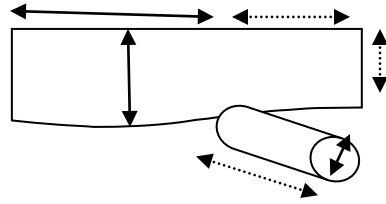
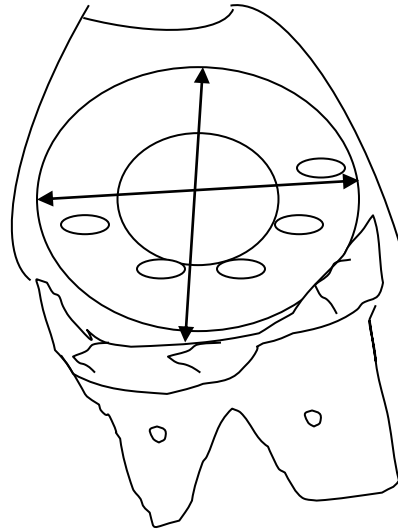




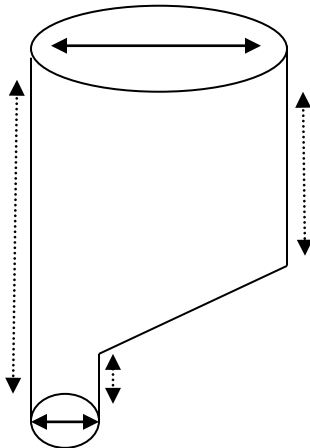
SURFACE AREA CALCULATION SHEET (COMPRESSION MACHINE 27 STATION)



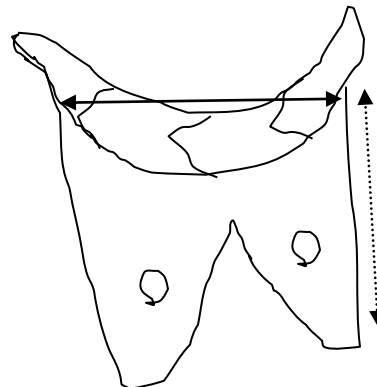
Discharge chute



Turret with Feed Frame



Hopper



Feed Frame



SURFACE AREA CALCULATION SHEET (COMPRESSION MACHINE 27 STATION)

SURFACE AREA OF COMPRESSION MACHINE:

Surface Area of Feeder Frame (2 nos.)

Let assume Feeder Frame as Rectangular

Length =cm

Width = cm

Surface area = L x W

Total Area=.....inch²

Surface Area of Turret

Diameter =cm

Surface Area = $\pi \times r^2$

Surface Area of Hopper

Area of cylindrical shape

Diameter = ... cm

Height = cm

Surface area = $(2 \times \pi \times r \times h) + (2 \times \pi \times r^2)$

Surface area of Lower Trapezium shape

B1= B2= cm Height =cm

Surface Area = $B1+B2/2 \times H$

Surface area of cylindrical shape

Length =cm

Diameter =.....cm

Surface area = $(2 \times \pi \times r \times h) + (2 \times \pi \times r^2)$

Total area of hopper = $511.04 + 83.7 + 16.05 = 610.8 \text{ inch}^2$



SURFACE AREA CALCULATION SHEET (COMPRESSION MACHINE 27 STATION)

Surface area of Exit Chute

Surface area of Rectangular shape

Length = cm Width=..... cm

Area= LxW

Surface area of lower rectangular shape

Length = cm Width=..... cm

Area= LxW

Surface area of lower cylindrical shape

Length=cm Diameter= cm

Surface area = $(2 \times \pi \times r \times h) + (2 \times \pi \times r^2)$

Total area of exit chute=inch²

Total surface area of compression machine

=.....inch²