

## 2:1 ELLIPSOIDAL DISHED HEAD

### Size and Thickness of Heads

OD	NOMINAL PLATE THICKNESS																	
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
mm																		
500-900	x	x	x	x	x	x	x	x	x	x								
950-2000		x	x	x	x	x	x	x	x	x	x	x	x					
2050-3000			x	x	x	x	x	x	x	x	x	x	x	x	x			
3050-4000				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4050-6000				x	x	x	x	x	x	x	x	x						

OD: Outside Diameter

h : Internal height (excluding SF)

R : Internal Crown Radius

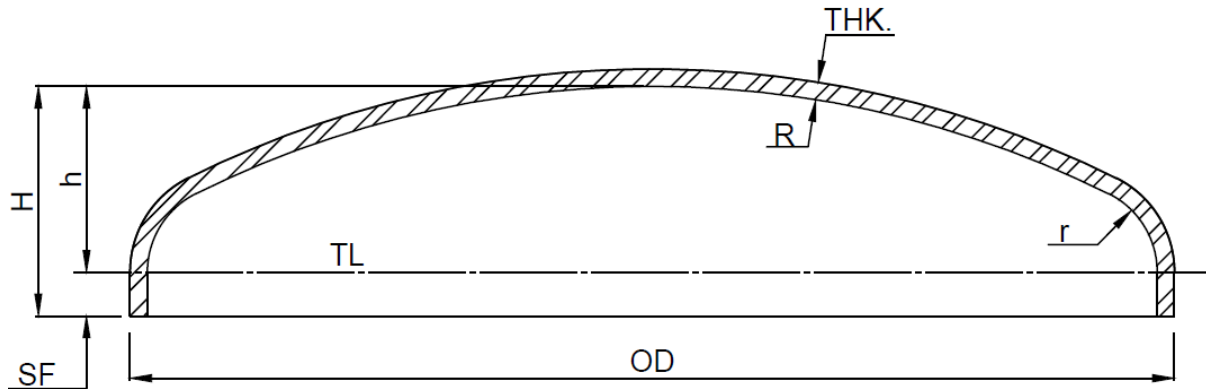
SF : Straight Flange

r : Internal Knuckle Radius

TL : Tangent Line

H : Inside Depth of dish (h+SF)

THK.: Nominal Thickness



## TORISPHERICAL HEAD

### Size and Thickness of Heads

OD	NOMINAL PLATE THICKNESS																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
mm																	
500-900	x	x	x	x	x	x	x	x	x	x	x						
950-2000	x	x	x	x	x	x	x	x	x	x	x	x	x				
2050-3000		x	x	x	x	x	x	x	x	x	x	x	x	x	x		
3050-4000			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4050-7500				x	x	x	x	x	x	x	x	x	x				

OD: Outside Diameter

h : Internal height (excluding SF)

R : Internal Crown Radius

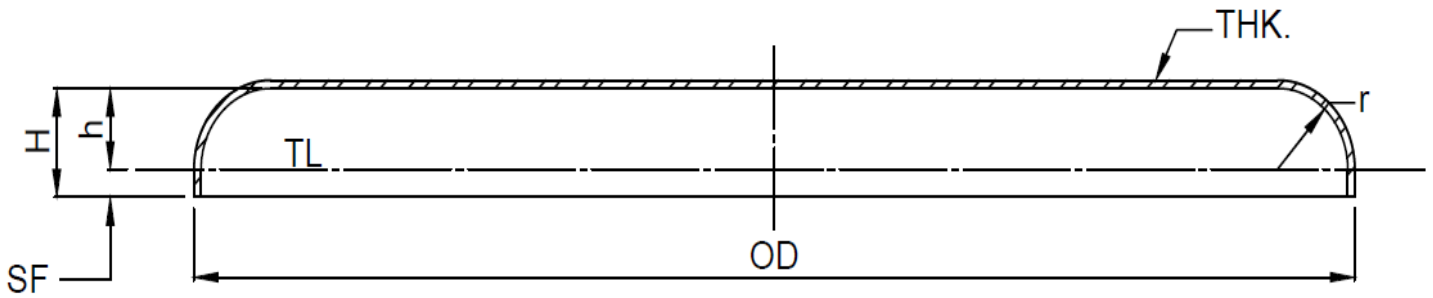
SF : Straight Flange

r : Internal Knuckle Radius

TL : Tangent Line

H : Inside Depth of dish (h+SF)

THK.: Nominal Thickness



## FLAT HEAD

### Size and Thickness of Heads

OD	NOMINAL PLATE THICKNESS													
mm	6	8	10	12	14	16	18	20	22	24	26	28	30	32
600-900	x	x	x	x	x	x								
950-2000		x	x	x	x	x	x	x	x	x				
2050-3000		x	x	x	x	x	x	x	x	x	x	x	x	x
3050-4000				x	x	x	x	x	x	x	x	x	x	x

OD: Outside Diameter

h : Internal height (excluding SF)

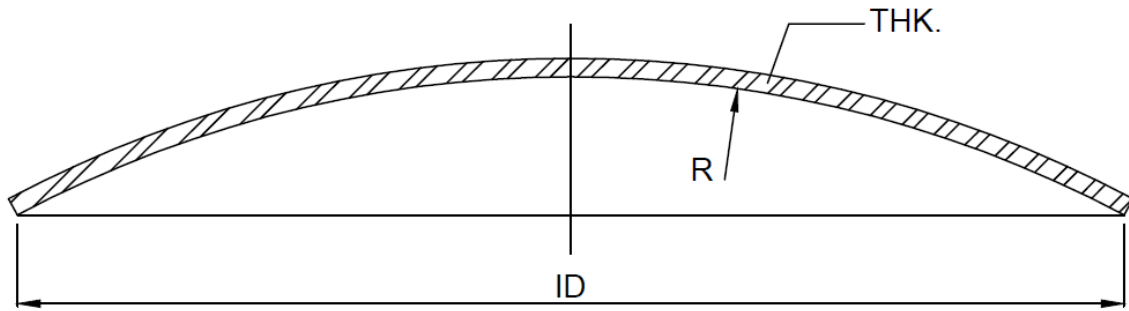
SF : Straight Flange

THK.: Nominal Thickness

r : Internal Knuckle Radius

TL : Tangent Line

H : Inside Depth of dish (h+SF)



## DISHED HEAD

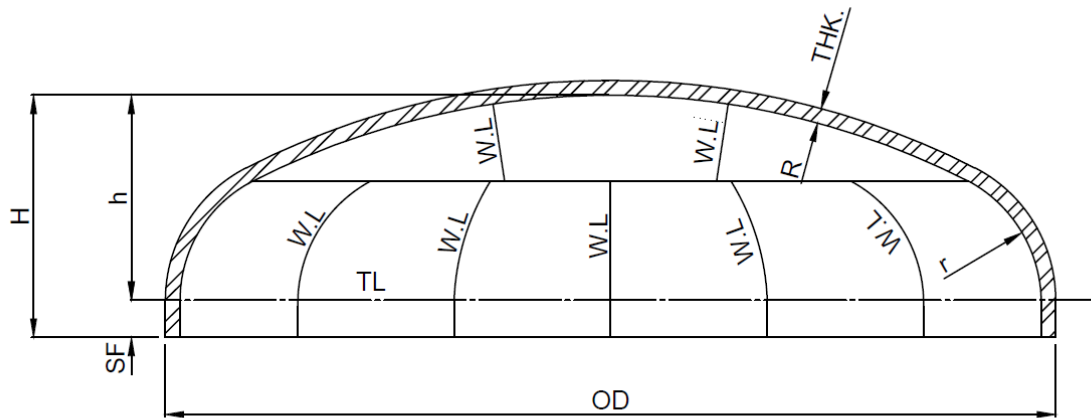
### Size and Thickness of Heads

OD	NOMINAL PLATE THICKNESS															
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
mm																
500-900	x	x	x	x	x	x	x	x	x	x						
950-2000		x	x	x	x	x	x	x	x	x	x	x	x			
2050-3000			x	x	x	x	x	x	x	x	x	x	x	x	x	
3050-8000			x	x	x	x	x	x	x	x	x	x	x	x	x	x

ID: Inside Diameter

R : Internal Crown Radius

THK.: Nominal Thickness



## 2:1 ELLIPSOIDAL DISHED HEAD Multi-segment

### Size and Thickness of Heads

OD	NOMINAL PLATE THICKNESS																		
mm	26	28	30	32	34	36	38	40	42	44	46	48	50	55	60	65	70	75	80
500-900	x	x	x	x	x	x	x	x	x	x	x	x	x						
950-2000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
2050-3000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3050-15000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

OD: Outside Diameter

h : Internal height (excluding SF)

R : Internal Crown Radius

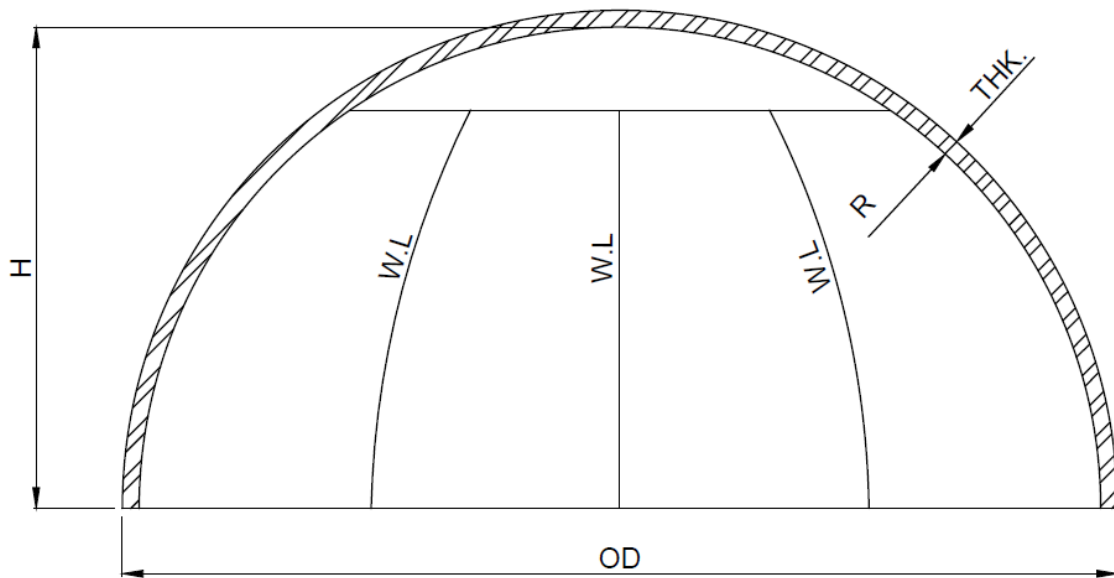
SF : Straight Flange

r : Internal Knuckle Radius

TL : Tangent Line

H : Inside Depth of dish (h+SF)

THK.: Nominal Thickness



## HEMISPHERICAL HEAD

### Size and Thickness of Heads

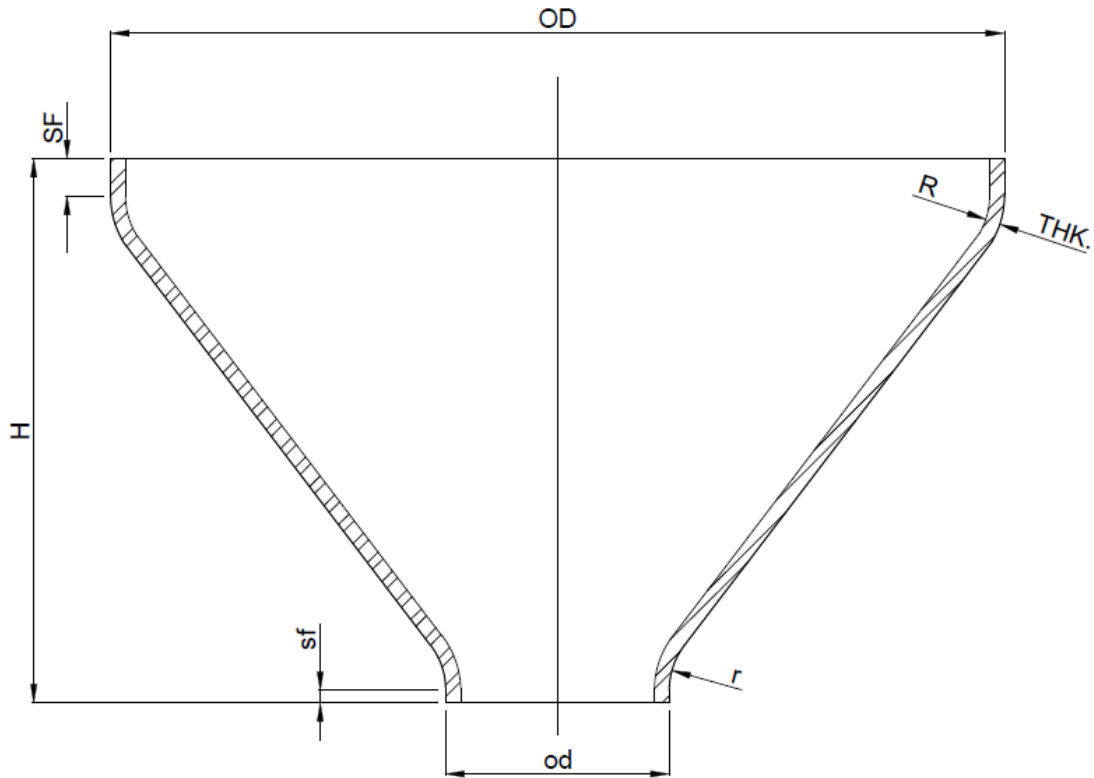
OD	NOMINAL PLATE THICKNESS															
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
mm																
500-900	x	x	x	x	x	x	x	x	x	x						
950-2000		x	x	x	x	x	x	x	x	x	x	x				
2050-3000		x	x	x	x	x	x	x	x	x	x	x	x	x	x	
3050-25000			x	x	x	x	x	x	x	x	x	x	x	x	x	x

OD: Outside Diameter

R : Internal Radius

H : Inside Depth of head

THK.: Nominal Thickness

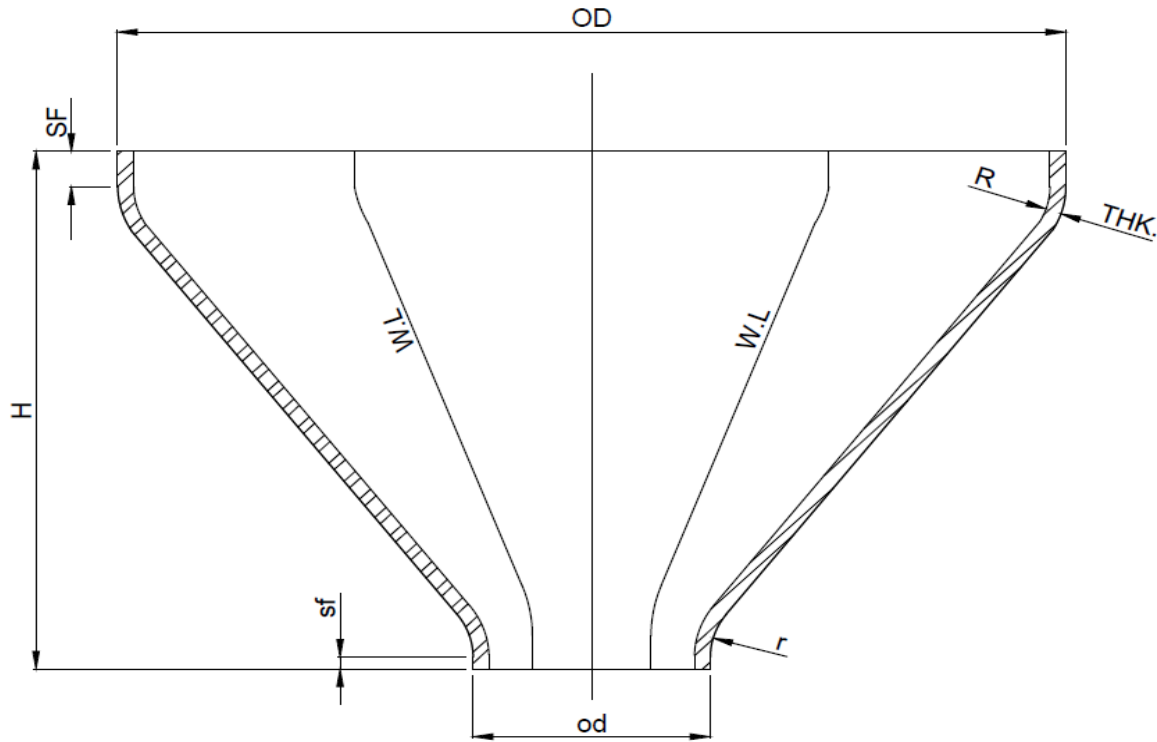


## TORICONICAL HEAD

### Size and Thickness of Toriconical Head

OD	NOMINAL PLATE THICKNESS																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
mm																	
500-900	x	x	x	x	x	x	x	x	x	x							
950-2000		x	x	x	x	x	x	x	x	x	x	x	x				
2050-3000			x	x	x	x	x	x	x	x	x	x	x	x			
3050-4000				x	x	x	x	x	x	x	x	x	x	x	x	x	x

OD : bigger Outside Diameter      od : Smaller Outside Diameter  
 SF : Up Straight Flange              sf : Down Straight Flange  
 R : Internal Knuckle Radius        H : Height of toriconical  
 THK. : Nominal Thickness            r : External Knuckle Radius



## TORICONICAL HEAD Multi-segment

### Size and Thickness of Toriconical Head

OD	NOMINAL PLATE THICKNESS																			
	26	28	30	32	34	36	38	40	42	44	46	48	50	55	60	65	70	75	80	
500-900	x	x	x	x	x	x	x	x	x	x	x	x	x							
950-2000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
2050-3000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
3050-15000	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

- OD : bigger Outside Diameter      od : Smaller Outside Diameter
- SF : Up Straight Flange              sf : Down Straight Flange
- R : Internal Knuckle Radius        H : Height of toriconical
- THK. : Nominal Thickness            r : External Knuckle Radius