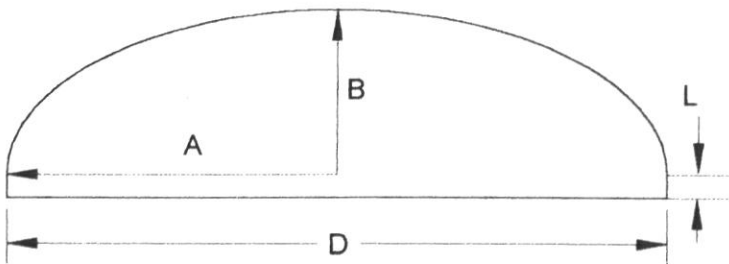


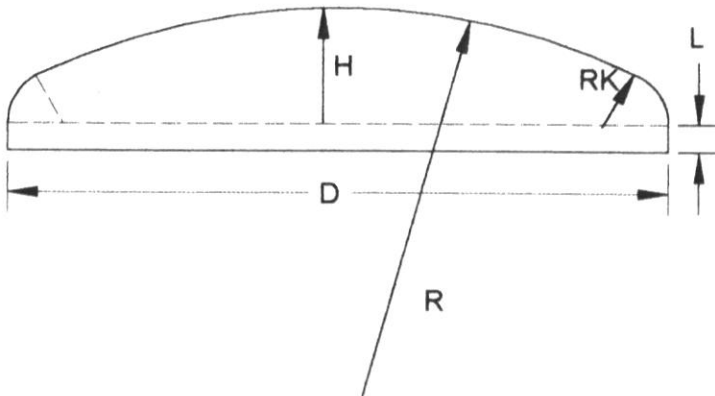
## SPECIALTY HEADS

### Insulation Materials



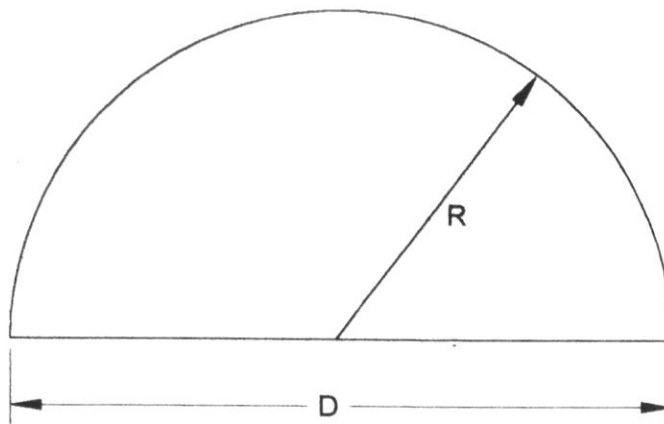
2 : 1 SEMI-ELLIPTICAL HEADS  
 D = TANK DIAMETER  
 A = D/2 (MAJOR AXIS)  
 B = A/2 (MINOR AXIS)  
 L = STRAIGHT FLANGE

### TANK MANUFACTURER AND DRAWING OR DRAWING NUMBER REQUIRED



F & D (FLANGED AND DISHED) HEADS  
 D = TANK DIAMETER  
 H = HEIGHT ABOVE TANGENT  
 R = DISH OR CROWN RADIUS  
 R = 80% TO 100% D  
 RK = RADIUS OF KNUCKLE = 0% TO 20% D  
 L = STRAIGHT FLANGE

SOME HEADS APPROXIMATE 2 : 1 ELLIPTICAL  
 WITH R = 80% D, RK = 10% TO 20% D



HEMISPHERICAL HEAD  
 D = DIAMETER  
 R = RADIUS = D/2