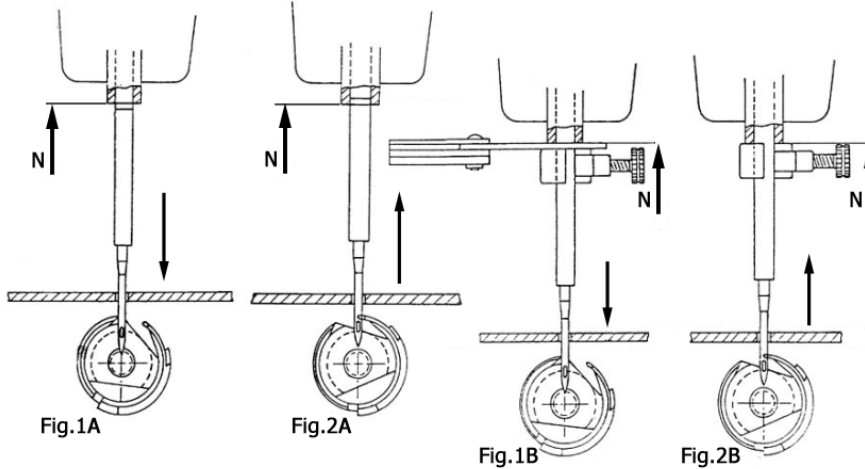


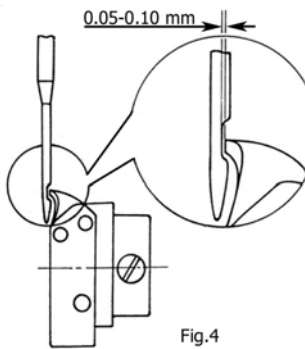
To enjoy the quality features of your new CERLIANI hook and obtain superb performance, install the hook as follows:

Fit the hook on its mounting shaft. Turn hand wheel in the sewing direction until the needle bar is at its lowest point.

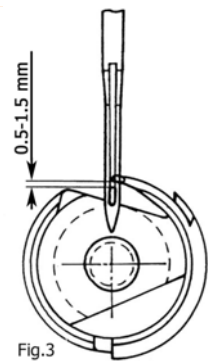


If the needle bar has timing marks on it (2 lines), check to make sure that its upper line is exactly aligned with the level of plan N (Fig. 1A). If they do not coincide, adjust the needle bar accordingly. Turn the hand wheel until the lower line of the timing marks meets exactly the level of plan N (Fig. 2A). If the needle bar has no timing marks, use the gauge appropriate

for the specific model of sewing machine. Place the gauge of the necessary thickness in position and lock it on the plan N by fixing the special clamp to the needle bar (Fig. 1B). Remove the gauge. Turn the hand wheel until the clamp reaches the plan N (Fig. 2B).



With the machine in this position, rotate the hook on its shaft until the hook point coincides exactly with the center line of the needle. Lightly lock the hook set screws on the hook shaft. At this position raise or lower the needle bar (in case B remove the clamp used) until there is a distance of 0.5-1.5 mm between the hook point and the upper edge of the needle eye (Fig. 3). Now clamp the needle bar in this position. The hook must now be set in its transverse position.



hook point, when passing the needle, should be set so that there is a clearance between them of 0.05-0.10 mm (Fig. 4).

If a hook point guard is fitted to the hook, this should be adjusted so that if the needle is deflected towards the hook point, it will restrain the needle and therefore prevent damage to the hook point.

Finally, tighten fully the hook set screws.

Your CERLIANI hook is now ready to meet your high expectations, offering long lasting and smooth operation with the highest precision available in lockstitching.

### Possible timing values

Depending on the sewing conditions, it is possible to advance or delay the nominal timing according to the values of the following table.

Hook	Kind of sewing material			
	Fine-Light	Medium	Medium heavy	Heavy
Type	shirts/underwear	suits & dresses	jeans & overalls	maco & leather
Rotary hook	1.6-1.8 mm (0.06304-0.07092 ")	1.8-2 mm (0.07092-0.07880 ")	2.0 mm (0.07880 ")	2.2 mm (0.08668 ")
Rotary hook Large capacity	1.8-2 mm (0.07092-0.07880 ")	2.0 mm (0.07880 ")	2-2.2 mm (0.08668 ")	2.2 mm (0.08668 ")
Vertical Rotary hook	1.8-2 mm (0.07092-0.07880 ")	2.0 mm (0.07880 ")	2-2.2 mm (0.08668 ")	2.2 mm (0.08668 ")
Large capacity Vertical Rotary hook	-	2.0 mm (0.07880 ")	2-2.2 mm (0.08668 ")	2.4 mm (0.09456 ")
Wheeler Wilson Type	2.2-2.4 mm (0.08668-0.09456 ")	2.4 mm (0.09456 ")	2.4 mm (0.0945 ")	