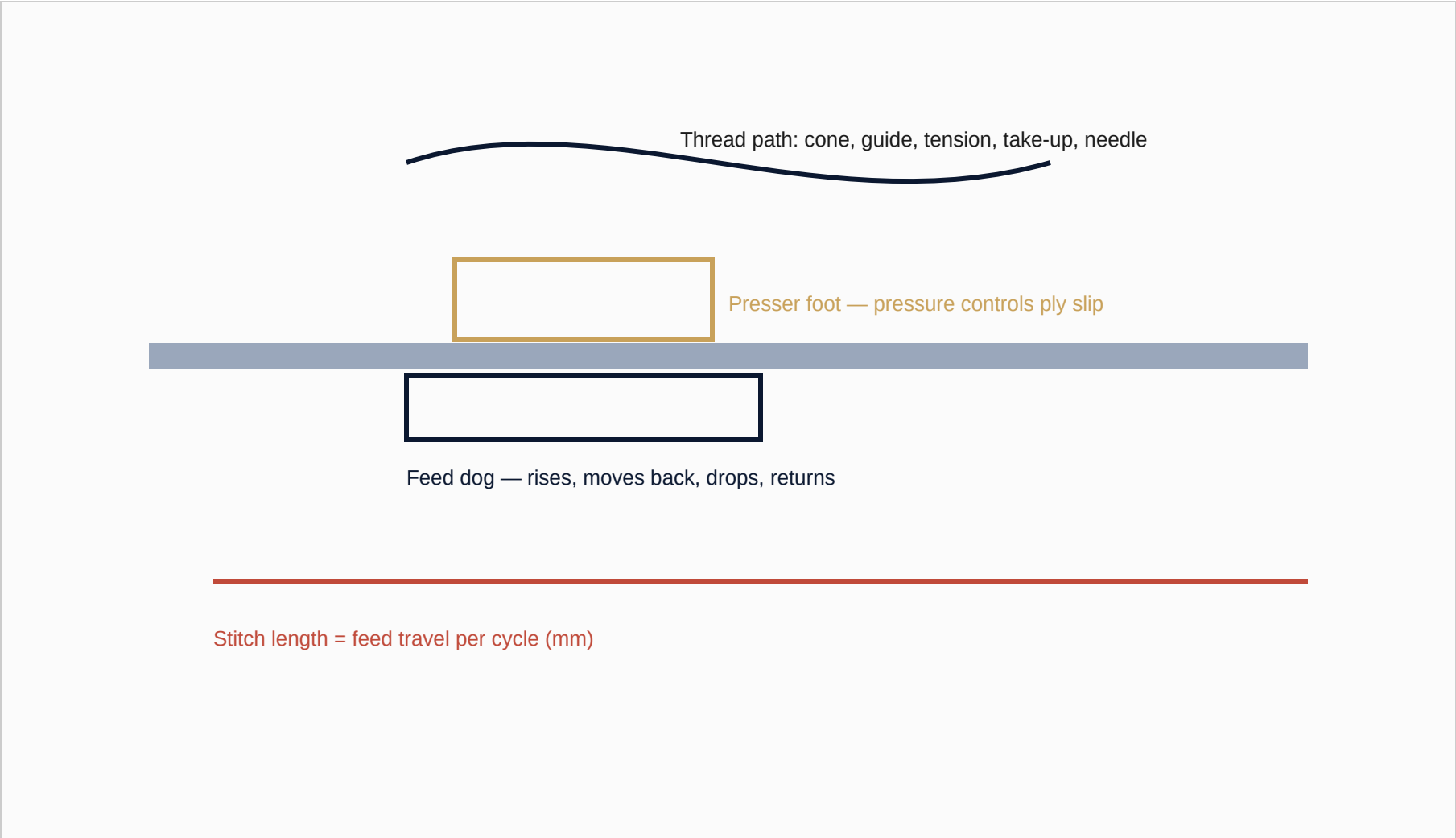


Machinery diagram — feed system & thread path

Feed dog cycle, presser foot pressure and the full thread route from cone to needle.



Stitch / cycle sequence

- 1 Thread runs cone, guide, tension discs, take-up, needle bar guides.
- 2 Feed dog lifts above the throat plate and grips the bottom ply.
- 3 Feed dog travels back by exactly one stitch length.
- 4 Feed dog drops below the plate and returns forward.
- 5 Presser foot keeps both plies together through the whole cycle.

Baseline settings

Stitch length	2.0 – 2.5 mm general assembly
Feed dog height	Teeth fully clear the plate at top
Presser foot pressure	Increase only if plies slip
Needle plate	Match hole size to needle, not the largest
Common defect	Puckered seam = pressure or tension too high