

4.3.1 Entering span measurements (F, C, O, H)

4.3.1 step-by-step

Span measurements define the distance between the thumb hole and each finger hole. Spectre Cloud supports **four span types**, and it's important to enter values under the correct one — the number only means what it's supposed to when it's paired with the right span type.

☐☐ The Four Span Types (Summary)

Spectre Cloud uses four span measurement types. Each is explained in full — including how it's measured and when to use it — in **4.3.2**. In brief:

- ☐ **Full Span (F)** — the complete measured span, everything included, inserts and all.
- ☐ **Cut to Cut (C)** — Full Span minus the insert thickness; used when drilling thumb-first.
- ☐ **Outer to Cut (O)** — for interchangeable thumbs; inside of the female interchangeable to the cut of the finger OD hole.
- ☐ **Hole to Hole (H)** — biggest hole to biggest hole (what the PBA truck calls "Cut-to-Cut").

For the full detail on each type, see 4.3.2 — Span types. This page covers how to *enter* the values once you know which type you're working in.

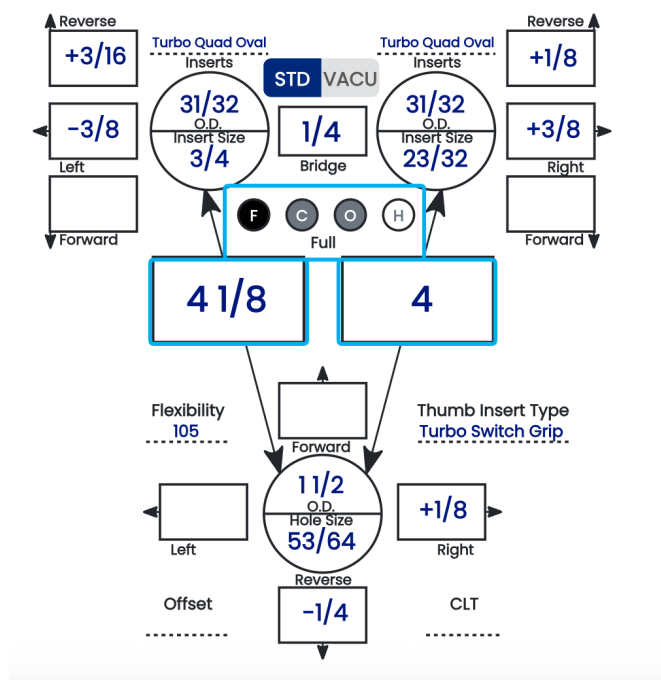
☐☐ The Span Fields on the Spec Sheet

The two span boxes sit at the center of the spec sheet, directly below the finger holes. For a right-handed bowler:

- ☐ The **left box is the middle finger**.
- ☐ The **right box is the ring finger**.

Enter each finger's span in its box. The values are almost always different from one another, so confirm you're entering each in the correct field.

Note: The middle and ring finger boxes **flip when you change the bowler's dominant hand**. Because handedness mirrors the layout, switching a bowler from right-handed to left-handed (or vice versa) swaps which box is the middle finger and which is the ring — so always confirm the bowler's hand is set correctly before reading or entering span values.



☐ Reading the F / C / O / H Bubbles

Between the two span boxes is a row of four bubbles — **F**, **C**, **O**, **H** — one for each span type. Their shading tells you, at a glance, which span type is currently displayed and which ones already hold a value:



Bubble state	Meaning
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Black background	This is the span type currently being displayed in the span boxes.
Grey background	A value is present for this span type (but it's not the one currently displayed).
White background	Nothing is present — the value for this span type is blank or incomplete.

The bubbles let you switch which span type is shown and immediately see which types are already filled in. A grey bubble means that span exists on the sheet; a white bubble means it doesn't yet.

Only Cut to Cut Is Automated

This is the key thing to understand about span entry: **Cut to Cut is the only span type with any automation behind it.**

-  **Cut to Cut (C)** has an automated toggle in the settings — **Autofill Cut to Cut (2.6.9)** — which derives the value from the Full Span and insert dimensions.
-  **Full Span, Outer to Cut, and Hole to Hole are manual entry only.** There is no automation behind them — whatever you type is what's recorded.
-  **None of the span types have error validation.** Spectre Cloud will not flag a value that's out of range, transposed, or entered under the wrong span type — the entry is taken exactly as given.

Because there's no validation catching mistakes, the responsibility for a correct value sits entirely with the person entering it. Confirm the span type and re-check the numbers before saving.

Adjusting Span Increments

The values available when entering a span come from a drop-down, and the **increment of that drop-down is adjustable in the settings** (see 2.2.7). If the default steps are finer or coarser than you like to work in, change the increment so the drop-down offers the values that match your shop's habits.

Entering Span — Step by Step

1. Confirm the bowler's **dominant hand** is set correctly — this determines which box is the middle finger and which is the ring.
2. Confirm the **span type** is set correctly (see 4.3.2) — check that the intended bubble (F, C, O, or H) is the one with the black background.

3. Enter the **middle finger** span in its box.
4. Enter the **ring finger** span in its box.
5. Double-check both values against your fitting source before moving on.

Related Sections

- 4.3.2 — The four span types: F, C, O, H
- 2.2.7 — Adjusting span measurement increments
- 4.2.4 — Identifying grip type from a measurement sheet
- 2.6.9 — Autofill Cut to Cut: the one automated span toggle
- 4.4.5 — Inputting pitches

Tip: Glance at the bubble row before you save. A black bubble tells you which span you're looking at, and the grey ones tell you which other spans are already on file — an easy way to confirm nothing you meant to enter was left white and blank.

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