

Selection of Views, additional views for the following machine elements and parts with every drawing proportions.

- a) Thread profiles, Hexagonal nut and bolt (General method), Other forms of bolts,
- b) machine screws and cap screws , Foundation bolts, Other forms of nuts.
- c) Cottered joint (any one) and knuckle joint.
- d) Riveted joints (one lap joint and one butt joint)
- e) Shaft couplings (any two).
- f) Pedestal bearing (Plummer Block).
- g) Involute tooth profile

ASSEMBLY DRAWINGS (using CAD Software):

- a) Stuffing box
- b) Petrol engine piston
- c) Screw jack
- d) Petrol engine connecting rod

Learning resources

Text books:

1. Machine Drawing, (3rd Edition) by K.L.Narayana, P.Kannaiah & K. Venkata Reddy, New Age International Pvt.Ltd, New Delhi, , 2006.
2. Machine Drawing with Auto CAD, (1st edition) by Gowtham Pohit and Goutam Ghosh, Pearson Education, Delhi, 2004.

Reference books:

1. Machine Drawing, by R.K.Dhawan, S.Chand Publications, New Delhi, 1996.
2. Machine Drawing by K.C.John, PHI Learning Pvt.Ltd.,New Delhi, 2009.