

Inputting thumb oval measurement

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

- How to input the thumb oval information.

How to input the thumb oval information.

1. The type of blank information is found on this section of the spec sheet . To proceed to be in dark blue .

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

ex:

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

Round

Oval

Calculate Oval

Hole Type

Starting Bit

Oval Width

Oval Degree

Taper

Oval Cuts

+

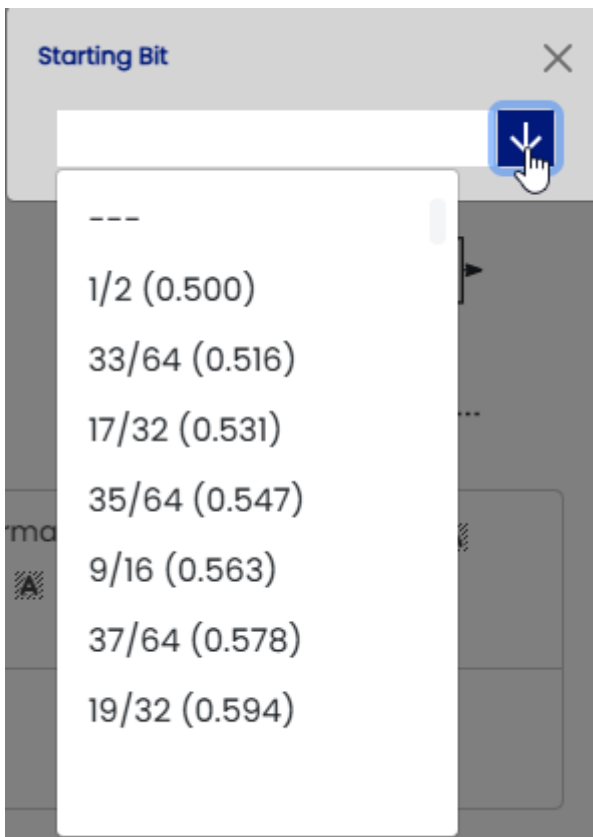
Taper

1/2
BACK

1/2
FRONT

1/4
BACK

1/4
FRONT



WI

Round

Oval

Calculate Oval

Hole Type

Starting Bit 33/64	Oval Width	Oval Degree	Taper
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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

+

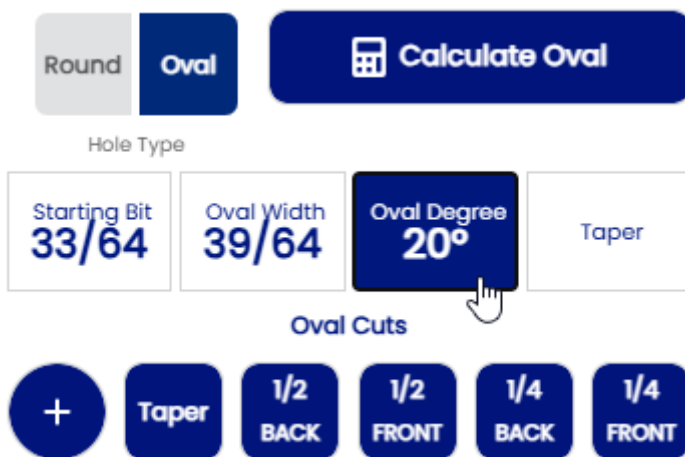
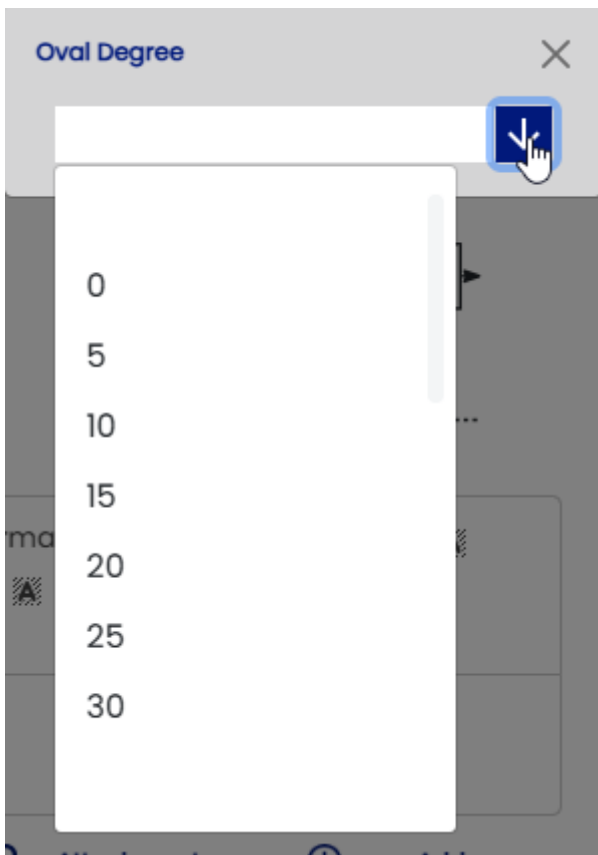
Taper

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
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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
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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