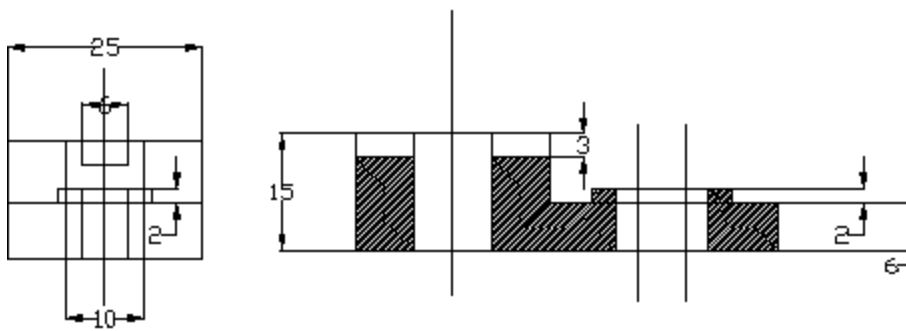


**Bapatla Engineering College::Bapatla
Mechanical Engineering
Machine Drawing(14ME306)**

Section-I

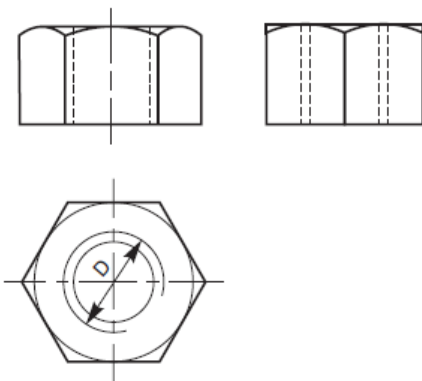
1.

A-A



Sectional Front view =9M
Right side view =6M

2.



Empirical relations:

Major or nominal diameter of bolt =D
Thickness of nut, T =D
Width of the nut =2D
Radius of nut, T =1.5D

Front view =4M
Top view =4M
Side view =4M
Proportions =3M

Section-II

3.

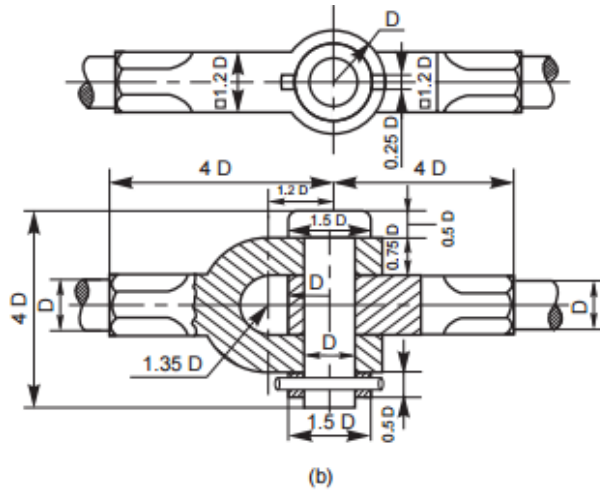


Fig. 6.15 Knuckle joint

(the above problem is shown in third angle projection)

Front view -8M
 Top view -5M
 Proportions -2M

4.

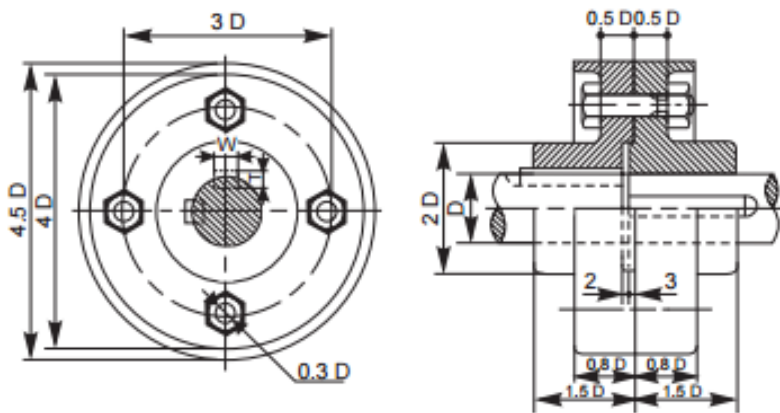


Fig. 7.5 Protected flanged coupling

Front view -8M
 Side view -5M
 Proportions -2M

Section-III

5.

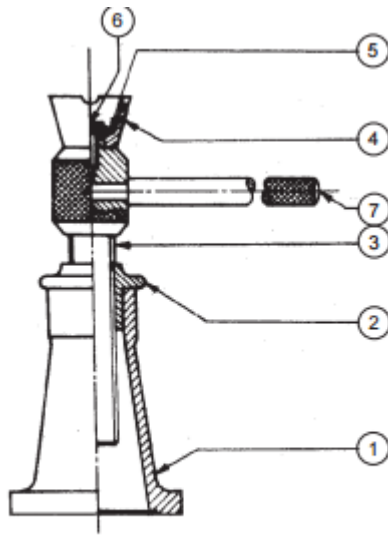
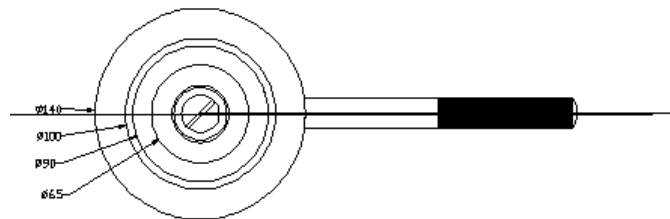


Fig. 18.51A Screw jack



Half sectional front view -15M
Top view -10M
dimensions -3M
Parts location -1M
Bills of materials table -2M

Prepared by
V Srinivasulu
Assistant Professor
Dept. of Mechanical Engineering
BEC, Bapatla
9493267382.