

York Valves



Precesion Engineering



BALL VALVE

<http://www.yorkvalves.com>



- FORGED STEEL VALVE
- CAST STEEL VALVE

BRIEF INTRODUCTION

YORK VALVES



We are specialists in supplying various standards cast, forged and stainless steel valves and fittings in the UK. All produced products adhere to rigorous testing standards prior to shipment.

Our product range adhere to the following :

Standard: ANSI Standard, BS Standard, DIN Standard, JIS Standard etc.

Material: Cast Steel(A216-WCB, A352-LCB, A217-WC1/WC5/WC6/WC9),

Forged Steel(A105, F5, F11, F22, LF2), Stainless Steel(A351 CF8/CF8M/CF3/CF3, A182 F304/F316/F304L/F316L), Alloy steel(ALLOY20), Titanium alloy etc.

Size: from 1/2 inches to 48 inches from 15mm~1200mm.

Valve: Gate valve, Globe valve, Check valve, Ball valve, Butterfly valve,

Plug valve, Choke valve, Needle valve, Knife gate valve, resilient gate valve, bellow globe valve etc.

Connect: Flanged ends, Butt-welding ends, Socket welding ends, Threaded ends etc.

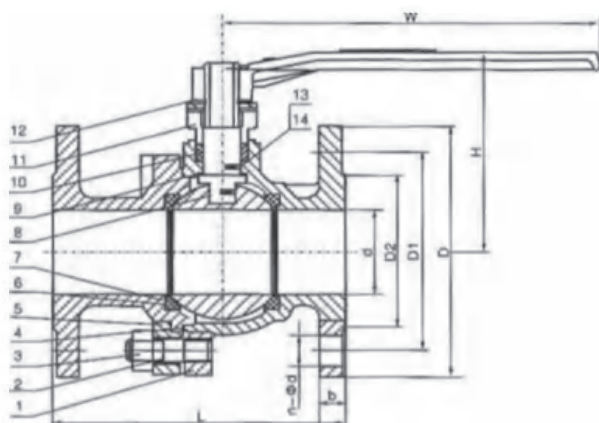
Pressure grade: ANSI CLASS 150, CLASS 300, CLASS 600, CLASS 800, CLASS 900, CLASS 1500, CLASS 2500, DIN PN6, PN10, PN16, PN25, PN40, PN64, PN100, PN160, JIS 5K, 10K, 20K etc.

Moreover, we are also engaged in processing trade; We can manufacture the products exactly as per the customer's specific requirements such as nominated trademark and marking, the customer's own technical drawings, etc.

Look forward to having a chance to serve your esteemed company.



[Http://www.yorkvalves.com](http://www.yorkvalves.com)

Cast Steel Ball Valve-Floating Ball Type
Class 150/300/600


2-PC.FB or RB, Blowout-proof stem Fire-safe, Anti-static.

Design and manufacture: API 6D, API 608

ANSI B 16.34 or BS5351

Test and inspection: API 6D, API 598.

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Butt-welding end: ANSI B16.25

Fire safe: API 607, API 6FA

Size: 1/2" ~ 12"

Material: WCB, LCB, CF8, CF8M, CF3 and CF3M etc.

Material of Body/Bonnet and Trim

Body/bonnet	WCB, LCB, LCC, WC1, WC6, WC9, C5, C12, CF8, CF8M, CF3 and CF3M etc.
Ball	SS304/SS316/S304L/SS316L
Seat	PTFE, NYLON, METAL TO METAL

Type of operation: hand wheel, gear electric or pneumatic actuator etc.

Standard Material of part

No.	Part	Material
1	R-Body	ASTM A216 WCB
2	Bonnet bolt	ASTM A193 B7
3	Bonnet nut	ASTM A194 2H
4	Gasket	PTFE
5	L-body	ASTM A216 WCB
6	Ball	SS304
7	Seat ring	PTFE
8	Stem	ASTM A182 F6
9	Stem seat	PTFE
10	Stem packing	PTFE
11	Gland flange	ASTM A216 WCB
12	Lever	CAST STEEL
13	Small ball	SS304
14	Small spring	SS304

Cast Steel Ball Valve-Floating Ball Type

Class 150/300/600



**YORK
VALVES**

Dimensions(in mm&inch)and Weight

Class 150

DN	15	20	25	40	50	65	80	100	150	200	1250	350
NPS	1 1/2	3/4	1	1.1 1/2	2	2.1 1/2	3	4	6	8	10	12
L(RF)	108	117	127	165	178	191	203	229	394	457	533	610
LI(BW)	140	152	165	190	216	241	283	305	457	521	559	635
L2(RTJ)	119	129.7	139.7	178	191	203	216	241	406	470	546	622
H	59	63	75	95	153	165	195	213	272	342	495	622
Do(W)	130	130	160	230	400	400	600	850	1100	1500	*350	*350
RF(Kgs)	2.3	3	4.5	7	15	20	25	40	97	160	240	390
BW(Kgs)	2	2.5	3.8	5.8	12	17	21	36	92.8	154	227	365

"Gear Operation is recommended.

Class 300

DN	15	20	25	40	50	65	80	100	150	200	1250	350
NPS	1 1/2	3/4	1	1.1 1/2	2	2.1 1/2	3	4	6	8	...	...
L(RF)	140	152	165	190	216	241	283	305	403	502	...	...
LI(BW)	140	152	165	190	216	241	283	305	457	521	...	...
L2(RTJ)	151	164.7	177.7	202.7	232	257	298	321	419	518	...	...
H	59	63	75	107	153	165	195	213	272	342	...	...
Do(W)	130	130	160	230	400	400	600	850	1100	1500	...	...
RF(Kgs)	2.5	3.5	5.5	10.5	20	25	31	52	118	200	...	...
BW(Kgs)	2.1	3	4.8	8.7	17	22	28	48	105	185	...	...

"Gear Operation is recommended.

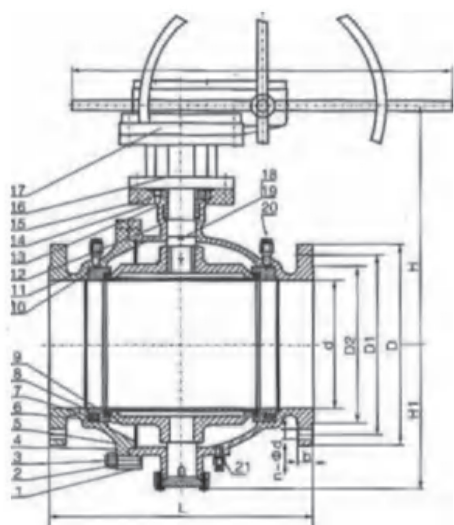
Class 600

DN	15	20	25	40	50	65	80	100	150	200	1250	350
NPS	1 1/2	3/4	1	1.1 1/2	2	2.1 1/2	3	...	...	...	...	...
L(RF)	165	190	216	241	292	330	356	...	...	...	...	...
LI(BW)	165	190	216	241	292	330	356	...	...	...	...	...
L2(RTJ)	163.4	190	216	241	295	333	359	...	...	...	...	...
H	59	63	75	107	153	165	195	...	...	...	...	...
Do(W)	130	160	160	230	600	850	1250	...	...	...	...	...
RF(Kgs)	7.5	10.5	14.5	18.5	38	56	66	...	...	...	...	...
BW(Kgs)	6	8.7	11	14.7	31	49	58	...	...	...	...	...

*Gear Operation is recommended.



**YORK
VALVES**

Cast Steel Ball Valve-Trunnion Ball Type
Class 150/300/600/900/1500

Two-piece type
Design and manufacture:ANSI B16.34 and API 600

Test and inspection:API 598 DIN3230

Face to face dimensions:ANSI B16.10 DIN3202

End flange dimensions:2"-24"to ANSI B16.5

26"-36"to B16.47 SERIES A

to B16.47 SERIES B

Butt-welding end:ANSI B16.25

Size:2"~36"

Material of Body/Bonnet and Trim

Body/bonnet	WCB,LCB,LCC,WC1,WC6.WC9,C5,C12,CF8,CF8M,CF3 and CF3M etc.
Ball	SS304/SS316/SS304L/SS316L
Seat	PTFE,NYLON,METAL TO METAL

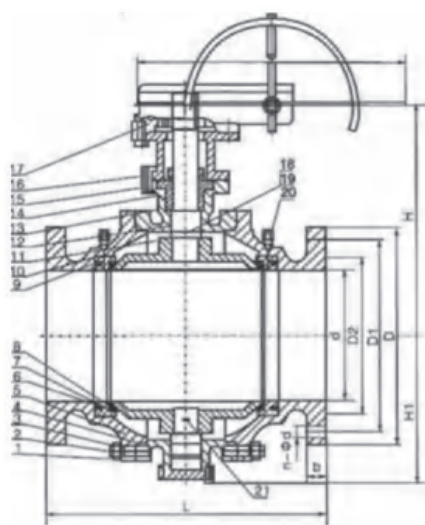
Type of operation:hand wheel,gear, electric or pneumatic actuator etc.

Standard Material of part

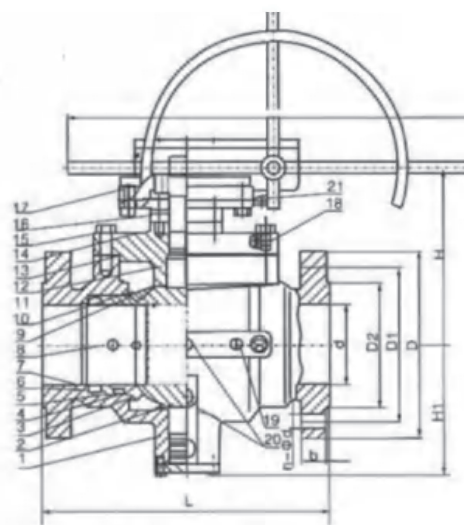
No .	Part	Material
1	Body	ASTM A216WCB
2	Bonnet bolt	ASTM A193 B7
3	Bonnet nut	ASTM A194 2H
4	Gasket	PTFE
5	Bonnet	ASTM A216WCB
6	Ball	SS304
7	Seat	ASTM A 182 F6
8	Spring	AISI6150
9	Seating	PTFE
10	O-ring	VITON
11	Stem	A 182 F6a
12	Stem-bearing	Cu-Pb Alloy
13	O-ring	VITON
14	Gland flange	ASTM A216WCB
15	Stem packing	PTFE or Flexible graphite
16	Yoke	ASTM A216WCB
17	Gear operation	Ductile iron
18	Small ball	SS304
19	Small spring	SS304
20	Injection fitting	
21	Plug	AISI1025

Cast Steel Ball Valve-Trunnion Ball Type

Class 150/300/600/900/1500



Three-piece type



Top entry type

Dimensions(in mm & inch) and Weight

Class 150

DN	50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24	28
L(RF)	178	191	203	229	394	457	533	610	686	762	864	914	1067	1245
L1(BW)	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
L2(RT3)	191	203	216	241	406	470	546	622	699	775	876	927	1080	
H	153	165	195	213	272	342	495	580	625	720	790	840	1050	1150
D0(W)	400	400	600	850	1100	1500	*350	*350	*600	*600	*800	*800	*800	*800
RF(Kgs)	15	19	38	65	97	160	240	390	510	750	895	1190	2100	3000
BW(Kgs)	13	17	35	55	92.8	154	227	365	478	711	868	1138	2015	2900

Class 300

DN	50	65	80	100	150	200	250	300	350	400	450	500	600	700
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24	28
L(RF)	216	241	283	305	406	502	568	648	762	838	914	991	1143	1346
L1(BW)	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
L2(RTJ)	232	257	298	321	419	518	584	664	778	854	930	1010	1165	1372
H	153	165	195	213	272	342	495	580	625	720	790	840	1050	1150
D0(W)	400	400	600	850	1100	1500	*350	*350	*600	*600	*800	*800	*800	*800
RF(Kgs)	18	27	47	80	118	200	365	530	740	1030	1320	1540	2600	3900
BW(Kgs)	14	22	38	55	105	185	342	503	713	1000	1285	1498	2540	3825

*Gear Operation is recommended.

Cast Steel Ball Valve-Trunnion Ball Type
Class 150/300/600/900/1500
Dimensions(in mm & inch) and Weight
Class 600

DN	50	65	80	100	150	200	250	300	350	400	450	500
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20
L(RF)	292	330	356	432	559	660	787	838	889	991	1092	1194
LI(BW)	292	330	356	432	559	660	787	838	889	991	1092	1194
L2(RTJ)	295	333	359	435	562	664	791	841	892	994	1095	1200
H	153	165	195	213	272	342	495	580	630	725	800	850
D0(W)	600	850	1250	1300	1500	*350	*350	*600	*600	*800	*800	*800
RF(Kgs)	38	56	66	122	217	350	660	820	830	1160	1420	1650
BW(Kgs)	31	51	58	117	200	327	605	790	800	1030	1305	1505

Class 900

DN	50	65	80	100	150	200	250	300	350	400	450	500
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20
URF)	368	419	381	457	610	737	838	965	1029	1130	1219	1321
LI(BW)	368	419	381	457	610	737	838	965	1029	1130	1219	1321
L2(RTJ)	371	422	384	460	613	740	841	968	1032	1133	1222	1327
H	162	195	205	213	290	355	510	595	650	750	835	900
D0(W)	600	850	125	1300	1500	*350	*350	*600	*600	*800	*800	*800
RF(Kgs)	48	60	78	122	250	375	710	890	910	1200	1480	1760
BW(Kgs)	44.5	52.5	75.2	117	232	355	690	827	870	1100	1210	1620

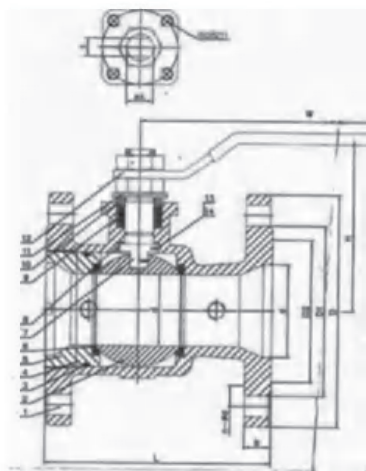
Class 1500

DN	50	65	80	100	150	200	250	300	350	400	450	500
NPS	2	2.1/2	3	4	6	8	10	12	14	16		
L(RF)	368	419	470	546	705	832	991	1130	1257	384		
LI(BW)	368	419	470	546	705	832	991	1130	1257	1384		
L2(RTJ)	371	422	473	549	711	842	1000.5	1146	1276	1406		
H	197	220	254	290	355	510	595	655	680	780		
D0(W)	600	*350	*350	*600	*600	*800	*800	*800	*800	*800		
RF(Kgs)	55	80	97	162	290	390	745	935	1000	1305		
BW(Kgs)	51	71	92.8	*157.5	227	335	697	885	915	1200		

*Gear Operation is recommended.

Cast Steel Wafer One-PC Ball Valve

Class 150/300



Design and manufacturer Manufacturer standard
Test and inspection: API 598
Face to face dimensions Manufacturer standard
End flange dimensions: ANSI B 16.5
Pressure: Class 150/300
Size: 1/2"~10"

Standard Material of Part

No.	Part	Material	No.	Part	Material
1	Body	CS. SS	8	Stem Seat	PTFE
2	Ball	CS. SS	9	Stem Packing	PTFE
3	O-Ring	Viton	10	Gland Flange	A351 CF8M
4	Seat	A182 F316/304	11	Stopping	Carbon Steel
5	Cover	A182 F316/304	12	Lever	Carbon Steel
6	Seat Ring	RPTFE	13	Smallball	SS304
7	Stem	A182 F316/304	14	Smallspring	SS304

Dimensions(in mm & inch) and Weight

Class 150

Inches	mm	d	D	D1	D2	L	H	W	S	n-4> d	A	S	IS05211
1/2"	15	10	89	60.5	35	108	63	125	11.5	4- ^Λ .15	12	8	F05
3/4"	20	13	98	70	43	117	82	125	11.5	4-4)15	12	8	F05
1"	25	19	108	79.5	51	127	85	180	12	4-4)15	14	10	F05
1"1/2	40	25	127	98.5	73	165	100	230	15	4-4)15	20	14	F07
2"	50	38	152	120.5	92	178	153	230	16	4-4)19	20	14	F07
2"1/2	65	51	178	139.5	105	190	142	400	18	4-4)19	24	15	F10
3"	80	64	190	152.5	127	203	195	400	19	4-4.19	24	15	F10
4"	100	76	229	190.5	157	229	213	700	24	8- 4 19	26	17	F10
6"	150	102	279	241.5	216	394	272	1100	26	8-4)22	32	20	F12
8"	200	152	343	298.5	270	457	342	1500	29	8-4.22	40	27	F14

Class 300

Inches	mm	d	D	D1	D2	L	H	W	b	n- 4 d	A	S	IS05211
1/2"	15	10	95	66.5	35	140	63	125	15	4- 4 15	12	8	F05
3/4"	20	13	117	82.5	43	152	82	125	16	4-4)19	12	8	F05
1"	25	19	124	89	51	165	85	180	18	4-4)19	14	10	F05
1"1/2	40	25	156	114.5	73	190	100	230	21	4-4»22	20	14	F07
2"	50	38	165	127	92	216	153	230	23	8- 4 19	20	14	F07
2-1/2	65	51	190	149	105	241	142	400	26	8- 4 22	24	15	F10
3"	80	64	210	168.5	127	283	195	400	29	8- 4>22	24	15	F10
4"	100	76	254	200	157	305	213	700	32	8- 4>22	26	17	F10
6"	150	102	318	270	216	457	272	1100	37	12-4>22	32	20	F12
8"	200	152	381	330	270	502	326	1100	42	12- 4> 25	40	27	F14



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