

JOB ROLE – SEWING MACHINE OPERATOR

Sector – Apparel, Made-Ups and Home Furnishing
(Qualification Pack Code: AMH/Q 0301)



PSS Central Institute of Vocational Education
Shyamla Hills, Bhopal – 462 013 , Madhya Pradesh, India

www.psscive.ac.in

UNIT 2: SEWING TOOLS AND SEWING MACHINE OPERATIONS

Session 2: Cutting Tools and Usage

Content

Title	Slide No.
Session Objectives	4
Introduction	5
Cutting Tools with Usage	6-17
Summary	18

Session Objectives

The students will be able to:

- Describe the cutting tools
- Demonstrate the usage of cutting tools

Introduction

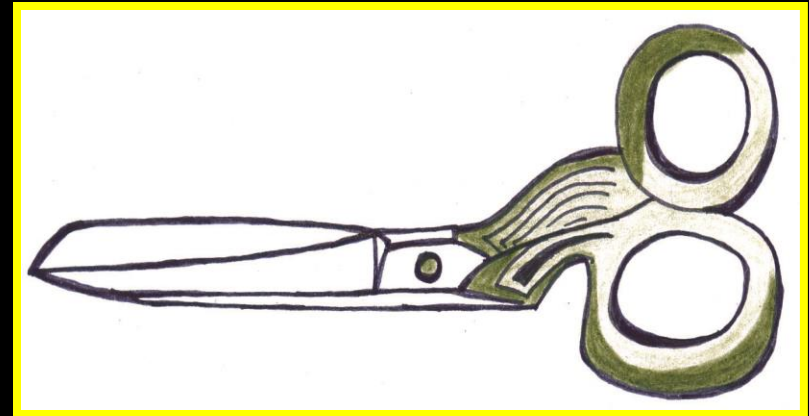
The selection of cutting tools according to the fabric is important before starting the cutting process. The quality of cutting tools is very important i.e. the quality of metal used, strength/hardness of blades, its weight and its plating, etc.

Cutting Tools

Some of the important cutting tools that a sewing machine operator must be aware about are listed below.

Bent-handled shears:

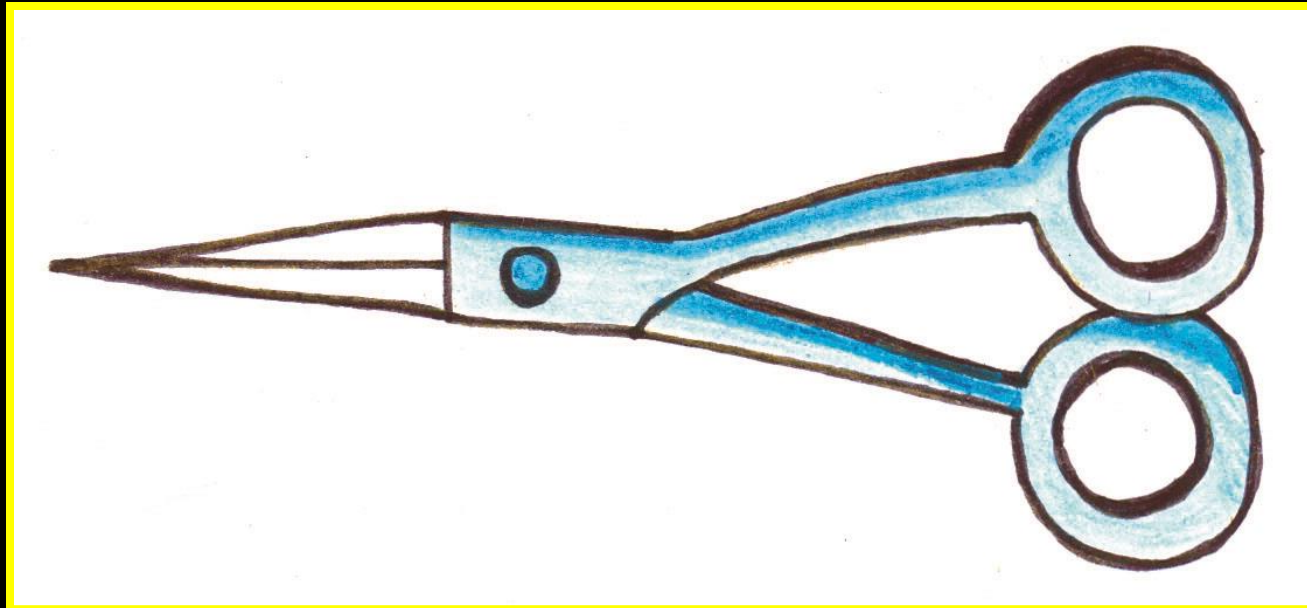
- It allows the fabric to lie smooth and straight when it is being cut, thus yielding better control over the cutting edge.
- These shears are available commonly with 7-or 8-inch blades.
- These scissors are used to cut fabrics only.



Cutting Tools

Scissors:

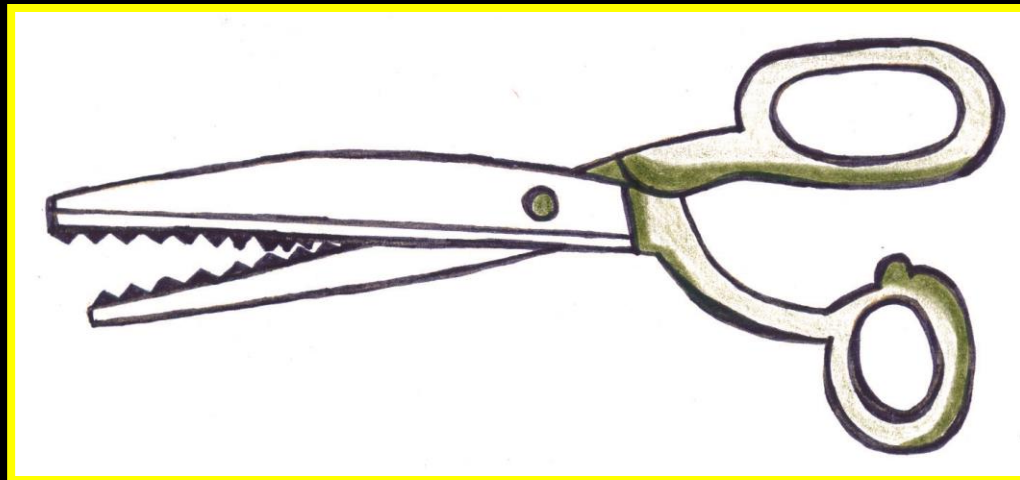
- These are the main tool for cutting fabric its have sharp, pointed and slender blades, used for cutting of different materials.
- These scissors are mostly 3-10 inches long in size.



Cutting Tools

Pinking shears:

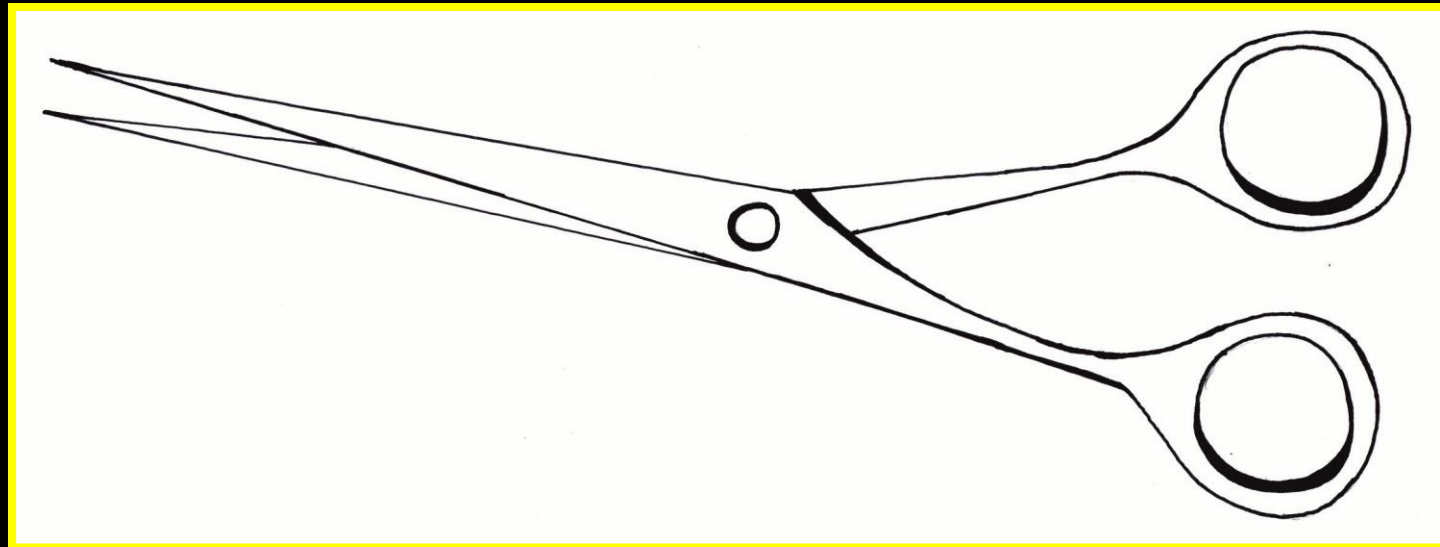
- It is one of the best shears for edge finishing of various type of fabrics, which do not ravel too badly.
- It is useful in finishing raw edges of fabric or to produce a decorative edge.
- Pinking shears produce a notched cutting line (zigzag) to give a neat look to the inside of the garment and also prevent raveling.



Cutting Tools

Embroidery scissors:

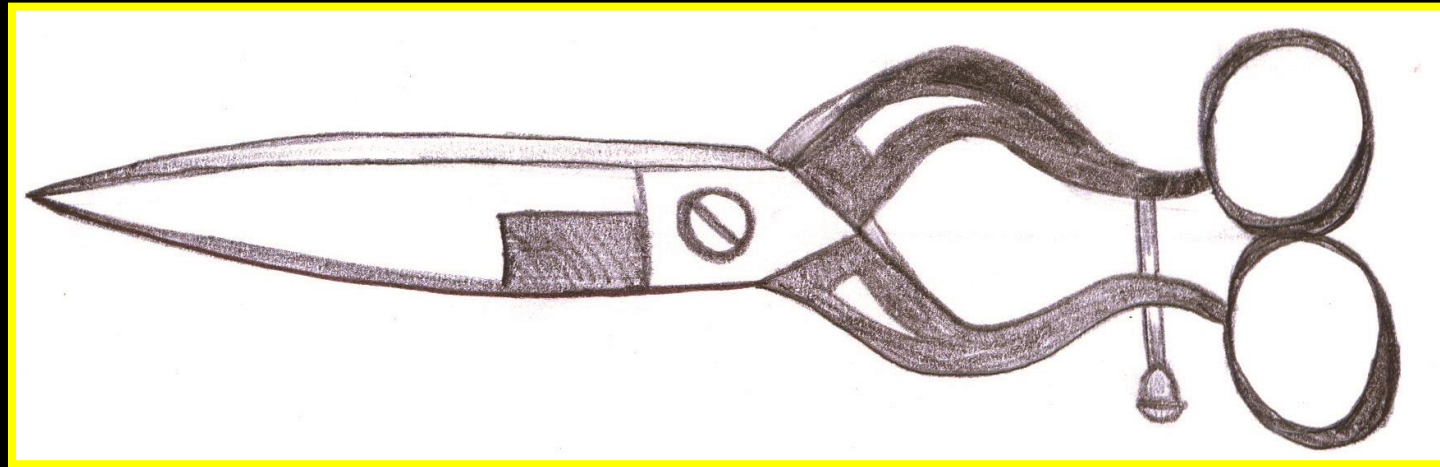
- These scissors are small, usually 4-5 inches in length with very sharp blades.
- It is used for all purpose needlework, ripping and for making buttonholes.



Cutting Tools

Buttonhole scissors:

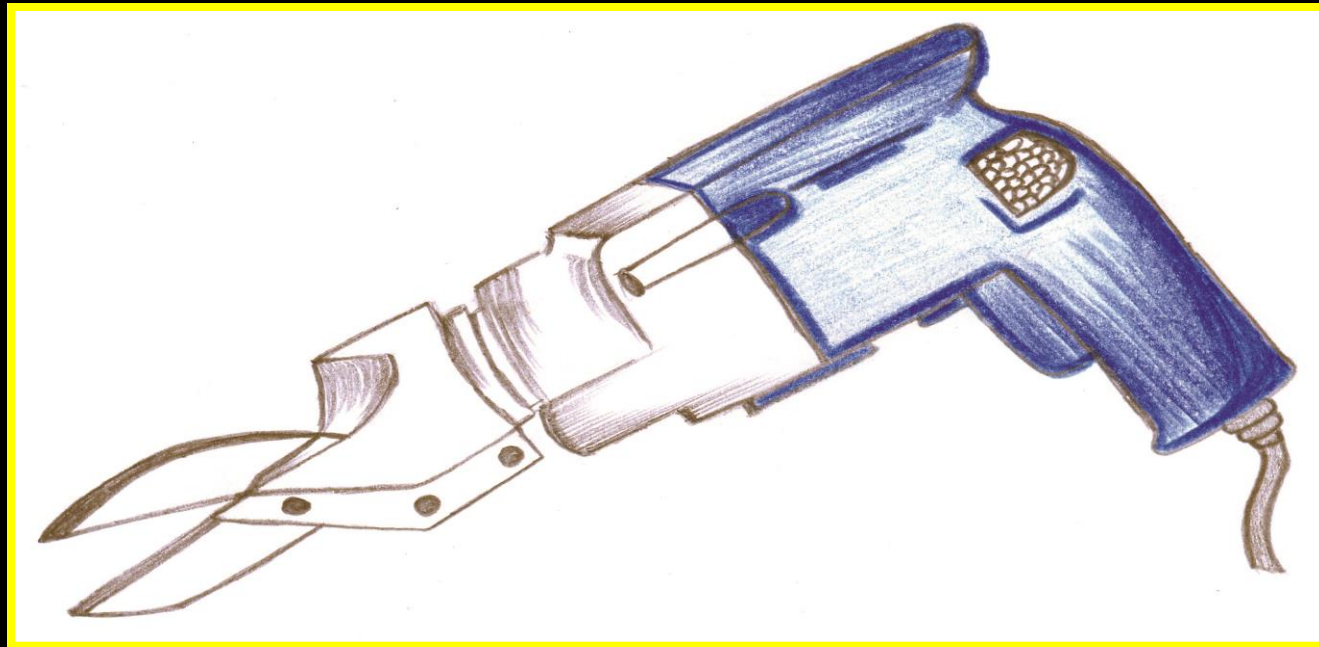
- These scissors have a bolt and lock nut which is adjusted to cut a buttonhole of any length up-to 1.5 inches.



Cutting Tools

Electronic scissors:

- It is appropriate for cutting silk, nylon, soft and hard-to-cut fabric.
- These scissors are use mostly in the industry.



Cutting Tools

Straight knife:

- It is a cutting machine basically used for cutting fabrics the perfect edges.
- This machine has a base plate and upright stand to hold the vertical blade. It is widely used in the garment industry.



Cutting Tools

Round knife:

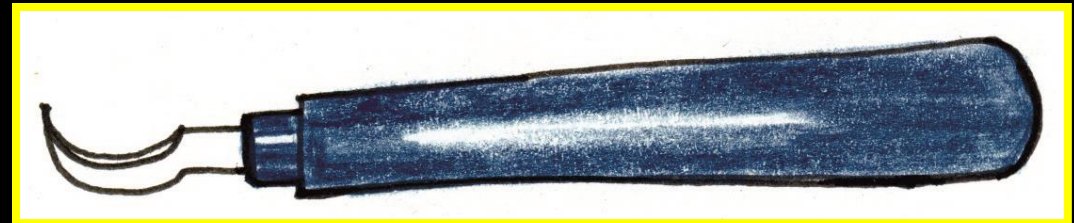
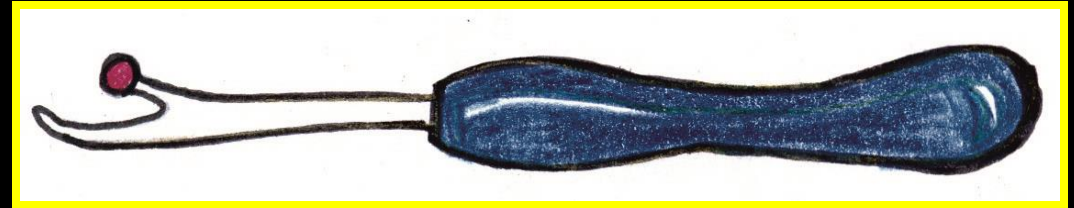
- It is a base plate with an electric motor placed above it, with a handle to direct the blade for cutting as per the requirement.
- It is very suitable for gentle curve line cutting.
- This is used to cut the larger part of the garment.



Cutting Tools

Seam ripper:

- A seam ripper is the best equipment to rip or open seams.
- When removing the stitches, the fabric should not be pulled as it can stretch and easily tear the fabric.



Cutting Tools

Thread cutter:

- It is a small handy spring loaded tool, specifically used for cutting extra threads on the garments and ripping seams.



Cutting Tools

Cutting table:

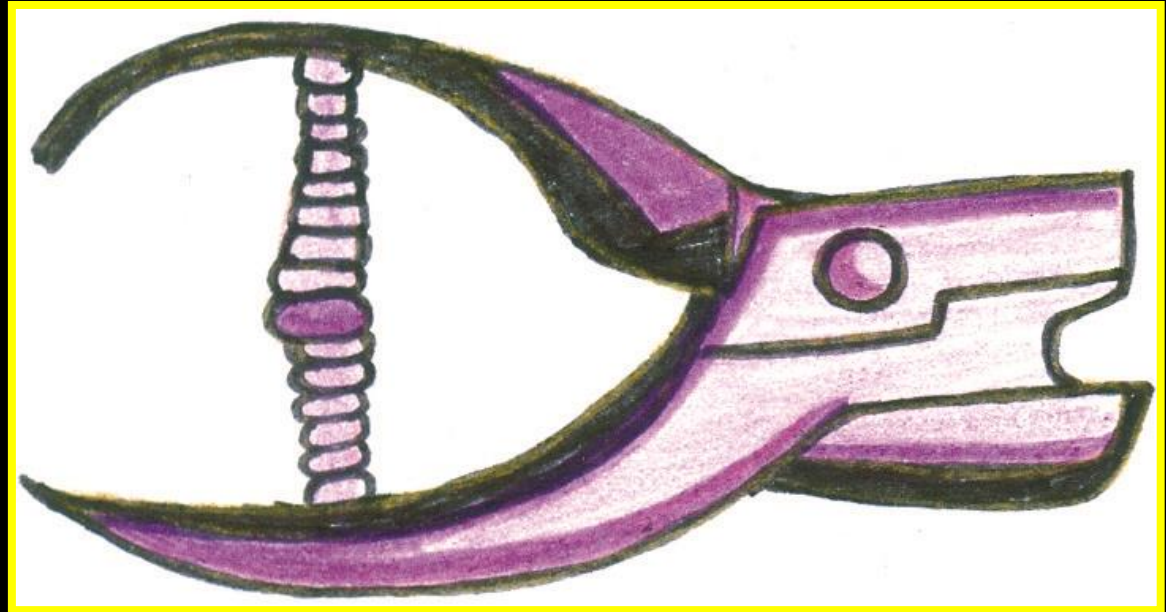
- It is a large, flat table used to spread the fabric and patterns while marking, pinning, and cutting.



Cutting Tools

Notcher:

- It is a tool used in pattern making and sewing to align the pattern pieces and seam allowance, centre lines, ease, dart intake, etc..
- It creates notches in the paper pattern or material.



Summary

In this session, you have learnt about the Cutting tools used in garment construction.

Project Coordinator : Dr. Pinki Khanna

Assistance
Dr. Nishi Sharma,
Assistant Professor



Joint Director
PSS Central Institute of Vocational Education
Shyamla Hills, Bhopal – 462013 , Madhya Pradesh, India

E-mail: jdpscive@gmail.com
Tel. +91 755 2660691, 2704100, 2660391, 2660564
Fax +91 755 2660481
Website: www.psscive.ac.in