

2.6.3 Auto-CLT — lateral pitch of fingers based on CLT chart

Auto-CLT — lateral pitch of fingers based on CLT chart

2.6.3

auto

The **Auto-CLT** setting controls whether Spectre Cloud automatically suggests a **lateral pitch value for the finger holes** based on the bowler's **Center Line Transformation (CLT)** measurement. When enabled, the auto-suggestion engine consults the CLT chart and pre-populates the lateral finger pitch field on new spec sheets, removing the need for the fitter to look up and enter the value manually.

☐ What Is Center Line Transformation (CLT)?

Center Line Transformation is a measurement taken during the fitting process that captures how the bowler's finger centerline relates to the grip center of the ball. This relationship directly influences how much lateral pitch — if any — the finger holes require to achieve a comfortable, neutral fit that does not place undue stress on the fingers during the swing or release.

- ☐ CLT quantifies the natural lateral offset of the bowler's fingers relative to the ball's grip center.

- □ The resulting lateral pitch recommendation compensates for this offset, aligning the finger holes with the bowler's natural grip orientation.
- □ Getting lateral finger pitch right reduces grip fatigue, finger stress, and inconsistent ball exit — particularly over a long bowling session or tournament.
- □ CLT-based suggestions are a starting point — individual factors such as finger shape, knuckle prominence, and personal comfort should always be assessed physically before drilling.

Note: ⚠ *Verify with your Spectre team: confirm exactly how CLT is measured and recorded in Spectre Cloud — whether it is a numeric value, a derived figure from other measurements, or a category selection — and confirm which CLT chart version the suggestion engine references.*

□□ How the CLT Chart Translates to Lateral Pitch

The CLT chart maps a bowler's CLT measurement to a recommended lateral pitch value for the finger holes. Spectre Cloud's Auto-CLT engine performs this lookup automatically when a new spec sheet is opened for a bowler with a CLT measurement on record.

CLT Value	Suggested Lateral Pitch Direction	Rationale
Significant offset toward ring finger	Lateral pitch toward ring finger	Compensates for finger centerline displaced toward the ring side
Minimal offset	Zero lateral pitch	Finger centerline aligns naturally with grip center — no compensation needed
Significant offset away from ring finger	Lateral pitch away from ring finger	Compensates for finger centerline displaced toward the middle finger side

Note: The table above illustrates the directional logic of CLT-based lateral pitch suggestions. Specific numeric thresholds and output values must be confirmed with the Spectre team before publishing. ⚠ *Verify with your Spectre team: confirm the actual CLT measurement ranges and corresponding lateral pitch values used by the suggestion engine, and update this table with precise figures.*

□□ Enabling or Disabling Auto-CLT

1. Navigate to **Settings** from the top menu.

2. Locate the relevant settings section. *△ Verify with your Spectre team: confirm the exact section name for 2.6.x settings, consistent with earlier pages in this chapter.*
3. Find the **Auto-CLT** option.
4. Toggle the setting on or off according to your shop's preference. *△ Verify with your Spectre team: confirm whether this is a toggle, checkbox, or other control.*
5. The change takes effect immediately for all new spec sheets. Existing spec sheets are not affected. *△ Verify with your Spectre team: confirm auto-save behavior, consistent with other settings in this chapter.*

☐ Relationship to Other Pitch Settings and Auto-Suggestions

Auto-CLT operates alongside the other pitch-related settings in chapters 2.4 and 2.6. The lateral pitch value it suggests is displayed using the same sign convention and directional indicator format active for your account — so the suggestion appears in the format your press expects.

- ☐ The suggested lateral pitch respects the **right pitch as positive** sign convention set in **2.4.1**.
- ☐ If directional indicators are enabled (**2.4.3**), the Auto-CLT suggestion will display with the appropriate direction arrow or label.
- ☐ Auto-CLT applies to **finger lateral pitch specifically** — it does not affect thumb lateral pitch, which is governed by separate fitting measurements. *△ Verify with your Spectre team: confirm whether Auto-CLT applies to both fingers independently, or to the finger pair as a single value.*
- ☐ Overriding the Auto-CLT suggestion is treated the same as any other manual pitch entry — the override is saved to the bowler's history and informs future suggestions.

⚙️ When to Consider Turning Auto-CLT Off

- ☐ **Training new staff** — disabling Auto-CLT requires trainees to consult the CLT chart manually and derive lateral pitch independently, building genuine fitting knowledge.
- ☐ **Bowlers with incomplete CLT records** — if a bowler's CLT has not been measured or recorded in Spectre Cloud, the suggestion cannot fire. In these cases, Auto-CLT being on has no effect, but turning it off clarifies that manual entry is always expected for this bowler.

- **Shops that do not use CLT-based fitting** — if your shop derives lateral finger pitch from a different methodology entirely, Auto-CLT suggestions will conflict with your approach on every spec sheet.
- Turning Auto-CLT off in a CLT-based shop increases the risk of a fitter skipping lateral pitch entirely or applying a default value without reference to the bowler's actual measurement.

What Happens When No CLT Is on Record

If a bowler does not have a CLT measurement recorded in Spectre Cloud, the Auto-CLT engine has no data to work from and will not populate the lateral pitch field. The field will remain blank pending manual entry.

- No suggestion is preferable to a wrong suggestion — Spectre Cloud will not guess a lateral pitch value without a CLT measurement to base it on.
- To enable Auto-CLT suggestions for a bowler, ensure their CLT measurement is recorded in their profile before opening a new spec sheet. [△](#) *Verify with your Spectre team: confirm where CLT is recorded in Spectre Cloud — on the bowler profile, on individual spec sheets, or both.*

Scope of This Setting

This setting is stored at the account level and applies to all new spec sheets across all devices. [△](#) *Verify with your Spectre team: confirm per-user vs. per-account/shop scope — this chapter is the right place to resolve this question definitively and apply the answer retroactively across all affected pages from 2.3.5 onward.*

Related Sections

- 2.6.2 — Pitch suggestion: auto forward pitch based on hand flexibility
- 2.6.1 — Overview: why leaving all auto-suggestions on saves time
- 2.6.4 — Next auto-suggestion setting *(if applicable)*
- 2.4.1 — Does your machine display right pitch as positive? Y/N
- 2.4.3 — Display +/- in pitch tiles: showing direction arrows to avoid errors
- 3.x — Bowlers: recording CLT in a bowler profile
- 4.x — Spec Sheet: entering and reviewing lateral finger pitch

Tip: CLT is one of those measurements that pays dividends over time — a bowler fitted with accurate lateral finger pitch early in their history will have better Auto-CLT suggestions on every ball that follows. Make recording CLT a routine part of every new bowler intake, not just an occasional step, and the suggestion engine will do progressively more of the work for you.

...

Revision #2

Created 11 May 2026 16:02:38 by Admin

Updated 26 May 2026 19:14:20 by Art