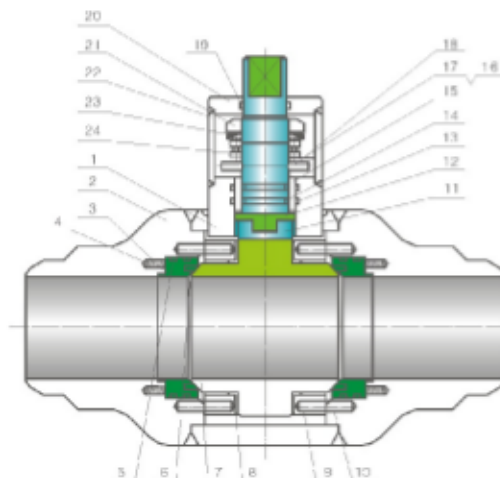


### Applicable standards:

- Pressure temperature rating: ASME B16.34、BS5351
- Shell thickness: ASME B16.34、BS5351
- Pore hole dimension: API 6D、BS5351
- Face to face: ASME B16.10、API 6D
- Connection dimension: ASME B16.5、BS1560
- Test and inspection conform to: API 6D、BS5146
- Main materials: A105、LF2、F304、F316、F304L、F316L



### Main part materials list

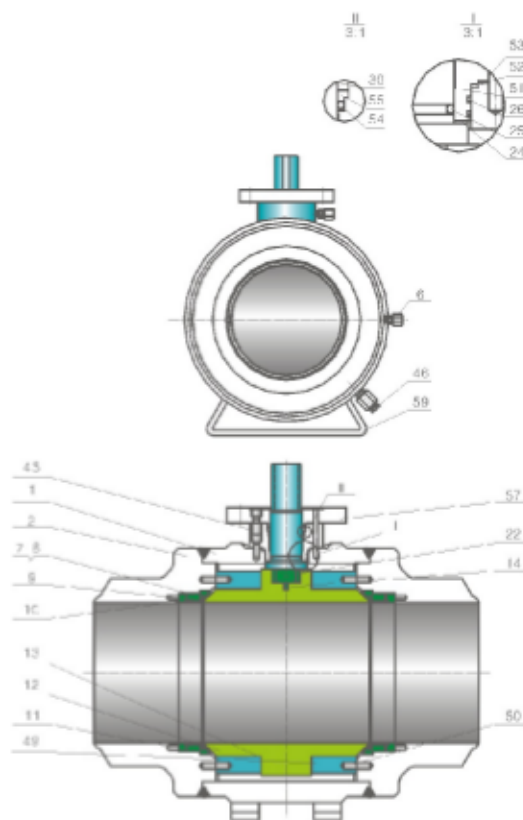
NO.	Part name	Carbon steel	Low Temp. steel	Stainless steel
1	Body	ASTM A105	ASTM A350 LF2	ASTM A182 F316
2	Bonnet	ASTM A105	ASTM A350 LF2	ASTM A182 F316
3	Spring	Inconelx-750	Inconelx-750	Inconelx-750
4	Seat retainer	ANSI A105	ASTM A350 LF2+ENP	ASTM A182 F316
5	O-ring	VITON	VITON	VITON
6	Ring	RPTFE	RPTFE	RPTFE
7	Ball	ASTM A105+ENP	ASTM 350 LF2+ENP	ASTM A182 F316
8	Sliding bearing	304+PTFE	304+PTFE	316+PTFE
9	Backing	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
10	Backing rubber	ANSI 1045	ASTM A350 LF2+ENP	ASTM A182-F316
11	Connector fitting	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
12	Stem	A182-F6a	A182-F6a	ASTM A182 F316
13	O-ring	VITON	VITON	VITON
14	O-ring	VITON	VITON	VITON
15	Bushing	ASTM A182 F316	ASTM A182 F316	ASTM A182 F316
16	Stopper	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
17	Screw	ASTM A193-B7/B7M	ASTM A193-7M	ASTM A193-B8
18	Set stud	ANSI 1045	ANSI 1045	A276-316
19	O-ring	VITON	VITON	VITON
20	Coping	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
21	Locking nut	ASTM A194-2H/2HM	ASTM A194 7M	ASTM A194-2HM/8
22	Extend pipe	ANSI 1025	ANSI 1025	A276-316
23	Butterfly spring washer	ASTM A182-304	ASTM A182-F304	ASTM A182 F316
24	Ball thrust bearing	Assembly	Assembly	Assembly

### Applicable standards:

Pressure temperature rating: ASME B16.34, BS5351  
 Shell thickness: ASME B16.34, BS5351  
 Pore hole dimension: API 6D, BS5351  
 Face to face: ASME B16.10, API 6D  
 Connection dimension: ASME B16.5, BS1560  
 Test and inspection conform to: API 6D, BS5146  
 Main materials: A105, LF2, F304, F316, F304L, F316L

### Main part materials list

NO.	Part name	Carbon steel	Low Temp. steel	Stainless steel
1	Body	ASTM A105	ASTM A350 LF2	ASTM A182 F316
2	Bonnet	ASTM A105	ASTM A350 LF2	ASTM A182 F316
6	Inject valve	ANSI 1045	ASTM A1045	A276-316
7	O-ring	VITON	VITON	VITON
8	O-ring	VITON	VITON	VITON
9	Seat retainer	ASTM A105	ASTM A350 LF2+ENP	ASTM A182 F316
10	Ring	RPTFE	RPTFE	RPTFE
11	Spring	Inconel-750	Inconel-750	Inconel-750
12	Ball	ASTM A105+ENP	ASTM A350 LF2+ENP	ASTM A182 F316
13	Sliding bearing	304+PTFE	304+PTFE	316+PTFE
14	Static spring	A276-316	A276-316	A276-316
22	Stem	A182-F6a	A182-F6a	ASTM A182 F316
24	Gasket	304+PTFE	304+PTFE	316+PTFE
25	O-ring	VITON	VITON	VITON
26	O-ring	VITON	VITON	VITON
30	Packing	Graphite	Graphite	Graphite
45	Screw	ASTM A193-B7/B7M	ASTM A193-7M	ASTM A193-B8
46	Waste valve	ANSI 1045	ANSI 1045	ASTM A182 F316
49	Backing	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
50	Backing pin	ANSI 1045	ASTM A350 LF2+ENP	ASTM A182-F316
51	Upper bushing	ASTM A105	ASTM A350 LF2+ENP	ASTM A182 F316
52	Gasket	304+Graphite	304+Graphite	316+Graphite
53	定位销	ANSI 1045	ANSI 1045	A276-316
54	O-ring	VITON	VITON	VITON
55	Packing seat	ASTM A182-F6a	ASTM A182-F6a	ASTM A182 F316
57	Coupling plate	ASTM A105	ASTM A350 LF2	ASTM A182 F316
59	Base frame	ANSI 1025	ANSI 1025	A276-316

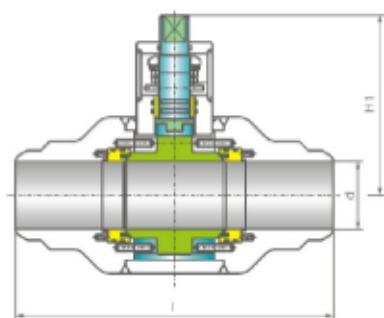


### Dimensions data

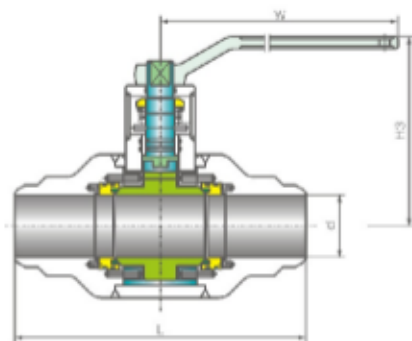
Class	Size	in	2	3	4	6	8	10	12	14	16	18	20	24
		mm	50	80	100	150	200	250	300	350	400	450	500	600
d	in	2	3	4	6	8	10	12	13.25	15.25	17.25	19.25	23.25	
	mm	50	76.2	101.6	152	203	254	305	337	387	438	489	591	
L	in	8.5	11.125	12	18	20.5	22	25	30	33	36	39	45	
	mm	216	283	305	457	521	559	635	762	838	914	991	1143	
H1	in	7.08	7.87	8.86	11.42	12.40	12.99	16.93	18.30	19.49	23.03	24.01	25	
	mm	180	200	225	285	315	330	430	465	495	585	610	635	
H2	in	7.48	8.27	8.66	11.42	12.80	16.14	17.13	18.90	19.88	23.81	24.06	25.98	
	mm	190	210	220	290	325	410	435	480	505	605	625	660	
H3	in	7.68	8.27	8.46	-	-	-	-	-	-	-	-	-	
	mm	195	210	215	-	-	-	-	-	-	-	-	-	
W	in	13.78	15.75	19.69	-	-	-	-	-	-	-	-	-	
	mm	350	400	500	-	-	-	-	-	-	-	-	-	

**Full-welded forging steel ball valves  
In pace with the world to form an chinese model**

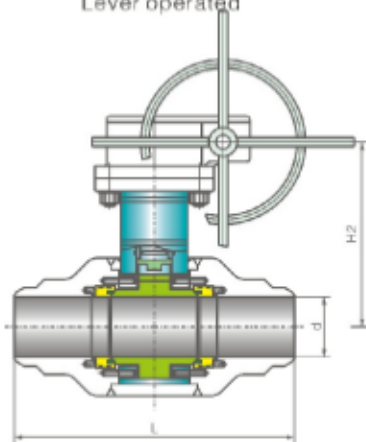
**600Lb**



Standard



Lever operated



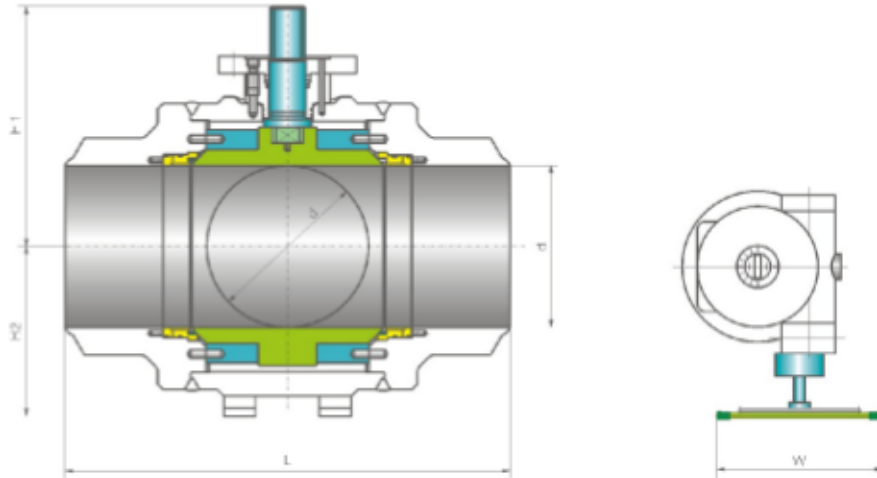
Worm operated

**Main part materials list**

NO.	Part name	Carbon steel	Low Temp. steel	Stainless steel
1	Body	ASTM A105	ASTM A350 LF2	ASTM A182 F316
2	Bonnet	ASTM A105	ASTM A350 LF2	ASTM A182 F316
6	Inject valve	ANSI 1045	ASTM A1045	A276-316
7	O-ring	VITON	VITON	VITON
8	O-ring	VITON	VITON	VITON
9	Seat retainer	ASTM A105	ASTM A350 LF2+ENP	ASTM A182 F316
10	Ring	RPTFE	RPTFE	RPTFE
11	Spring	Inconel-750	Inconel-750	Inconel-750
12	Ball	ASTM A105+ENP	ASTM A350 LF2+ENP	ASTM A182 F316
13	Sliding bearing	304+PTFE	304+PTFE	316+PTFE
14	Static spring	A276-316	A276-316	A276-316
22	Stem	A182-F6a	A182-F6a	ASTM A182 F316
24	Gasket	304+PTFE	304+PTFE	316+PTFE
25	O-ring	VITON	VITON	VITON
26	O-ring	VITON	VITON	VITON
30	Packing	Graphite	Graphite	Graphite
45	Screw	ASTM A193-B7/B7M	ASTM A193-7M	ASTM A193-B8
46	Waste valve	ANSI 1045	ANSI 1045	ASTM A182 F316
49	Backing	ASTM A105	ASTM A350 LF2+ENP	ASTM A182-F316
50	Backing pin	ANSI 1045	ASTM A350 LF2+ENP	ASTM A182-F316
51	Upper bushing	ASTM A105	ASTM A350 LF2+ENP	ASTM A182 F316
52	Gasket	304+Graphite	304+Graphite	316+Graphite
53	定位销	ANSI 1045	ANSI 1045	A276-316
54	O-ring	VITON	VITON	VITON
55	Packing seat	ASTM A182-F6a	ASTM A182-F6a	ASTM A182 F316
57	Coupling plate	ASTM A105	ASTM A350 LF2	ASTM A182 F316
59	Base frame	ANSI 1025	ANSI 1025	A276-316

**Dimensions data**

Class	Size	in	2	3	4	6	8	10	12	14	16	18	20	24
		mm	50	80	100	150	200	250	300	350	400	450	500	600
d	in	2	3	4	6	8	10	12	13.25	15.25	17.25	19.25	23.25	
	mm	50	76.2	101.6	152	203	254	305	337	387	438	489	591	
L	in	11.5	14	17	22	26	31	33	35	39	43	47	55	
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	
H1	in	7.08	7.87	8.86	11.22	12.40	12.99	16.93	18.30	19.49	23.03	24.01	25	
	mm	180	200	225	285	315	330	430	465	495	585	610	635	
H2	in	7.48	8.27	8.66	11.42	12.80	16.14	17.13	18.90	19.88	23.81	24.06	25.98	
	mm	190	210	220	290	325	410	435	480	505	605	625	660	
H3	in	7.68	8.27	8.46	-	-	-	-	-	-	-	-	-	
	mm	195	210	215	-	-	-	-	-	-	-	-	-	
W	in	23.62	39.37	59.05	-	-	-	-	-	-	-	-	-	
	mm	600	1000	1500	-	-	-	-	-	-	-	-	-	



Class 900Lb	Size	in	6	8	10	12	14	16	18	20	24
		mm	150	200	250	300	350	400	450	500	600
	d	in	6	8	10	12	12.75	14.75	16.75	18.625	22.5
		mm	152	203	254	305	324	375	425.5	473	571.5
	L	in	24	29	33	38	40.5	44.5	48	52	61
		mm	610	737	838	965	1029	1130	1219	1321	1549
	H1	in	12	15.6	16.93	18.3	21.45	24.21	26.97	29.52	35.23
		mm	305	395	430	465	545	615	685	750	895
	H2	in	11.81	15.74	16.93	17.91	24.45	24.21	23.39	26.97	30.51
		mm	300	400	430	455	545	615	645	685	775
W	in	27.8	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	
	mm	705	800	800	800	800	800	800	800	800	
WT(Kg)			330	595	935	1485	1955	2975	4010	4710	8285

Class 1500Lb	Size	in	6	8	10	12	14	16	-	-	-
		mm	150	200	250	300	350	400	-	-	-
	d	in	5.75	7.625	9.5	11.375	12.5	14.25	-	-	-
		mm	146	194	241	289	317.5	362	-	-	-
	L	in	27.75	32.75	39	44.5	49.5	54.5	-	-	-
		mm	705	832	991	1130	1257	1384	-	-	-
	H1	in	14.96	19.29	20.07	22.05	25	26.97	-	-	-
		mm	380	490	510	560	635	685	-	-	-
	H2	in	11.81	15.75	16.93	18.11	21.65	24.40	-	-	-
		mm	300	400	430	460	550	620	-	-	-
W	in	31.5	31.5	31.5	31.5	31.5	31.5	-	-	-	
	mm	800	800	800	800	800	800	-	-	-	
WT(Kg)			503	795	1615	1945	3350	4615	-	-	-