

3.1.5.3 Needle Selection by Surface Feature

The type of fabric, thickness and number of layers are important in the selection of needles. In multi-ply fabrics, fine needle leads to needle deflection, sewing is broken, needle breaks. The use of thick needles in light (thin) fabrics damages the yarns of the fabric, causing stitch contraction.

Needle selection for woven fabrics

60-80 Nm for fine fabrics

80-90 Nm for medium thickness fabrics

Thick fabrics for 90-120 Nm or thicker