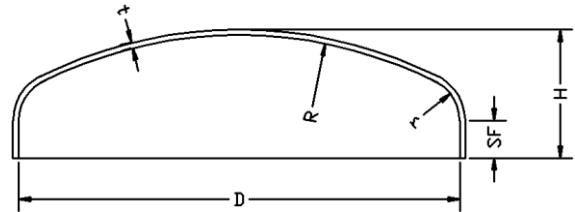# DISH HEADS

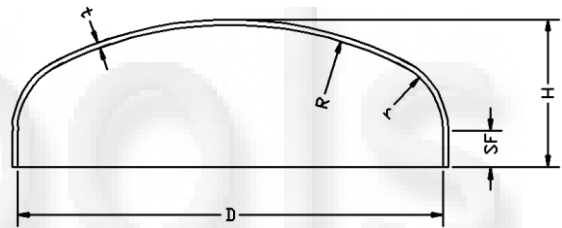## (As per Sec. VIII, UG- 32)

1. Torispherical Heads - 10%

Crown radius (R) = Diameter (D)
Knuckle radius (r) = D/10
Height (H) = D x 0.194 + SF + t
Blank Dia. = D x 1.11 + 2SF

Volume (SF are not included) :–
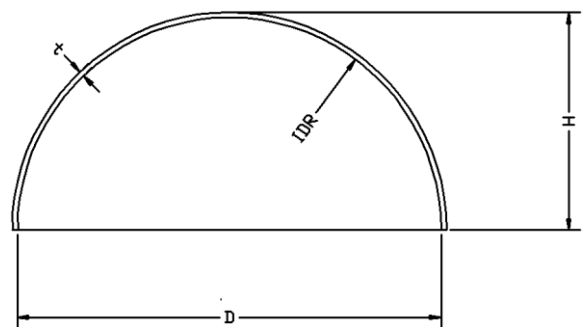$[D/12]^3$ x 0.582

2. Ellipsoidal Heads - 2:1

Crown radius (R) = 0.90D
Knuckle radius (r) = 0.17D
Height (H) = D x 0.25 + SF + t
Blank Dia. = D x 1.15 + 2SF

Volume (SF are not included) :–
$[D/12]^3$ x 0.954

3. Hemispherical Heads

Inside Dish Radius (IDR) = D/2
Height (H) = D/2 + t
Blank Dia. = πD/2

Volume:–
$[D/12]^3$ x 1.958