锻钢闸阀

FORGED STEEL GATE VALVE

用途 Application

锻钢闸阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片(304夹柔性石墨制造)或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺纹连接，内压自密封环密封。

Forged Steel Gate valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, madein F304+flexible graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint.On request a full penetration strength welded joint is available, The third design is the pressure seal bonnet, with a threaded and pressure seal bonnetjoint.

结构特点 Structure features

- 全径或缩径；
- 明杆支架式（OS & Y）；
- 自定心压板压套式；
- 螺栓连接、缠绕垫片密封式阀盖；
- 螺纹连接、全焊密封式阀盖以及螺纹连接内压自紧式阀盖；
- 整体式上密座；
- 承插端符合ASME B16.11；
- 螺纹连接端（NPT）符合ANSI/ASME B1.20.1。

- Full port or reduced port;
- Outside screw and yoke (OS & Y);
- Two piece self-aligning packing gland;
- Bolted bonnet & spiral wound gasket seal bonnet;
- Threaded and sealwelded bonnet or threaded and pressure seal bonnet;
- Integral backseat;
- Socket weld ends to ASME B16.11;
- Screwed ends (NPT) to ANSI/ASME B1.20.1.

设计标准 Design Construction

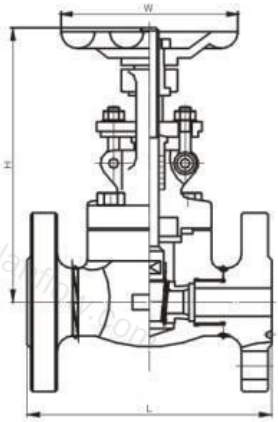
1. 结构形式：栓接阀盖明杆支架结构
2. 驱动方式：手动
3. 设计标准：API602、BS5352
4. 螺纹端：ASME B1.20.1
5. 承插焊端：ASME B16.11
6. 试验和检验：API 598

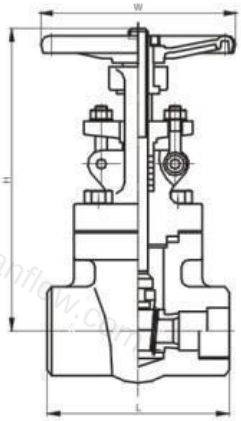
1. Structural formation:Bolt (Weld)-jointed bonnet outside stem yoke structure
2. Driving manner:Hand-operated
3. Design standard:API602、BS5352
4. Thread ends:ASME B1.20.1
5. Socket welded ends:ASME B16.11
6. Test & inspection:API 598

主要零件材料 Major Parts Material Form

序号 No.	零件名称 Part name	材 质 Material
1	法兰 Flange	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
2	阀体 Body	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	阀座 Seat	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
4	闸板 Gate disc	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
5	阀杆 Stem	ASTM A182Gr.F6a、ASTM A182F22 ASTM A182-F304、F316、F321、F304L、F316L
6	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel
7	阀盖 Bonnet	ASTM A105 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
8	螺栓 Bolt	ASTM A193-B7、A320-B8、F321、F304L、F316L
9	填料 Packing	柔性石墨 Graphite
10	填料压套 Packing press-sleeve	ASTM A182Gr.F6a、ASTM A182F22 ASTM A182-F304、F316、F321、F304L、F316L
11	填料压盖 Packing gland	ASTM A216-WCB ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
12	阀杆螺母 Valve stem nut	铜合金 Copper alloy
13	手轮 Handwheel	ASTM A47-32510

锻钢闸阀
FORGED STEEL GATE VALVE



主要外形尺寸及重量 Main Size of Outside & Weight

Class		150					300					600				
DN		L		H①	W	重量 Weight (kg)	L		H①	W	重量 Weight (kg)	L		H①	W	重量 Weight (kg)
mm	in	RF	RTJ				RF	RTJ				RF	RTJ			
15	1/2	108	119	160	100	4.5	140	151	160	100	4.8	165	163.5	160	100	5.8
20	3/4	117.5	130	165	100	5.1	152.5	165	165	100	6.2	190.5	190.5	165	100	7.5
25	1	127	140	192	125	8.5	165	178	192	125	9.4	216	216	192	125	10.3
32	1 1/4	140	153	220	160	11.5	178	191	220	160	14.2	229	229	220	160	16.3
40	1 1/2	165	178	245	160	11.2	190.5	203	245	160	15.5	241	241	245	160	17.5
50	2	178	216	285	180	20	216	232	285	180	23.5	292	295	285	180	28.4

主要外形尺寸及重量 Main Size of Outside & Weight

Class				800				1500			
DN				尺寸 Dimensions (mm)				尺寸 Dimensions (mm)			
缩径Reduced bore		全径 Full bore		L	H①	W	重量 Weight (kg)	L	H①	W	重量 Weight (kg)
mm	in	mm	in								
15	1/2	10	3/8	80	160	100	1.9	111	203	125	4.2
20	3/4	15	1/2	92	165	100	2.1	111	203	125	4.6
25	1	20	3/4	111	192	125	3.2	115	216	160	6.2
32	1 1/4	25	1	120	220	160	6.9	120	235	160	8.2
40	1 1/2	32	1 1/4	120	245	160	6.9	140	275	180	11.0
50	2	40	1 1/2	140	285	180	10.4	162	320	200	15.8
		50	2	172	392	200	15.8	180	368	250	24.5

注：①H为阀门全开时的高度。Notes: H represents the height in full opening condition of valve.

锻钢截止阀

FORGED STEEL GLOBE VALVE

用途 Application

锻钢截止阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片(304夹柔性石墨制造)或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺纹连接，内压自密封环密封。

Forged Steel Globe Valve valves are available in Three bonnet designs. The first design is the Bolted Bonnet, with male-Female joint, spiral wound gasket, made in F304+flexible graphite, Ring joint gasket are also available on request. The second design the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is available. The third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.

结构特点 Structure features

- 全径或缩径；
- 明杆支架式(OS & Y)
- 自定心压板压套式；
- 螺栓连接、缠绕垫片密封式阀盖，螺纹连接、全焊密封式阀盖以及螺纹连接内压自紧式阀盖；
- 整体式上密封座；
- 承插端符合ASME B16.11；
- 螺纹连接端(NPT)符合ANSI/ASME B1.20.1；
- 阀瓣可变换为节流型、针型、球型和止回型。

- Full port or reduced port;
- Outside screw and yoke (OS&Y);
- Two piece self-aligning packing gland;
- Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
- Integral backseat;
- Socket weld ends to ASME B16.11;
- Screwed ends(NPT) to ANSI/ASME B1.20.1;
- Disc can change for throttle type,needle type,all type and check type.

设计标准 Design Construction

1. 结构形式：栓接阀盖明杆支架结构(压力密封)
2. 驱动方式：手动
3. 设计标准：ASME B16.34、BS 5352
4. 结构长度：ASME B16.10
5. 连接法兰：ASME B16.5
6. 试验和检验：API 598

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。

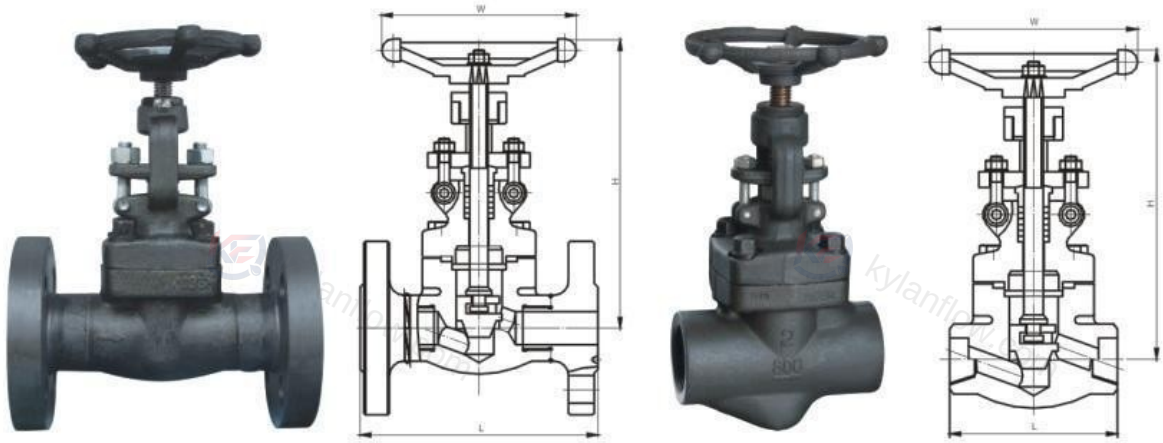
1. Structural formation:Bolt-jointed bonnet outside stem yoke structure(Pressure sealed)
2. Driving manner:Hand-operated
3. Design standard:ASME B16.34、BS 5352
4. Face to face:ASME B16.10
5. Flanged ends:ASME B16.5
6. Test & inspection:API 598

Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major Parts Material Form

序号 No.	零件名称 Part name	材 质 Material
1	法兰 Flange	ASTM A105, ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
2	阀体 Body	ASTM A105, ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3		ASTM A105, ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
4	阀杆 Stem	ASTM A182 Gr.F6a、ASTM A182 F22 ASTM A182-F304、F316、F321、F304L、F316L
5	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel
6	阀盖 Bonnet	ASTM A105, ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
7		ASTM A193-B7、A320-B8、A193-B8M
8	填料 Packing	柔性石墨 Graphite
9	填料压套 Stuffing cover	ASTM A105, ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	填料压盖 Gland	ASTM A216-WCB ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
11	阀杆螺母 Valve stem nut	铜合金 Copper alloy
12	手轮 Handwheel	ASTM A47-32510

锻钢截止阀
FORGED STEEL GLOBE VALVE



主要外形尺寸及重量 Main Size of Outside & Weight

Class		150					300					600				
DN (mm)	NPS (in)	尺寸 Dimensions(mm)				重量 Weight (kg)	尺寸 Dimensions(mm)				重量 Weight (kg)	尺寸 Dimensions(mm)				重量 Weight (kg)
		L(RF)	L(RTJ)	H①	W		L(RF)	L(RTJ)	H①	W		L(RF)	L(RTJ)	H①	W	
15	1/2	108	119	170	100	3.5	152.5	163.5	170	100	4.2	165	163.5	170	100	5.5
20	3/4	117	130	170	100	4.8	178	191	170	100	5.3	190.5	190.5	170	100	7.0
25	1	127	140	205	125	6.5	203	216	205	125	7.5	216	216	205	125	9.7
32	1 1/4	140	153	225	160	9.8	216	229	225	160	11.3	229	229	225	160	12.5
40	1 1/2	165	178	254	160	12	228.5	241	254	160	16.5	241	241	254	160	18.4
50	2	203	216	292	180	15	266.5	282	292	180	18.2	292	295	292	180	20

主要外形尺寸及重量 Main Size of Outside & Weight

Class				900				1500				2500			
DN(mm)		NPS(in)		尺寸 Dimensions(mm)			重量 Weight (kg)	尺寸 Dimensions(mm)			重量 Weight (kg)	尺寸 Dimensions(mm)			重量 Weight (kg)
缩径	全径	缩径	全径	L	H①	W		L	H①	W		L	H①	W	
15	10	1/2	3/8	80	170	100	1.9	111	205	125	4.5	111	190	125	4.5
20	15	3/4	1/2	92	170	100	2.1	111	205	125	4.3	127	225	140	5.5
25	20	1	3/4	111	205	125	3.2	130	240	160	6.8	127	246	160	8.0
32	25	1 1/4	1	120	225	160	6.9	150	258	160	8.5	180	287	160	13.2
40	32	1 1/2	1 1/4	120	254	160	6.9	172	290	160	12.6	180	290	180	12.8
50	40	2	1 1/2	140	292	180	10.4	220	336	180	19.2	210	362	200	19.8
	50		2	178	330	240	15.8	230	428	234	30	230	420	240	30

注：①H为阀门全开时的高度。 Notes: H represents the height in full opening condition of valve.

锻钢止回阀

FORGED STEEL CHECK VALVE

用途 Application

锻钢止回阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片(304夹柔性石墨制造)密封。客户有特殊要求时也可采用金属环连接。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺纹连接，内压自密封环密封。

Forged Steel Check Valve valves are available in Three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, made in F304+flexible graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joion.On request a full penetration strength welded joint is available. The third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.The check valves are also available in three different design configurations. These are piston check, ball check, or swing check designs.

结构特点 Structure features

- 全径或缩径；
- 升降式止回阀；
- 球式止回阀；
- 旋启式止回阀；
- 按需求内置弹簧；
- 螺栓连接、缠绕垫片密封式阀盖，螺纹连接、全焊密封式阀盖以及螺纹连接压力自紧式阀盖；
- 承插端符合ASME B16.11；
- 螺纹连接端（NPT）符合ANSI/ASME B1.20.1；
- 阀瓣可变换软密封、阀瓣、球型阀瓣。

- Full port or reduced port;
- Lift type check valves;
- Ball type check valves;
- Swing type check valves;
- According to requirement to equip inside spring;
- Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
- Socket weld ends to ASME B16.11;
- Screwed ends (NPT) to ANSI/ASME B1.20.1;
- Disc can change for soft seal disc and ball disc.

设计标准 Design Construction

1. 结构形式：栓接阀盖升降式、栓接阀盖旋启式止回阀
2. 设计标准：ASME B16.34、BS5352
3. 结构长度：ASME B16.10
4. 法兰连接：ASME B16.5
5. 螺纹端：ASME B1.20.1
6. 承插焊端：ASME B16.11
7. 试验和检验：API 598

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。

1. Structural formation:Bolt-jointed bonnet lifting type, bolt-jointed bonnet swing type check valve
2. Design standard:ASME B16.34、BS5352
3. Face to face:ASME B16.10
4. Flanged ends:ASME B16.5
5. Thread ends:ASME B1.20.1
6. Socket welded ends:ASME B16.11
7. Test & inspection:API 598

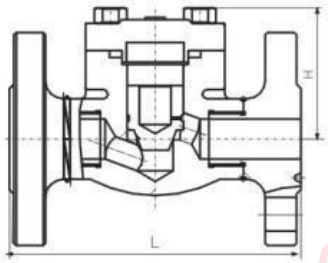
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major Parts Material Form

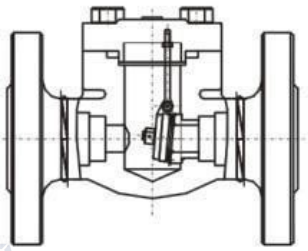
序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
2	阀瓣 Disc	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
3	弹簧 Spring	柔性石墨+不锈钢 Graphite & stainless steel
4	阀盖 Bonnet	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
5	螺栓 Bolt	ASTM A193-B7、A320-B8、A193-B8M
6	球 Ball	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
7	弹簧 Spring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L
8	摇杆 Rocker	ASTM A182 Gr.F6a、ASTM A182 F22、ASTM A182-F304、F316、F321、F304L、F316L
9	销轴 Pivot	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
10	阀座 Seat	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L

锻钢止回阀
FORGED STEEL CHECK VALVE





活塞式
Piston type



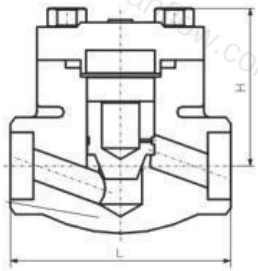
旋启式
Fasten the opening type

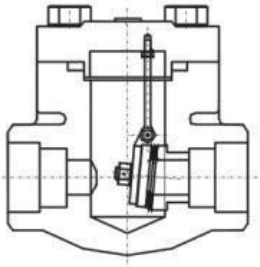
主要外形尺寸及重量 Main Size of Outside & Weight

Class 800

Class		150				300				600			
DN (mm)	NPS (in)	尺寸 Dimensions(mm)			重量 I(II、III) Weight(kg)	尺寸 Dimensions(mm)			重量I(II、III) Weight (kg)	尺寸 Dimensions(mm)			重量I(II、III) Weight (kg)
		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H	
15	1/2	108	119	60	2.5(2.5)	152.5	163.5	60	2.5(2.7)	165	163.5	60	2.8(3.0)
20	3/4	117.5	130	60	3.3(3.4)	178	191	60	3.5(3.5)	191	190.5	60	4.2(4.1)
25	1	127	140	76	4.8(4.4)	203	216	76	5.0(4.8)	216	216	76	5.2(5.8)
32	1 1/4	140	153	85	7.0(8.2)	216	229	85	7.5(8.8)	229	229	85	7.7(9.5)
40	1 1/2	165	178	103	7.5(8.9)	228.5	241	103	7.9(9.8)	241	241	103	9.3(10.0)
50	2	203	216	118	11.0(12.5)	266.5	282	118	11.6(13.5)	292	295	118	13.2(15.5)







主要外形尺寸及重量 Main Size of Outside & Weight

Class 1500

Class	DN(mm)		NPS(in)		尺寸 Dimensions(mm)		重量 Weight (kg)
	缩径	全径	缩径	全径	L	H	
800 (旋启式) Piston type	15	10	1/2	3/8	80	61	1.0
	20	15	3/4	1/2	92	61	1.1
	25	20	1	3/4	111	78	1.8
	32	25	1 1/4	1	120	85	3.2
	40	32	1 1/2	1 1/4	120	103	4.5
	50	40	2	1 1/2	140	119	7.3
		50		2	170	132	9.8
1500 (旋启式) Fasten the opening type	15	10	1/2	3/8	111	79	3.3
	20	15	3/4	1/2	111	79	3.6
	25	20	1	3/4	120	96	4.3
	32	25	1 1/4	1	140	105	6.0
	40	32	1 1/2	1 1/4	140	120	8.7
	50	40	2	1 1/2	160	140	12.5
		50	3/8	2	220	160	16.0

锻钢球阀

FORGED STEEL BALL VALVE

用途 Application

锻钢球阀采用紧凑型与接体结构，由于结构合理，占地空间少，密封性能好，深受广大用户信赖。

Forged Steel Ball Valve are trusted by many customers because of ifs reasonable structures small space-occupation andgood sealing performance

结构特点 Structure features

- 缩径或全径
- 结构：浮动球阀
- 垫片：PTFE
- 承插焊或螺纹连接
- 密封副材质：按客户要求而定
- 主体材质：A105、LF2、F304、F316、F304L、F316等
- 承插焊标准：按客户要求而定
- 螺纹标准：按客户要求而定
- 阀门检验和试验：API 598
- 设计制造：API608、API6D

- Reduced or full port;
- Construction:Floating ball ;
- Gasket: PTFE;
- Socket welding & threaded ends;
- Sealing material:Determined according to customer requirements;
- Body material:A105、LF2、F304、F316、F304L、F316 ;
- Socket welding standards:Determined according to customer requirements;
- Thread standard:Determined according to customer requirements;
- Valve inspection and test:API 598;
- Design & manufacture: API608、API6D;

主要性能规范 Main Performance Parameter

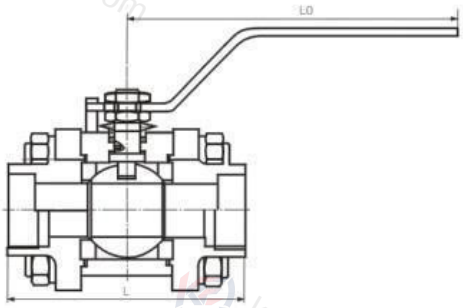
公称压力 Nominal pressure		900LB	1500LB
试验压力 (MPa) Testpressure	强度试验Strength test	22.7	37.8
	密封试验Seat test	16.7	28.1
	气密试验Gas seal test	0.6	0.6
最高工作温度 Maximum operatingtemperature	尼龙<80℃，PTFE<150℃，PPL<220℃		
适用介质 Suitable Medium	水、油及腐蚀性介质 Water、oil & corrosive medium		

主要零件材料 Major Parts Material Form

序号 NO.	零件名称 Part name	CS ASTM	SS ASTM	
		Type A105N	Type F304(L)	Type F316(L)
1,2	阀本接体，阀盖 Body/Bonnet	ASTM A105N	A182 F304(L)	A182 F316(L)
3	等长双头螺栓 Bolt	A193 B7+镀镉	A193 B8	A193 B8M
4	螺母 Nut	A194 2H+镀镉	A194 8	A194 8M
5,8	密封圈/垫片 Seal ring/Gasket	RTFE+Cu粉/尼龙1010/PPL		
6	球体Ball Body	A182 F304	A182 F304 (L)	A182 F316 (L)
7	阀杆Stem	A182 F410	A182 F304 (L)	A182 F316 (L)
9,10	止推片填料 Stem Packing	RTFE+Cu粉/尼龙1010/PPL		
11	压套Gland	A182 F410	A182 F304 (L)	A182 F316 (L)
12	蝶形弹簧Spring	65Mn		
13	扁螺母Nut	A194 B7+镀镉	A194 8	A194 8
14	手柄Wrench	Q235A		
15	圆柱销Pin	A194 B7+镀镉	F316	F316

锻钢球阀
FORGED STEEL BALL VALVE

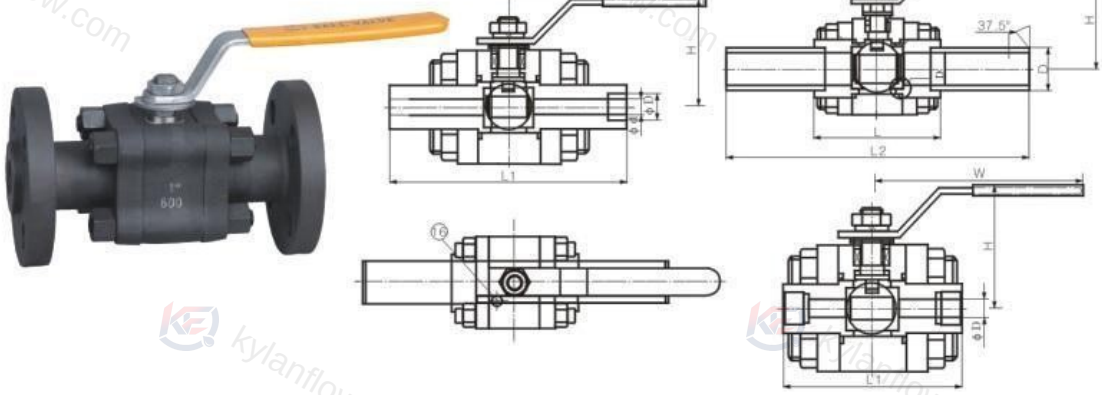




主要外形尺寸及重量/Main Size of Outside & Weight

（3PC）全通径800磅锻钢球阀

尺寸 Dimensions / 口径 Size	1/2"	3/4"	1"	11/4"	11/2"	2"
L	92	111	127	140	152	178
S	21.8	27.1	33.8	42.8	48.7	61.1
B	9.6	12.7	12.7	12.7	12.7	15.9
L0	123	160	160	195	195	250
NPT	1/2"	3/4"	1"	11/4"	11/2"	2"



主要外形尺寸及重量/Main Size of Outside & Weight

（3PC）全通径1500磅锻钢球阀

NPS	d	D	L	L1	L2	H	W
1/2	12.7	22	100	130	200	65	150
3/4	17.5	28	120	130	220	72	150
1	22	34	135	130	235	80	170
1-1/4	28.5	43	165	180	265	80	170
1-1/2	38	49	200	210	300	105	240
2	47.5	61	220	250	320	114	240