

3.1.7.7 Sewing Head Compression and Spindle

There is a compression spring on the upper link shaft. The compression force acting on the presser foot is ensured by the pressure spring force. When the presser foot height is raised by the presser foot, the distance between the presser plate and presser foot should be 6-8mm. This should be 10-13mm when very thick fabrics are sewn. Long needle can be used to increase the compressive power. In order to increase the compressive force some special suppressing devices are added to the machine.

The print quantity must be suitable for the surface to be sewn. As a result of excessive pressure applied to the surface of the presser foot, the fabric layers may be slipped, the seam line may be extended and the fabric may be damaged. For poor compression, there may be an uneven transport process, the sewing process may not be controlled. Because it is very light, the fabric can be feathered to the left and right.