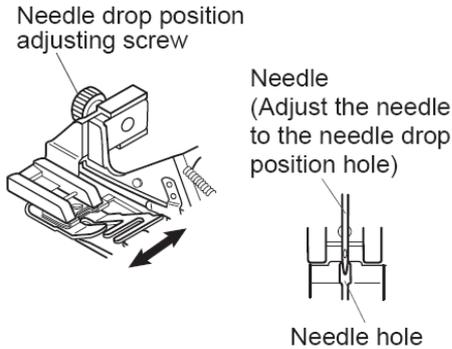


## RUFFLER

### Adjusting the needle hole position:



#### Note:

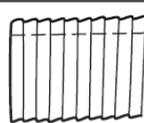
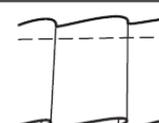
Make sure the needle does not touch the foot.

Use the stitch pattern  "M" needle position).

- Raise the presser foot lifter and loosen the needle drop position adjusting screw, Adjust the position the hole left or right until the needle can freely pass through the needle hole without touching.
- Tighten the needle drop adjusting.

### Adjusting the ruffling interval:

The ruffling interval is adjusted with the ratchet gear feed plate.

	Narrower $\longleftrightarrow$ Wider		
How to adjust ruffling intervals			
Ratchet gear feed plate setting	 Set to 1 on the ratchet gear feed plate	 Set to 6 on the ratchet gear feed plate	 Set to 12 on the ratchet gear feed plate
Ruffling interval	One tuck is obtained with every stitch	One tuck is obtained every 6 stitches	One tuck is obtained every 12 stitches

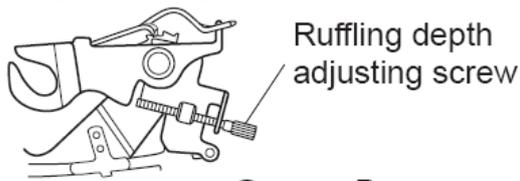
\* When reverse stitching is required, set to the hole marked  on the ratchet gear feed plate. At  there is no ruffling; only straight stitching is obtained.)

\* The ruffling mechanism makes a tuck with every stitch, or every 6<sup>th</sup> or 12<sup>th</sup> stitch. The ruffling interval also differs depending on the stitch length.

\* To make gathers, set to 1 on the ratchet gear feed plate and turn the ruffling depth adjusting screw to adjust the tucking depth to scale mark 1.

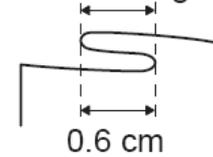
\* To release (turn off) the ruffling mechanism, set to the  on the ratchet gear feed plate.

Adjusting the ruffling depth:



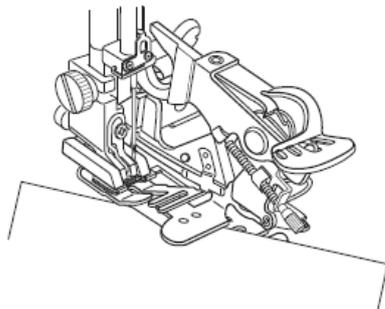
- ↻..... Deeper.
- ↻..... Shallower (or gathering)

Maximum ruffling depth

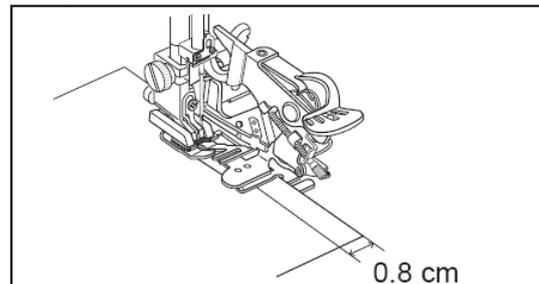


Turn the ruffling depth adjusting screw to adjust the ruffling depth. (Ruffling depth can be adjusted up to approximately 0.6 cm.)

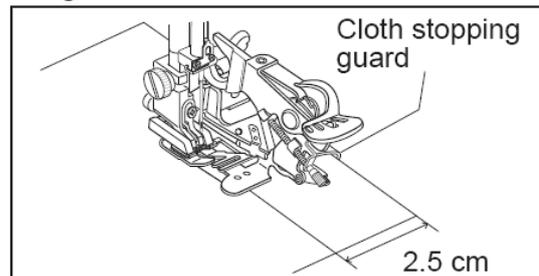
### Sewing instructions:



<Fig. A>



<Fig. B>



- Insert the fabric diagonally from the front between the cloth feeding guide and the cloth catching guide plate. The seam allowance can be set to either 0.8 cm or 2.5 cm.

<Fig. A: For 0.8 cm seam allowance>  
Insert the edge of the fabric between the claws.

<Fig. B: For 2.5 cm seam allowance>  
Insert the edge of the fabric over the claw and into the cloth stopping guard.

- Practice first on scrap fabric until the desired ruffling or gathering is obtained.
  - \* The finished ruffled length will vary depending on the stitch length and the type of fabric. Measure the practice results to determine what the actual finished length will be. (Refer to sections 4 and 5 for how to adjust the ruffling interval and depth.)
- Insert the fabric into the ruffler and guide it gently while sewing at slow speed.
  - \* If the fabric should need to be pulled out while sewing, make sure the fabric is pulled out away from you. Damage may occur to the fabric if it is pulled out towards you.
  - \* Gently guide the fabric to be ruffled to prevent shifting.
  - \* Use the thread cutter attached on the side cover to trim your threads once sewing is finished.