

# API

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

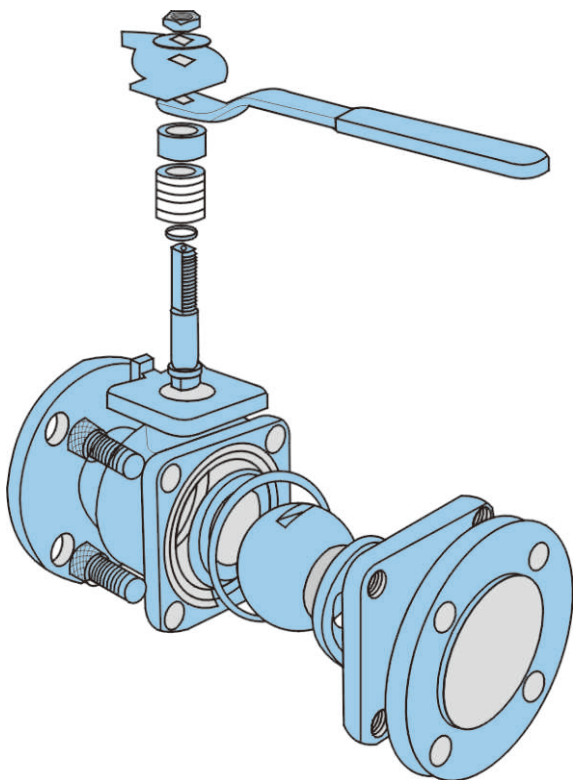
Алматы (7273)495-231  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
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Вологда (8172)26-41-59  
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Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Россия (495)268-04-70

Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
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Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Казахстан (7172)727-132

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

### Floating Ball Valve TEK VALVE

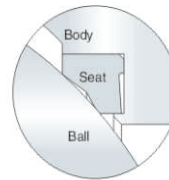


#### Standards

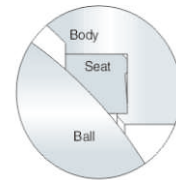
Design and Manufacture: API 6D, BS5351, ASME B16.34  
 API 608, MSS-SP-72  
 Face To Face Dimension: ASME B16.10  
 Flange Connection Dimension: ASME B16.5  
 BW Connection Dimension: ASME B16.25  
 Test And Inspection: API 598  
 Fire-safe Design: API 607  
 Anti-static Design&Anti Blow-out Stem

#### Application

Floating ball valves are suitable for various kinds of pipelines of Class 150 to Class 600, to turn on or off the pipeline medium, of which the operation types include manual, worm gear and pneumatic or electric actuators.



At lower medium pressure



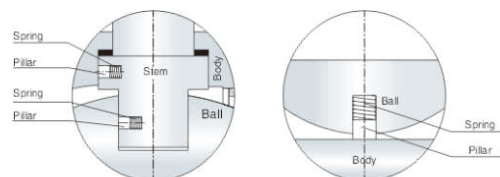
At higher medium pressure

#### Reliable seat seal

The structure design of elastic sealing ring has been adopted for floating ball valves. This seat design features a bigger sealing pressure ratio between the ring surface and the ball when medium pressure gets lower, where the contacting area is smaller. Thus, the reliable seal is ensured. When the medium pressure gets higher, the contacting area between seat ring and ball becomes bigger as the sealing ring transforms elastically to undertake the bigger force pushed by the medium without any damage.

#### Anti-static feature

The traditional packing flange design has been improved to be of two piece structure, i.e., being as a packing flange plate and a follower, the latter contacts the flange plate with spherical surface. Thus, the follower remains vertical always, and is lined internally with a PTFE bush to prevent the galling against and friction between the stem, which can also reduce the operation torque of the valve.



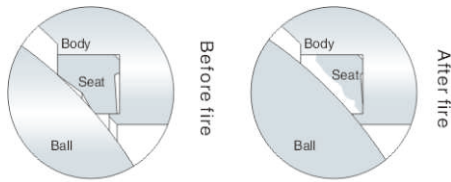
Anti-Static design for ball valve  $\geq 32\text{mm}$  Anti-Static design for ball valve  $\leq 25\text{mm}$

# API Floating Ball Valve

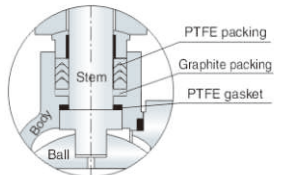
## TEK VALVE

### Fire safe design

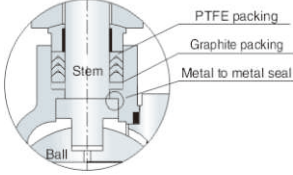
With the valve heated in a fire application, the non-metal material parts such as seat sealing ring of PTFE, stem back seat gasket, gland packing, and the sealing gasket between body and bonnet might disintegrate or be damaged due to high temperature. Our company specially designed structure of auxiliary metal to metal seal is provided to effectively prevent both internal and external leakage of the valve. As required by customers, Our company floating ball valves with design can meet the requirement of API 607.



Fire safe design of seat

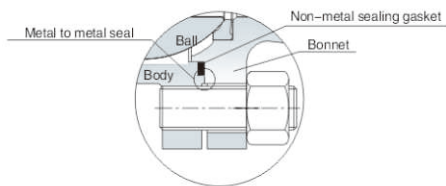


Before fire



After fire

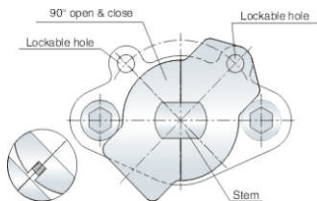
Fire safe design of stem



Fire safe design of valve body and bonnet flanges

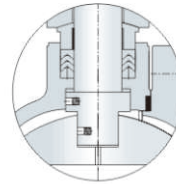
### Mounting pad provided

Our company has provided for floating ball valve with a mounting pad, through which it is easy to fix the actuators, such as worm gear, pneumatic and electric actuators.

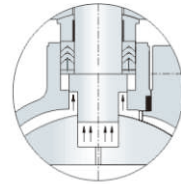


### Reliable stem seal

The blow-out proof design has been adopted for the stem to ensure that even if the pressure in the body cavity is risen accidentally and the packing flange becomes invalid, the stem may not be blown out by medium. The stem features the design with a backseat, being assembled from underneath. The sealing force against the backseat gets higher as the medium pressure becomes higher. So the reliable seal of the stem can be assured under variable medium pressure.

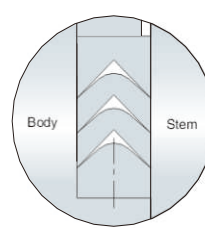


Stem assembled from underneath may not be blown out by medium

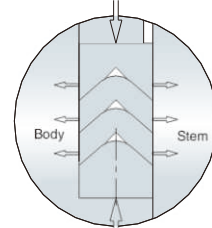


Stem assembled downward may be blown out

V type packing structure has been employed to effectively transform the pushing force of the gland flange and the medium pressure into the sealing force against the stem.



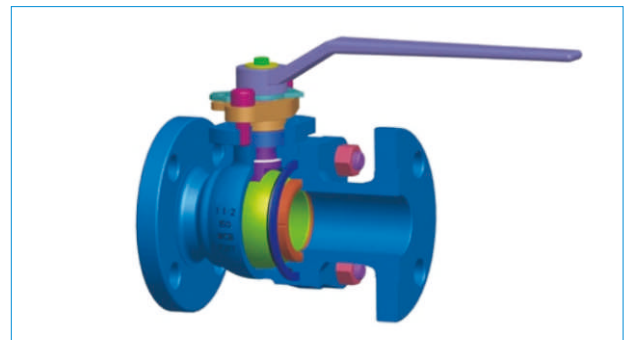
Packing before pressed



Packing after pressed

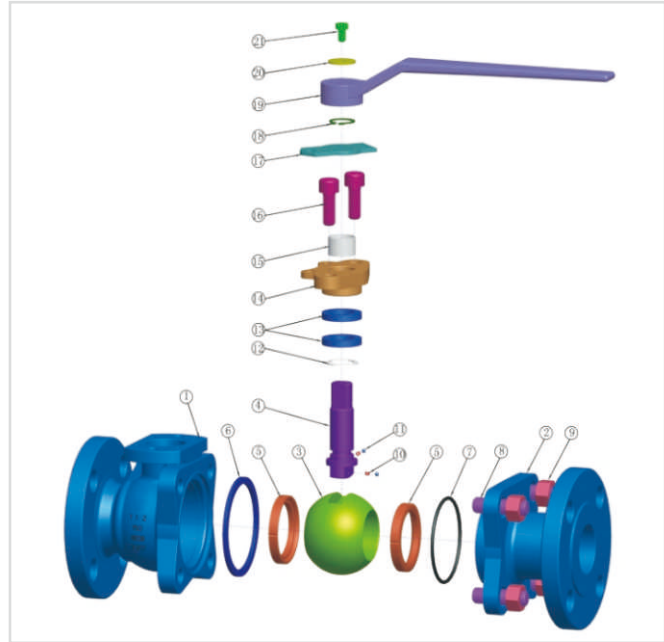
### Wrong operation prevention

To prevent the ball valve from wrong operation, the keylock with 90° of open and close positioning pad has been provided, which can be lockable as required. At the stem head, where the lever fixes, a flat is designed so that the valve opens with the lever parallel to piping, and with the lever right-angled to the piping, the valve is closed. So, it is ensured that the valve indicator of open and close can never make mistake.



# API Floating Ball Valve

TEK VALVE



ASTM Material list of floating ball valve

No	Part Name	Carbon Steel to ASTM		Stainless Steel to ASTM			
1	Body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Bonnet	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Ball	A351 CF8	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6a	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Seat ring	PTFE, RTFE, PEEK, DELRIN					
6	Gasket	Graphite+SS304, PTFE					
7	O-ring	Fluororubber					
8	Bolt	A193 B7/B7M	A193 L7/L7M	A193 B8/B8M			
9	Nut	A194 2H/2HM	A194 4/4M	194 8/8M			
10	Small spring	SS304					
11	Small ball	SS304					
12	Thrust washer	PTFE					
13	Stem packing	Flexible Graphite/PTFE					
14	Packing gland	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF8M
15	Shaft sleeve	PTFE					
16	Screw	A193 B7	A320 L7	A193 B8/B8M			
17	Positioning plate	Galvanized Steel					
18	Retaining ring	Carbon Steel					
19	Lever	Carbon Steel					
20	Gasket	Carbon Steel					
21	Screw	Carbon Steel					

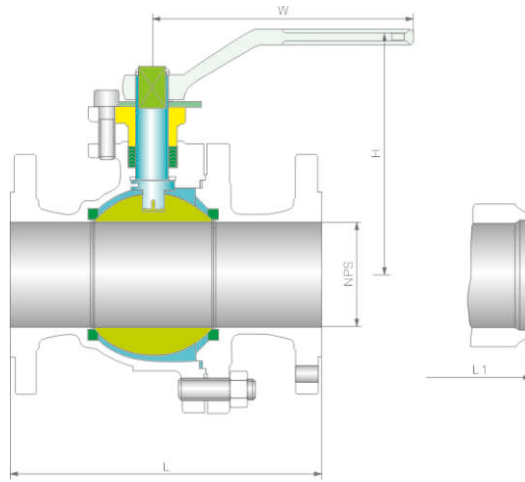
API SERIES

DIN SERIES

JIS SERIES

# API Floating Ball Valve

## TEK VALVE



API SERIES

DIN SERIES

JIS SERIES

Main size of outside & weight

150Lb

Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
	mm	15	20	25	40	50	65	80	100	150	200	250	300
L (RF)	in	4.25	4.62	5.00	6.50	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00
	mm	108	117	127	165	178	190	203	229	394	457	533	610
L1 (BW)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00
	mm	140	152	165	190	216	241	283	305	457	521	559	635
H	in	2.12	2.12	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50
	mm	55	55	70	90	105	155	185	205	255	280	345	420
WT (Kg)	RF	2.3	3	4.5	7	9.5	15	19	33	93	160	200	280
	BW	1.8	2.8	3.7	6.2	8.5	14	21	35	98	170	225	295

Main size of outside & weight

300Lb

Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
	mm	15	20	25	40	50	65	80	100	150	200	250	300
L (RF)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50
	mm	140	152	165	190	216	241	283	305	403	502	568	648
L1 (BW)	in	5.50	6.00	6.50	7.50	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00
	mm	140	152	165	190	216	241	283	305	457	521	559	635
H	in	2.12	2.12	2.75	3.50	4.12	6.12	7.25	8.00	10.00	11.00	13.50	16.50
	mm	55	55	70	90	105	153	187	206	255	280	345	420
WT (Kg)	RF	2.5	3.5	5.5	10.5	14.5	23.5	30	55	118	200	250	330
	BW	1.8	2	3.2	5.5	8.7	15	18	36	85	152	182	232

Main size of outside & weight

600Lb

Size	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4
	mm	15	20	25	40	50	65	80	100
L/L1 (RF/BW)	in	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00
	mm	165	190	216	241	292	330	356	432
L2 (RTJ)	in	-	-	-	-	11.62	13.12	14.12	17.12
	mm	-	-	-	-	295	333	359	435
H	in	2.38	2.38	3.00	4.00	4.75	6.88	8.38	9.25
	mm	61.5	61.5	78	101	120	174	212	234
WT (Kg)	RF/RTJ	3.3	4.5	7.2	13.5	19	31	39	71
	BW	2.6	3.1	4.8	8	13	22	27	53

## Trunnion Ball Valve TEK VALVE



### Standards

Design and Manufacture: API 6D, BS5351, ASME B16.34  
API 608, MSS-SP-72

Face To Face Dimension: ASME B16.10

End flange dimension: ASME B16.5(for NPS 24); ASME B16.47 series B, ASME B16.47 series A, MSS SP-44(for NPS 24).

BW Connection Dimension: ASME B16.25

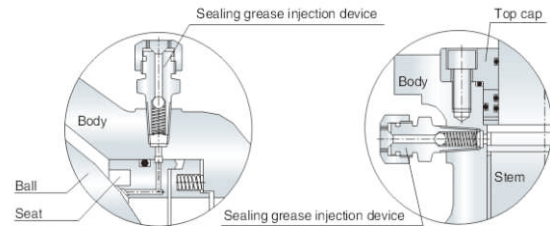
Test And Inspection: API 598

Fire-safe Design: API 607

Anti-static Design&Anti Blow-out Stem

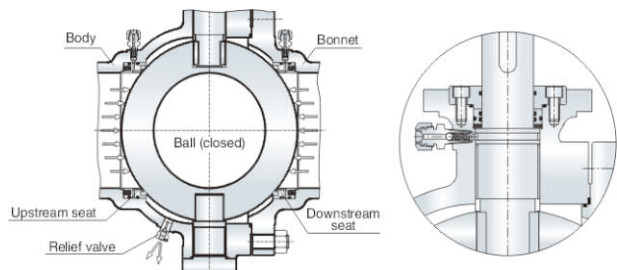
### Urgent grease injection device

According to customers' requirement, the trunnion ball valves made by Our company are provided with devices for urgent grease injection, which are on both the stem and seat for the trunnion ball valves of DN>150mm (NPS6), and in the body cavity for the valve of DN<125mm. When the O ring of stem or the body seat ring is damaged due to accident, the medium leakage between body and stem can be prevented by injecting the sealing grease through the device.



### Double-block and bleed functions

In TEK valve company, trunnion ball valve features the front ball sealing design structure. Each seat of the ball valve can separately cut off the medium at both inlet and outlet of the valve to realize double-block functions. When the ball valve is closed, body cavity and two of the body ends can be blocked with each other even if both the inlet and outlet are under pressure, when the medium left in the body cavity might be bled through the relief valve.



### Blow-out proof stem

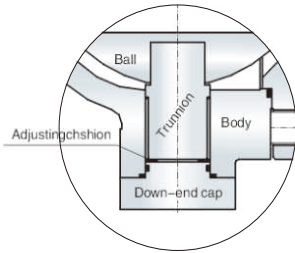
Blow-out proof structure is provided with for the stem, which is positioned by the up-end cap and screw, being guaranteed not to be blown-out by the medium even if at abnormal risen pressure in the cavity.

# API Trunnion Ball Valve

## TEK VALVE

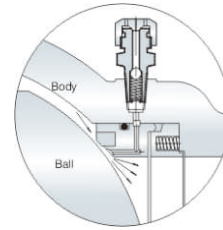
### Anti-static design

The ball of the trunnion ball valve gets close contact with each other through the trunnion, adjusting cushion, and down-end cap, the passage of static electricity thus forms together with the valve, which may lead the static electricity caused by sparks generated by friction between the ball and seat during on and off performance to the ground to prevent the possible risk of fire or explosion.



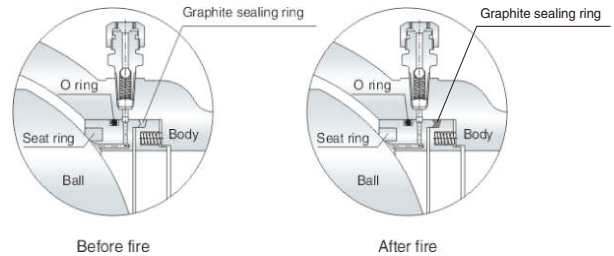
### Self-relief in the body cavity

As the liquid medium left in the body cavity gasifies due to increased temperature, the pressure in the body cavity becomes abnormally higher when the medium itself in the cavity would propel the seat and self-relieves the pressure to ensure the safety of valve.

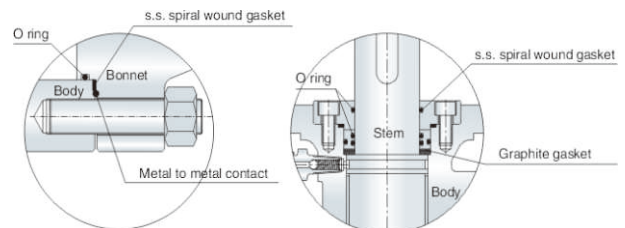


### Fire safe design

With the valve heated in a fire application, the non-metal material parts such as seat sealing ring of PTFE, O ring for the stem, and sealing gasket for body and bonnet, might be damaged due to high temperature. Our company special design of auxiliary metal to metal or the graphite seal is provided for the trunnion ball valve to effectively prevent both internal and external leakage of the valve. As required by customers, Our company fire safe design for the trunnion ball valve meets the requirement of API 607, API 6Fa, BS 6755.



Fire safe design of seat



Fire safe design of valve body and bonnet flanges

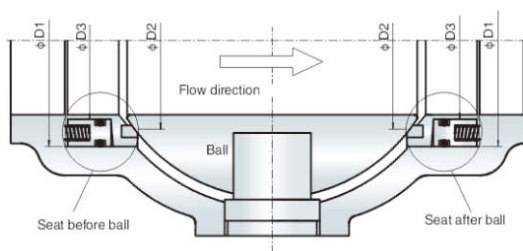
Fire safe design of stem

### The Bi-sealing design structure, i.e. seat sealing in front of the ball and seat sealing behind the ball

According to some special working conditions and customers' requirement, We has provided the trunnion ball valve with the Bi-sealing design structure, i.e. seat sealing in front of the ball and seat sealing behind the ball, thus the reliable sealing of the valve is ensured because the valve can perform normally even if one of the effective sealing designs becomes lost due to the abnormal condition.

Regarding the seat in front of the ball, the piston effect formed by the area difference between  $D1$  and  $D2$ , plus the pre-tightened force of a spring would cause the seat in front of the ball by the pressure difference of the medium before and after the valve to touch the ball closely to form the tightness, of which the sealing force will become bigger as the pressure difference gets higher.

Regarding the seat after the ball, the piston effect formed by the area difference between  $D2$  and  $D3$ , plus the pretig-htened force of a spring would cause the seat behind the ball to touch the ball closely to form the tightness, of which the sealing force will become bigger as the pressure difference gets higher.

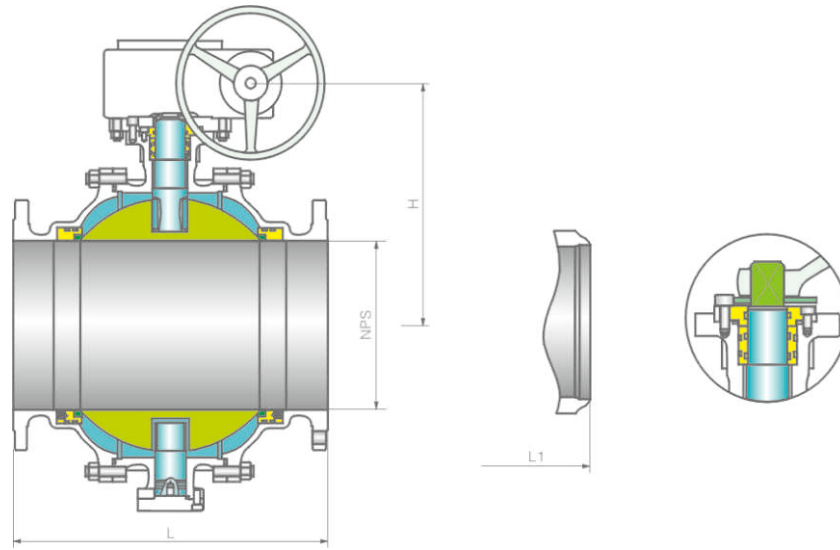


### Mounting pad provided

Our company has provided for trunnion ball valve with a mounting pad for fixing the actuators, such as worm gear, pneumatic, electric, hydraulic, and pneumatic & hydraulic actuators.

# API Cast Steel Trunnion Ball Valve

**TEK VALVE**



Main size of outside & weight

150Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	in	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	36.00	42.00	45.00	49.00	51.00	54.00	60.00
	mm	178	190	203	229	394	457	533	610	686	762	864	914	1067	1143	1245	1295	1372	1524
L1 (BW)	in	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	68.00
	mm	216	241	283	305	457	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	1727
H	in	7.00	7.50	8.25	9.25	20.88	24.62	25.62	30.75	31.00	36.25	38.25	43.38	5.25	50.75	55.12	64.12	70.88	80.75
	mm	177	190	210	235	530	625	650	780	790	920	970	1100	1150	1290	1400	1630	1840	2050
W	in	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32	32	32	32
	mm	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	800
WT (Kg)	RF	15	19	27	38	81	140	160	205	260	390	510	750	1200	1400	1860	2100	2530	2970
	BW	13.5	15.5	24.5	32.5	76	132	147	182	241	370	495	726	1125	1250	1640	1930	2390	2760

Main size of outside & weight

300Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	in	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	-
	mm	216	241	283	305	403	502	568	648	762	838	914	991	1143	1245	1346	1397	1524	-
L1 (BW)	in	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	-
	mm	216	241	283	305	403	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	-
H	in	7.00	7.50	8.25	9.25	20.88	24.62	25.62	30.75	31.00	36.25	38.25	43.38	45.25	50.75	55.12	64.12	70.88	-
	mm	177	190	210	235	530	625	650	780	790	920	970	1100	1150	1290	1400	1630	1800	-
W	in	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32	32	32	-
	mm	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	-
WT (Kg)	RF	19	24	34	48	101	175	200	255	325	485	635	935	1500	1750	2225	2450	2870	-
	BW	14	16	25	34	82	145	155	185	238	375	516	782	1280	1375	1825	2180	2260	-

API SERIES

DIN SERIES

JIS SERIES



# API Cast Steel Trunnion Ball Valve

## TEK VALVE

API SERIES

DIN SERIES

JIS SERIES

Main size of outside & weight

600Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700
L/L1 (RF/BW)	in	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	61.00
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549
L2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	57.50	61.50
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1562
H	in	7.12	7.62	8.50	9.50	21.52	25.00	26.12	31.12	31.88	36.38	38.75	44.50	46.62	52.50	57.00
	mm	180	193	215	241	540	635	665	790	810	925	985	1130	1185	1335	1450
W	in	14	16	20	20	24	24	24	24	32	32	32	32	32	32	32
	mm	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800
WT (Kg)	RF/RTJ	26	35	58	81	142	287	540	780	1000	1300	1700	2100	3400	3800	4500
	BW	19	25	42	51	82	200	395	610	805	1010	1350	1656	2775	3125	3790

Main size of outside & weight

900Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L/L1 (RF/BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	48.50	52.50	61.75
	mm	371	422	384	460	613	740	841	968	1038	1140	1232	1334	1568
H	in	8.62	9.25	10.25	15.38	25.75	30.25	31.75	38.00	38.50	45.00	47.00	53.50	56.00
	mm	219	235	260	390	655	770	805	965	980	1145	1195	1360	1425
W	in	20	20	20	24	24	24	24	32	32	32	32	32	32
	mm	500	500	500	600	600	600	600	800	800	800	800	800	800
WT (Kg)	RF/RTJ	31	43	68	98	171	345	650	940	1205	1565	2050	2535	3950
	BW	23	31	51	61	102	240	480	735	965	1215	1625	1995	3335

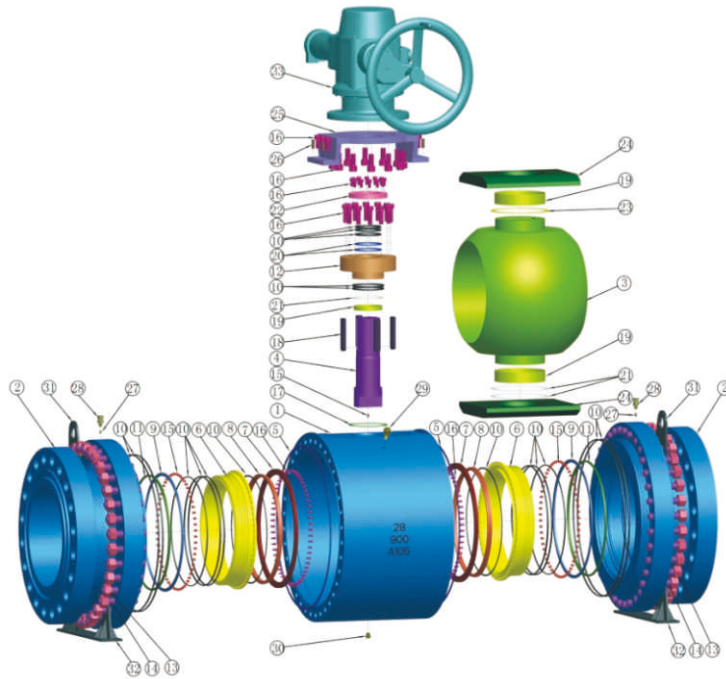
Main size of outside & weight

1500Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L/L1 (RF/BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50
	mm	368	419	470	546	705	832	991	1130	1257	1384
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25	55.38
	mm	371	422	473	549	711	841	1000	1146	1276	1407
H	in	11.25	12.00	13.25	20.00	33.50	39.38	41.12	49.38	50.00	58.50
	mm	285	306	338	506	852	1000	1045	1255	1270	1485
W	in	20	20	24	24	24	32	32	32	32	32
	mm	500	500	600	600	600	800	800	800	800	800
WT (Kg)	RF/RTJ	49	67	106	153	268	540	1020	1475	1885	2455
	BW	33	44	73	87	145	345	685	1050	1385	1735

# API Forged Steel Trunnion ball valve

TEK VALVE



ASTM Material list of cast steel trunnion mounted ball valve

No	Part Name	Carbon Steel to ASTM		Stainless Steel to ASTM				
1	Body	ASTM A105N	A350 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
2	Bonnet	ASTM A105N	A350 LF2	A182 F304	A182 F3316	A182 F304L	A182 F316L	A182 F51
3	Ball	A351 CF8	A351 CF8	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	CD4MCU
4	Stem	A182 F6a	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
5	Gasket	SS304 + Graphite, PDFE						
6	Seat	A105N+ENP	LF2+ENP	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
7	Clamping ring	A105N+ENP	LF2+ENP	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
8	Seat ring	PTFE, RTFE, PEEK, DELRIN						
9	Seat back	A105N+ENP	LF2+ENP	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
10	O-ring	Fluororubber						
11	Seat gasket	Flexible Graphite						
12	Stuffing box	A105N+ENP	LF2+ENP	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
13	Bolt	A193 B7/B7M	A320 L7/L7M	A193 B8/B8M				
14	Nut	A194 2H/2HM	A194 4/4M	A194 8/8M				
15	Spring	INCONEL X-750						
16	Screw	A193 B7	A320 L7	A193 B8/B8M				
17	Gasket	PTFE						
18	Flat key	Carbon Steel						
19	Shaft sleeve	PTFE						
20	Stem packing	PTFE Flexible Graphite						
21	Thrust washer	PTFE						
22	Packing gland	ASTM A105N	A350 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
23	Shaft sleeve	PTFE						
24	Support plate	ASTM A105N	A350 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
25	Yoke	Carbon Steel						
26	Pin	Carbon Steel						
27	Small check valve	ASTM A105N	A350 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
28	Grease injector	Carbon steel	Carbon steel	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
29	Vent plug	Carbon steel	Carbon steel	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
30	Drain plug	Carbon steel	Carbon steel	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F51
31	Lifting lug	Carbon Steel						
32	Support feet	Carbon Steel						

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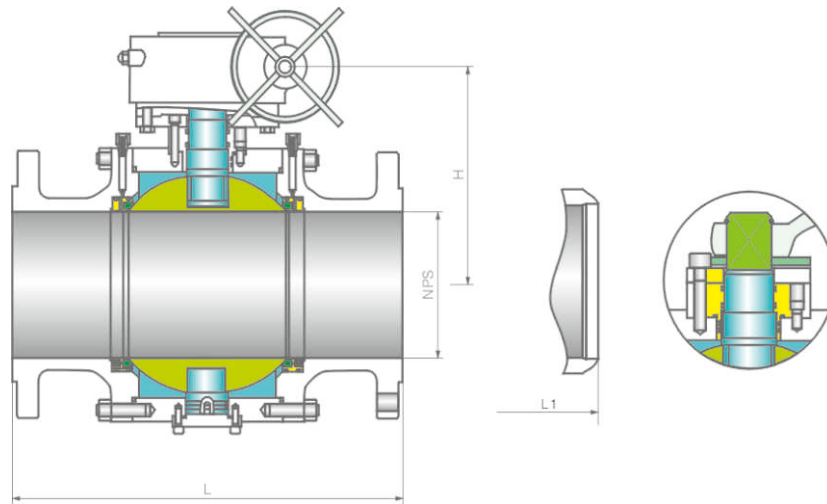
API SERIES

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# API Forged Steel Trunnion ball valve

## TEK VALVE



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Main size of outside & weight

150Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	in	7.00	7.50	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	36.00	42.00	45.00	49.00	51.00	54.00	60.00
	mm	178	190	203	229	394	457	533	610	686	762	864	914	1067	1143	1245	1295	1372	1524
L1 (BW)	in	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	68.00
	mm	216	241	283	305	457	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	1727
H	in	4.00	6.00	7.00	9.25	9.88	11.00	12.62	15.38	16.50	21.88	23.62	25.00	28.00	29.50	31.50	34.00	36.00	38.50
	mm	120	150	180	235	250	280	320	390	420	555	600	635	710	750	800	865	915	980
W	in	16	16	24	24	24	24	32	32	32	32	32	32	40	40	40	40	40	40
	mm	400	400	600	600	600	600	800	800	800	800	800	800	1000	1000	1000	1000	1000	1000
WT (Kg)	RF/RTJ	28	35	55	80	190	290	445	570	780	1520	2300	2500	3950	4890	6300	7100	8950	13500
	BW	25	28	49	71	182	277	423	553	747	1481	2266	2460	3904	4939	6362	8149	9000	13570

Main size of outside & weight

300Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	in	8.50	9.50	11.12	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	-
	mm	216	241	283	305	403	502	568	648	762	838	914	991	1143	1245	1346	1397	1524	-
L1 (BW)	in	8.50	9.50	11.12	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	60.00	-
	mm	216	241	283	305	403	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	-
H	in	4.00	6.00	7.00	9.25	9.88	11.00	12.62	15.38	16.50	21.88	23.62	25.00	28.00	29.50	31.50	34.00	36.00	-
	mm	120	150	180	235	250	280	320	390	420	555	600	635	710	750	800	865	915	-
W	in	16	16	24	24	24	24	32	32	32	32	32	32	40	40	40	40	40	-
	mm	400	400	600	600	600	600	800	800	800	800	800	800	1000	1000	1000	1000	1000	-
WT (Kg)	RF/RTJ	30	40	60	90	200	325	490	690	990	1810	2620	2860	4430	5430	6810	7655	9590	-
	BW	24	31	49	72	169	280	424	598	872	1665	2440	2635	4075	4880	6225	7115	9230	-

# API Forged Steel Trunnion ball valve

## TEK VALVE

Main size of outside & weight															600Lb	
Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700
L/L1 (RF/BW)	in	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	61.00
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549
L2 (RTJ)	in	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	57.50	61.50
	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1562
H	in	6.50	7.00	7.88	11.00	12.25	14.00	16.12	18.00	19.25	21.00	24.88	25.62	30.12	31.88	34.62
	mm	165	180	200	280	310	355	410	455	490	535	630	650	765	810	880
W	in	16	24	24	24	32	32	32	32	32	32	40	40	40	40	40
	mm	400	600	600	600	800	800	800	800	800	800	1000	1000	1000	1000	1000
WT (Kg)	RF/RTJ	34	53	65	125	245	505	640	910	1380	2250	3400	3850	4900	6700	8300
	BW	27	43	49	95	188	418	495	740	1185	1960	3050	3406	4275	6025	7590

Main size of outside & weight															900Lb
Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	
L/L1 (RF/BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	
	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	48.50	52.50	61.75	
	mm	371	422	384	460	613	740	841	968	1038	1140	1232	1334	1568	
H	in	6.72	7.50	8.25	11.38	12.62	15.38	17.00	18.50	20.88	24.00	26.00	27.50	30.75	
	mm	170	190	210	290	320	390	430	470	530	610	660	700	780	
W	in	24	24	24	32	32	32	32	32	32	40	40	40	40	
	mm	600	600	600	800	800	800	800	800	800	1000	1000	1000	1000	
WT (Kg)	RF/RTJ	45	65	73	135	360	650	930	1350	1890	3100	4300	4950	7100	
	BW	37	53	56	98	291	545	760	1145	1650	2750	3875	4410	6485	

Main size of outside & weight												1500Lb
Size	in	2	2 1/2	3	4	6	8	10	12	14	16	
	mm	50	65	80	100	150	200	250	300	350	400	
L/L1 (RF/BW)	in	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	
	mm	368	419	470	546	705	832	991	1130	1257	1384	
L2 (RTJ)	in	14.62	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25	55.38	
	mm	371	422	473	549	711	841	1000	1146	1276	1407	
H	in	6.75	7.50	8.25	11.38	13.00	15.75	17.38	22.00	25.25	27.12	
	mm	170	190	210	290	330	400	440	560	640	690	
W	in	24	24	32	32	32	32	32	40	40	40	
	mm	600	600	800	800	800	800	800	1000	1000	1000	
WT (Kg)	RF/RTJ	55	75	95	150	540	880	1360	1980	3100	4650	
	BW	40	55	65	115	420	865	1025	1555	2600	3930	

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