

Cast Steel **Forged Steel**

铸钢球阀 Cast Steel Ball Valve

Ball Valves Catalog I

Cast Steel

Table of Content

1. 1PC Ball Valve	01 - 03
2. 2PC Trunnion Ball Valve	04 - 14
3. 2PC Floating Ball Valve	15 - 18
4. 3PC Trunnion Ball Valve	19 - 24

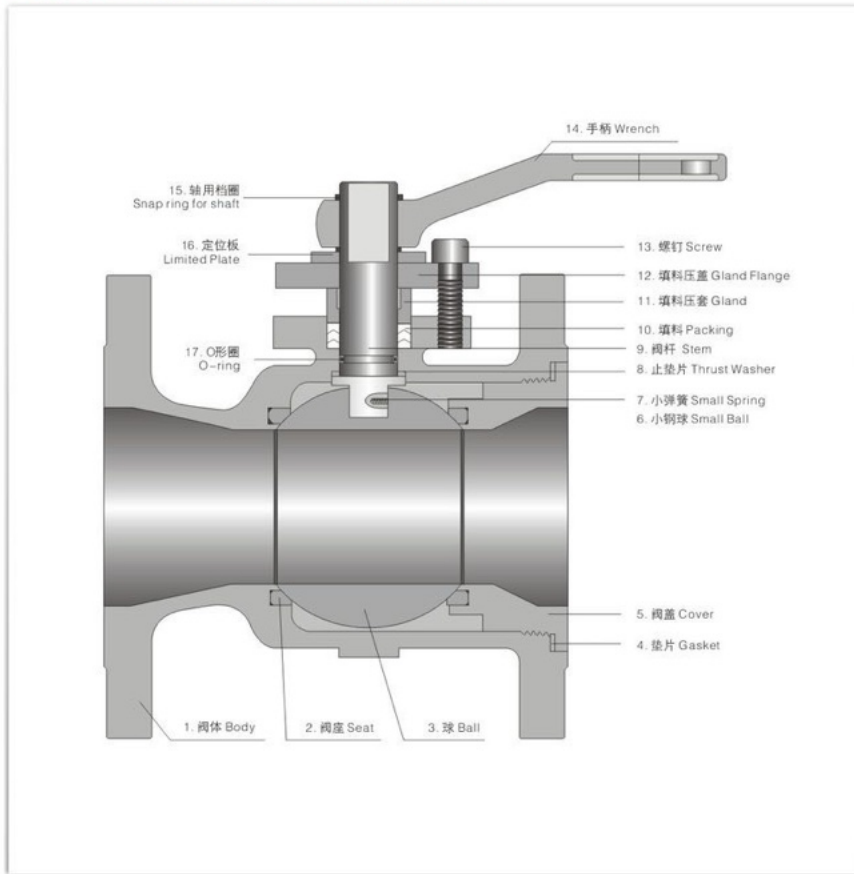
铸钢球阀 Cast Steel Ball Valve

1PC Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34, API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

一片式球阀主要结构图 / 1PC Type Ball Valve Major Features



01

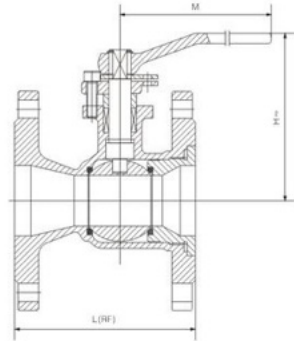
1PC Ball Valve

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	阀体 Body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
2	阀座 Seat	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON DEVLON
3	球 Ball	A105+ENP, A350 LF2+ENP, A182 -F6, F-304, F304L, F316, 316L, F321, F51, F53, ALLOY-20
4	垫片 Gasket	Flexible Graphite+304, Flexible Graphite+316, PTFE
5	阀盖 Cover	A216-WCB, WCC, A352-LCB, LCC, A351-CF8, CF8M, CF3, CF3M, CN7M, CF8C, CD4MCu, CN-3MN
6	小弹簧 Small Spring	SS304, SS316
7	小钢球 Small Ball	SS304, SS316
8	止推垫片 Thrust Washer	PTFE
9	阀杆 Stem	1045+ENP, A276-T410, T304, T304L, T316, T316L, T321, ALLOY-20, 4140+ENP, 17-4PH, F51, F53
10	填料 Packing	Flexible Graphite, PTFE
11	填料压套 Gland	A276-T410, T304, T304L, T316, T316L, T321, ALLOY-20, F51, F53
12	填料压盖 Gland Flange	A216-WCB, A351-CF8
13	螺钉 Screw	1025, Stainless Steel
14	手柄 Wrench	A216-WCB
15	轴用挡圈 Snap ring for shaft	AISI 1566
16	定位板 Limited Plate	1035, Stainless Steel
17	O形圈 O-Ring	VITON

02

1PC Ball Valve



QR104111M1-QR104111M3

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE(in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	M≈ (mm)	W≈ (kg)
1 1/2	165	178	191	96	160	5.5
2	178	191	216	118	200	6
2 1/2	191	203	241	125	250	10
3	203	216	283	147	250	14
4	229	241	305	153	350	26
6	394	406	457	204	400	54
8	457	470	521	342	750	72

主要外形尺寸 / Main Dimensions

CLASS 300Lb

SIZE(in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	M≈ (mm)	W≈ (kg)
1 1/2	191	203	191	100	160	8
2	216	232	216	120	200	11
2 1/2	241	257	241	142	250	12
3	283	298	283	147	250	13.5
4	305	321	305	163	350	35
6	403	419	403	210	400	72
8	502	518	521	366	-	150

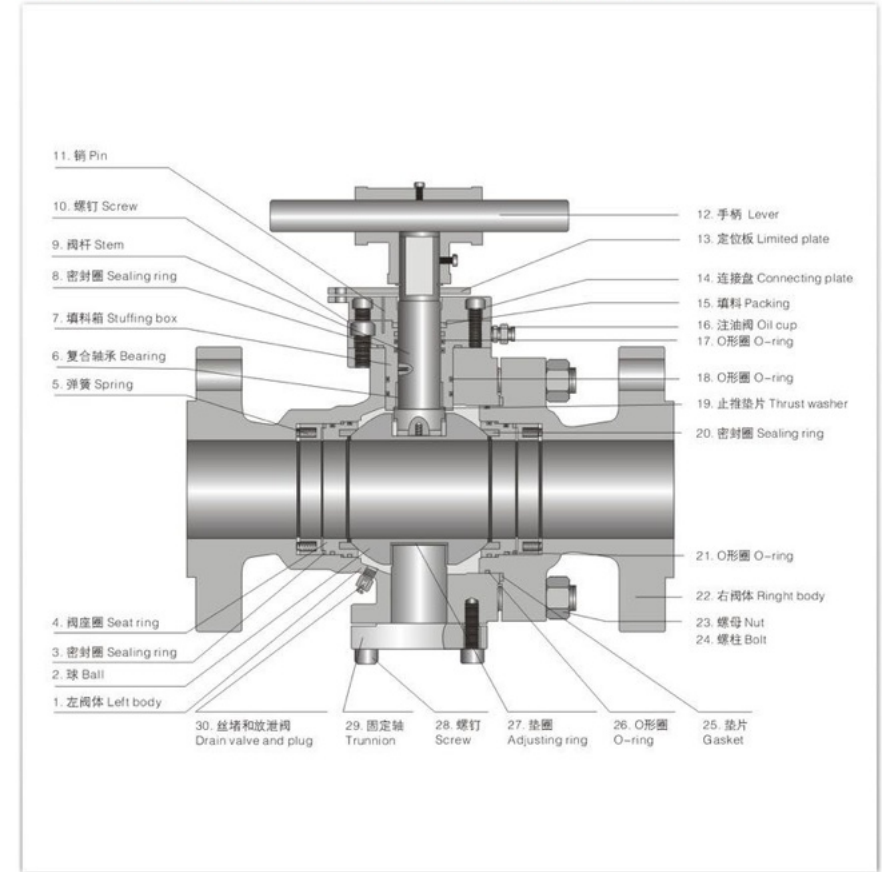
W指RF法兰面球阀重量(The W in the table means weight of Therefore End Ball Valve)

2PC Trunnion Ball Valve 2"-4"

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式全通径 固定球阀主要结构图形 / 2PC Full Bore Trunnion Ball Valve Major Features

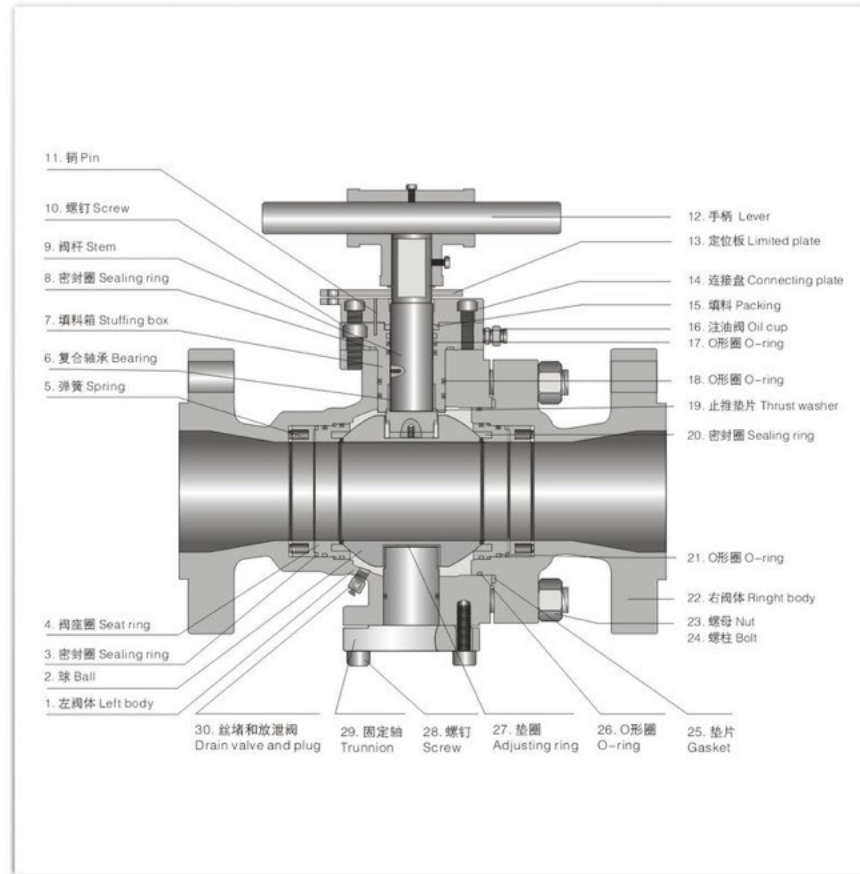


2PC Trunnion Ball Valve 2"-4"

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B5351), API 608, MSS-SP-27
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式缩径固定球阀主要结构图 / 2PC Reduced Bore Trunnion Ball Valve Major Features



05

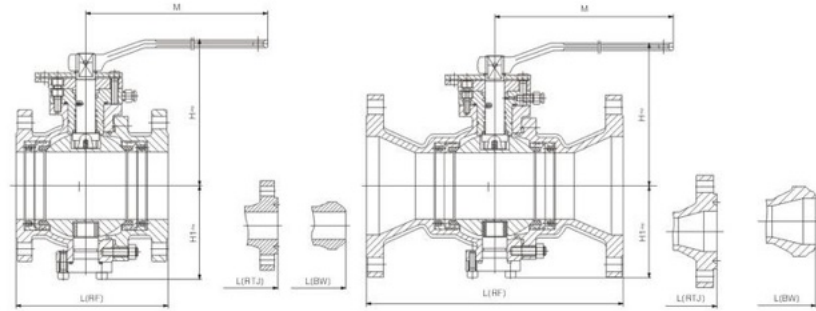
2PC Trunnion Ball Valve 2"-4"

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	左阀体 Left body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
2	球 Ball	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seat ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
10	螺钉 Screw	1035, STAINLESS STEEL
11	销 Pin	AISI 1566
12	手柄 Lever	A216-WCB+1020
13	定位板 Limited plated	1035, Stainless Steel
14	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
15	填料 Packing	FLEXIBLE GRAPHITE
16	注油杯 Oil cup	1025, SS304
17	O形圈 O-ring	VITON
18	O形圈 O-ring	NBR, VITON
19	止推垫片 Thrust washer	PTFE
20	密封圈 Sealing ring	PTFE, RPTFE, NYLON, PEEK, PPL, POM, KARBATE, MOLON, DEVLON
21	O形圈 O-ring	VITON
22	右阀体 Right body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
23	螺母 Nut	A194-2H, 2HM, 8, 8M
24	螺栓 Bolt	A193-B7, B7M, B8, B8M
25	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
26	O形圈 O-ring	NBR, VITON
27	垫圈 Adjusting ring	PTFE
28	螺钉 Screw	1035, STAINLESS STEEL
29	固定轴 Trunnion	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20, 4140+ENP, 17-4PH
30	丝堵和放泄阀 Drain valve and plug	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53

06

2PC Trunnion Ball Valve 2"-4"



QF104721B 1-QF104721B 3

QR104721B 1-QR104721B 3
QG104721B 1-QG104721B 3

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	178	191	216	168	83	250	10
3 × 2 $\text{\textcircled{R}}$	203	216	283	168	83	250	11.7
2 1/2	191	203	241	175	102	300	14
3 × 2 1/2 $\text{\textcircled{R}}$	203	216	283	175	102	300	15
4 × 2 1/2 $\text{\textcircled{R}}$	229	241	305	175	102	300	16.7
3	203	216	283	186	117	350	22
4 × 3 $\text{\textcircled{R}}$	229	241	305	186	117	350	25
6 × 3 $\text{\textcircled{R}}$	394	406	457	186	117	350	31.3
4	229	241	305	225	141	450	35
6 × 4 $\text{\textcircled{R}}$	394	406	457	225	141	450	42.5
8 × 4 $\text{\textcircled{R}}$	457	470	521	225	141	450	51.5

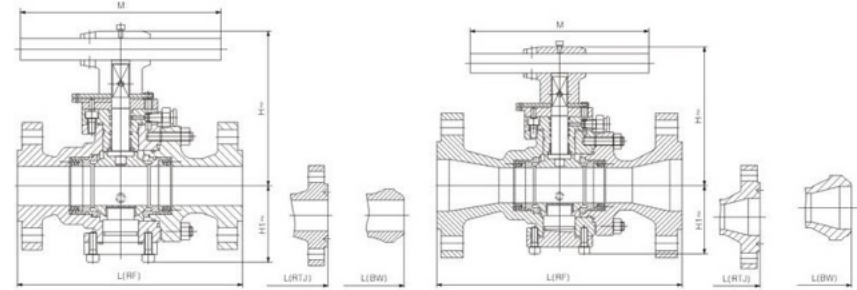
主要外形尺寸 / Main Dimensions

CLASS 300Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	216	232	216	168	95	250	15
3 × 2 $\text{\textcircled{R}}$	283	298	283	168	95	250	20
2 1/2	241	257	241	175	107	300	24
3 × 2 1/2 $\text{\textcircled{R}}$	283	298	283	175	107	300	28
4 × 2 1/2 $\text{\textcircled{R}}$	305	321	305	175	107	300	34
3	283	298	283	186	122	350	30
4 × 3 $\text{\textcircled{R}}$	305	321	305	186	122	350	44
6 × 3 $\text{\textcircled{R}}$	403	419	403	186	122	350	52
4	305	321	305	225	148	450	55
6 × 4 $\text{\textcircled{R}}$	403	419	403	225	148	450	65
8 × 4 $\text{\textcircled{R}}$	502	518	521	225	148	450	82

$\text{\textcircled{R}}$ 规则孔 (Regular bore); $\text{\textcircled{R}}$ 缩孔 Reduce bore; W 指 RF 法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

2PC Trunnion Ball Valve 2"-4"



QF104721B 6-QF104721B 9

QG104721B 6-QG104721B 9
QR104721B 6-QR104721B 9

主要外形尺寸 / Main Dimensions

CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	292	295	292	195	100	500	33
3 × 2 $\text{\textcircled{R}}$	356	359	356	195	100	500	37
2 1/2	330	333	330	220	115	600	47
3 × 2 1/2 $\text{\textcircled{R}}$	356	359	356	220	115	600	48.8
4 × 2 1/2 $\text{\textcircled{R}}$	432	435	432	220	115	600	57.5
3	356	359	356	247	126	700	58
4 × 3 $\text{\textcircled{R}}$	432	435	432	247	126	700	72
6 × 3 $\text{\textcircled{R}}$	559	562	559	247	126	700	97.8
4	432	435	432	275	154	900	83
6 × 4 $\text{\textcircled{R}}$	559	562	559	275	154	900	102.8
8 × 4 $\text{\textcircled{R}}$	660	664	660	275	154	900	109.6

主要外形尺寸 / Main Dimensions

CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	368	371	368	217	118.5	500	39
3 × 2 $\text{\textcircled{R}}$	381	384	381	217	118.5	500	44
2 1/2	419	422	419	241	133	600	55
3 × 2 1/2 $\text{\textcircled{R}}$	381	384	381	241	133	600	58
4 × 2 1/2 $\text{\textcircled{R}}$	457	460	457	241	133	600	62.1
3	381	384	381	259	141	900	68
4 × 3 $\text{\textcircled{R}}$	457	460	457	259	141	900	82
6 × 3 $\text{\textcircled{R}}$	610	613	610	259	141	900	106.1
4	457	460	457	297	167	1000	98
6 × 4 $\text{\textcircled{R}}$	610	613	610	297	167	1000	127
8 × 4 $\text{\textcircled{R}}$	737	740	737	297	167	1000	171.1

$\text{\textcircled{R}}$ 规则孔 (Regular bore); $\text{\textcircled{R}}$ 缩孔 Reduce bore; W 指 RF 法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

2PC Trunnion Ball Valve 2"-4"

主要外形尺寸 / Main Dimensions

CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	W≈ (kg)
2	368	371	368	237	122	800	40
3×2 [⊙]	470	473	470	237	122	800	50
2 1/2	419	422	419	261	148	900	64
3×2 1/2 [⊙]	470	473	470	261	148	900	70
4×2 1/2 [⊙]	546	549	546	261	148	900	86
3	470	473	470	269	163	1000	95
4×3 [⊙]	546	549	546	269	163	1000	108
6×3 [⊙]	705	711	705	269	163	1000	160
4	546	549	546	297	173	-	180
6×4 [⊙]	705	711	705	297	173	-	225
8×4 [⊙]	832	841	832	297	173	-	297

主要外形尺寸 / Main Dimensions

CLASS 2500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	W≈ (kg)
2	451	454	451	240	129	1000	75
3×2 [⊙]	578	584	578	240	129	1000	102
2 1/2	508	514	508	270	135	1000	110
3×2 1/2 [⊙]	578	584	578	270	135	1000	173
4×2 1/2 [⊙]	673	683	673	270	135	1000	180
3	578	584	578	300	159	1000	201
4×3 [⊙]	673	683	673	300	159	1000	230
6×3 [⊙]	914	927	914	300	159	1000	340
4	673	683	673	350	204	-	303
6×4 [⊙]	914	927	914	350	204	-	413
8×4 [⊙]	1022	1038	1022	350	204	-	524

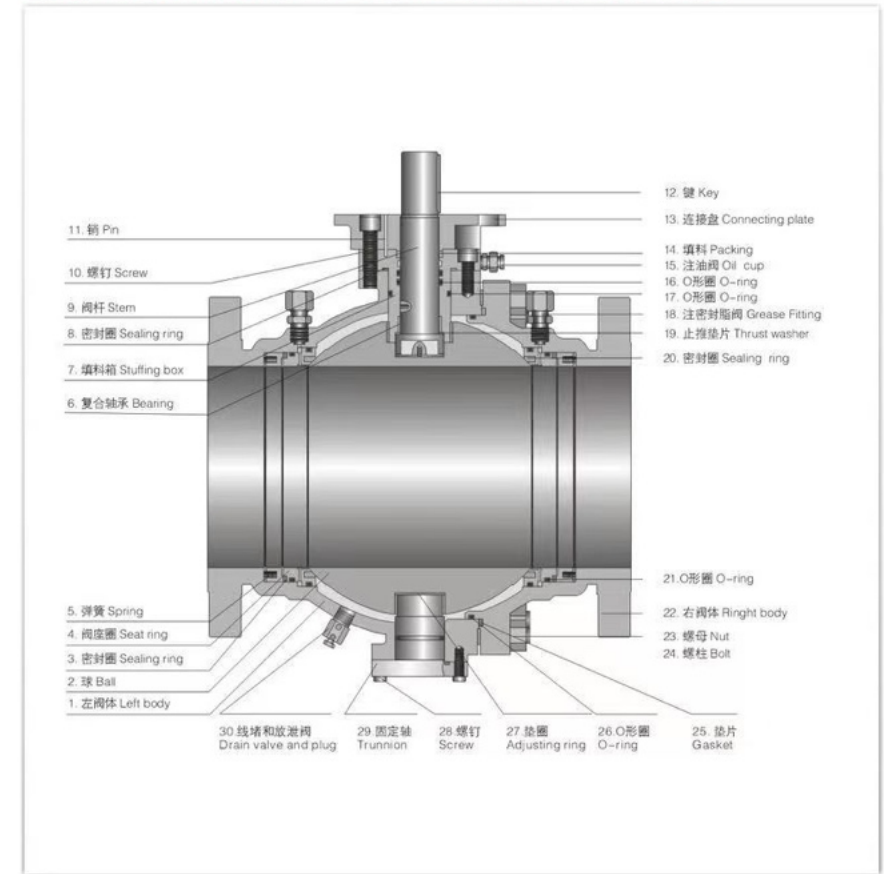
⊙规则孔(Regular bore); ⊙缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

2PC Trunnion Ball Valve 6"&Above

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS≥26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式全通径固定球阀主要结构图 / 2PC Full Bore Trunnion Ball Valve Major Features

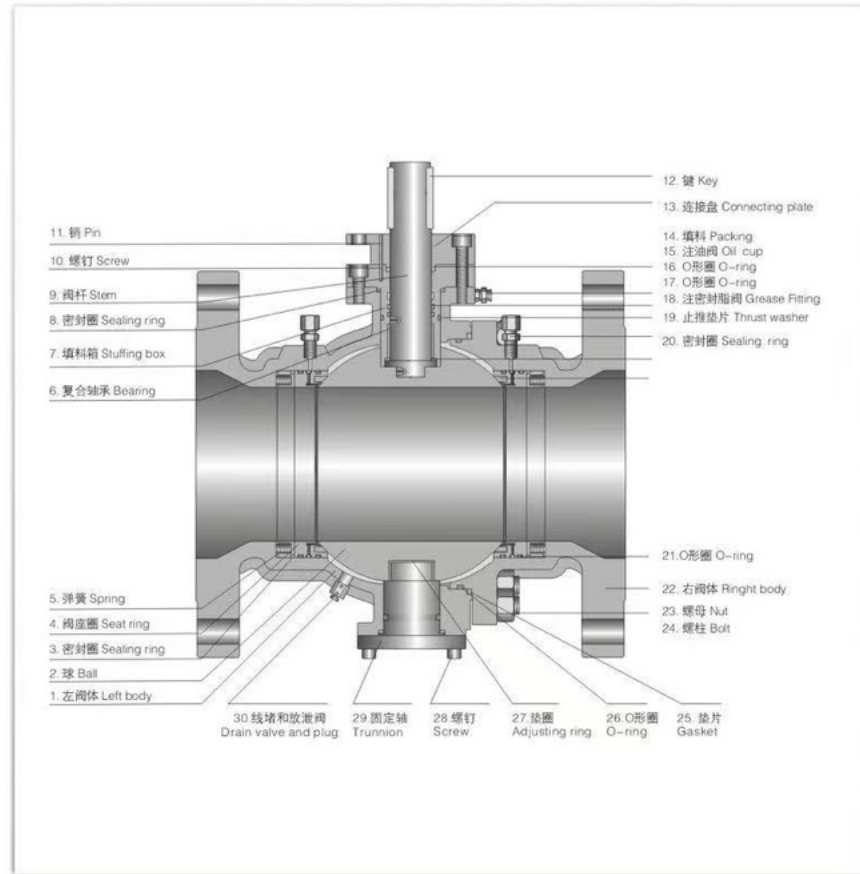


2PC Trunnion Ball Valve 6" & Above

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS ≥ 26" PER ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防薄壳杆(Anti-Static Design & Anti Blow-Out Stem)

二片式缩径固定球阀主要结构图形 / 2PC Reduced Bore Trunnion Ball Valve Major Features

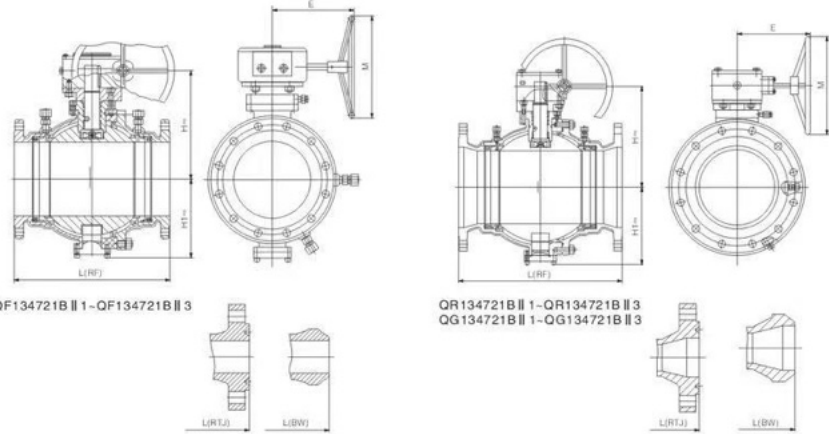


2PC Trunnion Ball Valve 6" & Above

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	左阀体 Left body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
2	球 Ball	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seat ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304, L F316L, F321, F51, F53, ALLOY-20, 4140+EMP, 17-4PH
10	螺钉 Screw	1035, STAINLESS STEEL
11	销 Pin	AISI 1566
12	键 Key	1045
13	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
14	填料 Packing	FLEXIBLE GRAPHITE
15	注油杯 Oil cup	1025, SS304
16	O形圈 O-ring	VITON
17	O形圈 O-ring	NBR, VITON
18	注密封脂嘴 Grease fitting	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53
19	止推垫片 Thrust washer	PTFE
20	密封圈 Sealing ring	PTFE, RPTFE, NYLON, PEEK, PPL, POM, KARBATE, MOLON, DEVLON
21	O形圈 O-ring	VITON
22	右阀体 Right body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
23	螺母 Nut	A194-2H, 2HM, 8, 8M
24	螺栓 Bolt	A193-B7, B7M, B8, B8M
25	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
26	O形圈 O-ring	NBR
27	垫圈 Adjusting ring	PTFE
28	螺钉 Screw	1035, STAINLESS STEEL
29	固定轴 Trunnion	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20, 4140+ENP, 17-4PH
30	丝堵和放泄阀 Drain valve & plug	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53

2PC Trunnion Ball Valve 6" & Above



主要外形尺寸 / Main Dimensions CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	394	406	457	280	193	300	254	74
8x6	457	470	521	280	193	300	254	83
10x6	533	546	559	280	193	300	254	95.2
8	457	470	521	345	217	300	254	111
10x8	533	546	559	345	217	300	254	123.4
12x8	610	622	635	345	217	300	254	142
10	533	546	559	395	270	300	270	217
12x10	610	622	635	395	270	300	270	235
14x10	686	699	762	395	270	300	270	253
16x10	762	775	838	395	270	300	270	277
12	610	622	635	527	323	300	320	385
14x12	686	699	762	527	323	300	320	402
16x12	762	775	838	527	323	300	320	426
18x12	864	876	914	527	323	300	320	450
14	686	699	762	570	355	400	320	457
16x14	762	775	838	570	355	400	380	481
18x14	864	876	914	570	355	400	380	505
20x14	914	927	991	570	355	400	380	536
16	762	775	838	498	398	450	430	723
18x16	864	876	914	498	398	450	430	765
20x16	914	927	991	498	398	450	430	832

⊙ 规则孔 (Regular bore); ⊙ 缩孔 Reduce bore; W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

2PC Trunnion Ball Valve 6" & Above

主要外形尺寸 / Main Dimensions CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	559	562	559	305	198	300	270	174
8x6	660	664	660	305	198	300	270	198
10x6	787	791	787	305	198	300	270	244
8	660	664	660	365	252	400	380	339
10x8	787	791	787	365	252	400	380	386
12x8	838	841	838	365	252	400	380	420
10	787	791	787	484	299	450	430	515
12x10	838	841	838	484	299	450	430	545
14x10	889	892	889	484	299	450	430	576
16x10	991	994	991	484	299	450	430	648
12	838	841	838	580	343	500	430	960
14x12	889	892	889	580	343	500	430	992
16x12	991	994	991	580	343	500	430	1072
18x12	1092	1095	1092	580	343	500	430	1142
14	889	892	889	608	377	500	510	1250
16x14	991	994	991	608	377	500	510	1328
18x14	1092	1095	1092	608	377	500	510	1405
20x14	1194	1200	1194	608	377	500	510	1513
16	991	994	991	663	416	500	510	1415
18x16	1092	1095	1092	663	416	500	510	1615
20x16	1194	1200	1194	663	416	500	510	1692

主要外形尺寸 / Main Dimensions CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	705	711	705	365	211	400	380	380
8x6	832	841	832	365	211	400	380	485
10x6	991	1000	991	365	211	400	380	635
8	832	841	832	475	274	450	430	750
10x8	991	1000	991	475	274	450	430	956
12x8	1130	1146	1130	475	274	450	430	1056
10	991	1000	991	578	310	500	510	1165
12x10	1130	1146	1130	578	310	500	510	1267
14x10	1257	1276	1257	578	310	500	510	1465
16x10	1384	1407	1384	578	310	500	510	1592
12	1130	1146	1130	696	485	500	510	1625
14x12	1257	1276	1257	696	485	500	510	1825
16x12	1384	1407	1384	696	485	500	510	1900
14	1257	1276	1257	761	510	550	530	1980
16x14	1384	1407	1384	761	510	550	530	2280

⊙ 规则孔 (Regular bore); ⊙ 缩孔 Reduce bore; W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	610	613	610	360	250	400	380	220
8x6	737	740	737	360	250	400	380	263
10x6	838	841	838	360	250	400	380	316
8	737	740	737	394	280	450	430	500
10x8	838	841	838	394	280	450	430	551
12x8	965	968	965	394	280	450	430	620
10	838	841	838	502	325	500	510	942
12x10	965	968	965	502	325	500	510	1010
14x10	1029	1038	1029	502	325	500	510	1054
16x10	1130	1140	1130	502	325	500	510	1143
12	965	968	965	592	380	500	510	1200
14x12	1029	1038	1029	592	380	500	510	1310
16x12	1130	1140	1130	592	380	500	510	1420
18x12	1219	1232	1219	592	380	500	510	1550
14	1029	1038	1029	675	395	550	530	1655
16x14	1130	1140	1130	675	395	550	530	1855
18x14	1219	1232	1219	675	395	550	530	-
20x14	1321	1334	1321	675	395	550	530	-
16	1130	1140	1130	762	426	550	530	1903
18x16	1219	1232	1219	762	426	550	530	2030
20x16	1321	1334	1321	762	426	550	530	2374

CLASS 2500Lb

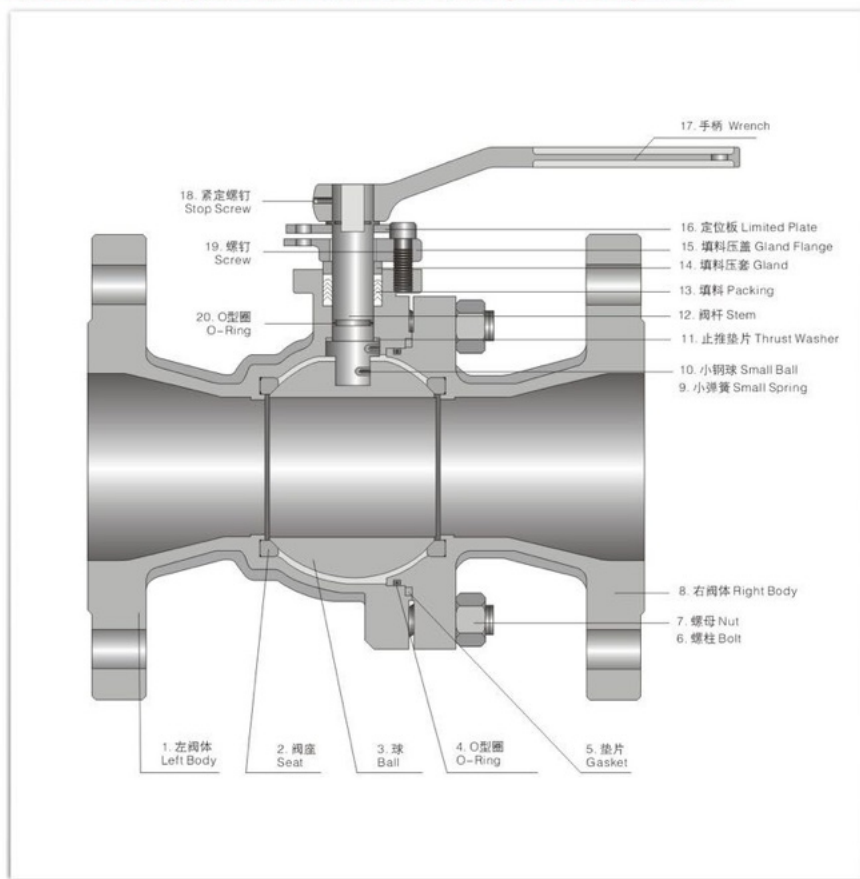
SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	914	927	914	385	250	450	430	745
8x6	1022	1038	1022	385	250	450	430	935
10x6	1270	1292	1270	385	250	450	430	1080
8	1022	1038	1022	502	340	500	510	1202
10x8	1270	1292	1270	502	340	500	510	1450
12x8	1422	1445	1422	502	340	500	510	1869
10	1270	1292	1270	600	411	500	510	2080
12x10	1422	1445	1422	600	411	500	510	2287
12	1422	1445	1422	715	498	550	510	3080

2PC Floating Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34, API 608, MSS-SP-72(B55351)
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式缩径浮动球阀主要结构图形 / 2PC Reduced Bore Floating Ball Valve Major Features

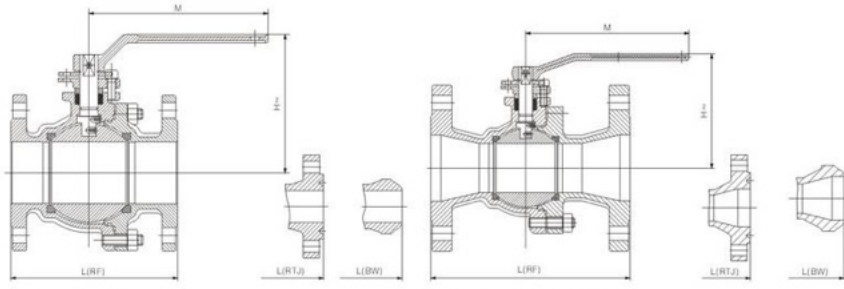


2PC Floating Ball Valve

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	左阀体 Left Body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
2	阀座 Seat	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON, DEVLON
3	球 Ball	A105+ENP, A350 LF2+ENP, A182 F6, F304, F304L, F316, F316L, F51, F53, ALLOY-20, SS321
4	O形圈 O-Ring	VITON, NBR
5	垫片 Gasket	Flexible Graphite+304, Flexible Graphite+316, PTFE
6	螺栓 Bolt	A194-2H, 2HM, 8, 8M
7	螺母 Nut	A193-B7, B7M, B8, B8M
8	右阀体 Right Body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
9	小弹簧 Small Spring	SS304, SS316
10	小钢球 Small Ball	SS304, SS316
11	止推垫片 Thrust Washer	PTFE
12	阀杆 Stem	A276-T410, T304, T304L, T316, T316L, T321, ALLOY-20, 1045+ENP, A182-F51, F53, 4140+ENP, 17-4PH
13	填料 Packing	Flexible Graphite, PTFE
14	填料压套 Gland	A276-T410, T304, T304L, T316, T316L, T321, ALLOY-20, A182-F51, F53
15	填料压盖 Gland Flange	A216-WCB, A351-CF8
16	定位板 Limited Plate	1025, Stainless Steel
17	手柄 Wrench	A216-WCB
18	紧定螺钉 Stop Screw	1035
19	螺钉 Screw	A193-B7, B8
20	O形圈 O-Ring	VITON

2PC Floating Ball Valve



QF104121B1-QF104121B6

QR104121B1-QR104121B6
QG104121B1-QG104121B6

主要外形尺寸 / Main Dimensions

SIZE(in)	L(RF)(mm)	L(RTJ)(mm)	L(BW)(mm)	H=(mm)	M=(mm)	W=(kg)
1/2 × 3/8	108	-	140	79	140	2.5
1/2	108	-	140	79	140	2.5
3/4 × 1/2	117	-	152	79	140	3
3/4	117	-	152	96	160	3
1 × 3/4	127	140	165	96	160	4.5
1 × 1/2	127	140	165	79	140	3.2
1	127	140	165	96	160	4.5
1 1/4	140	152	178	102	180	5.2
1 1/2 × 1	165	178	191	96	160	5.5
1 1/2 × 1 1/4	165	178	191	102	180	5.5
1 1/2	165	178	191	118	200	6.5
2 × 1 1/4	178	191	216	102	180	5.7
2 × 1 1/2	178	191	216	118	200	6
2	178	191	216	147	250	9
2 1/2	191	203	241	152	300	14
3 × 2	203	216	283	147	250	14
3 × 2 1/2	203	216	283	152	300	16
3	203	216	283	153	350	19
4 × 2 1/2	229	241	305	152	300	23
4 × 3	229	241	305	153	350	26
4	229	241	305	204	400	32
6 × 3	267	279	403	153	350	32
6 × 4	267	279	403	204	400	57
6	394	406	457	342	750	67
8 × 4	292	305	419	204	400	65
8 × 6	292	305	419	342	750	75
8	457	470	521	456	-	130
10 × 6	330	343	457	342	750	-
10 × 8	330	343	457	456	-	145
10	533	546	559	511	-	250

CLASS 150Lb

⊕ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

2PC Floating Ball Valve

主要外形尺寸 / Main Dimensions

SIZE(in)	L(RF)(mm)	L(RTJ)(mm)	L(BW)(mm)	H=(mm)	M=(mm)	W=(kg)
1/2 × 3/8	140	151	140	79	140	3
1/2	140	151	140	79	140	3.5
3/4 × 1/2	152	165	152	79	140	4
3/4	152	165	152	90	160	4
1 × 3/4	165	178	165	90	160	4.5
1 × 1/2	165	178	165	79	140	3.2
1	165	178	165	94	160	5
1 1/4	178	191	178	102	160	8
1 1/2 × 1	191	203	191	94	160	5.5
1 1/2 × 1 1/4	191	203	191	102	160	5.5
1 1/2	191	203	191	120	200	1.1
2 × 1 1/4	216	232	216	102	160	5.7
2 × 1 1/2	216	232	216	120	200	6
2	216	232	216	142	250	13
2 1/2	241	257	241	158	300	25
3 × 2	283	298	283	147	250	14
3 × 2 1/2	283	298	283	158	300	28
3	283	298	283	170	350	30
4 × 2 1/2	305	321	305	158	300	33
4 × 3	305	321	305	170	350	38
4	305	321	305	210	400	45
6 × 3	403	419	403	170	350	48
6 × 4	403	419	403	210	400	57
6	403	419	457	366	800	90
8 × 4	419	435	419	210	400	75
8 × 6	419	435	419	366	800	100
8	502	518	521	440	-	201

CLASS 300Lb

主要外形尺寸 / Main Dimensions

SIZE(in)	L(RF)(mm)	L(RTJ)(mm)	L(BW)(mm)	H=(mm)	M=(mm)	W=(kg)
1/2 × 3/8	165	163	165	85	160	4
1/2	165	163	165	85	160	4.5
3/4 × 1/2	191	191	191	85	160	6
3/4	191	191	191	93	200	7
1 × 3/4	216	216	216	93	200	8
1 × 1/2	216	216	216	85	160	6.6
1	216	216	216	99	200	10
1 1/4	229	229	229	100	200	15
1 1/2 × 1	241	241	241	99	200	13
1 1/2 × 1 1/4	241	241	241	100	200	17
1 1/2	241	241	241	117	200	20
2 × 1 1/4	292	295	292	100	200	21
2 × 1 1/2	292	295	292	117	200	28
2	292	295	292	180	350	27
2 1/2	330	333	330	210	400	45
3 × 2	356	359	356	180	350	33
3 × 2 1/2	356	359	356	210	400	51
3	356	359	356	244	700	56
4 × 2 1/2	432	435	432	210	400	58
4 × 3	432	435	432	244	700	63
4	432	435	432	265	800	95

CLASS 600Lb

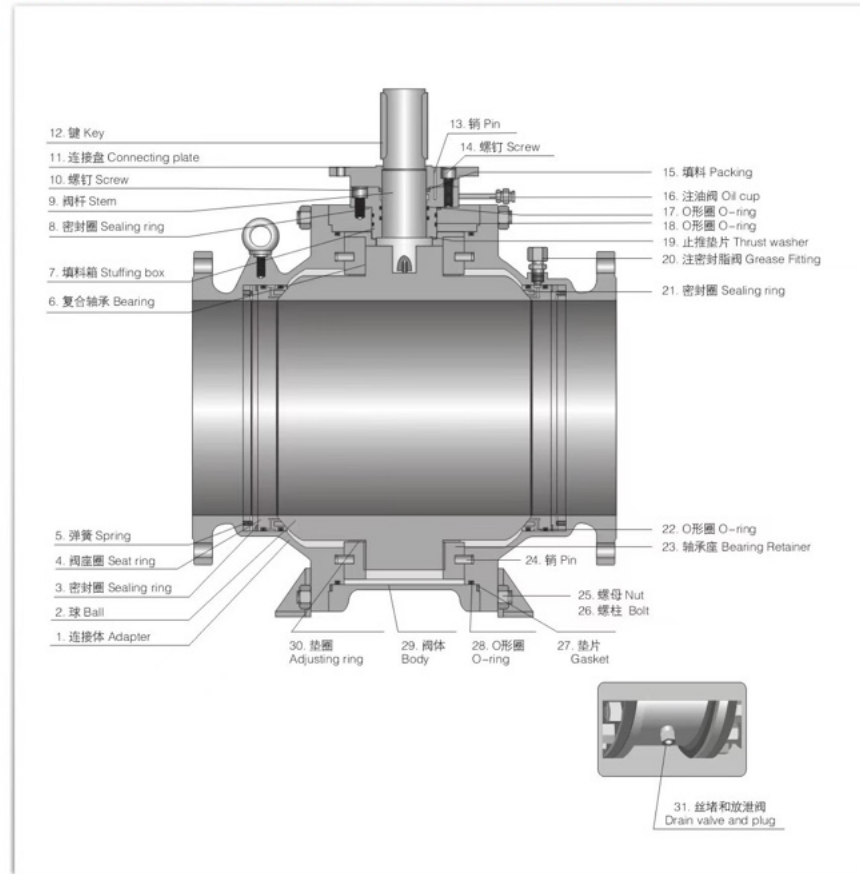
⊕ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

3PC Trunnion Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式全通径 固定球阀主要结构图 / 3PC Full Bore Trunnion Ball Valve Major Features



3PC Trunnion Ball Valve

主要材料 / Main Material

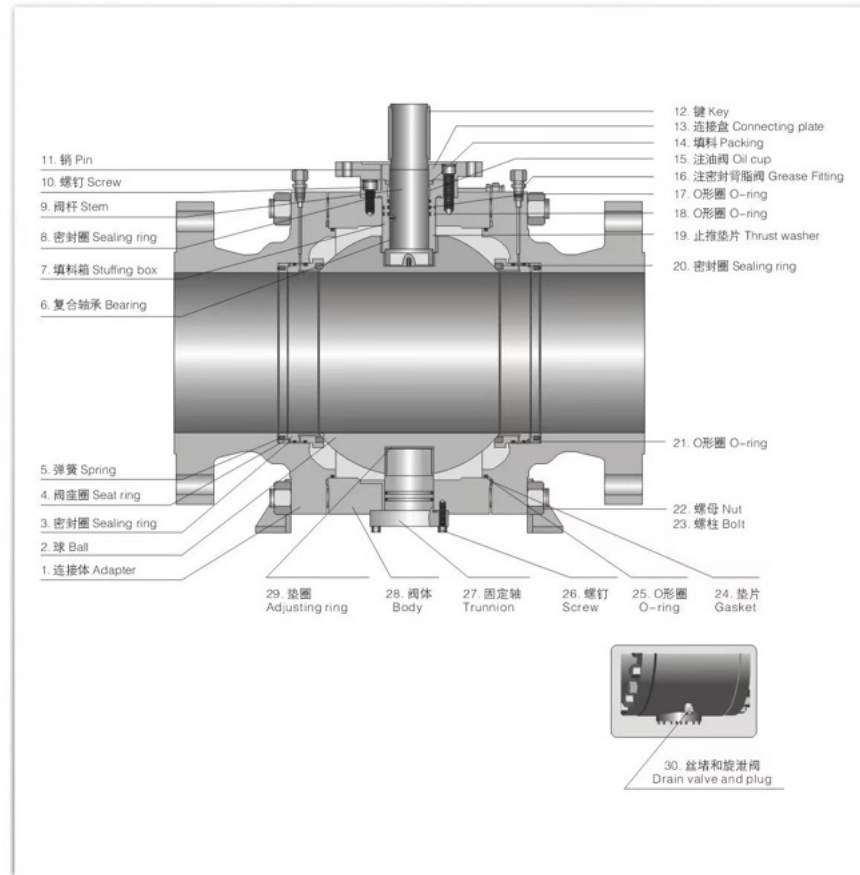
序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	A216-WCB, WCC, A352-LCB, A351-CF8, CF8M, CF3, CF3M, CN7M, CF8C, CD4MCu, CN-3MN
2	球 Ball	A105+ENP, A182-F6, F304, F316, F304L, F316L, F51, F53, F321, ALLOY-20
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seat ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20, 4140+ENP, 17-4PH
10	螺钉 Screw	1035, STAINLESS STEEL
11	连接盘 Connecting Plate	1025, A216 WCB, A351 CF8
12	键 Key	1045
13	销 Pin	AISI 1566
14	螺钉 Screw	1025, SS304
15	填料 Packing	FLEXIBLE GRAPHITE
16	注油杯 Oil cup	1025, SS304, SS316, SS304L, SS316L, SS321, F51, F53, ALLOY-20
17	O形圈 O-ring	VITON
18	O形圈 O-ring	NBR, VITON
19	止推垫片 Thrust washer	PTFE
20	注密封脂阀 Grease fitting	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53
21	密封圈 Sealing ring	PTFE, RPTFE, NYLON, PEEK, PPL, POM, KARBATE, MOLON, DEVLON
22	O形圈 O-ring	VITON
23	轴承座 Bearing Retainer	1025, A216 WCB, A351 C F8
24	销 Pin	1045, STAINLESS STEEL
25	螺母 Nut	A194-2H, 2HM, 8, 8M
26	螺栓 Bolt	A193-B7, B7M, B8, B8M
27	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
28	O形圈 O-ring	NBR, VITON
29	阀体 Body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
30	垫圈 Adjusting ring	PTFE
31	丝堵和放泄阀 Plug and drain valve	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53

3PC Trunnion Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式全通径固定球阀主要结构图形 / 3PC Full Bore Trunnion Ball Valve Major Features

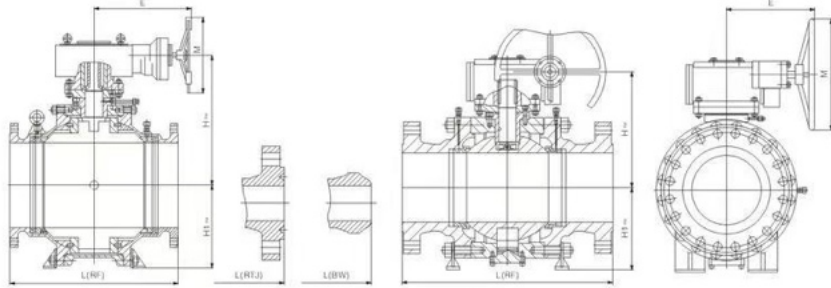


3PC Trunnion Ball Valve

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	A216-WCB, WCC, A352-LCB, A351-CF8, CF8M, CF3, CF3M, CN7M, CF8C, CD4MCu, CN-3MN
2	球 Ball	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seat ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20
10	螺钉 Screw	1035, STAINLESS STEEL
11	销 Pin	AISI 1566
12	键 Key	1045
13	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
14	填料 Packing	FLEXIBLE GRAPHITE
15	注油杯 Oil cup	1025, SS304
16	注密封脂嘴 Grease fitting	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53
17	O形圈 O-ring	VITON
18	O形圈 O-ring	NBR, VITON
19	止推垫片 Thrust washer	PTFE
20	密封圈 Sealing ring	PTFE, RPTFE, NYLON, PEEK, PPL, POM, KARBATE, MOLON, DEVLON
21	O形圈 O-ring	VITON
22	螺母 Nut	A194-2H, 2HM, 8, 8M
23	螺栓 Bolt	A193-B7, B7M, B8, B8M
24	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
25	O形圈 O-ring	NBR, VITON
26	螺钉 Screw	1035, STAINLESS STEEL
27	固定轴 Trunnion	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, ALLOY-20, 4140+ENP, 17-4PH
28	阀体 Body	Carbon Steel, Stainless Steel, TITANIUM (TA1, TA2), Nickel (N6, N201), HASTELLOY (B, C), INCOLOY (800, 825, 903), MONEL (400, 500), INCONEL (625, 690), ZIRCONIUM 702, 904L, 20# Alloy, S32750 (SAF2507, F53), S31803 (SAF2205, F51), F55 (S32760), F60 (S32205), A4, C4
29	垫圈 Adjusting ring	PTFE
30	丝堵和放泄阀 Plug and drain valve	1025, SS304, SS316, SS304L, SS316L, SS321, ALLOY-20, F51, F53

3PC Trunnion Ball Valve



QF134731B | 1-QF134731B | 3

QF134731B || 1-QF134731B | 3

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (kg)	W II (kg)
16	762	775	838	498	398	450	430	739	723
18 x 16	864	876	914	498	398	450	430	812	773
20 x 16	914	927	991	498	398	450	430	906	863
18	864	876	914	640	437	500	510	930	879
20 x 18	914	927	991	640	437	500	510	1029	980
20	914	927	991	700	467	550	530	1617	1540
24 x 20	1067	1080	1143	700	467	550	530	1900	1810
22	1091	-	1092	735	499	550	530	2518	2398
24 x 22	1067	1080	1143	735	499	550	530	2591	2468
24	1067	1080	1143	820	551	550	530	2787	2654
30 x 24	1295	-	1397	820	551	550	530	3049	2904
26	1143	-	1245	892	624	550	530	3276	3120
28 x 26	1245	-	1346	892	624	550	530	3557	3388
28	1245	-	1346	901	632	550	530	3183	3032
30 x 28	1295	-	1397	901	632	550	530	3518	3350
30	1295	-	1397	962	715	762	-	3675	3350
32 x 30	1372	-	1524	962	715	762	-	-	-
36 x 30	1524	-	1727	962	715	762	-	3885	3700
32	1372	-	1524	1045	755	812	-	4725	4500
34	1473	-	1626	1095	785	812	-	6073	5784
36	1524	-	1727	1117	836	914	-	7237	6892
40	1753	-	1956	1285	900	914	-	9347	8902
42	1855	-	2083	1330	935	914	-	10355	9862
48	2134	-	2388	1434	1050	914	-	16210	15438
56	2489	-	2849	1476	1306	1016	-	25822	24592

CLASS 300Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (kg)	W II (kg)
16	838	854	838	538	398	500	510	1330	1267
18 x 16	914	930	914	538	398	500	510	1414	1347
20 x 16	991	1010	991	538	398	500	510	1538	1465
18	914	930	914	625	437	500	510	1602	1526
20 x 18	991	1010	991	625	437	500	510	1739	1656
20	991	1010	991	712	477	500	510	1966	1872
24 x 20	1143	1165	1143	712	477	500	510	2365	2252
22	1092	1114	1092	799	495	550	530	2517	2397
24 x 22	1143	1165	1143	799	495	550	530	3215	2507
24	1143	1165	1143	826	585	550	530	3158	3008
30 x 24	1397	1422	1397	826	585	550	530	3945	3758
26	1245	1270	1245	862	630	550	530	3620	3416
28 x 26	1346	1372	1346	862	630	550	530	3776	3596
28	1346	1372	1346	893	683	550	530	4061	3868
30 x 28	1397	1422	1397	893	683	550	-	4261	4058
30	1397	1422	1397	968	715	762	-	5223	4974
32 x 30	1524	1553	1524	968	715	762	-	-	-
36 x 30	1727	1756	1727	968	715	762	-	6281	5982
32	1524	1553	1524	1008	785	812	-	5958	5674
34	1626	1654	1626	1073	836	914	-	6913	6584
36	1727	1756	1727	1100	875	914	-	7944	7566
40	1956	-	1956	1245	923	914	-	10117	9635
42	2083	-	2083	1345	958	914	-	11425	10881
48 x 42	2170	-	2170	1345	958	914	-	-	-
48	2170	-	2170	1490	1108	914	-	18467	17558

① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)
 ※L由厂方与用户协商确定(L will be confirmed by the consumer and factory);

3PC Trunnion Ball Valve

主要外形尺寸 / Main Dimensions

CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (kg)	W II (kg)
16	991	994	991	643	416	500	510	1549	1475
18 x 16	1092	1095	1092	643	416	500	510	1695	1615
20 x 16	1194	1200	1194	643	416	500	510	1778	1692
18	1092	1095	1092	723	455	500	510	1828	1741
20 x 18	1194	1200	1194	723	455	500	510	1935	1843
20	1194	1200	1194	823	522	550	530	2320	2210
24 x 20	1397	1407	1397	823	522	550	530	3235	3081
22	1295	1305	1295	845	592	812	-	3899	3714
24 x 22	1397	1407	1397	845	592	812	-	4057	3864
24	1397	1407	1397	866	615	812	-	3665	3490
30 x 24	1651	1664	1651	866	615	812	-	4270	4496
26	1448	1461	1448	924	630	812	-	4751	4525
28 x 26	1549	1562	1549	924	630	812	-	-	-
28	1549	1562	1549	956	700	812	-	5405	5148
30 x 28	1651	1664	1651	956	700	812	-	-	-
30	1651	1664	1651	1038	726	914	-	6056	5768
32 x 30	1778	1794	1778	1038	726	914	-	-	-
36 x 30	2083	2099	2083	1038	726	914	-	7415	7062
32	1778	1794	1778	1218	788	914	-	7253	6908
34	1930	1946	1930	1230	815	914	-	7778	7408
36	2083	2099	2083	1269	875	914	-	9182	8745
40	2337	2337	2337	1342	945	914	-	12584	11985
42	2437	2437	2437	1520	989	1016	-	14805	14100
48 x 42	2540	2540	2540	1520	989	1016	-	18779	17885
48	2540	2540	2540	1655	1120	1016	-	22699	21618

CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (kg)	W II (kg)
16	1130	1140	1130	727	406	550	530	1998	1903
18 x 16	1219	1232	1219	727	406	550	530	2155	2050
20 x 16	1321	1334	1321	727	406	550	530	2495	2374
18	1219	1232	1219	785	418	550	530	2415	2300
20 x 18	1321	1334	1321	785	418	550	530	2730	2600
20	1321	1334	1321	839	561	550	530	3135	2985
24 x 20	1549	1568	1549	839	561	550	530	3895	3708
24	1549	1568	1549	853	634	812	-	5295	5040
30 x 24	1880	1902	1880	853	634	812	-	7200	6850
26	1651	1674	1651	909	725	914	-	6365	6060
28 x 26	1753	1775	1753	909	725	914	-	-	-
28	1753	1775	1753	980	765	914	-	7635	7270
30 x 28	1880	1902	1880	980	765	914	-	-	-
30	1880	1902	1880	1095	810	914	-	8846	8425
32 x 30	2032	2054	2032	1095	810	914	-	-	-
36 x 30	2286	2315	2286	1095	810	914	-	10778	10265
32	2032	2054	2032	1270	840	914	-	10068	9589
34	2159	2188	2159	1310	860	914	-	14250	13545
36	2286	2315	2286	1445	893	914	-	15372	14640

主要外形尺寸 / Main Dimensions

CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (kg)	W II (kg)
16	1384	1407	1384	650	500	550	530	3718	3540
18 x 16	1537	1559	1537	650	500	550	530	4720	4496
20 x 16	1664	1686	1664	650	500	550	530	5020	4781
18	1537	1559	1537	783	585	812	-	5065	4824
20 x 18	1664	1686	1664	783	585	812	-	6392	6088
20	1664	1686	1664	880	635	914	-	7612	7250
24 x 20	2043	2071	2043	880	635	914	-	8737	8321
24	2043	2071	2043	1285	720	914	-	11387	10845

① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)
 ※L由厂方与用户协商确定(L will be confirmed by the consumer and factory);

Ball Valves Catalog II

Forged Steel

Table of Content

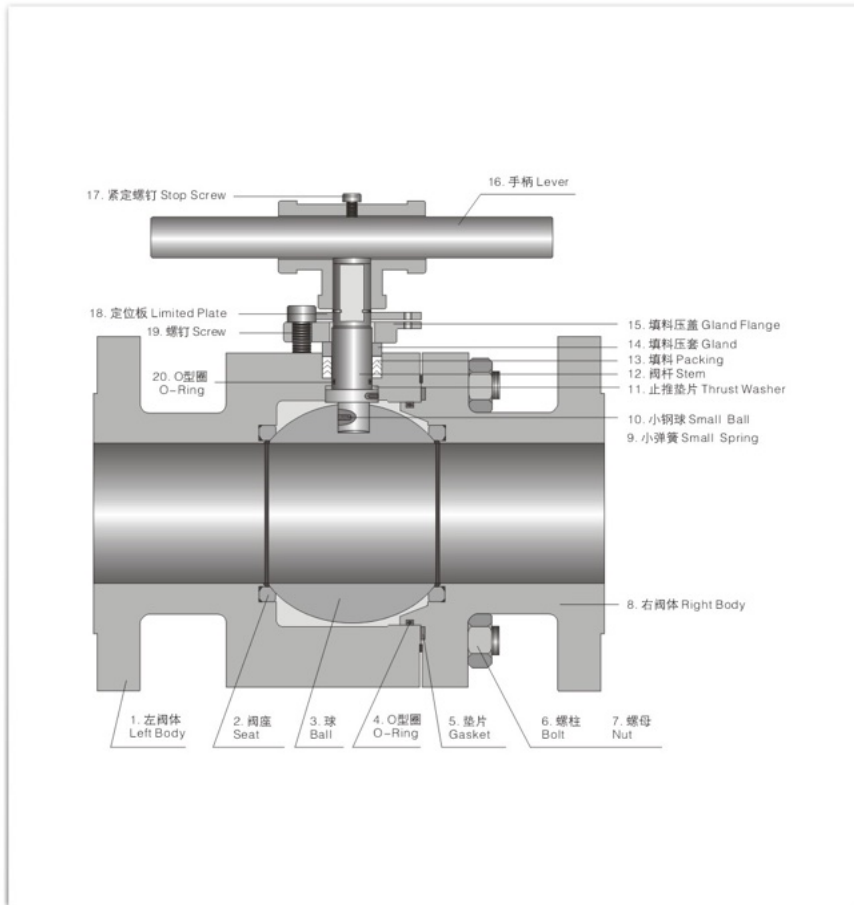
1. 2PC Floating Ball Valve	01 - 05
2. 3PC Trunnion Ball Valve	06 - 16
3. Full Welded Trunnion Ball Valve	17 - 27
4. District Heating Full Welded Ball Valve	28 - 30

2PC Floating Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式全通径浮动锻钢球阀主要结构图 / 2PC Full Bore Floating Forged Steel ball Valve Major Features



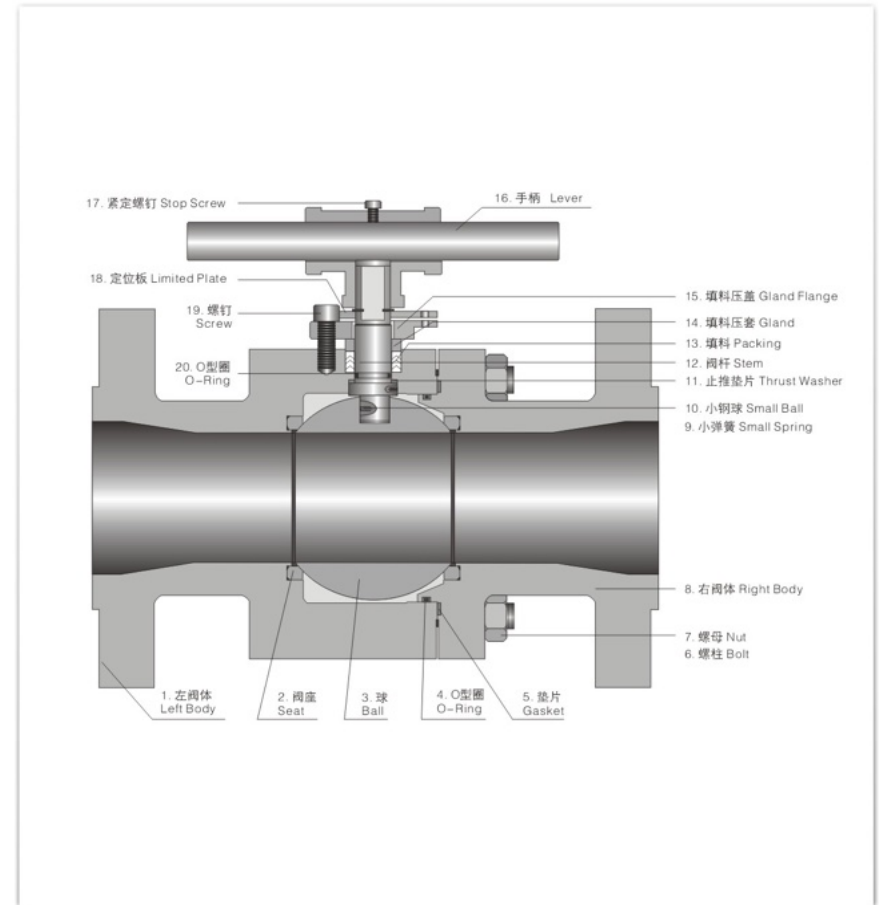
01

2PC Floating Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

二片式缩径浮动锻钢球阀主要结构图 / 2PC Reduced Bore Floating Forged Steel ball Valve Major Features



02

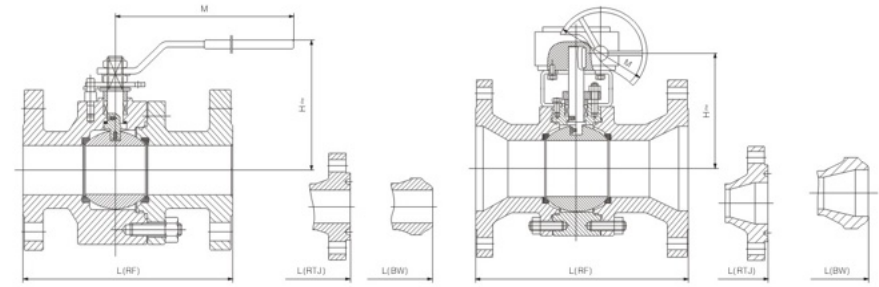
2PC Floating Ball Valve

主要材料 / Main Material

序号No.	名称 PART NAME	材料 MATERIAL
1	左阀体 Left Body	A105、A350-LF2、A182-F304、F316、F304L、F316L、F321、F51、F53、ALLOY-20
2	阀座 Seat	PTFE、RPTFE、PEEK、PPL、POM、KARBATE、NYLON、MOLON、DEVLON
3	球 Ball	A105+ENP、A350 LF2+ENP、A182-F、F6、F304、F304L、F316、F316L、F321、F51、F53、ALLOY-20
4	O形圈 O-Ring	NBR、VITON
5	垫片 Gasket	Flexible Graphite+304、Flexible Graphite+316、PTFE
6	螺栓 Bolt	A194-2H、2HM、8、8M
7	螺母 Nut	A193-B7、B7M、B8、B8M
8	右阀体 Right Body	A105、A350-LF2、A182-F304、F316、F304L、F316L、F321、F51、F53、ALLOY-20
9	小弹簧 Small Spring	SS304、SS316
10	小钢球 Small Ball	SS304、SS316
11	止推垫片 Thrust Washer	PTFE
12	阀杆 Stem	1045+ENP、A182-F6、F304、F316、F304L、F316L、F321 F51、F53、ALLOY-20 4140+ENP、17-4PH
13	填料 Packing	Flexible Graphite、PTFE
14	填料压套 Gland	A182-F6、F304、F304L、F316、F316L、F321、F51、F53、ALLOY-20
15	填料压盖 Gland Flange	A351-CF8
16	手柄 Lever	A216 WCB+1020
17	紧定螺钉 Screw	1035
18	定位板 Limited Plate	1025、Stainless Steel
19	螺钉 Screw	A193-B7、B8
20	O形圈 O-Ring	VITON

03

2PC Floating Ball Valve



主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE(in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H= (mm)	M= (mm)	W= (kg)
1/2x3/8	108	-	140	79	140	3.0
1/2	108	-	140	79	140	3.0
3/4x1/2	117	-	152	79	140	3.6
3/4	117	-	152	96	160	3.6
1x3/4	127	140	165	96	160	5.4
1x1/2	127	140	165	79	140	4.0
1	127	140	165	96	160	5.4
1 1/4	140	152	178	102	180	6.8
1 1/2x1	165	178	191	96	160	7.0
1 1/2x1 1/4	165	178	191	102	180	7.0
1 1/2	165	178	191	118	200	8.5
2x1 1/4	178	191	216	102	180	9.0
2x1 1/2	178	191	216	118	200	10.5
2	178	191	216	147	250	12
2 1/2	191	203	241	152	300	17
3x2	203	216	283	147	250	17
3x2 1/2	203	216	283	152	300	20
3	203	216	283	153	350	23
4x2 1/2	229	241	305	152	300	28
4x3	229	241	305	153	350	32
4	229	241	305	204	400	40
6x3	394	406	457	153	350	40
6x4	394	406	457	204	400	68
6	394	406	457	342	800	80
8x4	457	470	521	204	400	78
8x6	457	470	521	342	800	90
8	457	470	521	456	300*	156
10x6	533	546	559	342	00	-
10x8	533	546	559	456	900*	174
10	533	546	559	511	400*	300

① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

04

2PC Floating Ball Valve

主要外形尺寸 / Main Dimensions

Class 300Lb~600Lb

	SIZE(in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H= (mm)	M= (mm)	W= (kg)
CLASS 300Lb	1/2x3/8	140	151	140	79	140	3.6
	1/2	140	151	140	79	140	4.2
	3/4x1/2	152	165	152	79	140	5
	3/4	152	165	152	96	160	5
	1x3/4	165	178	165	96	160	5.5
	1x1/2	165	178	165	79	140	4
	1	165	178	165	100	160	6
	1 1/4	178	191	178	102	200	10
	1 1/2x1	191	203	191	100	160	6.6
	1 1/2x1 1/4	191	203	191	102	200	6.6
	1 1/2	191	20	191	120	200	3
	2x1 1/4	216	323	216	102	200	6.8
	2x1 1/2	216	232	216	120	200	7.5
	2	216	232	216	147	250	15.5
	2 1/2	241	257	241	152	300	30
	3x2	283	298	283	147	250	17
	3x2 1/2	283	298	283	152	300	34
	3	283	298	283	163	350	36
	4x2 1/2	305	321	30	152	300	40
	4x3	305	321	305	163	350	46
4	305	321	305	210	400	54	
6x3	403	419	403	163	350	58	
6x4	403	419	403	210	400	68	
6	403	419	403	366	800	108	
8x4	502	518	521	210	400	90	
8x6	502	518	521	366	800	120	
8	502	518	521	440	400*	242	
CLASS 600Lb	1/2x3/8	165	163	165	85	160	4.8
	1/2	165	163	165	85	160	5.5
	3/4x1/2	191	191	191	85	160	7.5
	3/4	191	191	191	93	200	8.5
	1x3/4	216	216	216	93	20	9.5
	1x1/2	216	216	216	85	160	8
	1	216	216	216	99	200	12
	1 1/4	229	229	229	100	200	18
	1 1/2x1	241	241	241	99	200	15.5
	1 1/2x1 1/4	241	241	241	100	200	20.5
	1 1/2	241	241	241	117	200	24
	2x1 1/4	292	295	292	100	200	25
	2x1 1/2	292	295	292	117	200	33.5
	2	292	295	292	180	350	32.5
	2 1/2	330	333	330	210	400	54
	3x2	356	359	356	180	350	40
	3x2 1/2	356	359	356	210	400	61
	3	356	359	356	244	700	67
	4x 2 1/2	432	435	432	210	400	70
	4x3	432	435	432	244	700	75.5
4	432	435	432	265	800	114	

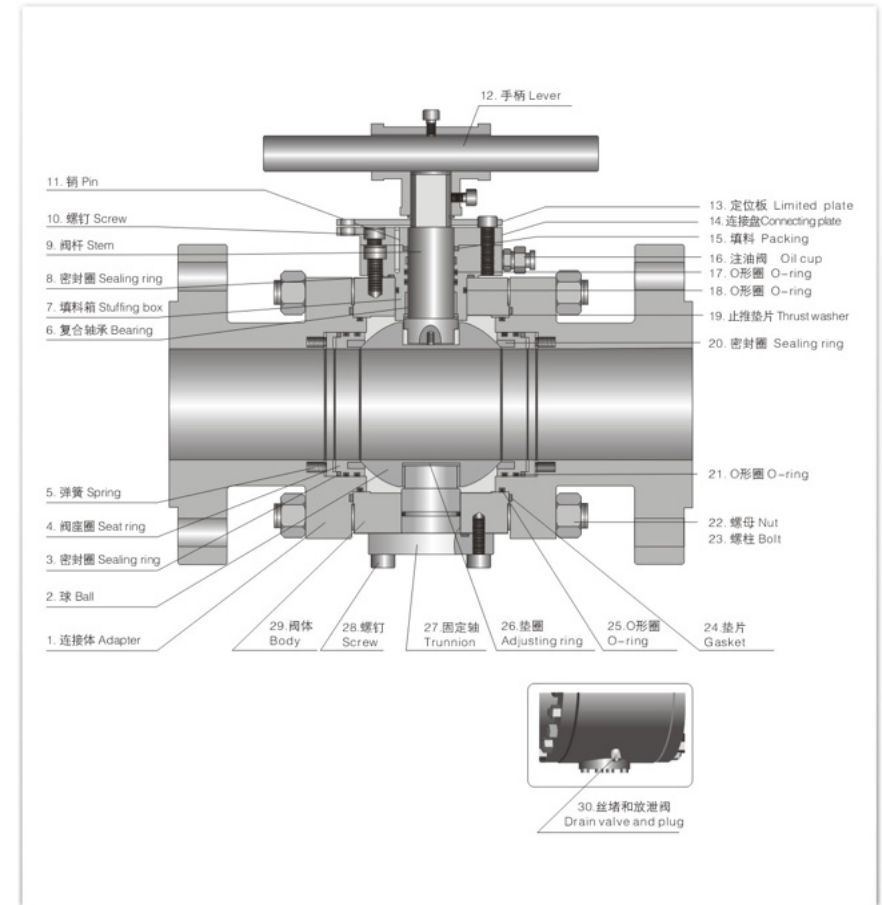
① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

3PC Trunnion Ball Valve 2"-4"

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): API 6D, ASME B16.10
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式全通径固定锻钢球阀 / 3PC Full Bore Trunnion Forged Steel Ball Valve

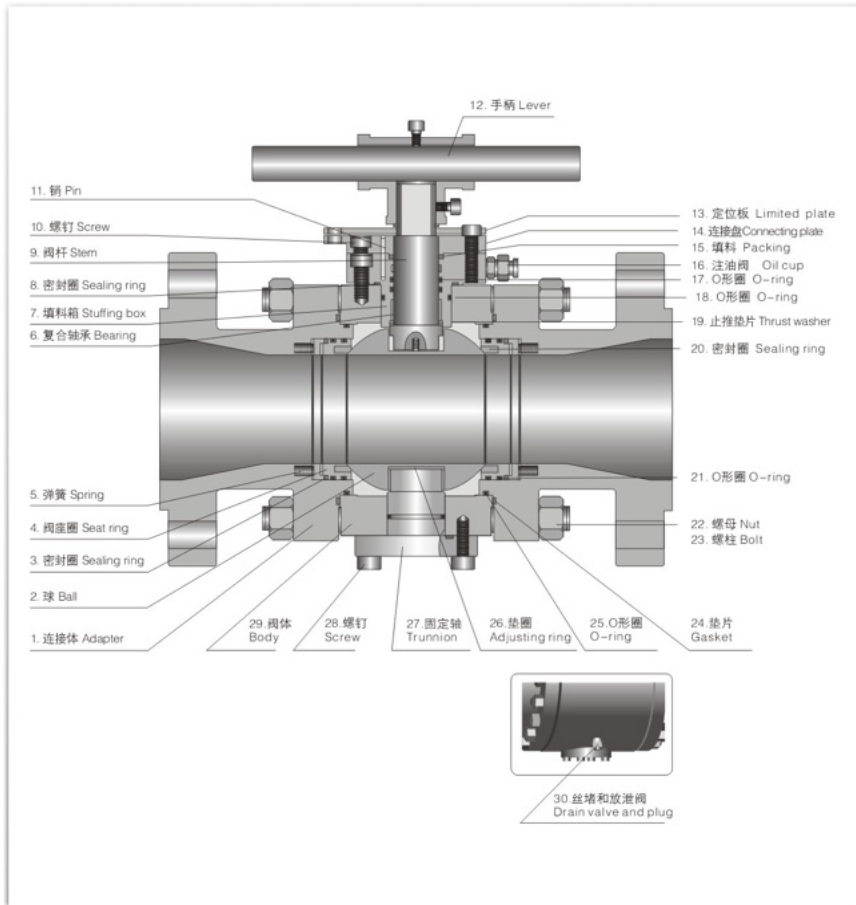


3PC Trunnion Ball Valve 2"-4"

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-27
- 结构长度尺寸(Face to Face Dimension): API 6D, ASME B16.10
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式缩径固定锻钢球阀 / 3PC Reduced Bore Trunnion Forged Steel Ball Valve

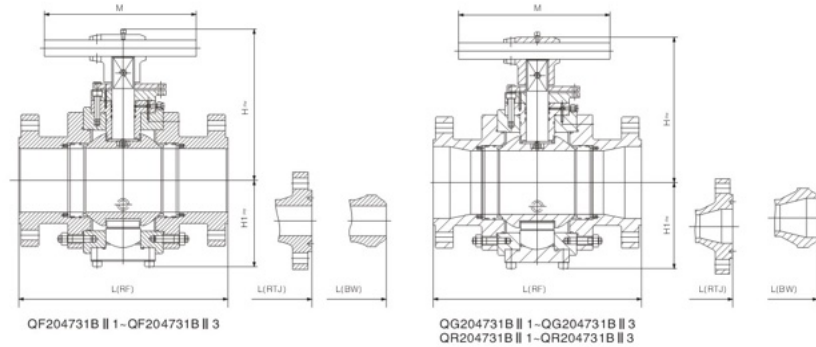


3PC Trunnion Ball Valve 2"-4"

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53
2	球 Ball	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	密封圈 Sealing ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, 4140+ENP
10	螺钉 Screw	1035, STAINLESS STEEL
11	销 Pin	AISI 1566, STAINLESS STEEL
12	手柄 Lever	A216-WCB+1020
13	定位板 Limited plate	1025, STAINLESS STEEL
14	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
15	填料 Packing	FLEXIBLE GRAPHITE
16	注油阀 Oil cup	1025, SS304
17	O形圈 O-ring	VITON
18	O形圈 O-ring	NBR, VITON
19	止推垫片 Thrust washer	PTFE
20	密封圈 Sealing ring	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON, DEVLON
21	O形圈 O-ring	VITON
22	螺母 Nut	A194-2H, 2HM, 8, 8M
23	螺栓 Bolt	A193-B7, B7M, B8, B8M
24	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
25	O形圈 O-ring	NBR, VITON
26	垫圈 Adjusting ring	PTFE
27	固定轴 Trunnion	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, 53, 4140+ENP, 17-4PH
28	螺钉 Screw	1035, STAINLESS STEEL
29	阀体 Body	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53
30	丝堵和放泄阀 Drain valve and plug	1025, SS304, SS316, SS304, L SS316L, SS321, F51, F53

3PC Trunnion Ball Valve 2"-4"



主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	178	191	216	168	83	250	26
3 × 2	203	216	283	168	83	250	30
2 1/2	191	203	241	180	102	300	42
3 × 2 1/2	203	216	283	180	102	300	46
4 × 2 1/2	229	241	305	180	102	300	52
3	203	216	283	202	117	350	50
4 × 3	229	241	305	202	117	350	60
6 × 3	394	406	457	202	117	350	80
4	229	241	305	228	141	450	88
6 × 4	394	406	457	228	141	450	100
8 × 4	457	470	521	228	141	450	128

主要外形尺寸 / Main Dimensions

CLASS 300Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	216	232	216	168	95	250	28
3 × 2	283	298	283	168	95	250	35
2 1/2	241	257	241	202	107	300	52
3 × 2 1/2	283	298	283	202	107	300	-
4 × 2 1/2	305	321	305	202	107	300	-
3	283	298	283	222	122	350	54.5
4 × 3	305	321	305	222	122	350	71
6 × 3	403	419	403	222	122	350	-
4	305	321	305	238	148	450	98
6 × 4	403	419	403	238	148	450	119
8 × 4	502	518	521	238	148	450	-

3PC Trunnion Ball Valve 2"-4"

主要外形尺寸 / Main Dimensions

CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	292	295	292	195	100	500	33
3 × 2	356	359	356	195	100	500	42
2 1/2	330	333	330	210	115	600	39
3 × 2 1/2	356	359	356	210	115	600	45
4 × 2 1/2	432	435	432	210	115	600	69
3	356	359	356	247	126	700	68
4 × 3	432	435	432	247	126	700	85
6 × 3	559	562	559	247	126	700	128
4	432	435	432	275	154	900	118
6 × 4	559	562	559	275	154	900	146
8 × 4	660	664	660	275	154	900	178

CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	368	371	368	217	118.5	500	47
3 × 2	381	384	381	217	118.5	500	52
2 1/2	419	422	419	241	133	600	61
3 × 2 1/2	381	384	381	241	133	600	66
4 × 2 1/2	457	460	457	241	133	600	80
3	381	384	381	259	141	900	82
4 × 3	457	460	457	259	141	900	97
6 × 3	610	613	610	259	141	900	158
4	457	460	457	297	167	1000	145
6 × 4	610	613	610	297	167	1000	203
8 × 4	737	740	737	297	167	1000	292

主要外形尺寸 / Main Dimensions

CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	368	371	368	237	122	800	50
3 × 2	470	473	470	237	122	800	71
2 1/2	419	422	419	261	148	900	75
3 × 2 1/2	470	473	470	261	148	900	90
4 × 2 1/2	546	549	546	261	148	900	109
3	470	473	470	269	163	1000	117
4 × 3	546	549	546	269	163	1000	124
6 × 3	705	711	705	269	163	1000	221
4	546	549	546	297	173	1000	185
6 × 4	705	711	705	297	173	1000	296
8 × 4	832	841	832	297	173	1000	360

CLASS 2500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	451	454	451	240	129	1000	108
3 × 2	578	584	578	240	129	1000	185
2 1/2	508	514	508	270	135	1000	135
3 × 2 1/2	578	584	578	270	135	1000	198
4 × 2 1/2	673	683	673	270	135	1000	217
3	578	584	578	300	159	1000	215
4 × 3	673	683	673	300	159	1000	275
6 × 3	914	927	914	300	159	1000	420
4	673	683	673	350	204	-	389
6 × 4	914	927	914	350	204	-	526
8 × 4	1022	1038	1022	350	204	-	654

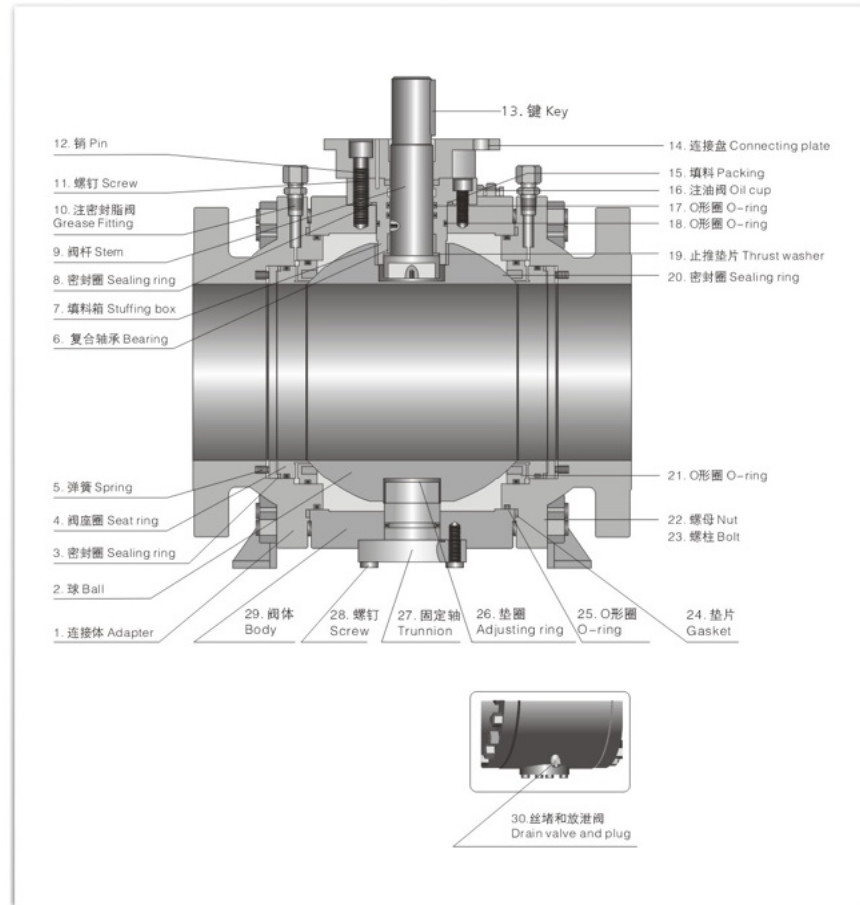
⊙ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

3PC Trunnion Ball Valve 6" & Above

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式全通径固定锻钢球阀主要结构图 / 3PC Full Bore Trunnion Forged Steel ball Valve Major Features

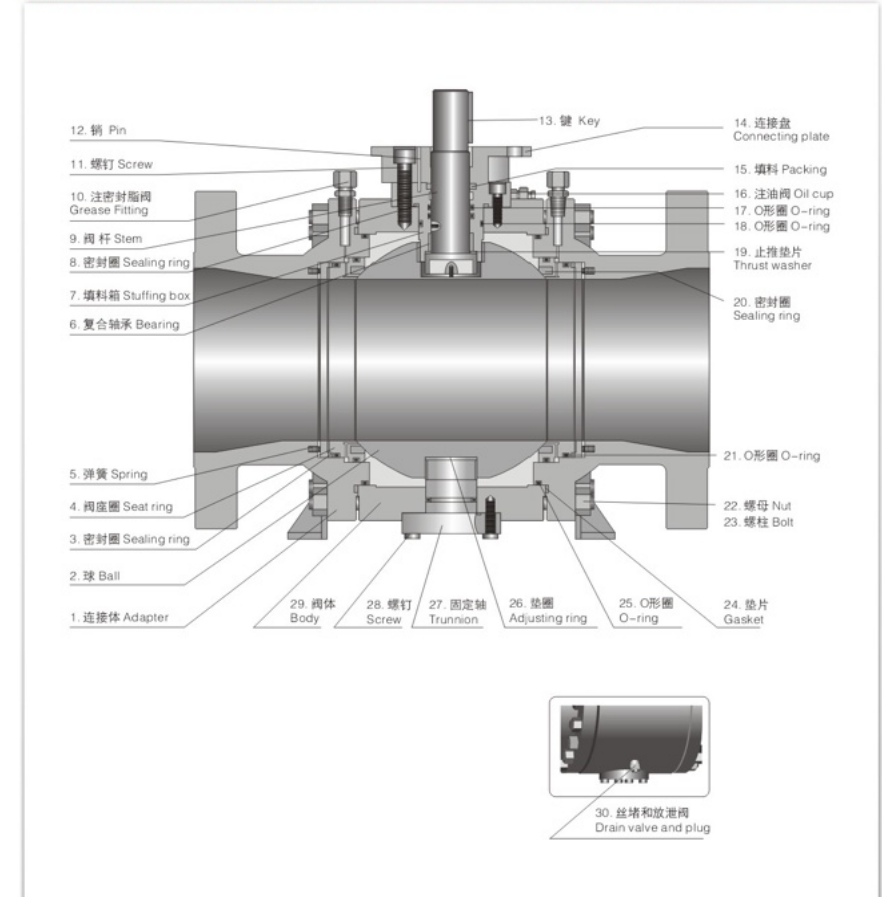


3PC Trunnion Ball Valve 6" & Above

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

三片式缩径固定锻钢球阀主要结构图 / 3PC Reduced Bore Trunnion Forged Steel ball Valve Major Features

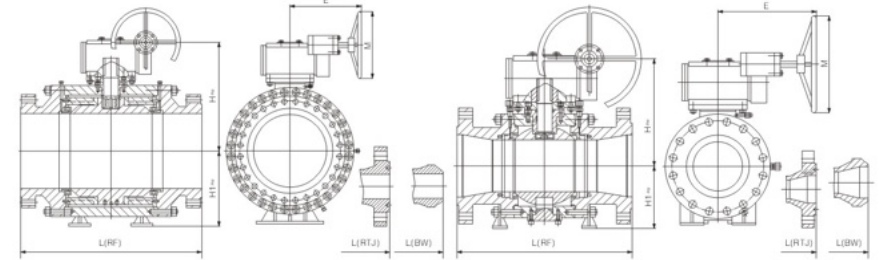


3PC Trunnion Ball Valve 6" & Above

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53
2	球 Ball	A105+ENP, A350-LF2+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seating ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
5	弹簧 Spring	SS304, INCONEL
6	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, 4140+ENP, 17-4PH
10	注密封脂嘴 Grease fitting	1025, SS304, SS316, SS304L, SS316L, SS321, F51, F53
11	螺钉 Screw	1035, STAINLESS STEEL
12	销 Pin	AISI 1566, STAINLESS STEEL
13	键 Key	1045
14	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
15	填料 Packing	FLEXIBLE GRAPHITE
16	注油阀 Oil cup	1025, SS304
17	O形圈 O-ring	VITON
18	O形圈 O-ring	NBR, VITON
19	止推垫片 Thrust washer	PTFE
20	密封圈 Sealing ring	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON, DEVLON
21	O形圈 O-ring	VITON
22	螺母 Nut	A194-2H, 2HM, 8, 8M
23	螺栓 Bolt	A193-B7, B7M, B8, B8M
24	垫片 Gasket	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
25	O形圈 O-ring	NBR, VITON
26	垫圈 Adjusting ring	PTFE
27	固定轴 Trunnion	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, 140+ENP, 17-4PH
28	螺钉 Screw	1035, STAINLESS STEEL
29	阀体 Body	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53
30	丝堵和放泄阀 Drain valve and plug	1025, SS304, SS316, SS304L, SS316L, SS321, F51, F53

3PC Trunnion Ball Valve 6" & Above



QF234731B I 1-QF234731B I 2

QG234731B II 1-QG234731B II 2
QR234731B II 1-QR234731B II 2

主要外形尺寸 / Main Dimensions

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (Kg)	W II (Kg)
6	457	470	521	305	225	300	254	182	172
8 × 6	533	546	559	305	225	300	254	210	200
10 × 6	610	622	635	305	225	300	254	-	-
8	533	546	559	395	257	300	254	320	302
10 × 8	610	622	635	395	257	300	254	355	338
12 × 8	686	699	762	395	257	300	254	-	-
10	762	775	838	395	257	300	270	515	490
12 × 10	610	622	635	428	323	300	270	565	538
14 × 10	686	699	762	428	323	300	270	615	586
16 × 10	762	775	838	428	323	300	270	-	-
12	864	876	914	428	323	300	320	682	649
14 × 12	686	699	762	465	355	400	320	723	689
16 × 12	762	775	838	465	355	400	320	786	749
18 × 12	864	876	914	465	355	400	320	-	-
14	914	927	991	465	355	400	380	856	815
16 × 14	762	775	838	528	398	450	380	903	860
18 × 14	864	876	914	528	398	450	380	-	-
20 × 14	914	927	991	528	398	450	380	-	-
16	864	876	914	564	437	500	430	1076	1025
18 × 16	914	927	991	564	437	500	430	1165	1110
20 × 16	914	927	991	564	437	500	430	1165	1110
18	457	470	521	280	178	300	510	1658	1579
20 × 18	533	546	559	280	178	300	510	1783	1698

※L由厂方与用户协商确定 (L will be confirmed by the costumer and factory);

⊙ 规则孔 (Regular bore); ⊙ 缩孔 (Reduce bore); W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

CLASS 150lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W I (Kg)	W II (Kg)
20	914	927	991	577	453	500	510	2041	1944
24 × 20	1067	1080	1143	577	453	500	510	2508	2389
22	⊙991	-	⊙1092	635	499	500	510	2905	2767
24 × 22	1067	1080	1143	635	499	500	510	-	-
24	1067	1080	1143	817	592	500	510	3284	3120
30 × 24	1295	-	1397	817	592	500	510	3940	3752
26	1143	-	1245	892	624	550	530	3870	3686
28 × 26	1245	-	1346	892	624	550	530	-	-
28	1245	-	1346	942	702	812	-	4494	4280
30 × 28	1295	-	1397	942	702	812	-	-	-
30	1295	-	1397	962	715	812	-	4048	3855
32 × 30	1372	-	1524	962	715	812	-	-	-
36 × 30	1524	-	1727	962	715	812	-	4520	4305
32	1372	-	1524	1045	755	812	-	6468	6160
34	1473	-	1626	1095	785	812	-	7592	7230
36	1524	-	1727	1117	836	914	-	9253	8812
40	⊙1753	-	⊙1956	1285	900	914	800	12463	11870
42	⊙1855	-	⊙2083	1330	935	914	800	13807	13150
48	⊙2134	-	⊙2388	1434	1050	914	800	21614	20585
56	⊙2489	-	⊙2489	1476	1306	1016	-	34440	32800

3PC Trunnion Ball Valve 6" & Above

主要外形尺寸 / Main Dimensions CLASS 300Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W I≈ (Kg)	W II≈ (Kg)
6	403	419	403	285	201	300	254	205	195
8 × 6	502	518	521	285	201	300	254	223	212
10 × 6	568	584	559	285	201	300	254	-	-
8	502	518	521	342	232	300	270	338	322
10 × 8	568	584	559	342	232	300	270	373	355
12 × 8	648	664	635	342	232	300	270	-	-
10	568	584	559	390	283	400	342	584	556
12 × 10	648	664	635	390	283	400	342	634	604
14 × 10	762	778	762	390	283	400	342	696	663
16 × 10	838	854	838	390	283	400	342	-	-
12	648	664	635	435	335	400	380	730	695
14 × 12	762	778	762	435	335	400	380	767	730
16 × 12	838	854	838	435	335	400	380	-	-
18 × 12	914	930	914	435	335	400	380	-	-
14	762	778	762	467	360	450	430	940	895
16 × 14	838	854	838	467	360	450	430	1076	1025
18 × 14	914	930	914	467	360	450	430	-	-
20 × 14	991	1010	991	467	360	450	430	-	-
16	838	854	838	538	398	500	510	1570	1495
18 × 16	914	930	914	538	398	500	510	1743	1660
20 × 16	991	1010	991	538	398	500	510	2058	1960
18	914	930	914	625	437	500	510	1885	1795
20 × 18	991	1010	991	625	437	500	510	1979	1885
20	991	1010	991	712	477	500	530	2290	2181
24 × 20	1143	1165	1143	712	477	500	530	2785	2652
22	1092	1114	1092	799	495	550	530	2961	2820
24 × 22	1143	1165	1143	799	495	550	530	-	-
24	1143	1165	1143	826	585	550	530	3715	3538
30 × 24	1397	1422	1397	826	585	550	530	4660	4438
26	1245	1270	1245	862	630	550	530	4484	4270
28 × 26	1346	1372	1346	862	630	550	530	-	-
28	1346	1372	1346	893	683	550	530	5077	4835
30 × 28	1397	1422	1397	893	683	550	530	-	-
30	1397	1422	1397	968	715	550	530	6531	6220
32 × 30	1524	1545	1524	968	715	550	530	-	-
36 × 30	1727	1756	1727	968	715	550	530	7854	7480
32	1524	1553	1524	1008	805	812	-	7450	7095
34	1626	1654	1626	1073	875	914	-	8643	8231
36	1727	1756	1727	1100	923	914	-	10185	9700
40	※1956	-	※1956	1245	923	914	-	13487	12845
42	※2083	-	※2083	1345	959	914	-	15233	14508
48	※2170	-	※2170	1490	1108	914	-	23084	21985

※L由方方与用户协商确定 (L will be confirmed by the customer and factory);

◎规则孔(Regular bore); ②缩孔Reduce bore; W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

3PC Trunnion Ball Valve 6" & Above

主要外形尺寸 / Main Dimensions CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W I≈ (Kg)	W II≈ (Kg)
6	610	613	610	360	250	400	380	352	335
8 × 6	737	740	737	360	250	400	380	462	440
10 × 6	838	841	838	360	250	400	380	-	-
8	737	740	737	394	280	450	430	584	556
10 × 8	838	841	838	394	280	450	430	719	685
12 × 8	965	968	965	394	280	450	430	-	-
10	838	841	838	502	325	500	510	982	935
12 × 10	965	968	965	502	325	500	510	1066	1015
14 × 10	1029	1038	1029	502	325	500	510	1216	1158
16 × 10	1130	1140	1130	502	325	500	510	-	-
12	965	968	965	572	380	500	510	1365	1300
14 × 12	1029	1038	1029	572	380	500	510	1638	1560
16 × 12	1130	1140	1130	572	380	500	510	1722	1640
18 × 12	1219	1232	1219	572	380	500	510	-	-
14	1029	1038	1029	675	395	550	530	1727	1645
16 × 14	1130	1140	1130	675	395	550	530	1927	1835
18 × 14	1219	1232	1219	675	395	550	530	-	-
20 × 14	1321	1334	1321	675	395	550	530	-	-
16	1130	1140	1130	627	406	550	530	2351	2239
18 × 16	1219	1232	1219	627	406	550	530	2533	2412
20 × 16	1321	1334	1321	627	406	550	530	2933	2793
18	1219	1232	1219	731	418	550	530	3056	2910
20 × 18	1321	1334	1321	731	418	550	530	3234	3080
20	1321	1334	1321	820	561	550	530	3919	3732
24 × 20	1549	1568	1549	820	561	550	530	4867	4635
24	1549	1568	1549	853	634	812	-	6615	6300
30 × 24	※1880	※1902	※1880	853	634	812	-	8998	8570
26	※1651	※1674	※1651	909	725	914	-	7949	7570
28 × 26	※1753	※1775	※1753	909	725	914	-	-	-
28	※1753	※1775	※1753	980	765	914	-	9542	9088
30 × 28	※1880	※1902	※1880	980	765	914	-	-	-
30	※1880	※1902	※1880	1095	810	914	-	11340	10800
32 × 30	※2032	※2054	※2032	1095	810	914	-	-	-
36 × 30	※2286	※2315	※2286	1095	810	914	-	13818	13160
32	※2032	※2054	※2032	1270	840	914	-	12584	11985
34	※2159	※2188	※2159	1310	860	914	-	18233	17365
36	※2286	※2315	※2286	1445	893	914	-	20497	19521

※L由方方与用户协商确定 (L will be confirmed by the customer and factory);

◎规则孔(Regular bore); ②缩孔Reduce bore; W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W I≈ (Kg)	W II≈ (Kg)
6	705	771	705	305	211	400	380	512	488
8 × 6	832	841	832	305	211	400	380	625	595
10 × 6	991	1000	991	305	211	400	380	-	-
8	832	841	832	365	274	450	430	835	795
10 × 8	991	1000	991	365	274	450	430	1037	988
12 × 8	1130	1146	1130	365	274	450	430	-	-
10	991	1000	991	440	310	500	510	1470	1400
12 × 10	1130	1146	1130	440	310	500	510	1580	1505
14 × 10	1257	1276	1257	440	310	500	510	2251	2144
16 × 10	1384	1407	1384	440	310	500	510	-	-
12	1130	1146	1130	596	485	500	510	1851	1763
14 × 12	1257	1276	1257	596	485	500	510	2600	2476
16 × 12	1384	1407	1384	596	485	500	510	3030	2886
18 × 12	※1537	※1559	※1537	596	485	550	530	-	-
14	1257	1276	1257	661	510	550	530	2841	2706
16 × 14	1384	1407	1384	661	510	550	530	3360	3198
18 × 14	※1537	※1559	※1537	661	510	550	530	-	-
20 × 14	※1664	※1686	※1664	661	510	550	530	-	-
16	1384	1406	1384	700	540	550	530	4373	4165
18 × 16	※1537	※1559	※1537	700	540	550	530	5554	5290
20 × 16	※1664	※1686	※1664	700	540	550	530	5906	5625
18	※1537	※1559	※1537	783	585	812	-	6332	6030
20 × 18	※1664	※1686	※1664	783	585	812	-	7521	7163
20	※1664	※1686	※1664	880	635	914	-	9513	9060
24 × 20	※2043	※2071	※2043	880	635	914	-	10822	10402
24	※2043	※2071	※2043	1285	720	914	-	15183	14460

主要外形尺寸 / Main Dimensions CLASS 2500Lb

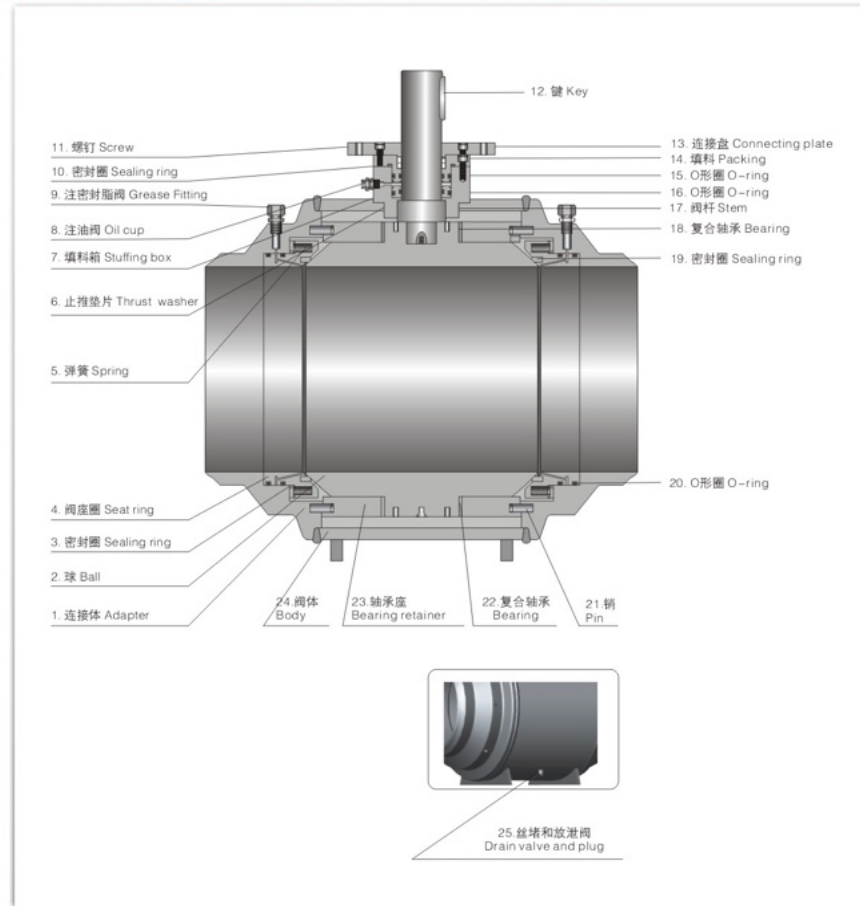
SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W I≈ (Kg)	W II≈ (Kg)
6	914	927	914	345	340	500	430	981	934
8 × 6	1022	1038	1022	345	340	500	430	1176	1120
10 × 6	1270	1292	1270	345	340	500	430	-	-
8	1022	1038	1022	402	411	500	510	1497	1426
10 × 8	1270	1292	1270	402	411	500	510	2289	2180
12 × 8	1422	1445	1422	402	480	550	510	-	-
10	1270	1292	1270	500	250	450	510	2527	2407
12 × 10	1422	1445	1422	500	250	450	510	3516	3350
12	1422	1445	1422	650	250	450	530	3967	3778

Full Welded Trunnion Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

全焊固定球阀主要结构图 / Full Welded Trunnion Ball Valve Major Features

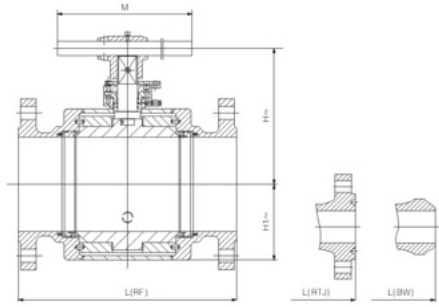


Full Welded Trunnion Ball Valve

主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53, A537
2	球 Ball	F304, F316, F304L, F316L, F321, F51, F53A105+ENP, A350-LF2+ENP, A182-F6,
3	密封圈 Sealing ring	FLEXIBLE GRAPHITE
4	阀座圈 Seat ring	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
5	弹簧 Spring	SS304, INCONEL
6	止推垫片 Thrust washer	PTFE
7	填料箱 Stuffing box	A105+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53
8	注油阀 Oil cup	1025, SS304
9	注密封脂阀 Grease Fitting	1025, SS304, SS316, SS304L, SS316L, SS321, F51, F53
10	密封圈 Sealing ring	SS304, SS316+FLEXIBLE, GRAPHITE SPIRAL WOUND
11	螺钉 Screw	1035, STAINLESS STEEL
12	键 Key	1045
13	连接盘 Connecting plate	1025, A216 WCB, A351 CF8
14	填料 Packing	FLEXIBLE GRAPHITE
15	O形圈 O-ring	VITON
16	O形圈 O-ring	NBR, VITON
17	阀杆 Stem	1045+ENP, A182-F6, F304, F316, F304L, F316L, F321, F51, F53, 4140+ENP, 17-4PH
18	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
19	密封圈 Sealing ring	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON, DEVLON
20	O形圈 O-ring	VITON
21	销 Pin	1045, STAINLESS STEEL
22	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE
23	轴承座 Bearing retainer	A105, A216-WCB, STAINLESS STEEL
24	阀体 Body	A105, A350-LF2, A182-F304, F316, F304L, F316L, F321, F51, F53
25	丝堵和放泄阀 Drain valve and plug	1025, SS304, SS316, SS304L, SS316L, SS321, F51, F53

Full Welded Trunnion Ball Valve



QF204761W | 1-QF204761W | 2

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	178	191	216	143	83	250	20
2 1/2	191	203	241	180	102	300	22
3 × 2	203	216	283	143	83	250	22
3	203	216	283	232	117	350	35
4 × 3	229	241	305	232	117	350	35
4	229	241	305	243	125	450	55
6 × 4	394	406	457	243	125	450	68

CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	292	295	292	195	100	500	25
2 1/2	330	333	330	212	115	600	30
3 × 2	356	359	356	195	100	500	35
3	356	359	356	247	126	700	54
4 × 3	432	435	432	247	126	700	75
4	432	435	432	275	154	900	100
6 × 4	559	562	559	275	154	900	114

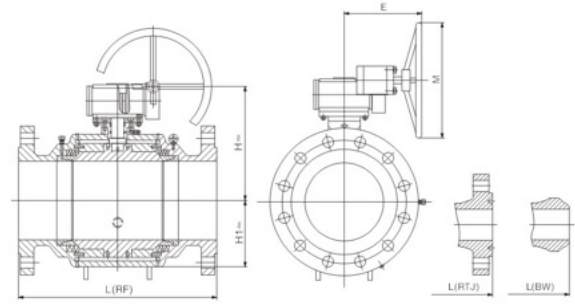
主要外形尺寸 / Main Dimensions

CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	W (kg)
2	368	371	368	237	109	800	48
2 1/2	419	422	419	261	130	900	58
3 × 2	470	473	470	237	109	800	62
3	470	473	470	269	154	1000	90
4 × 3	546	549	546	269	154	1000	102
4	546	549	546	297	190	1000	155
6 × 4	705	711	705	297	190	1000	232

⊙ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

Full Welded Trunnion Ball Valve



QF234761W | 1-QF234761W | 2

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)	W (kg)
6	394	406	457	280	178	300	254	173
8 × 6	457	470	521	280	178	300	254	195
8	457	470	521	305	225	300	254	200
10 × 8	533	546	559	305	225	300	254	238
10	533	546	559	395	257	300	270	262
12 × 10	610	622	635	395	257	300	270	380
12	610	622	635	428	323	300	370	414
14 × 12	686	699	762	428	323	300	370	551
14	686	699	762	465	355	400	380	590
16 × 14	762	775	838	465	355	400	380	731
16	762	775	838	528	398	450	430	896
18 × 16	864	876	914	528	398	450	430	945
18	864	876	914	564	437	500	510	1200
20 × 18	914	927	991	564	437	500	510	1443
20	914	927	991	577	453	500	510	1550
24 × 20	1067	1080	1143	577	453	500	510	2030
22	⊕991	-	⊕1092	365	499	500	510	2052
24	1067	1080	1143	667	536	500	510	2592
30 × 24	1295	-	1397	667	536	500	510	-
26	1143	-	1245	705	564	550	530	3193
28	1245	-	1346	754	600	550	530	3860
30	1295	-	1397	806	640	762	-	4398
36 × 30	1524	-	1727	806	640	762	-	5055
32	1372	-	1524	848	698	812	-	5218
34	1473	-	1626	883	750	914	-	6210
36	1524	-	1727	1001	818	914	-	7490
40	⊕1753	-	⊕1956	1245	880	914	-	10089

⊕L由厂方与用户协商确定(L will be confirmed by the customer and factory);

⊙ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

Full Welded Trunnion Ball Valve

主要外形尺寸 / Main Dimensions CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W≈ (Kg)
6	559	562	559	350	216	300	254	243
8×6	660	664	660	350	216	300	254	249
8	660	664	660	355	254	400	342	254
10×8	787	791	787	355	254	400	342	-
10	787	791	787	484	296	400	342	346
12×10	838	841	838	484	296	400	342	450
12	838	841	838	549	345	400	380	534
14×12	889	892	889	549	345	400	380	618
14	889	892	889	608	378	450	430	782
16×14	991	994	991	608	378	450	430	1008
16	991	994	991	630	416	500	510	1205
18×16	1092	1095	1092	630	416	500	510	1422
18	1092	1095	1092	670	460	500	510	1595
20×18	1194	1200	1194	670	460	500	510	1843
20	1194	1200	1194	712	477	550	530	2038
24×20	1397	1407	1397	712	477	550	530	2686
22	1295	1305	1295	758	522	812	-	2708
24	1397	1407	1397	798	558	812	-	3396
30×24	1651	1664	1651	798	558	812	-	4496
26	1448	1461	1448	850	507	812	-	4154
28	1549	1562	1549	885	645	812	-	5108
30	1651	1664	1651	940	684	914	-	5784
36×30	2083	2099	2083	940	684	914	-	7051
32	1778	1794	1778	988	735	914	-	6906
34	1930	1946	1930	1028	783	914	-	8238
36	2083	2099	2083	1068	845	914	-	9860
40	※2337	※2337	※2337	1188	920	914	-	13583

主要外形尺寸 / Main Dimensions CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)	E≈ (mm)	W≈ (Kg)
6	705	711	705	305	281	400	380	340
8×6	832	841	832	305	281	400	380	350
8	832	841	832	365	327	450	430	378
10×8	991	1000	991	365	327	450	430	405
10	991	1000	991	440	392	500	510	450
12×10	1130	1146	1130	440	392	500	510	650
12	1130	1146	1130	596	425	500	510	766
14×12	1257	1276	1257	596	425	500	510	1068
14	1257	1276	1257	661	500	550	530	1112
16×14	1384	1406	1384	661	500	550	530	1570
16	1384	1406	1384	725	560	550	530	1695
18×16	※1537	※1559	※1537	725	560	550	530	2138
18	※1537	※1559	※1537	789	590	812	-	2320
20×18	※1664	※1686	※1664	789	590	812	-	1980
20	※1664	※1686	※1664	843	725	914	-	2940
24×20	※2043	※2071	※2043	843	725	914	-	3310
24	※2043	※2071	※2043	978	813	914	-	4908

※L由方厂与用户协商确定 (L will be confirmed by the costumer and factory);

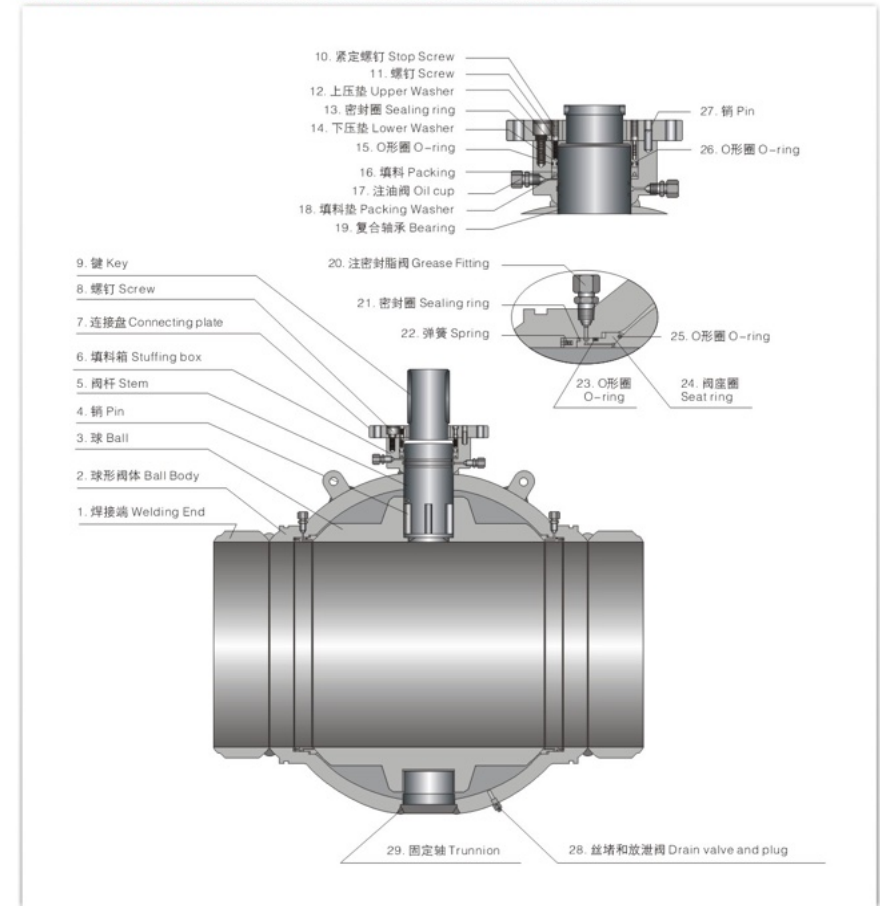
◎规则孔(Regular bore); ①缩孔(Reduce bore); W指RF法兰面球阀重量 (The W in the table means weight of RF End Ball Valve)

Full Welded Trunnion Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造 (Design and Manufacture): API 6D, ASME B16.34 (B5 S351), API 608, MSS-SP-72
- 结构长度尺寸 (Face to Face Dimension): ASME B16.10, API 6D
- 法兰连接尺寸 (Flange Connection Dimension): ASME B16.5, NPS ≥ 26" PER as ASME B16.47
- 对焊端尺寸 (BW Connection Dimension): ASME B16.25
- 检查和试验 (Test and Inspection): API 598, API 6D
- 防火设计 (Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆 (Anti-Static Design & Anti Blow-Out Stem)

全焊固定球阀主要结构图形 / Full Welded Trunnion Ball Valve Major Features



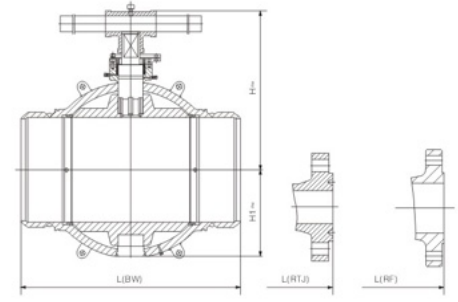
Full Welded Trunnion Ball Valve

主要材料 / Main Material

150Lb~2500Lb

序号 No.	名称 Part Name	材料 Material
1	焊接端 Welding end	A105、A350-LF2、A182-F304、F316、A537
2	球形阀体 Ball body	A105、A350-LF2、A182-F304、F316、A537
3	球 Ball	A105+ENP、A350-LF2+ENP、A182-F6、F304、F316
4	销 Pin	STAINLESS STEEL
5	阀杆 Stem	1045+ENP、A182-F6、F304、F316、4140+ENP、5140+ENP、17-4PH
6	填料箱 Stuffing box	A105+ENP、A182-F6、F304、F316
7	连接盘 Connecting plate	1025、A216 WCB、A351 CF8
8	螺钉 Screw	1035、STAINLESS STEEL
9	键 Key	1045
10	紧固螺钉 Stop screw	1045、STAINLESS STEEL
11	螺钉 Screw	1035、STAINLESS STEEL
12	上压垫 Upper Washer	STAINLESS STEEL
13	密封圈 Sealing ring	FLEXIBLE GRAPHITE
14	下压垫 Lower Washer	STAINLESS STEEL
15	O形圈 O-ring	NBR、VITON
16	填料 Packing	PTFE
17	注油阀 Oil cup	1025、SS304
18	填料垫 Packing Washer	STAINLESS STEEL
19	复合轴承 Bearing	1045+RPTFE、SS304+RPTFE
20	注密封脂阀 Grease Fitting	1025、Ss304、SS316
21	密封圈 Sealing ring	FLEXIBLE GRAPHITE
22	弹簧 Spring	SS304、INCONEL
23	O形圈 O-ring	VITON
24	阀座圈 Seat ring	A105+ENP、A182-F6、F304、F316
25	O形圈 O-ring	VITON
26	O形圈 O-ring	VITON
27	销 PIN	AISI 1566、1045
28	丝堵和放泄阀 Drain valve and plug	1025、SS304、SS316
29	固定轴 Trunnion	1045+ENP、A182-F6、F304、4140+ENP、5140+ENP、17-4PH

Full Welded Trunnion Ball Valve



QF206761W | 1-QF206761W | 2

主要外形尺寸 / Main Dimensions

CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	178	191	216	143	100	250
2 1/2	191	203	241	180	108	250
3 × 2 [⊗]	203	216	283	143	100	250
3	203	216	283	232	130	250
4 × 3 [⊗]	229	241	305	232	130	350
4	229	241	305	243	151	350
6 × 4 [⊗]	394	406	457	243	151	450

CLASS 300Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	216	232	216	158	87	350
2 1/2	241	257	241	200	107	300
3 × 2 [⊗]	283	298	283	158	87	250
3	283	298	283	220	122	350
4 × 3 [⊗]	305	321	305	220	122	350
4	305	321	305	282	148	450
6 × 4 [⊗]	403	419	403	282	148	450

主要外形尺寸 / Main Dimensions

CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	292	295	292	195	100	500
2 1/2	330	333	330	212	115	600
3 × 2 [⊗]	356	359	356	195	100	500
3	356	359	356	247	126	700
4 × 3 [⊗]	432	435	432	275	154	700
4	432	435	432	275	154	900
6 × 4 [⊗]	559	562	559	275	154	900

CLASS 900Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	368	371	368	217	118.5	500
2 1/2	419	422	419	241	133	500
3 × 2 [⊗]	381	384	381	217	118.5	500
3	381	384	381	259	141	900
4 × 3 [⊗]	457	460	457	259	141	900
4	457	460	457	297	167	1000
6 × 4 [⊗]	610	613	610	297	167	1000

主要外形尺寸 / Main Dimensions

CLASS 1500Lb

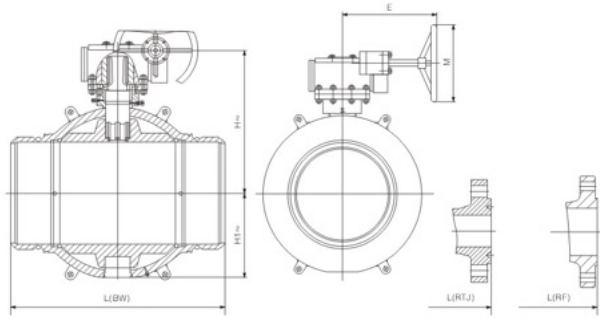
SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	368	371	368	237	122	800
2 1/2	419	422	419	261	148	900
3 × 2 [⊗]	470	473	470	237	122	800
3	470	473	470	269	163	1000
4 × 3 [⊗]	546	549	546	269	163	1000
4	546	549	546	297	173	1000
6 × 4 [⊗]	705	711	705	297	173	1000

CLASS 2500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H≈ (mm)	H1≈ (mm)	M≈ (mm)
2	451	454	451	240	129	1000
2 1/2	508	514	508	270	135	1000
3 × 2 [⊗]	578	584	578	240	129	1000
3	578	584	578	300	159	1000
4 × 3 [⊗]	673	683	673	300	159	1000
4	673	683	673	350	204	1000
6 × 4 [⊗]	914	927	914	350	204	1000

⊗ 规则孔(Regular bore); ⊙ 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

Full Welded Trunnion Ball Valve



QF236761W I 1-QF236761W I 2

主要外形尺寸 / Main Dimensions CLASS 150Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)
6	394	406	457	280	178	300	254
8×6	457	470	521	280	178	300	254
8	457	470	521	305	225	300	254
10×8	533	546	559	305	225	300	254
10	533	546	559	395	257	400	270
12×10	610	622	635	395	257	400	270
12	610	622	635	428	323	400	320
14×12	686	699	762	428	323	400	320
14	686	699	762	465	355	400	380
16×14	762	775	838	465	355	400	380
16	762	775	838	528	398	450	430
18×16	864	876	914	528	398	450	430
18	864	876	914	564	437	500	510
20×18	914	927	991	564	437	500	510
20	914	927	991	577	453	500	510
24×20	1067	1080	1143	577	453	500	510
22	※991	-	※1092	365	499	500	510
24	1067	1080	1143	667	536	500	510
30×24	1295	-	1397	667	536	500	510
26	1143	-	1245	705	564	550	530
28	1245	-	1346	907	708	812	-
30	1295	-	1397	949	750	812	-
36×30	1524	-	1727	949	750	812	-
32	1372	-	1524	-	-	812	-
34	1473	-	1626	1016	817	812	-
36	1524	-	1727	1057	858	914	-
40	※1753	-	※1956	1276	1020	914	-

① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

Full Welded Trunnion Ball Valve

主要外形尺寸 / Main Dimensions CLASS 600Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)
6	559	562	559	350	100	300	254
8×6	660	664	660	350	100	300	254
8	660	664	660	355	115	400	342
10×8	787	791	787	484	115	400	342
10	787	791	787	484	126	400	342
12×10	838	841	838	549	126	400	342
12	838	841	838	549	154	400	380
14×12	889	892	889	549	154	400	380
14	889	892	889	608	198	450	430
16×14	991	994	991	608	198	450	430
16	991	994	991	630	352	500	510
18×16	1092	1095	1092	630	352	500	510
18	1092	1095	1092	670	317	500	510
20×18	1194	1200	1194	670	317	500	510
20	1194	1200	1194	762	343	550	530
24×20	1397	1407	1397	762	405	550	530
22	1295	1305	1295	801	377	812	-
24	1397	1407	1397	840	405	812	-
30×24	1651	1664	1651	840	455	812	-
26	1448	1461	1448	872	673	812	-
28	1549	1562	1549	1041	784	812	-
30	1651	1664	1651	1083	826	914	-
36×30	2083	2099	2083	1083	826	914	-
32	1778	1794	1778	-	-	914	-
34	1930	1946	1930	1151	894	914	-
36	2083	2099	2083	1192	935	914	-
40	※2337	※2337	※2337	1408	1067	914	-

主要外形尺寸 / Main Dimensions CLASS 1500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)
6	705	711	705	305	211	400	380
8×6	832	841	832	305	211	400	380
8	832	841	832	365	274	450	430
10×8	991	1000	991	365	274	450	430
10	991	1000	991	440	310	500	510
12×10	1130	1146	1130	440	310	500	510
12	1130	1146	1130	596	440	500	510
14×12	1257	1276	1257	596	440	500	510
14	1257	1276	1257	661	442	550	530
16×14	1384	1406	1384	661	442	550	530
16	1384	1406	1384	684	483	550	530
18×16	※1537	※1559	※1537	684	483	550	530
18	※1537	※1559	※1537	856	576	812	-
20×18	※1664	※1686	※1664	856	576	812	-
20	※1664	※1686	※1664	895	615	914	-
24×20	※2043	※2071	※2043	895	615	914	-
24	※2043	※2071	※2043	970	713	914	-

※L由方厂与用户协商确定(L will be confirmed by the costumer and factory);

① 规则孔(Regular bore); ② 缩孔Reduce bore; W指RF法兰面球阀重量(The W in the table means weight of RF End Ball Valve)

CLASS 900Lb

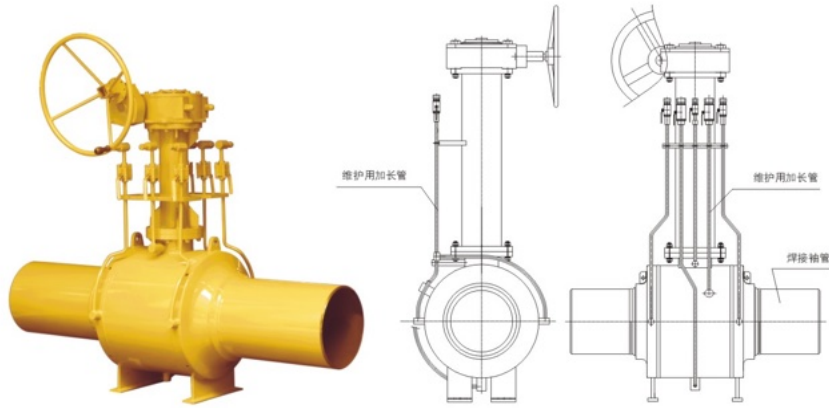
SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)
6	610	613	610	360	250	400	380
8×6	737	740	737	360	250	400	380
8	737	740	737	394	280	450	430
10×8	838	841	838	394	260	450	430
10	838	841	838	502	325	500	510
12×10	965	968	965	502	325	500	510
12	965	968	965	572	380	500	510
14×12	1029	1038	1029	572	380	500	510
14	1029	1038	1029	675	395	550	530
16×14	1130	1140	1130	675	395	550	530
16	1130	1140	1130	762	406	550	530
18×16	1219	1232	1219	762	406	550	530
18	1219	1232	1219	868	418	550	530
20×18	1321	1334	1321	868	418	550	530
20	1321	1334	1321	895	615	550	530
24×20	1549	1568	1549	895	615	550	530
24	1549	1568	1549	970	713	812	-
30×24	※1880	※1902	※1880	970	713	812	-
26	※1651	※1674	※1651	-	-	914	-
28	※1753	※1775	※1753	-	-	914	-
30	※1880	※1902	※1880	1083	826	914	-
36×30	※2286	※2315	※2286	1083	826	914	-
32	※2032	※2054	※2032	-	-	914	-
34	※2159	※2188	※2159	-	-	914	-
36	※2286	※2315	※2286	1322	981	914	-

CLASS 2500Lb

SIZE (in)	L(RF) (mm)	L(RTJ) (mm)	L(BW) (mm)	H (mm)	H1 (mm)	M (mm)	E (mm)
6	6	927	914	345	250	450	430
8×6	1022	1038	1022	345	250	450	430
8	1022	1038	1022	402	340	500	510
10×8	1270	1292	1270	402	340	500	510
10	1270	1292	1270	500	411	500	510
12×10	1422	1445	1422	500	480	500	510
12	1422	1445	1422	650	480	550	530

Full Welded Trunnion Ball Valve

加长全焊球阀结构形式 / Extended Full Welded Ball Valve Construction



加长全焊球阀工况设计 / Extended Design Condition Of The Full Welded Ball Valve

用于埋地工况的阀门，设置阀门加长杆、维护用加长管（两侧通道排气管+两侧阀座注脂管+阀体底部排污管）和控制阀，使阀门操作位置至于地面上方便于操作的位置。阀门表面耐蚀沥青涂覆保护或环氧树脂保护、现场管道跨接及阴极保护措施，适应埋地使用环境。

For buried valves, we use extended stem and extended pipe for maintaining use(vent pipe of the two sides port+ injection valve of the two side seat+ drain valve of the body) and control valve to realize the purpose of operating the valve upper the ground. The valve is protected by tar painting or epoxy and also take measures such as jumper and cathode protection to adjust to the buried using circumstance.



特点：该结构工艺性较好，便于阀杆部分的安装,对于大口径全焊接球阀尤其适合。

(两体适用于小口径全焊接球阀，三体适用于大口径全焊接球阀)

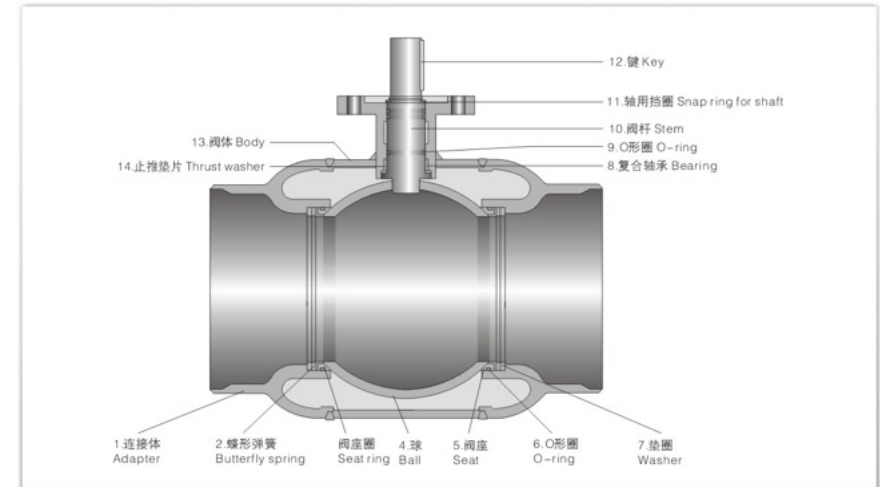
Characteristic: this structure has a wonderful structure which is convenient to assemble the stem part, and it is quite suitable for the full-welded valve with a large diameter.

District Heating Full Welded Ball Valve

主要参数 / Main Parameter Specification

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): 按厂标 (Manufacturer's specification)
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D

供热全焊球阀主要结构图 / District Heating Full Welded Ball Valve Major Features



主要材料 / Main Material

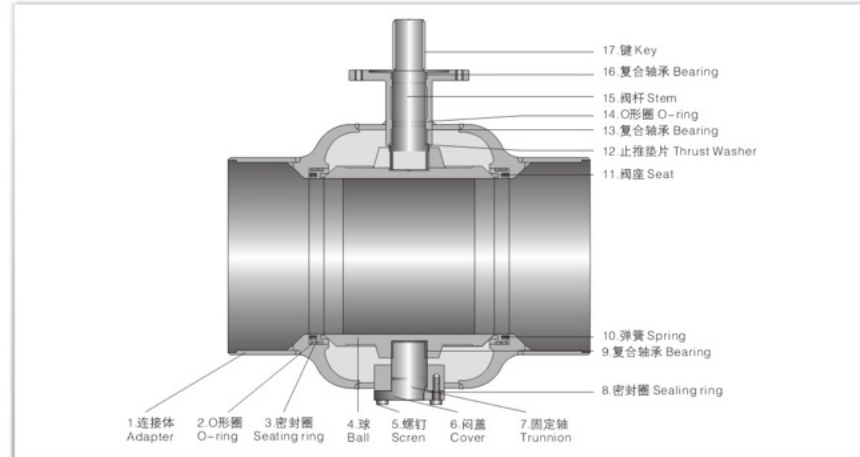
序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	1020, A53
2	蝶形弹簧 Butterfly Spring	SS304
3	阀座圈 Seat ring	SS304
4	球 Ball	SS304
5	阀座 Seat	PTFE, RPTFE, NYLON, POM, PPL, PEEK, KARBATE, MOLON, DEVLON
6	O形圈 O-ring	VITON
7	垫圈 Washer	SS304
8	复合轴承 Bearing	1045+RPTFE
9	键 Key	1045
10	轴用挡圈 Snap Ring for Shaft	AISI 1566
11	阀杆 Stem	A182-F6, F304, F316, F304L, F316L, F321, 17-4PH
12	O形圈 O-ring	VITON
13	阀体 Body	1020
14	止推垫片 Thrust Washer	PTFE, RPTFE, STAINLESS STEEL

District Heating Full Welded Ball Valve

供热全焊球阀主要结构图 / District Heating Full Welded Ball Valve Major Features

- 设计和制造(Design and Manufacture): API 6D, ASME B16.34(B55351), API 608, MSS-SP-72
- 结构长度尺寸(Face to Face Dimension): 按厂标 (Manufacturer's Specification)
- 法兰连接尺寸(Flange Connection Dimension): ASME B16.5, NPS \geq 26"PER as ASME B16.47
- 对焊端尺寸(BW Connection Dimension): ASME B16.25
- 检查和试验(Test and Inspection): API 598, API 6D
- 防火设计(Fire-Safe Design): API 607/6FA
- 防静电设计和防爆阀杆(Anti-Static Design & Anti Blow-Out Stem)

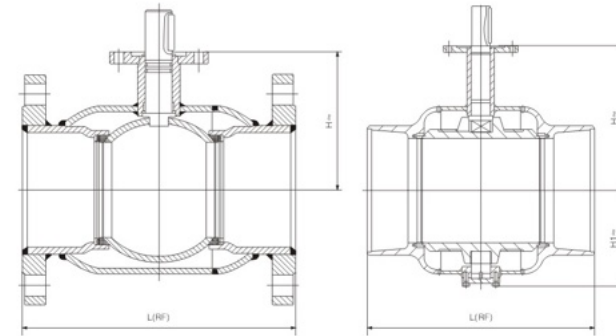
供热全焊球阀主要结构图 / District Heating Full Welded Ball Valve Major Features



主要材料 / Main Material

序号 No.	名称 Part Name	材料 Material
1	连接体 Adapter	1020
2	O形圈 O-ring	VITON
3	阀座圈 Seat ring	SS304
4	球 Ball	SS304
5	螺钉 Screws	1035
6	阀盖 Cover	1025
7	固定轴 Trunnion	A276-T410
8	密封圈 Sealing ring	SS304, SS316+FLEXIBLE GRAPHITE SPIRAL WOUND
9	复合轴承 Bearing	1045+RPFE
10	弹簧 Spring	SS304, 17-4PH, INCONEL
11	阀座 Seat	PTFE, RPTFE, NYLON, PEEK, PPL, POM, KARBATE, MOLOM, DEVLON
12	止推垫片 Thrust washer	PTFE, RPTFE, STAINLESS STEEL+N
13	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE, SS316+RPTFE
14	O形圈 O-ring	VITON
15	阀杆 Stem	A182-F6.304
16	复合轴承 Bearing	1045+RPTFE, SS304+RPTFE, SS304+RPTFE
17	键 Key	1045

District Heating Full Welded Ball Valve



主要外形尺寸 / Main Dimensions

SIZE in	L(RF)mm		L(BW)mm		H mm	H1 mm
	150Lb	300Lb	150Lb	300Lb		
6	-	-	350	350	200	-
8x6	457	502	400	400	200	-
8	-	-	580	580	243	-
10x8	533	568	560	560	243	-
10	-	-	550	550	315	-
12x10	610	648	635	635	315	-
12	-	-	630	630	400	335
14x12	686	762	650	650	400	335
14	-	-	762	762	430	370
16x14	762	838	760	760	430	370
16	-	-	840	840	477	400
18x14	846	914	842	842	430	370
18	-	-	842	842	550	437
20x16	914	991	910	910	477	400
20	-	-	1010	1010	580	453
22x18	-	-	1092	1092	550	437
22	-	1092	1092	1092	610	500
24x20	1067	-	1065	1065	580	433
24	-	1143	1140	1140	650	600

◎ 规则孔(Regular bore);