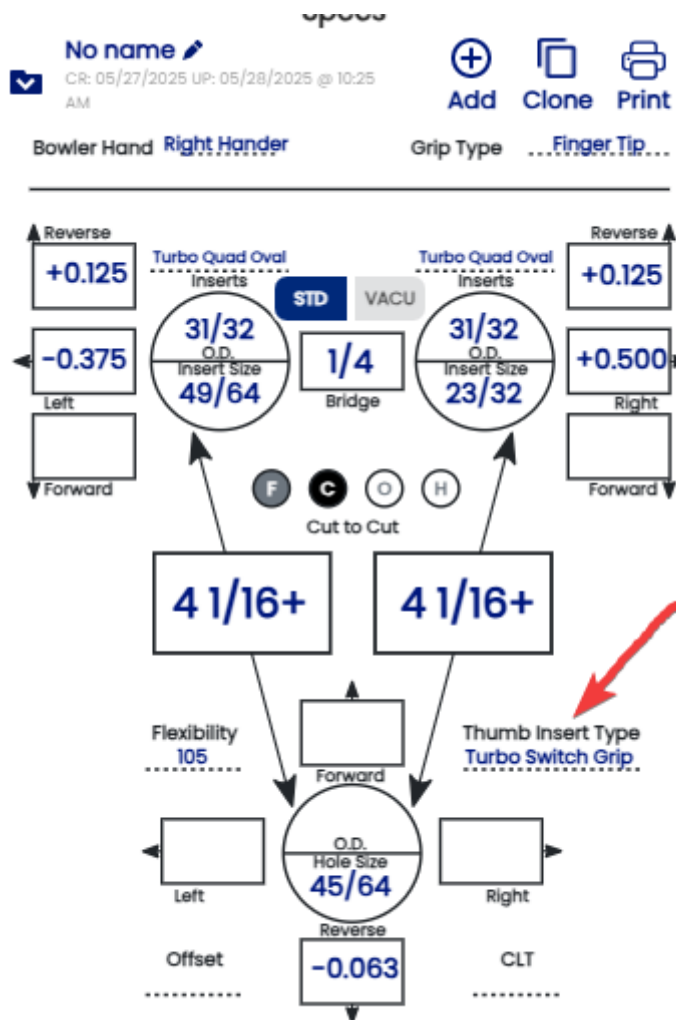
Reverse ↓ **-0.063**

12. The "O" Outer to Cut section is measured manually when the ball is completely drilled . This is for bowler use thumb switch grip. The Measurement should be shorter than your "C" (Cut to Cut) Span .
13. Select the type of swithch grip use on "Thumb Insert Type" section



14. The option of switch grip are : Turbo Switch Grip , JOPO Interchangeable or Vise-IT . EX:





15. JOPO Interchangeable and Turbo Switch Grip allow you to use only 1 1/2 drill bit to punch the hole see the picture below . You will find on "O.D" section of the thumb .

No name

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Add



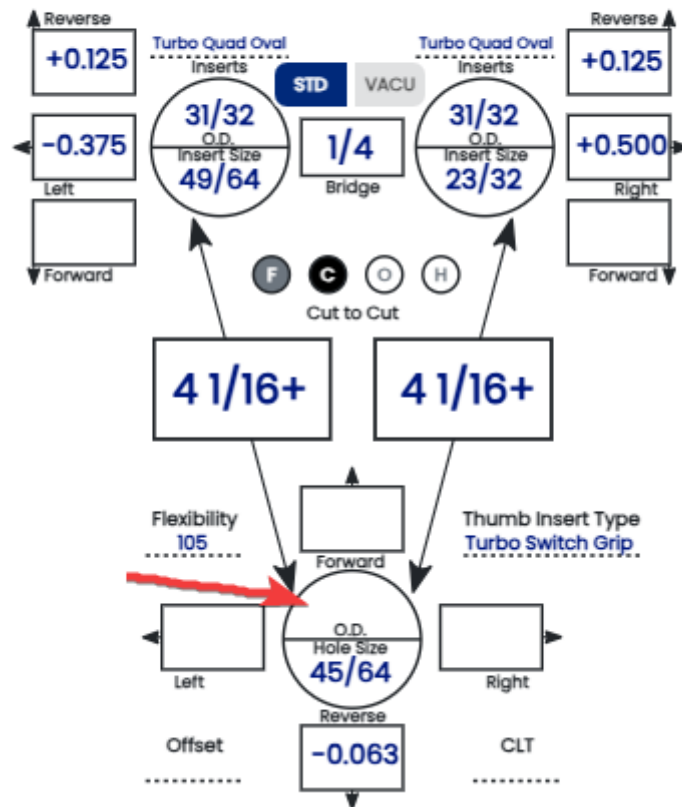
Clone



Print

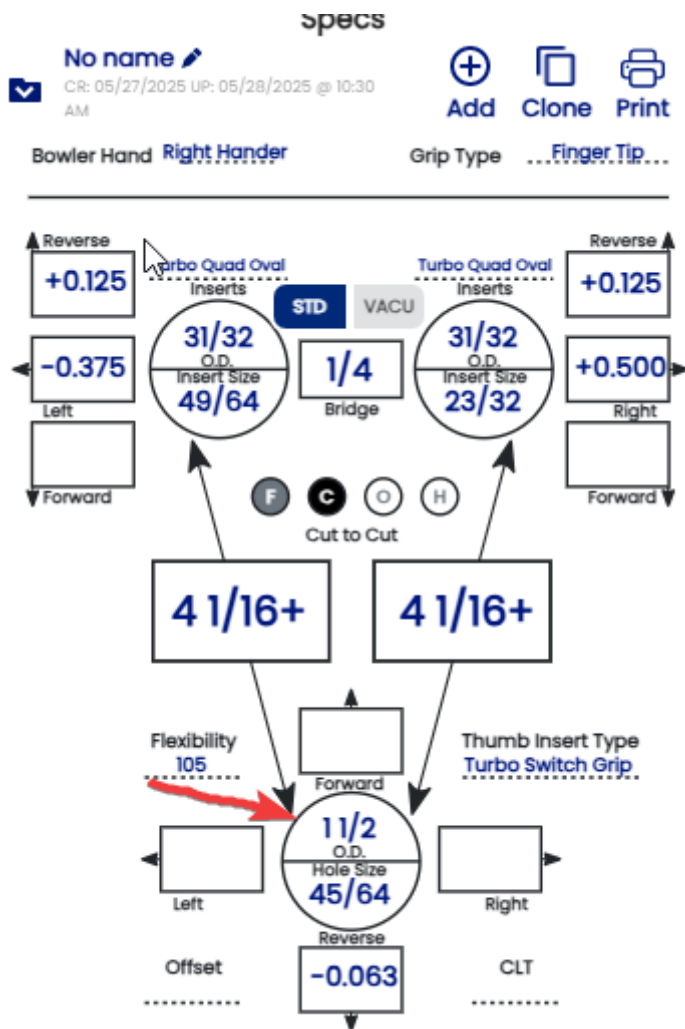
Bowler Hand **Right Hander**

Grip Type **Finger Tip**

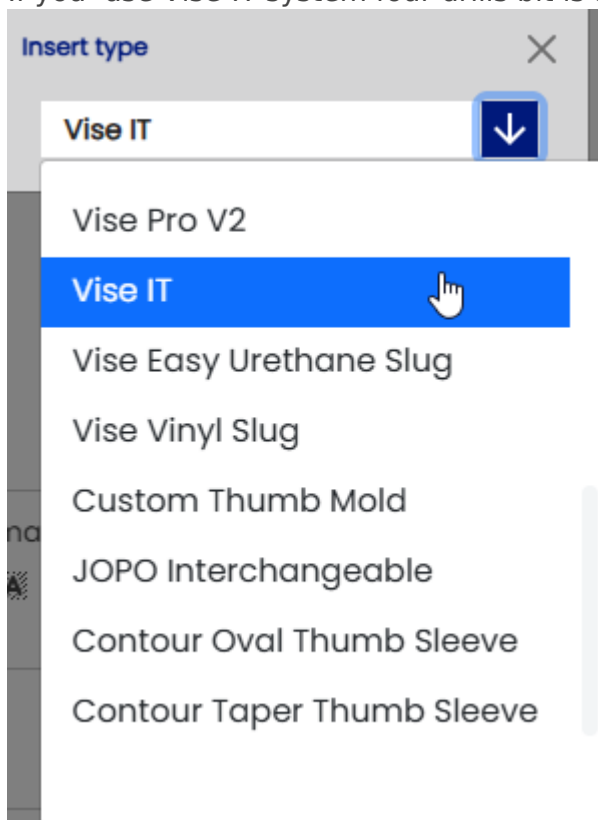


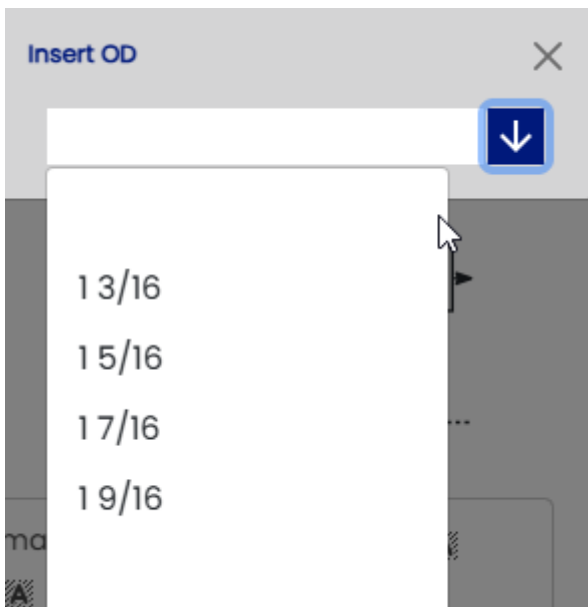
Insert OD

11/2

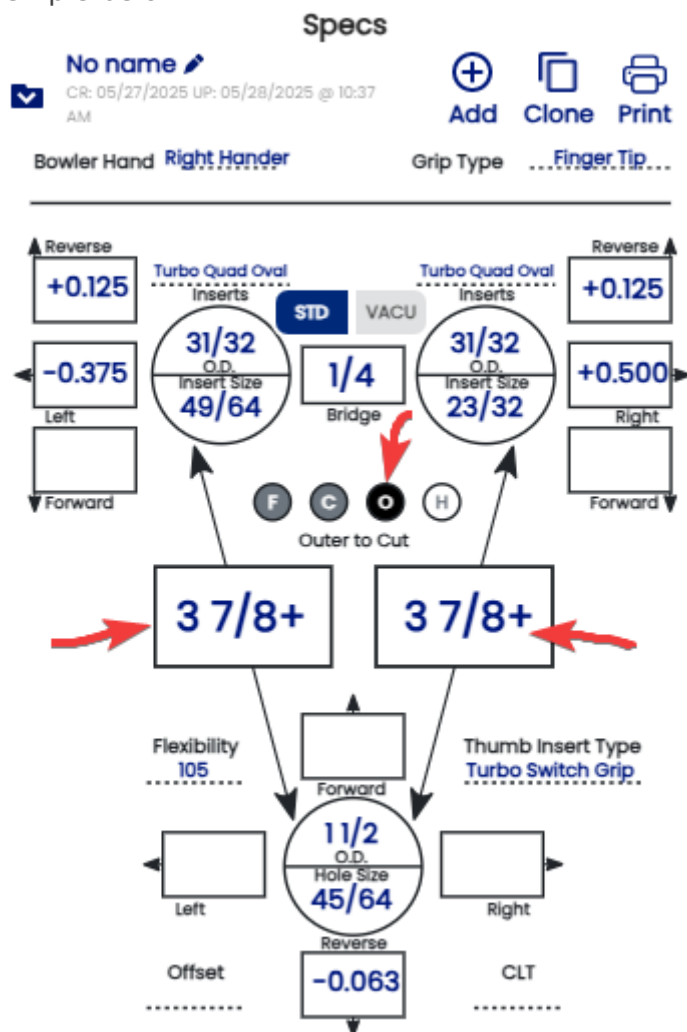


16. If you use Vise-IT system four drills bit is available see the picture below

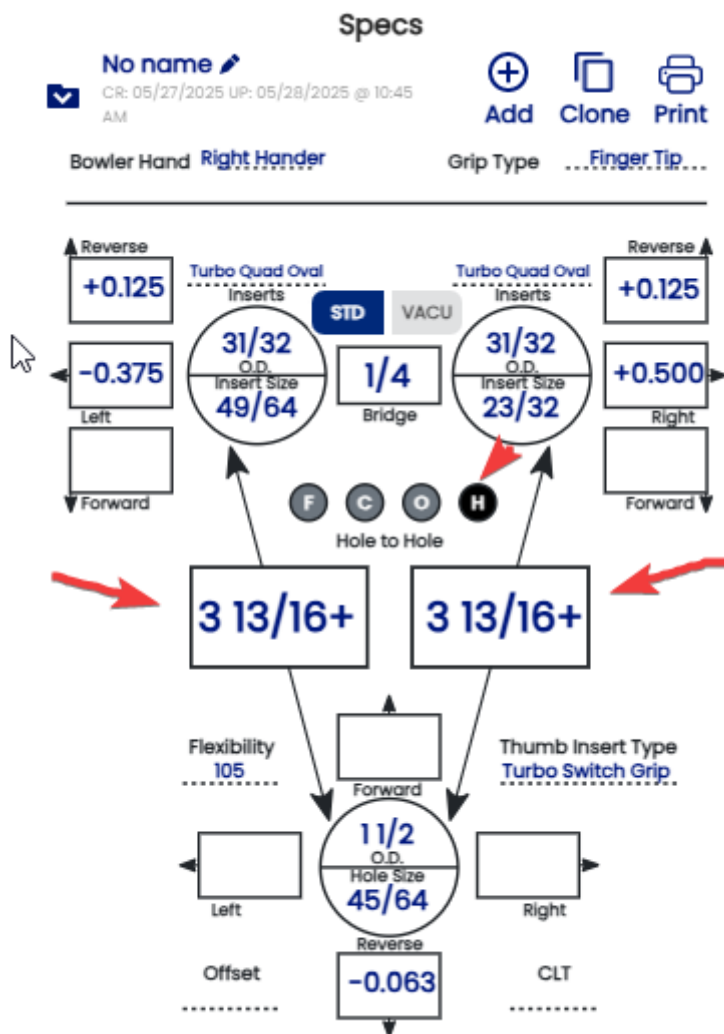




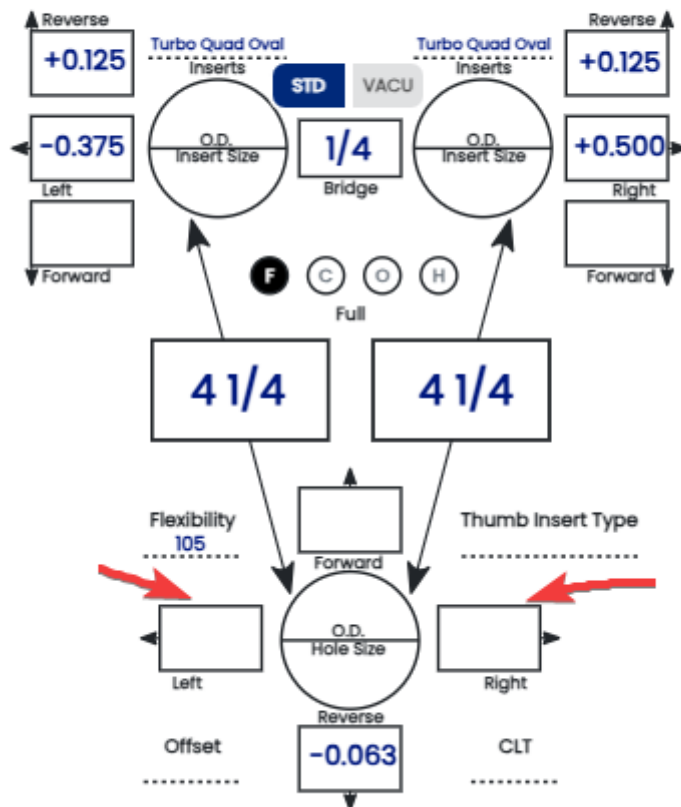
17. The "O" (Outer to Cut) measurement is the distance from the edge of the outer sleeve (Turbo or JOPO) or top sleeve (Vise-it System) to the edge of the hole of fingers see the exemple below ..



18. The "H" (Hole to Hole) is the measurement from edge of all hole . It's the shortness distance of the sheet on this exemple we take the measurement of the "O" span minus the thickness of the outer sleeve (1/16) see ex:



19. The people using side pitch to the thumb you add manually on "Right" of "Left" section based on what is found ex:



Right



0 (0.000)

1/16 (0.063)

1/8 (0.125)

3/16 (0.188)

1/4 (0.250)

5/16 (0.313)

3/8 (0.375)

Specs

No name

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Add



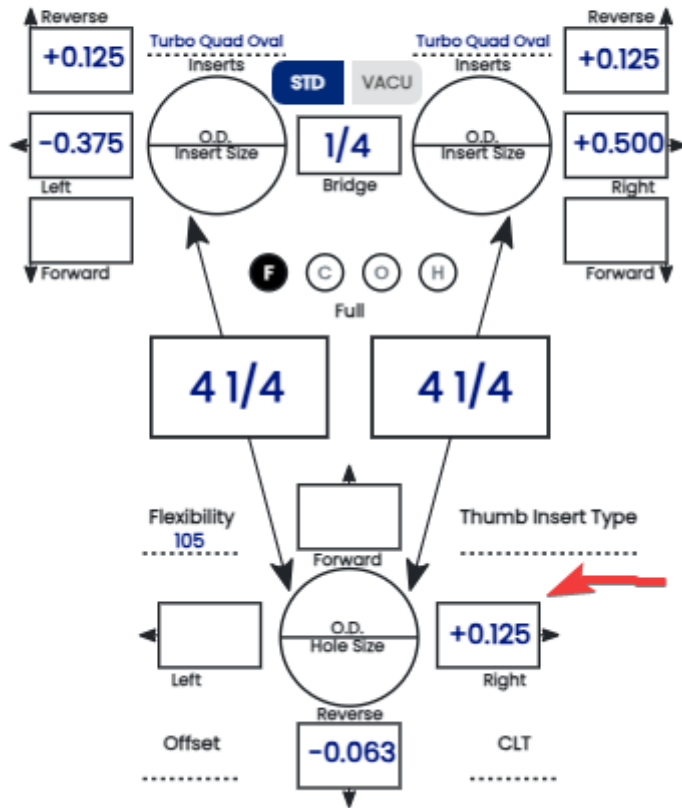
Clone



Print

Bowler Hand **Right Hander**

Grip Type **Finger Tip**



Arsenal

This section is for saving your arsenal to your profile!