

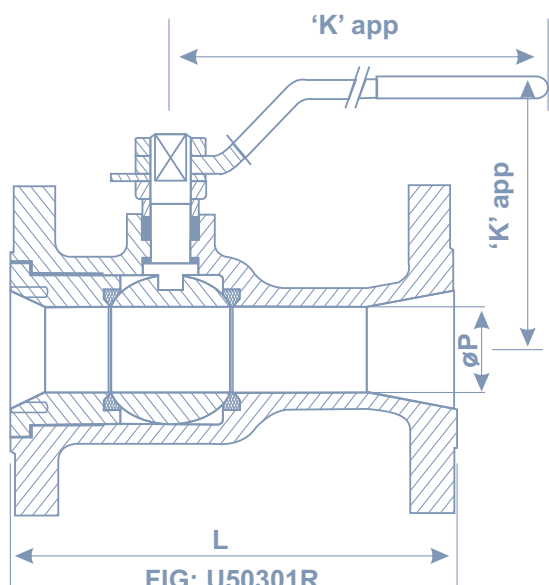
**BALL VALVE FLOATING I-PIECE FIRE SAFE DESIGN REDUCE BORE CLASS 150 / 300**



**MATERIAL SPECIFICATIONS**

NO.	Part Name	Material		
1.	Body	A 216 GR WCB	A 216 WCB	A 351 GR CF8/M
2.	Ball	T304/CF8		T316/CF8M
3.	Seat	PTFE		
4.	Spindle	SS 410/SS 304	SS 304	SS 304
5.	Gland Bush	SS 410/SS 304	T 304	T 316
6.	Handle	STEEL WITH PVC CAP		
7.	Handle Nut	STEEL	T304	
8.	Stud & Nut	B7/2H		
9.	Gasket	PTFE		
10.	Gland Packing	PTFE		
11.	Bottom Washer	PTFE		
12.	End Piece	WCB	CF8	CF8M
13.	Gland Nut	CARBON STEEL	T 304	F 316
14.	Name Plate	ALUMINIUM		
15.	Position Indicator	ALUMINIUM		

1 - Hollow Ball 3"NB AND ABOVE



**DIMENSION TABLE 300 CLASS**

Valve Size in mm	1 25	1.5 40	2 50	2.5 65	3 80	4 100	6 150
L	6.5 165	7.5 190	8.5 216	9.5 241	11.1 283	12.0 305	15.9 403
'H' app	95	100	125	140	175	195	235
'K' app	220	220	220	320	320	385	500
øP	17	28	36	50	57	75	98
Wt. kg app (F/E)	6	9	16	29	33	45	85

**TESTING DETAIL 150**

Hydrotest {KG/CM <sup>2</sup> }	
Shell	31
Seat and Back Seat	22
Seat Air Test	07

**TESTING DETAIL 300**

Hydrotest {KG/CM <sup>2</sup> }	
Shell	79
Seat and Back Seat	58
Seat Air Test	07

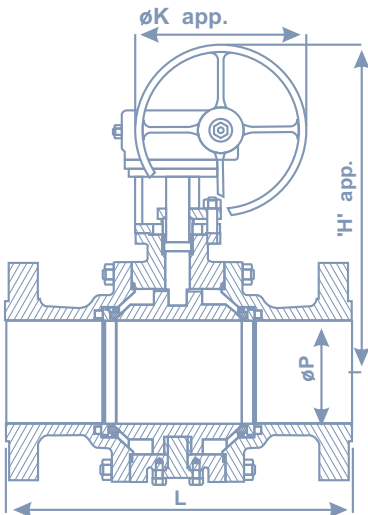
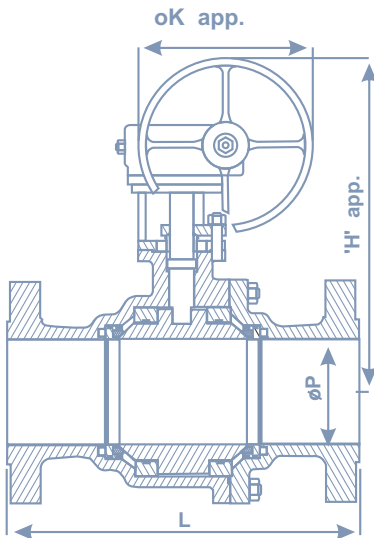
**DIMENSION TABLE 150 CLASS**

Valve Size in mm	1 25	1.5 40	2 50	2.5 65	3 80	4 100	6 150
L	5.0 127	6.5 165	7.0 178	7.5 190	8.0 203	9.0 229	10.5 267
'H' app	95	100	125	140	175	195	235
'K' app	220	220	220	320	320	385	500
øP	17	28	36	50	57	75	98
Wt. kg app (F/E)	3	6	8.5	17	21	30	42

**REF STANDARDS**

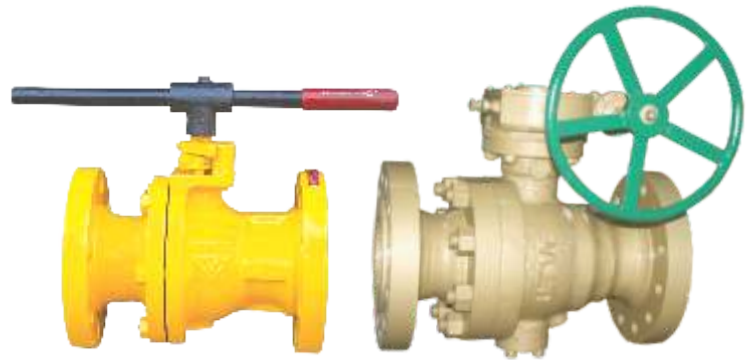
MFG. AND DESIGN :BS 5351
FACE TO FACE : ANSI B 1610
FLANGE DETAIL : ANSI B16.5
INSPECTION AND TESTING:AP1598/BS6755

## BALL VALVE TRUNNION MOUNTED CLASS 300/600



### TESTING DETAIL 300

Hydrotest {KG/CM <sup>2</sup> }	
Shell	79
Seat	58
Seat Air Test :	7



### MATERIAL SPECIFICATIONS

NO.	Part Name	Material		
1.	Body	WCB / A105	CF8 304	CF8M 316
2.	Yoke	WCB / A105	CF8 304 / CF8M 316	
3.	Ball	CF8 304	CF8 316	
4.	Seat	PTFE		
5.	Spindle	T410 / T304	T304	T316
6.	Gland Bush	T410 / T304	T304	T316
7.	Gland Flange	Carbon Steel		
8.	Hand Wheel	Carbon Steel		
9.	Stud & Nut	B7/2H		
10.	Gland Stud & Nut	B7/2H	B8/8	
11.	Yoke Stud & Nut	B7/2H		
12.	Mounting Bolts	B7		
13.	Trunion Stud & Nut	B7/2H		
14.	Gasket	SPW SS 304/316 With PTFE Filler		
15.	Gland Packing	PTFE		
16.	Gbottom Washer	PTFE		
17.	End Piece	WCB	CF8	CF8M
18.	Name Plate	Aluminium /SS		
19.	Seat Retainer	Carbon Steel	T304	T316
20.	Trunion Support			
21.	Gear Box Assly.	UTVC Make		
22.	Spring	S.S 304		S.S 306
23.	'O' Ring	Neoprene		
24.	Bottom Gasket	SPW SS 304/ 316 With PTFE Filler		

- 1- HOLLOW BALL 3"NB AND ABOVE.
- 2- LEVER OPERATION UP TO 4"NB, GEAR OPERATION 6"NB AND ABOVE.
- 3- TRUNNION MOUNTED BALL AS PER REQUIREMENT.

### DIMENSION CHART 300

Valve Size in mm	2 50	2.5 65	3 80	4 100	6 150	8 200
L	216	241	282	305	403	502
'H' app	135	150	170	190	300	360
øp	49	64	75	98	148	198
Wt. kg app (F/E)	18	28	35	55	110	235

### DIMENSION CHART 600

Valve Size in mm	1.5 40	2 50	2.5 65	3 80	4 100	6 150	8 200
L	9.5 241	11.5 292	13.0 330	14.0 356	17.0 432	22.0 559	26.0 660
'H' app	220	135	150	200	250	450	500
øp	37	49	64	75	98	148	198
Wt. kg app (F/E)	22	30	55	55	75	165	325

### TESTING DETAIL 600

Hydrotest {KG/CM <sup>2</sup> }	
Shell	157
Seat	114
Seat Air Test :	7