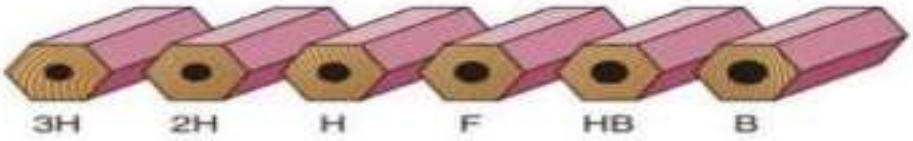
Engineering Graphics

Topic : Introduction

Lecture No : 1

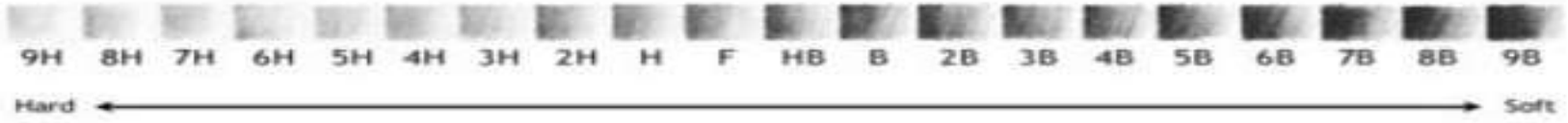
INTRODUCTION & DEMONSTRATION :

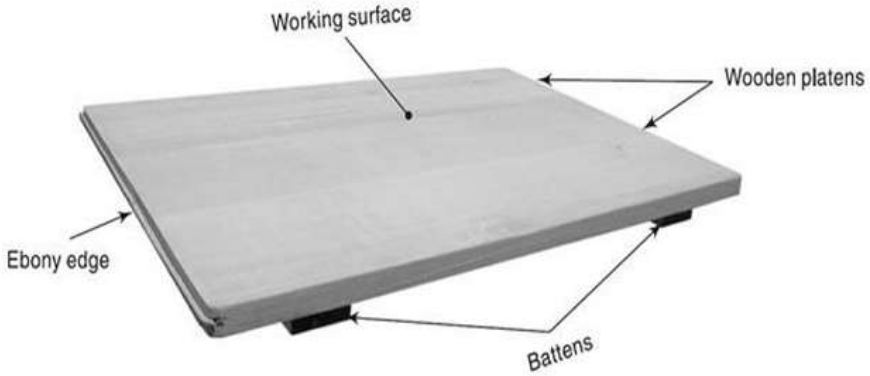
Engineering drawing is a two dimensional representation of three dimensional objects. In general, it provides necessary information about the shape, size, surface quality, material, manufacturing process, etc.



MEDIUM

The medium grades are used for general use on technical drawings. The harder grades are for instrument drawings and the softer for sketching.



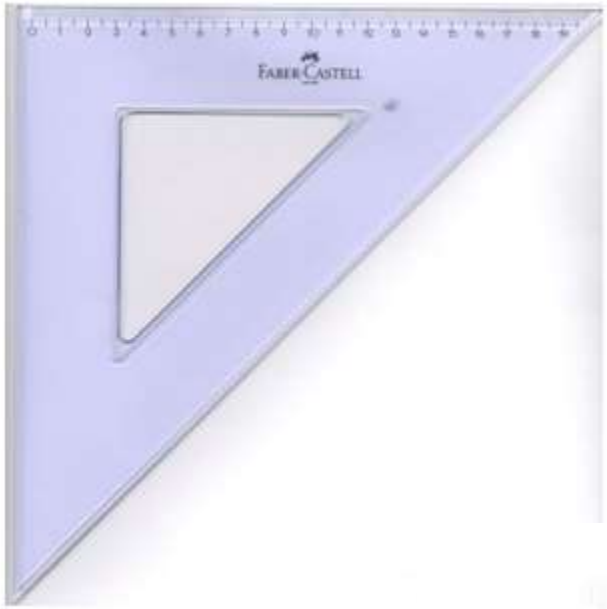


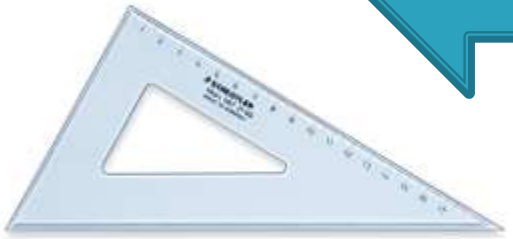
Drawing Board

	Designation	Size (mm)
1	D0	1500 x 1000 x 25
2	D1	1000 x 700 x 25
3	D2	700 x 500 x 15
4	D3	500 x 350 x 15

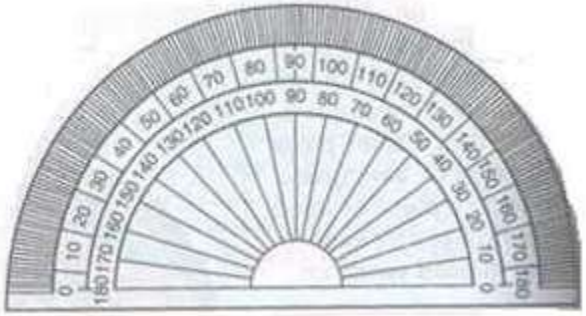
Drawing Clips :

They are used to fix the drawing sheet firmly in position to the drawing board as one construct the drawing. Both drawing clips and drawing pins serve the same purpose. They are generally made up of steel or plastic.





Set Square



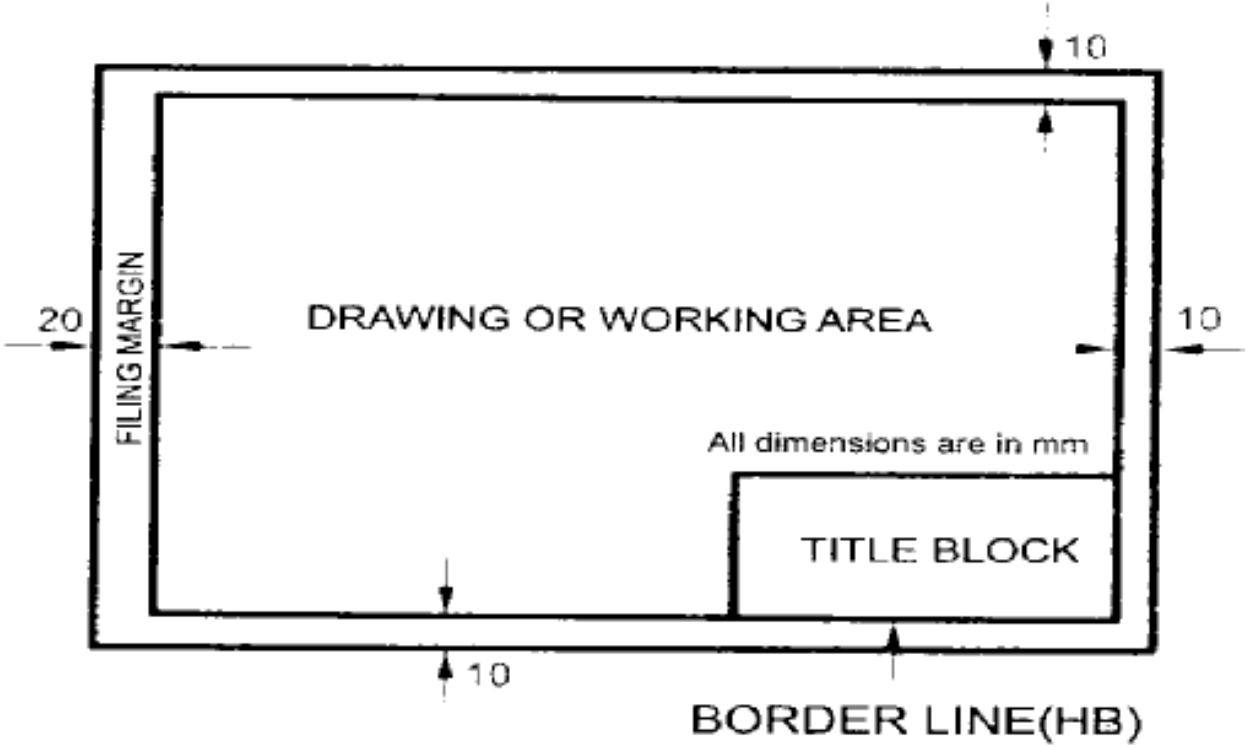
Semi Circular Protractor

Drawing Sheet:

Designation	Dimension in mm (Trimmed Size)
A0	841 X 1189
A1	594 X 841
A2	420 X 594
A3	297 X 420
A4	210 X 297

A5 sheet Dimension is 148 x 210 mm

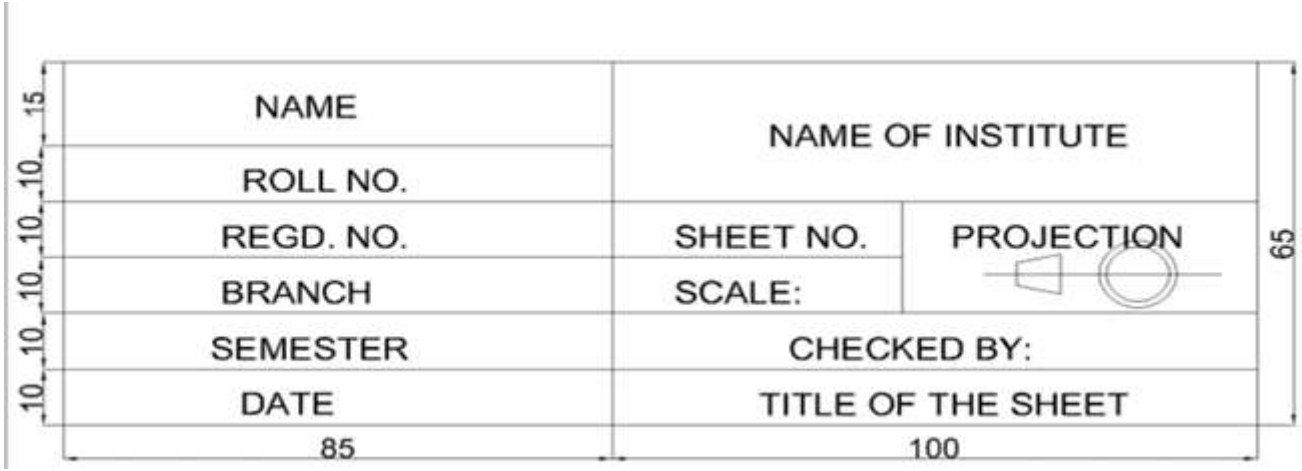
Layout Sheet for Class Work :



Method of folding of printed drawing sheets as per BIS SP: 46-2003

TITLEBLOCK :

The title block should lie within the drawing space at the bottom right hand comer of the sheet. The title block can have a maximum length of 185 mm and width of 65 mm providing the following information. □ Title of the drawing. □ Drawing number. □ Scale. □ Symbol denoting the method of projection. □ Name of the firm, and □ Initials of staff, who have designed, checked and approved.



TITEL BLOCK FOR CLASS WORK

Best Of Luck Our Future Engineers