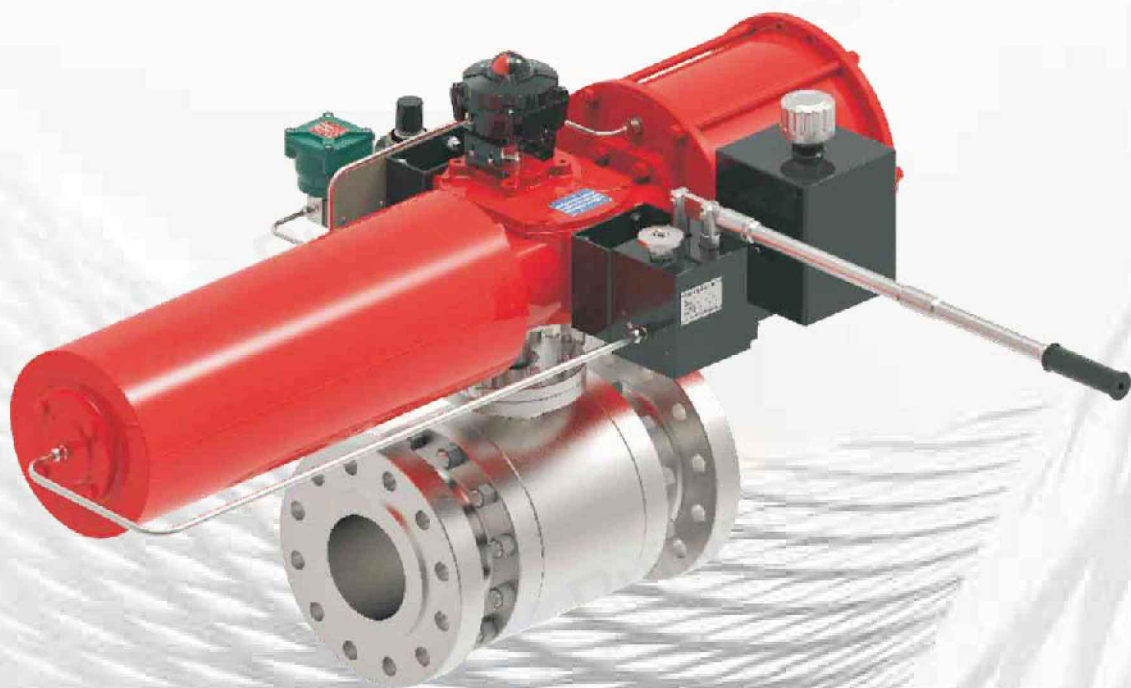


BALL VALVE

Ingenuity Intelligent Future
Fine Workmanship Excellent Quality



COMPANY PROFILE

Innovation Leads The Future

Ruiward (Wenzhou) Industrial Technology Co., Ltd. is a quality supplier of pneumatic actuators and ball valves integrating science, industry and trade, and is committed to providing professional process industrial valve solutions.

AT series rack and pinion pneumatic actuators, G series fork type pneumatic actuators, Z series straight stroke pneumatic actuators and API/ANSI, DIN, BS, JIS, GB different standards of stainless steel, carbon steel, titanium and other materials of ball valves as the leading industry.

We have an independent R & D design team, using AutoCAD, Solidworks and other software to support R & D and upgrade; The use of precision CNC machining center, heat treatment equipment, anti-corrosion coating production line to optimize the production process; The use of spectrometer, Vickers hardness tester, material tensile tester, static torque tester, dynamic torque tester, load life tester, valve pressure test bench, valve flow CV value test bench and other instruments and equipment for strict quality control.

Today, Ruiward industrial pneumatic actuator products cover the torque range of 5Nm~ 300000Nm; Ball valve products are WCB, WC1, C5, WC6, WC9, C12, CF8, CF8M, CF3, CF3M and Monel and other materials, pressure grade covers 150Lb ~ 2500Lb, 0.6 ~ 42MPa, diameter specifications 1/4 "-78", 10mm-2000mm; Products are exported to Europe, America, Southeast Asia, the Middle East and other regions, widely used in petroleum, chemical, electric power, metallurgy, light industry, electronics, dyes, leather, textile, military, new energy, water treatment, refrigeration, pharmaceutical, food, biology, water supply and other industries.

In the future, we will always adhere to the "focus, professional, innovation, integrity" business philosophy, dedicated to provide new and old users with perfect service, detailed consultation, standard selection, to create a full set of industrial valve engineering solution system.



Species

60⁺

District

20⁺

Authentication

35⁺

CORPORATE CULTURE



01

Enterprise Mission

Integrity flying dream, fine art harvest hope.

02

Corporate Vision

Make positive progress and work hard.

03

Core Values

Create perfection, serve society.

04

Enterprise Spirit

People-oriented, the pursuit of excellence.



Strict and orderly, common development. The structure is precise, the division of labor is fine, and the cooperation is sincere, which lays a quantitative foundation for every leap of Toros. Scientific and effective management, bold and timely decision-making, comprehensive and fresh information feedback, so that Toros will always win the market opportunity.



Strategizes in the tent, wins a decisive victory thousands of miles away, and successfully crosses a qualitative threshold. The essence of precipitation, calm face, let the Toros through the wind and waves, sail away. "Never complacent, excellence, the pursuit of excellence" has become the common aspiration of all employees of Toros.

TWO-STAGE FORGED STEEL FLANGED BALL VALVE

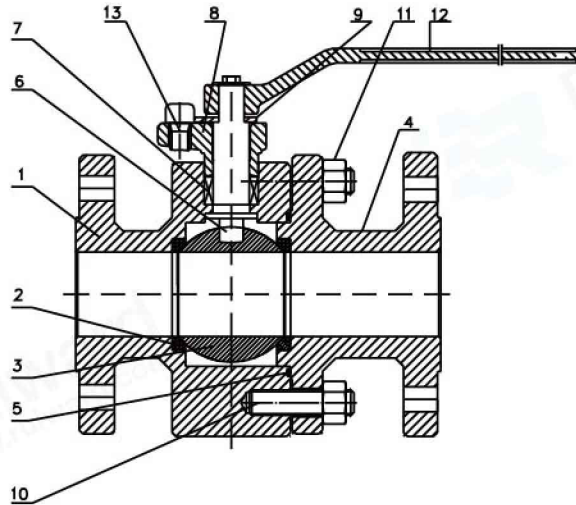
The product parts are forgings.;The bottom-mounted valve stem is set with an inverted sealing structure to ensure reliable sealing at the packing and prevent the valve stem from coming out.



Product performance standards

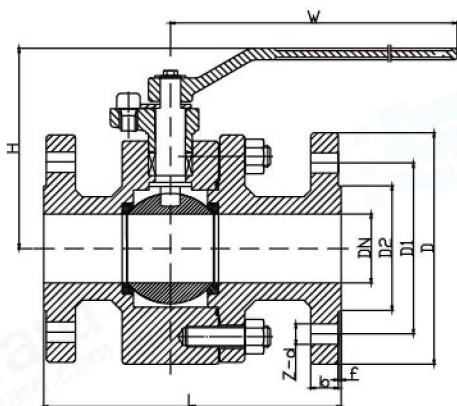
Design Manufacture	API 6D API608 / ASME B16.34	Flange Size	ASME B16.25
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Fire Protection Design	API 607		

Main Part Name And Material



No.	Parts Name	Material			
		ASTM A105	A182 F304	A182 F316	A182 F316L
1	Body	ASTM A105	A182 F304	A182 F316	A182 F316L
2	Seat	PTFE / RPTFE / NYLON / STL			
3	Ball	SS304	SS304	SS316	SS316L
4	Cover	ASTM A105	A182 F304	A182 F316	A182 F316L
5	Gasket	PTFE / Flexible Graphite			
6	Stem	SS304	SS304	SS316	SS316L
7	Filler	PTFE / Flexible Graphite			
8	Compression Sleeve	SS304	SS304	SS316	SS316L
9	Positioning Pieces	A283D / STAINLESS / STEEL			
10	Bolt	A192 2H	A194 8	A194 8M	A194 8M
11	Nut	A193 B7	A193 B8	A193 B8M	A193 B8M
12	Handle	A283D / STAINLESS / STEEL			
13	Screw	A193 B7	A193 B8	A193 B8M	A193 B8M

Main Connection Size



Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d
	DN	NPS	RF	RTJ						
150LB	15	1/2	108	119	89	60.5	35	11.5	1.6	4-15
	20	3/4	117	130	98	70	43	11.5	1.6	4-15
	25	1	127	140	108	79.5	51	12	1.6	4-15
	32	1-1/4	140	153	117	89	64	13	1.6	4-15
	40	1-1/2	165	178	127	98.5	73	15	1.6	4-15
	50	2	178	191	152	120.5	92	16	1.6	4-19
	65	2-1/2	190	203	178	139.7	105	18	1.6	4-19
	80	3	203	216	190	152.5	127	19	1.6	4-19
	100	4	229	242	229	190.5	157	24	1.6	8-19
300LB	15	1/2	140	151	95	66.5	35	14.3	1.6	4-15
	20	3/4	152	165	117	82.5	43	15.9	1.6	4-19
	25	1	165	178	124	89	51	17.5	1.6	4-19
	32	1-1/4	178	191	133	98.5	64	19.1	1.6	4-19
	40	1-1/2	190	203	156	114.5	73	20.7	1.6	4-22
	50	2	216	232	165	127	92	22	1.6	8-19
	65	2-1/2	241	257	190	149	105	25	1.6	8-22
	80	3	283	299	210	168	170	29	1.6	8-22
	100	4	305	321	254	200	157	32	1.6	8-22

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d
	DN	NPS	RF	RTJ						
600LB	15	1/2	165	165	95	66.5	35	14.3	6.4	4-16
	20	3/4	190	190	118	82.5	43	15.9	6.4	4-19
	25	1	216	216	124	89	51	17.5	6.4	4-19
	32	1-1/4	229	229	133	98.5	64	21	6.4	4-19
	40	1-1/2	241	241	156	114.5	73	22.3	6.4	4-22
	50	2	292	292	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
900LB	15	1/2	216	165	121	82.5	35	22.5	6.4	4-23
	20	3/4	229	190	130	89	43	25.5	6.4	4-23
	25	1	254	216	149	101.6	51	29	6.4	4-26
	32	1-1/4	279	241	159	111.1	64	29	6.4	4-26
	40	1-1/2	305	292	178	123.8	73	32	6.4	4-29
	50	2	368	371	216	165.1	92	38.5	6.4	8-26

THREE-STAGE FORGED STEEL FLANGED BALL VALVE

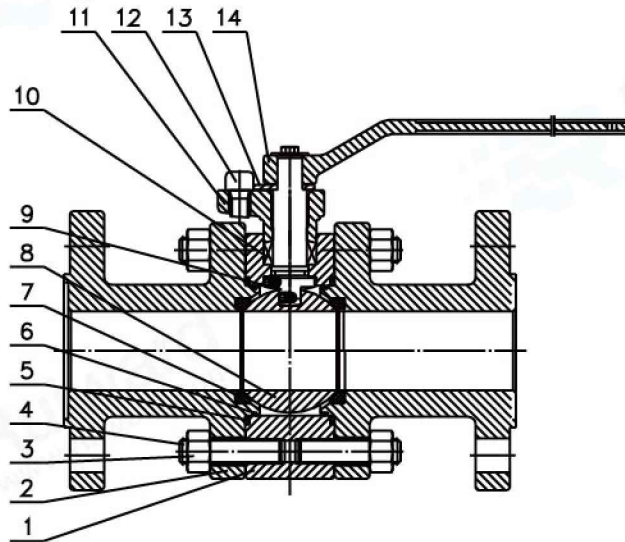
The product parts are forgings. Adopt inlaid valve seat. An O-ring is set behind the valve seat, Make sure that the medium does not leak.



Product performance standards

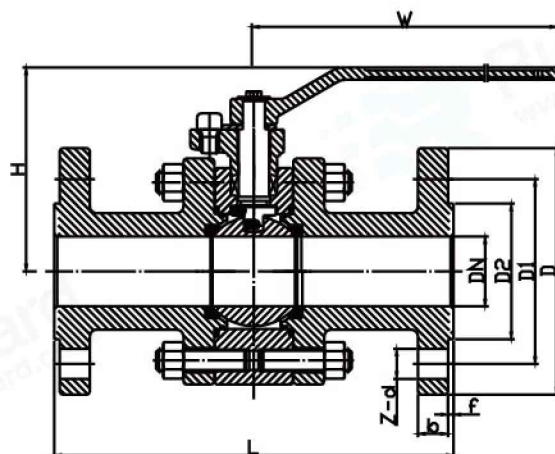
Design Manufacture	API 6D API608 / ASME B16.34	Flange Size	ASME B16.25
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Fire Protection Design	API 607		

Main Part Name And Material



No.	Parts Name	Material			
		ASTM A105	A182 F304	A182 F316	A182 F316L
1	Body	ASTM A105	A182 F304	A182 F316	A182 F316L
2	Cover	ASTM A105	A182 F304	A182 F316	A182 F316L
3	Nut	A193 B7	A193 B8	A193 B8M	A193 B8M
4	Bolt	A192 2H	A194 8	A194 8M	A194 8M
5	Gasket	PTFE / Flexible Graphite			
6	O-ring	Viton	Viton	Viton	Viton
7	Seat	PTFE / RPTFE / NYLON / STL			
8	Ball	SS304	SS304	SS316	SS316L
9	Stem	SS304	SS304	SS316	SS316L
10	Filler	Flexible Graphite			
11	Compression sleeve	SS304	SS304	SS316	SS316L
12	Screw	A193 B7	A193 B8	A193 B8M	A193 B8M
13	Positioning pieces	A283D / STAINLESS / STEEL			
14	Handle	A283D / STAINLESS / STEEL			

Main Connection Size



Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d
	DN	NPS	RF	RTJ						
150LB	15	1/2	108	119	89	60.5	35	11.5	1.6	4-15
	20	3/4	117	130	98	70	43	11.5	1.6	4-15
	25	1	127	140	108	79.5	51	12	1.6	4-15
	32	1-1/4	140	153	117	89	64	13	1.6	4-15
	40	1-1/2	165	178	127	98.5	73	15	1.6	4-15
	50	2	178	191	152	120.5	92	16	1.6	4-19
	65	2-1/2	190	203	178	139.7	105	18	1.6	4-19
	80	3	203	216	190	152.5	127	19	1.6	4-19
	100	4	229	242	229	190.5	157	24	1.6	8-19
300LB	15	1/2	140	151	95	66.5	35	14.3	1.6	4-15
	20	3/4	152	165	117	82.5	43	15.9	1.6	4-19
	25	1	165	178	124	89	51	17.5	1.6	4-19
	32	1-1/4	178	191	133	98.5	64	19.1	1.6	4-19
	40	1-1/2	190	203	156	114.5	73	20.7	1.6	4-22
	50	2	216	232	165	127	92	22	1.6	8-19
	65	2-1/2	241	257	190	149	105	25	1.6	8-22
	80	3	283	299	210	168	170	29	1.6	8-22
	100	4	305	321	254	200	157	32	1.6	8-22

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d
	DN	NPS	RF	RTJ						
600LB	15	1/2	165	165	95	66.5	35	14.3	6.4	4-16
	20	3/4	190	190	118	82.5	43	15.9	6.4	4-19
	25	1	216	216	124	89	51	17.5	6.4	4-19
	32	1-1/4	229	229	133	98.5	64	21	6.4	4-19
	40	1-1/2	241	241	156	114.5	73	22.3	6.4	4-22
	50	2	292	292	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
900LB	15	1/2	216	165	121	82.5	35	22.5	6.4	4-23
	20	3/4	229	190	130	89	43	25.5	6.4	4-23
	25	1	254	216	149	101.6	51	29	6.4	4-26
	32	1-1/4	279	241	159	111.1	64	29	6.4	4-26
	40	1-1/2	305	292	178	123.8	73	32	6.4	4-29
	50	2	368	371	216	165.1	92	38.5	6.4	8-26

AMERICAN STANDARD FLOATING BALL VALVE

It has the characteristics of large flow capacity, compact structure, good sealing performance and long life.

Economical, practical and easy to maintain.

Widely used in places with strict requirements such as petroleum, chemical industry, natural gas, electric power, metallurgy, food, pharmaceuticals, etc.



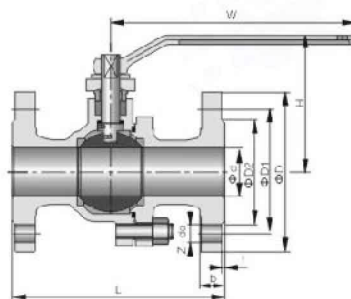
Product performance standards

Design Manufacture	API 6D API608 / ASME B16.34	Flange Size	ASME B16.5
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Fire Protection Design	API 607		

Main Part Name And Material



No.	Parts Name	Material				
		WCB/A105+HCr	WCB/304	WCB/316	CF8	CF8M
1	Body	A216 Wcb	A216 Wcb	A216 Wcb	A351 Cf8	A351 Cf8m
2	Packing	Ptfe	Ptfe	Ptfe	Ptfe	Ptfe
3	Bushing	Ptfe	Ptfe	Ptfe	Ptfe	Ptfe
4	Packing	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F304
5	Plate	A216 Wcb	A216 Wcb	A216 Wcb	A351 Cf8	A351 Cf8m
6	Screw	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8m
7	Stop Collar	Carbon Steel	Carbon Steel	Carbon Steel	Stainless Steel	Stainless Steel
8	Circlip	Carbon Steel	Carbon Steel	Carbon Steel	Stainless Steel	Stainless Steel
9	Lever	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
10	Nut	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
11	Back Seat Gasket	Ptfe	Ptfe	Ptfe	Ptfe	Ptfe
12	Stem	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F316
13	Ball	A105+hcr(enp)	A182 F304	A182 F316	A182 F304	A182 F316
14	Seat Ring	Rptfe	Rptfe	Rptfe	Rptfe	Rptfe
15	Gasket	Ptfe	Ptfe	Ptfe	Ptfe	Ptfe
16	Bolt	A192 2h	A192 2h	A192 2h	A194 8	A194 8m
17	Nut	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8m
18	Cover	A216 Wcb	A216 Wcb	A216 Wcb	A351 Cf8	A351 Cf8m



Hand wheel



Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q41F Q41Y 150LB	15	1/2	108	119	89	60.5	35	11.5	1.6	4-15
	20	3/4	117	130	98	70	43	11.5	1.6	4-15
	25	1	127	140	108	79.5	51	12	1.6	4-15
	32	1-1/4	140	153	117	89	64	13	1.6	4-15
	40	1-1/2	165	178	127	98.5	73	15	1.6	4-15
	50	2	178	191	152	120.5	92	16	1.6	4-19
	65	2-1/2	190	203	178	139.7	105	18	1.6	4-19
	80	3	203	216	190	152.5	127	19	1.6	4-19
	100	4	229	242	229	190.5	157	24	1.6	8-19
	125	5	256	369	254	215.9	186	24	1.6	8-22
	150	6	394	407	279	241.5	261	26	1.6	8-22
	200	8	457	470	343	298.5	270	29	1.6	8-22
	250	10	533	546	406	362	324	31	1.6	12-25
Q41F Q41Y 300LB	15	1/2	140	151	95	66.5	35	14.3	1.6	4-15
	20	3/4	152	165	117	82.5	43	15.9	1.6	4-19
	25	1	165	178	124	89	51	17.5	1.6	4-19
	32	1-1/4	178	191	133	98.5	64	19.1	1.6	4-19
	40	1-1/2	190	203	156	114.5	73	20.7	1.6	4-22

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q41F Q41Y 300LB	50	2	216	232	165	127	92	22	1.6	8-19
	65	2-1/2	241	257	190	149	105	25	1.6	8-22
	80	3	283	299	210	168	170	29	1.6	8-22
	100	4	305	321	254	200	157	32	1.6	8-22
	125	5	381	397	279	235	186	35	1.6	8-22
	150	6	403	419	318	270	216	37	1.6	12-22
	200	8	502	518	381	330	270	41	1.6	12-25
Q41F Q41Y 600LB	15	1/2	165	165	95	66.5	35	14.3	6.4	4-16
	20	3/4	190	190	118	82.5	43	15.9	6.4	4-19
	25	1	216	216	124	89	51	17.5	6.4	4-19
	32	1-1/4	229	229	133	98.5	64	21	6.4	4-19
	40	1-1/2	241	241	156	114.5	73	22.3	6.4	4-22
	50	2	292	292	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
Q41F Q41Y 900LB	15	1/2	216	165	121	82.5	35	22.5	6.4	4-23
	20	3/4	229	190	130	89	43	25.5	6.4	4-23
	25	1	254	216	149	101.6	51	29	6.4	4-26
	32	1-1/4	279	241	159	111.1	64	29	6.4	4-26
	40	1-1/2	305	292	178	123.8	73	32	6.4	4-29
	50	2	368	371	216	165.1	92	38.5	6.4	8-26

AMERICAN STANDARD FIXED BALL VALVE

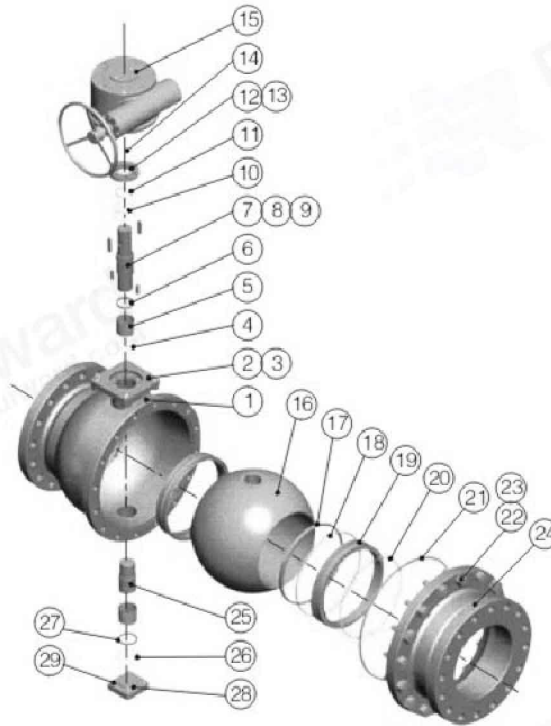
The fixed ball valve is a new generation of high-performance ball valve, suitable for long-distance pipelines and general industrial pipelines. Its strength, safety, and harsh environment resistance have been specially considered in the design, and it is suitable for various corrosive and non-corrosive media.



Product performance standards

Design Manufacture	API 6D API608 / ASME B16.34	Flange Size	ASME B16.5
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Fire Protection Design	API 607, API6FA		

Main Part Name And Material

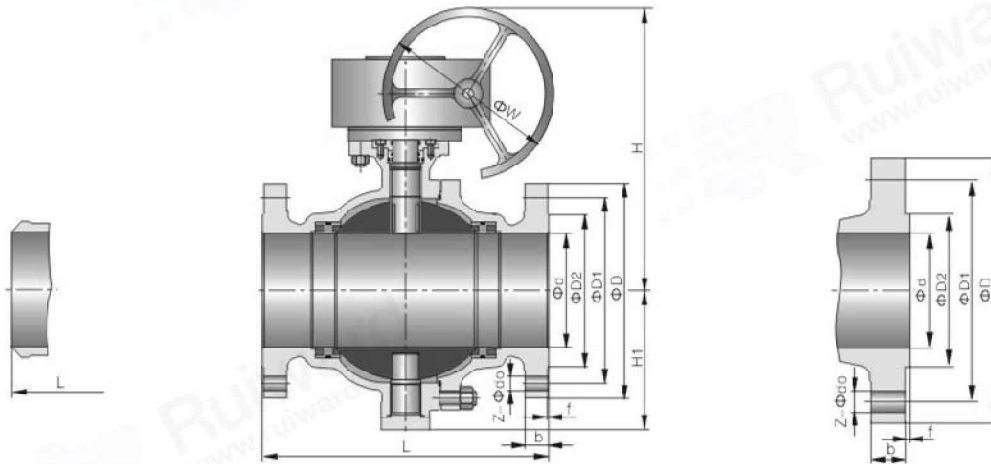


No.	Parts Name	Material				
		WCB/A105+HCr	WCB/304	WCB/316	CF8	CF8M
1	Body	A216 WCB	A216 WCB	A216 WCB	A351 CF8	A351 CF8M
2	Bolt	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8M
3	Nut	A194 2H	A194 2H	A194 2H	A194 8	A194 8M
4	O-ring	Viton	Viton	Viton	Viton	Viton
5	Bushing	Metal Backed PTFE				
6	Spacer	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F316
7	Stem	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F316
8	Key	Carbon Steel			Stainless Steel	
9	Key	Carbon Steel			Stainless Steel	
10	O-ring	Viton	Viton	Viton	Viton	Viton
11	Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
12	Gland	A105	A105	A105	A182 F304	A182 F316
13	Screw	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8M
14	O-ring	Viton	Viton	Viton	Viton	Viton



No.	Parts Name	Material				
		WCB/A105+HCr	WCB/304	WCB/316	CF8	CF8M
15	Worm Gear	Carbon Steel				
16	Ball	A216 WCB	A182 F304	A182 F316	A182 F304	A182 F316
17	Seat	A193 B7	RPTFE	RPTFE	RPTFE	RPTFE
18	O-ring	A194 2H	Viton	Viton	Viton	Viton
19	Seat	Viton	A105	A105	A182 F304	A182 F316
20	Spring	SS304/Inconel 750		SS316/Inconel 750	SS304/Inconel 750	SS316/Inconel 750
21	Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
22	Bolt	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8M
23	Nut	A194 2H	A194 2H	A194 2H	A194 8	A194 8M
24	Cover	A216 WCB	A216 WCB	A216 WCB	A351 CF8	A351 CF8M
25	Lower Shaft	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F316
26	O-ring	Viton	Viton	Viton	Viton	Viton
27	Adjustment Mats	A182 F6a	A182 F304	A182 F316	A182 F304	A182 F316
28	Lower End Cap	A105	A105	A105	A182 F304	A182 F316
29	Screw	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8M

Main Connection Size



Butt-welding ends

Gear box

Class600~Class1500 Flange

Class	Size		Dimension						
	DN	NPS	L	D	D1	D2	b	f	Z-d0
Q347F Q347Y 150LB	50	2	178	152	120.5	92	16	1.6	4-19
	65	2-1/2	190	178	139.7	105	18	1.6	4-19
	80	3	203	190	152.5	127	19	1.6	4-19
	100	4	229	229	190.5	157	24	1.6	8-19
	125	5	256	254	215.9	186	24	1.6	8-22
	150	6	394	279	241.5	261	26	1.6	8-22
	200	8	457	343	298.5	270	29	1.6	8-22
	250	10	533	406	362	324	31	1.6	12-25
	300	12	610	483	431.8	381	31.8	1.6	12-25
	350	14	686	533	476.2	412.8	35	1.6	12-28.5
	400	16	762	597	539.8	469.9	36.6	1.6	16-28.5
	450	18	864	635	577	533.4	39.7	1.6	16-31.8
	500	20	914	589	635	584.2	42.9	1.6	20-31.8
	600	24	1067	813	749.3	692.2	47.7	1.6	20-35
	700	28	1245	837	795.5	762	43	1.6	40-22
	800	32	1372	887	900	864	44	1.6	48-22
	900	36	1524	1057	1009.5	972	51	1.6	44-26

Class	Size		Dimension						
	DN	NPS	L	D	D1	D2	b	f	Z-d0
Q347F Q347Y 300LB	50	2	216	165	127	92	22	1.6	8-19
	65	2-1/2	241	190	149	105	25	1.6	8-22
	80	3	283	210	168	170	29	1.6	8-22
	100	4	305	254	200	157	32	1.6	8-22
	125	5	381	279	235	186	35	1.6	8-22
	150	6	403	318	270	216	37	1.6	12-22
	200	8	502	381	330	270	41	1.6	12-25
	250	10	568	444	387.4	324	47.6	1.6	16-28.5
	300	12	648	521	450.8	381	50.8	1.6	16-31.8
	350	14	762	584	514.4	412.8	53.8	1.6	20-31.6
	400	16	838	648	571.5	469.9	57.2	1.6	20-35
	450	18	814	713	628.6	533.4	60.5	1.6	24-35
	500	20	991	775	685.8	584.2	63.5	1.6	24-35
	600	24	1143	914	812.8	692.2	69.9	1.6	24-41.1
	700	28	1346	921	857	787	87	1.6	36-35.5
	800	32	1527	1054	978	902	102	1.6	32-42
	900	36	1727	1172	1089	1010	102	1.6	32-45

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q347F Q347Y 600LB	50	2	292	295	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
	125	5	508	511	330	266.7	185.7	44.5	6.4	8-28.5
	150	6	559	562	356	292.1	215.9	47.8	6.4	12-28.5
	200	8	660	664	419	349.2	269.5	55.6	6.4	12-31.8
	250	10	787	791	508	431.8	323.8	63.5	6.4	16-35
	300	12	838	841	559	489	381	66.5	6.4	20-35
	350	14	889	892	603	527	412.8	69.9	6.4	20-38.1
	400	16	991	994	686	603.2	469.9	76.2	6.4	20-41.1
	450	18	1092	1095	743	654	533.4	82.6	6.4	20-44.5
	500	20	1194	1200	813	723.9	584.2	88.9	6.4	24-44.5
	600	24	1397	1407	940	838.2	692.2	101.6	6.4	24-50.8

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q347F Q347Y 900LB	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	381	384	241	190.5	127	38.5	6.4	8-26
	100	4	457	460	292	234.9	157.2	44.5	6.4	2-32
	125	5	559	562	349	279.4	185.7	51	6.4	2-35
	150	6	610	613	381	317.5	215.9	56	6.4	12-32
	200	8	737	740	470	393.7	269.5	63.5	6.4	12-39
	250	10	838	841	545	469.9	323.8	70	6.4	16-39
	300	12	965	968	610	533.4	381	79.5	6.4	20-39
	350	14	1029	1038	640	558.8	412.8	86	6.4	20-42
	400	16	1130	1140	705	615.9	469.9	89	6.4	20-45
Q347F Q347Y 1500LB	40	1-1/2	305	305	178	123.8	73	32	6.4	4-29
	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	470	473	267	203.2	127	48	6.4	2-32
	100	4	546	549	311	241.3	157.2	54	6.4	2-35
	125	5	673	676	375	292.1	185.7	73.5	6.4	8-42
	150	6	705	711	394	317.5	215.9	83	6.4	12-39
	200	8	832	841	492	393.7	269.5	92	6.4	12-45
	250	10	991	1000	585	482.6	323.8	108	6.4	12-51
	300	12	1130	1146	675	571.5	381	124	6.4	16-54
Q347F Q347Y 2500LB	40	1-1/2	384	387	203	146	73	44.5	6.4	4-32
	50	2	451	454	235	171.4	92	51	6.4	8-29
	65	2-1/2	508	514	267	196.8	105	57.5	6.4	8-32
	80	3	578	584	305	228.6	127	67	6.4	8-35
	100	4	673	683	356	273	157.2	76.5	6.4	8-42
	125	5	794	807	419	323.8	185.7	92.5	6.4	8-48
	150	6	914	927	483	368.3	215.9	108	6.4	8-54
	200	8	1022	1038	550	438.1	269.5	127	6.4	12-54
	250	10	1270	1292	675	539.7	323.8	165.5	6.4	12-67

FORGED STEEL FIXED BALL VALVE

Bolt, threaded gasket sealing valve cover, fireproof and anti-static design.
Suitable for chemical, petroleum, natural gas, metallurgy, and other industries and long-distance natural gas pipelines containing hydrogen sulfide, many impurities, and serious corrosion.



Product performance standards

Design Manufacture	API 6D API608 / ASME B16.34	Flange Size	ASME B16.5
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Fire Protection Design	API 607, API6FA		

Main Connection Size



Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q341F Q347N Q347Y 600LB	50	2	292	295	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
	125	5	508	511	330	266.7	185.7	44.5	6.4	8-28.5
	150	6	559	562	356	292.1	215.9	47.8	6.4	12-28.5
	200	8	660	664	419	349.2	269.5	55.6	6.4	12-31.8
	250	10	787	791	508	431.8	323.8	63.5	6.4	16-35
	300	12	838	841	559	489	381	66.5	6.4	20-35
	350	14	889	892	603	527	412.8	69.9	6.4	20-38.1
	400	16	991	994	686	603.2	469.9	76.2	6.4	20-41.1
	450	18	1092	1095	743	654	533.4	82.6	6.4	20-44.5
	500	20	1194	1200	813	723.9	584.2	88.9	6.4	24-44.5
	600	24	1397	1407	940	838.2	692.2	101.6	6.4	24-50.8
Q341F Q347N Q347Y 900LB	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	381	384	241	190.5	127	38.5	6.4	8-26
	100	4	457	460	292	234.9	157.2	44.5	6.4	2-32
	125	5	559	562	349	279.4	185.7	51	6.4	2-35
	150	6	610	613	381	317.5	215.9	56	6.4	12-32
	200	8	737	740	470	393.7	269.5	63.5	6.4	12-39
	250	10	838	841	545	469.9	323.8	70	6.4	16-39
	300	12	965	968	610	533.4	381	79.5	6.4	20-39
	350	14	1029	1038	640	558.8	412.8	86	6.4	20-42
	400	16	1130	1140	705	615.9	469.9	89	6.4	20-45

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
Q341F Q347N Q347Y 1500LB	40	1-1/2	305	305	178	123.8	73	32	6.4	4-29
	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	470	473	267	203.2	127	48	6.4	2-32
	100	4	546	549	311	241.3	157.2	54	6.4	2-35
	125	5	673	676	375	292.1	185.7	73.5	6.4	8-42
	150	6	705	711	394	317.5	215.9	83	6.4	12-39
	200	8	832	841	492	393.7	269.5	92	6.4	12-45
	250	10	991	1000	585	482.6	323.8	108	6.4	12-51
	300	12	1130	1146	675	571.5	381	124	6.4	16-54
Q341F Q347N Q347Y 2500LB	40	1-1/2	384	387	203	146	73	44.5	6.4	4-32
	50	2	451	454	235	171.4	92	51	6.4	8-29
	65	2-1/2	508	514	267	196.8	105	57.5	6.4	8-32
	80	3	578	584	305	228.6	127	67	6.4	8-35
	100	4	673	683	356	273	157.2	76.5	6.4	8-42
	125	5	794	807	419	323.8	185.7	92.5	6.4	8-48
	150	6	914	927	483	368.3	215.9	108	6.4	8-54
	200	8	1022	1038	550	438.1	269.5	127	6.4	12-54
	250	10	1270	1292	675	539.7	323.8	165.5	6.4	12-67

TOP-LOADING BALL VALVE

The pressure loss is small, the service life is long, and the maintenance is convenient. The valve does not need to be removed from the pipeline when it is repaired. It can be repaired as long as the valve cover is opened.



Product performance standards

Design Manufacture	API 6D ISO 14313 / ASME B16.34	Flange Size	ASME B16.25
Socket Size	ASME B16.10	Inspection And Experiment	API 598
Thread Size	API 607 ISO 10497		

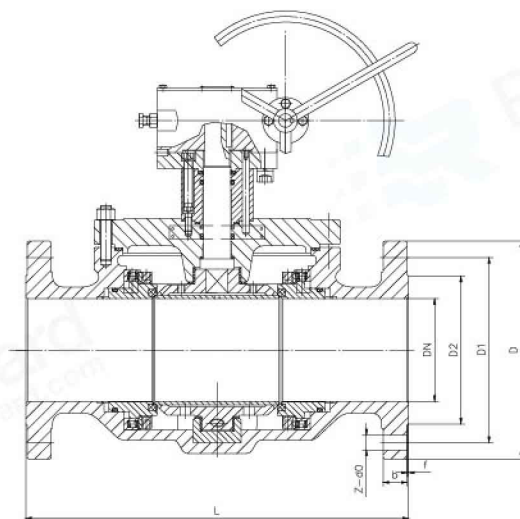
Main Part Name And Material



No.	Parts Name	Material		
		WCB/A105+HCr	WCB/304	WCB/316
1	Body	A216 WCB	A352 LCC	A351 CF8
2	Gasket	304+PTFE	304+PTFE	304+PTFE
3	Sliding Bearing	304+PTFE	304+PTFE	304+PTFE
4	Drain Valve	A29 1025	SS	SS
5	Spring	17-7PH	17-7PH	17-7PH
6	O-ring	Viton	Viton	Viton
7	Support Ring	A105+ENP	A350 Lf2	Ss304
8	Fire Ring	Flexible Graphite		
9	Seat	RPTFE	RPTFE	RPTFE
10	O-ring	Viton	Viton	Viton
11	Gasket	304+Flexible Graphite		
12	Bolt	A193 B7	A320 L7	A193 8
13	Nut	A194 2H	A194 4	A194 B8
14	Electrostatic Spring	304	304	304

No.	Parts Name	Material		
		WCB/A105+HCr	WCB/304	WCB/316
15	Steel ball	304	304	304
16	Gasket	304+PTFE	304+PTFE	304+PTFE
17	Screw	A193 B7	A320 L7	A193 8
18	Filler	Flexible Graphite		
19	Screw	A193 B7	A320 L7	A193 8
20	O-ring	Viton	Viton	Viton
21	Limit block	Carbon Steel	Carbon Steel	Carbon Steel
22	Retaining ring	Carbon Steel	Carbon Steel	Carbon Steel
23	Screw	A193 B7	A320 L7	A193 8
24	Front bushing	Astm A105	A350 Lf2	A182 F304
25	Vent valve	A29 1025	Ss	Ss
26	Stem	A182 F304	A182 F304	A182 F304
27	Cover	A216 Wcb	A352 Lcc	A351 Cf8
28	Grease injection valve	A29 1025	Ss	Ss
29	Worm gear	Carbon Steel	Carbon Steel	Carbon Steel

Main Connection Size

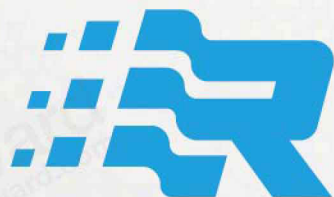


Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
SQ347F SQ347N SQ347Y 150LB	50	2	292	295	152	120.5	92	16	1.6	4-19
	65	2-1/2	330	333	178	139.7	105	18	1.6	4-19
	80	3	356	359	190	152.5	127	19	1.6	4-19
	100	4	432	435	229	190.5	157	24	1.6	8-19
	150	6	559	562	279	241.5	261	26	1.6	8-22
	200	8	660	664	343	298.5	270	29	1.6	8-22
	250	10	787	791	406	362	324	31	1.6	12-25
	300	12	838	841	483	431.8	381	31.8	1.6	12-25
	350	14	889	892	533	476.2	412.8	35	1.6	12-28.5
	400	16	991	994	597	539.8	469.9	36.6	1.6	16-28.5
	450	18	1092	1095	635	577	533.4	39.7	1.6	16-31.8
	500	20	1194	1200	589	635	584.2	42.9	1.6	20-31.8
	600	24	1397	1407	813	749.3	692.2	47.7	1.6	20-35
	700	28	1549	1562	837	795.5	762	43	1.6	40-22
	800	32	1778	1794	887	900	864	44	1.6	48-22
	900	36	2083	2099	1057	1009.5	972	51	1.6	44-26

Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
SQ347F SQ347N SQ347Y 300LB	50	2	292	295	165	127	92	22	1.6	8-19
	65	2-1/2	330	333	190	149	105	25	1.6	8-22
	80	3	356	359	210	168	170	29	1.6	8-22
	100	4	432	435	254	200	157	32	1.6	8-22
	150	6	559	562	318	270	216	37	1.6	12-22
	200	8	660	664	381	330	270	41	1.6	12-25
	250	10	787	791	444	387.4	324	47.6	1.6	16-28.5
	300	12	838	841	521	450.8	381	50.8	1.6	16-31.8
	350	14	889	892	584	514.4	412.8	53.8	1.6	20-31.6
	400	16	991	994	648	571.5	469.9	57.2	1.6	20-35
	450	18	1092	1095	713	628.6	533.4	60.5	1.6	24-35
	500	20	1194	1200	775	685.8	584.2	63.5	1.6	24-35
	600	24	1397	1407	914	812.8	692.2	69.9	1.6	24-41.1
	700	28	1549	1562	921	857	787	87	1.6	36-35.5
	800	32	1778	1794	1054	978	902	102	1.6	32-42
	900	36	2083	2099	1172	1089	1010	102	1.6	32-45
SQ347F SQ347N SQ347Y 600LB	50	2	292	295	165	127	92	25.4	6.4	8-19
	65	2-1/2	330	333	190	149	105	29	6.4	8-22
	80	3	356	359	210	168	127	32	6.4	8-22
	100	4	432	435	273	216	157.2	38.5	6.4	8-25
	125	5	508	511	330	266.7	185.7	44.5	6.4	8-28.5
	150	6	559	562	356	292.1	215.9	47.8	6.4	12-28.5
	200	8	660	664	419	349.2	269.5	55.6	6.4	12-31.8
	250	10	787	791	508	431.8	323.8	63.5	6.4	16-35
	300	12	838	841	559	489	381	66.5	6.4	20-35
	350	14	889	892	603	527	412.8	69.9	6.4	20-38.1
	400	16	991	994	686	603.2	469.9	76.2	6.4	20-41.1
	450	18	1092	1095	743	654	533.4	82.6	6.4	20-44.5
	500	20	1194	1200	813	723.9	584.2	88.9	6.4	24-44.5
	600	24	1397	1407	940	838.2	692.2	101.6	6.4	24-50.8



Class	Size		Dimension							
			L		D	D1	D2	b	f	Z-d0
	DN	NPS	RF	RTJ						
SQ347F SQ347N SQ347Y 900LB	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	381	384	241	190.5	127	38.5	6.4	8-26
	100	4	457	460	292	234.9	157.2	44.5	6.4	8-32
	125	5	559	562	349	279.4	185.7	51	6.4	8-35
	150	6	610	613	381	317.5	215.9	56	6.4	12-32
	200	8	737	740	470	393.7	269.5	63.5	6.4	12-39
	250	10	838	841	545	469.9	323.8	70	6.4	16-39
	300	12	965	968	610	533.4	381	79.5	6.4	20-39
	350	14	1029	1038	640	558.8	412.8	86	6.4	20-42
	400	16	1130	1140	705	615.9	469.9	89	6.4	20-45
SQ347F SQ347N SQ347Y 1500LB	50	2	368	371	216	165.1	92	38.5	6.4	8-26
	65	2-1/2	419	422	244	190.5	105	41.5	6.4	8-29
	80	3	470	473	267	203.2	127	48	6.4	8-32
	100	4	546	549	311	241.3	157.2	54	6.4	8-35
	125	5	673	676	375	292.1	185.7	73.5	6.4	8-42
	150	6	705	711	394	317.5	215.9	83	6.4	12-39
	200	8	832	841	492	393.7	269.5	92	6.4	12-45
	250	10	991	1000	585	482.6	323.8	108	6.4	12-51
	300	12	1130	1146	675	571.5	381	124	6.4	16-54
SQ347F SQ347N SQ347Y 2500LB	40	1-1/2	384	387	203	146	73	44.5	6.4	4-32
	50	2	451	454	235	171.4	92	51	6.4	8-29
	65	2-1/2	508	514	267	196.8	105	57.5	6.4	8-32
	80	3	578	584	305	228.6	127	67	6.4	8-35
	100	4	673	683	356	273	157.2	76.5	6.4	8-42
	125	5	794	807	419	323.8	185.7	92.5	6.4	8-48
	150	6	914	927	483	368.3	215.9	108	6.4	8-54
	200	8	1022	1038	550	438.1	269.5	127	6.4	12-54
	250	10	1270	1292	675	539.7	323.8	165.5	6.4	12-67



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