

# JOB ROLE – SEWING MACHINE OPERATOR

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



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# **UNIT 2: SEWING TOOLS AND SEWING MACHINE OPERATIONS**

## **Session 1: Measuring and Marking Tools and Their Usage**

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# Session Objectives

The students will be able to:

- Describe the measuring tools of sewing
- Explain the marking tools of sewing
- Demonstrate the usage of measuring and marking tools of sewing

# Introduction

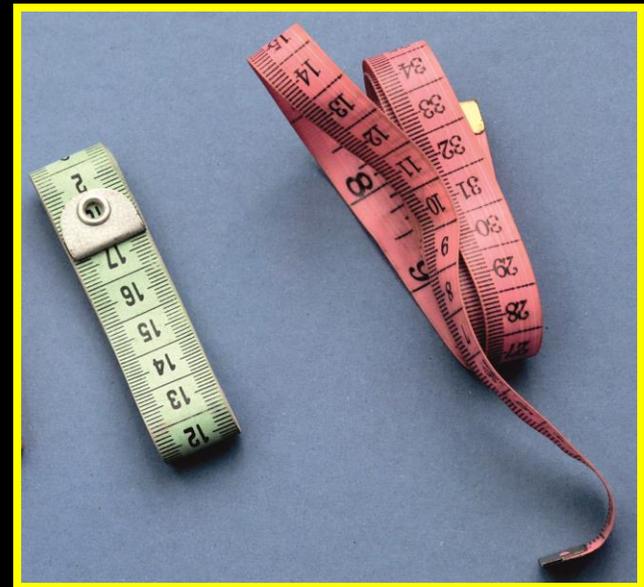
Good stitching enhances the beauty and style of the object. A sewing machine operator must have a sound knowledge of the different tools of sewing and operation of sewing machine. Different tools and equipment of measuring, marking and cutting have their own utility and importance. A Sewing Machine Operator also know the prior preparation before stitching. For example, one must be aware about fixing the sewing needle, threading, adjusting thread tension, checking of stitch formation, etc. The knowledge of operationalisation of sewing machine is also important.

## Measuring Tools

Accurate measurement are needed for making correct pattern to ensure proper fitting of the garment. Different type of measuring tools which help to do the job properly are as follows.

### Measuring tape:

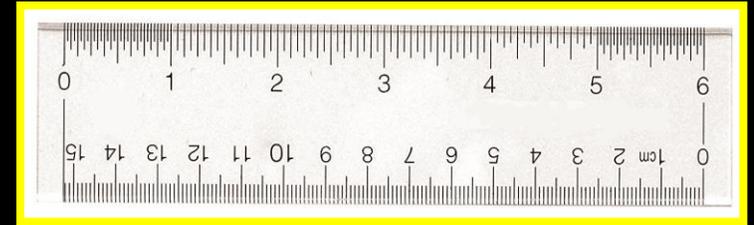
➤ It is a metal tipped cotton or plastic tape to take measurements. Generally, the size of a measuring tape is  $\frac{1}{2}$  inch to  $\frac{1}{4}$  inch wide, 60 inches long and has  $\frac{1}{8}$  divisions.



# Measuring Tools

## Ruler:

- A ruler is convenient for measuring small measurements.
- A transparent ruler is used to draw straight lines or bias lines.



## Yardstick:

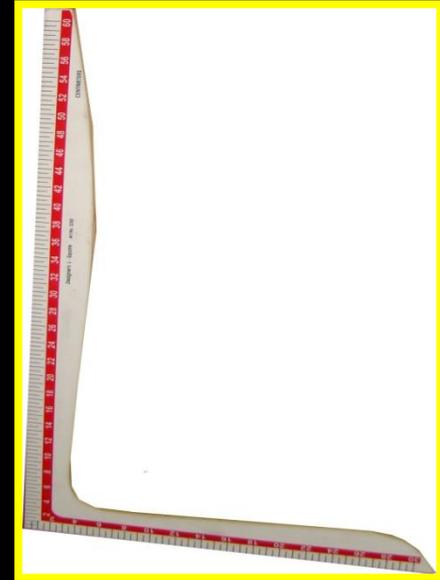
- It is a flat wooden tool with markings at regular intervals.
- Yardsticks are very useful to draw long seam lines on paper or fabric.



# Measuring Tools

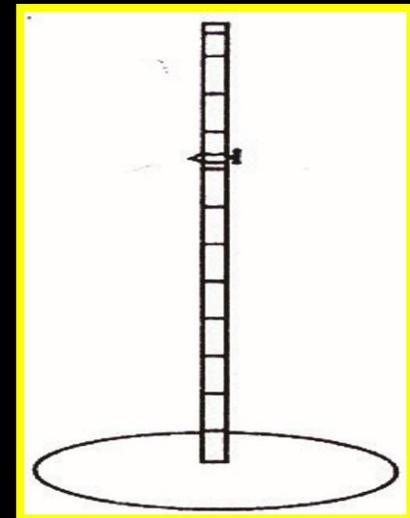
## L-square:

- It is an L-shaped wooden or metal ruler.
- It is very useful during the process of straightening the fabric to check whether the corners of the fabric have got a right-angled structure.



## Hem or skirt marker:

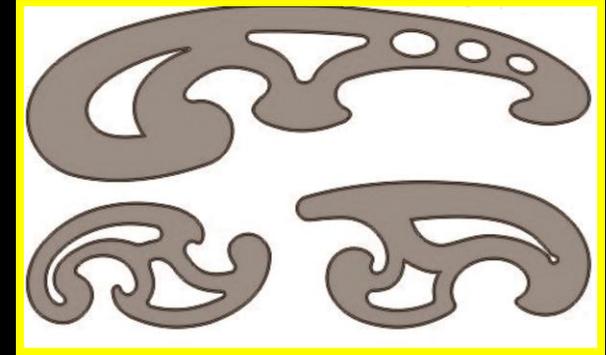
- It is adjustable and is used as a measuring guide for marking width.
- It is used to mark the hem length accurately.



## Measuring Tools

### French curves:

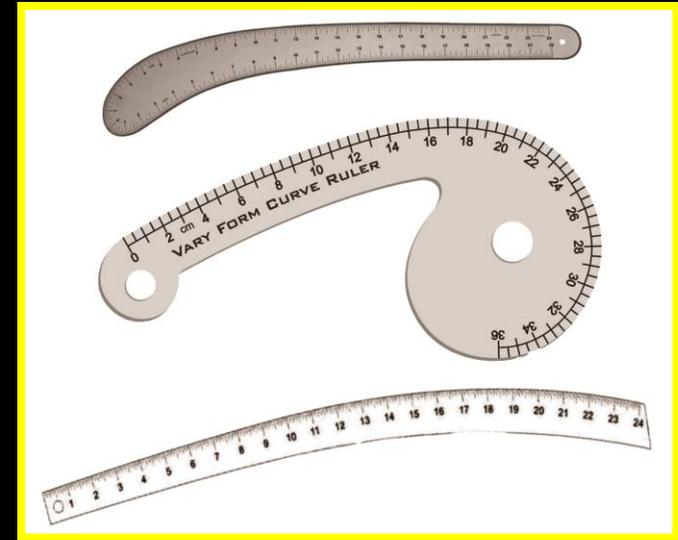
- In garment making, French curves are mainly used for pattern drafting, pattern alteration and for shaping the armhole and neckline.
- It is used in making drafts to draw smooth curves of varying radii.



# Measuring Tools

## Vary form curve:

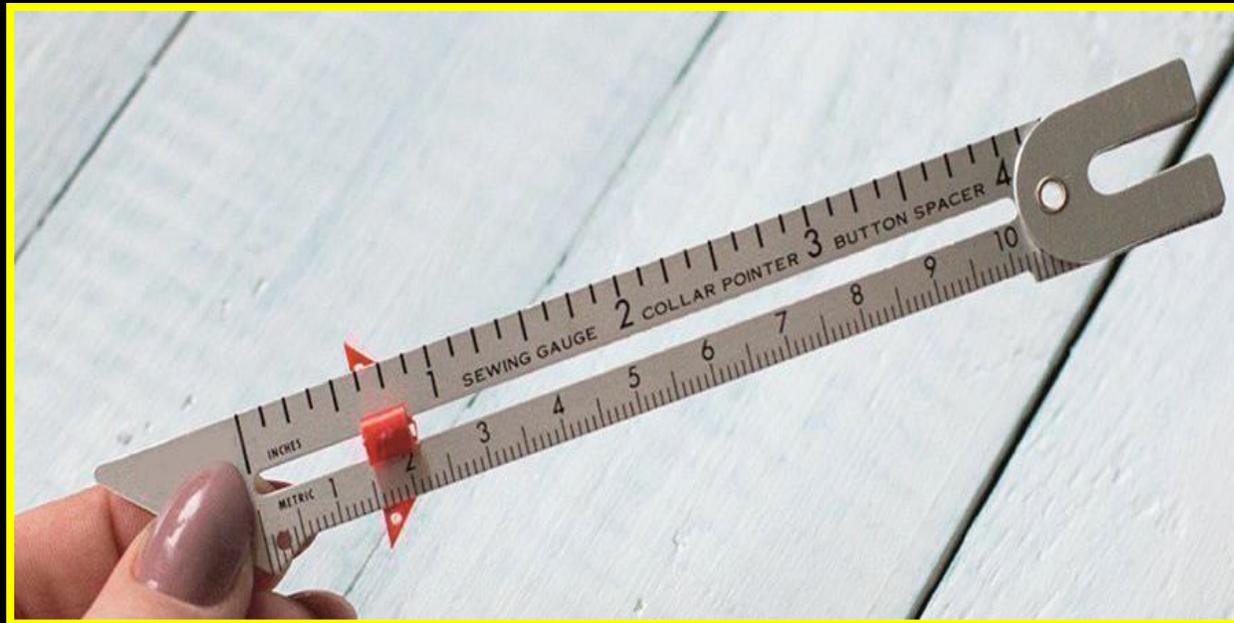
- This tool is used by pattern makers, graphic artists, illustrators, etc., to sketch smooth curved lines.
- They are especially helpful to the pattern makers for drawing more defined curves of the neckline, collar design, sleeve caps, pocket contour, armhole, elbow, etc., or when a specific contour is required.



# Measuring Tools

## Seam or sewing gauge:

- It is a small 6-inch metal ruler that has a sliding distance indicator.
- It can take exact measurements of small portions such as hems, pleats, and buttons.



## Marking Tools

The printed symbols and markings on the patterns must be transferred to the fabric to accurately match the seams and position of pockets, folds, button holes, darts, tucks and pleats. These tools are useful for transfer the marking on fabrics.

### Tracing wheel:

- It helps in marking the measurements and pattern on the wrong side of the fabric using tracing paper.



## Marking Tools

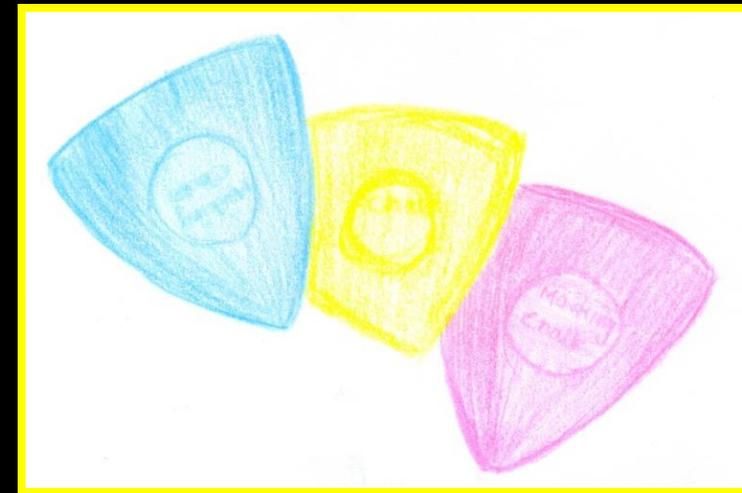
### Tracing papers & sheets:

- It is use with the tracing wheel/pen/pencil to transfer pattern markings to the wrong side of the fabric.



### Tailor's chalk:

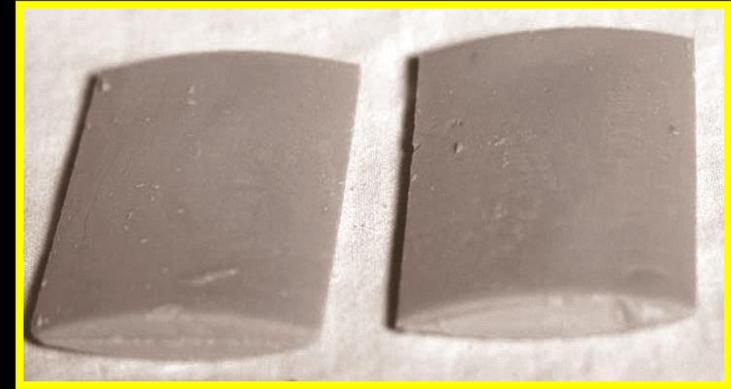
- It is made of coloured powder that is used to transfer markings on to the fabric.
- It is also available in the form of a pencil.



## Marking Tools

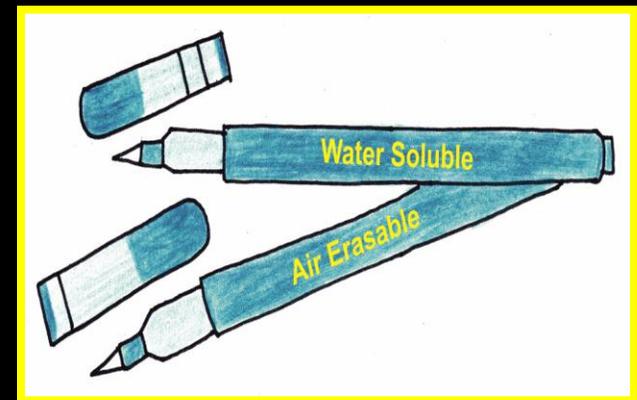
### Tailor's wax:

- It is especially suitable for use on wool or worsted materials.
- The marks produce can only be removed from the fabric with heat or laundering.



### Fabric-marking pens:

- These pens are specifically used for marking designs.
- Such pens are air erasable or water soluble. Air-erasable pens are especially used for dressmaking, shoe making, handicraft, embroidery, etc., for temporary markings.



# Marking Tools

## Pins:

- These pins are mainly made of stainless steel or brass.
- Its main function is to hold the paper or fabric in position during marking, cutting and stitching.



# Summary

In this session, you have learnt about the measuring and marking tools used in garment construction.

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