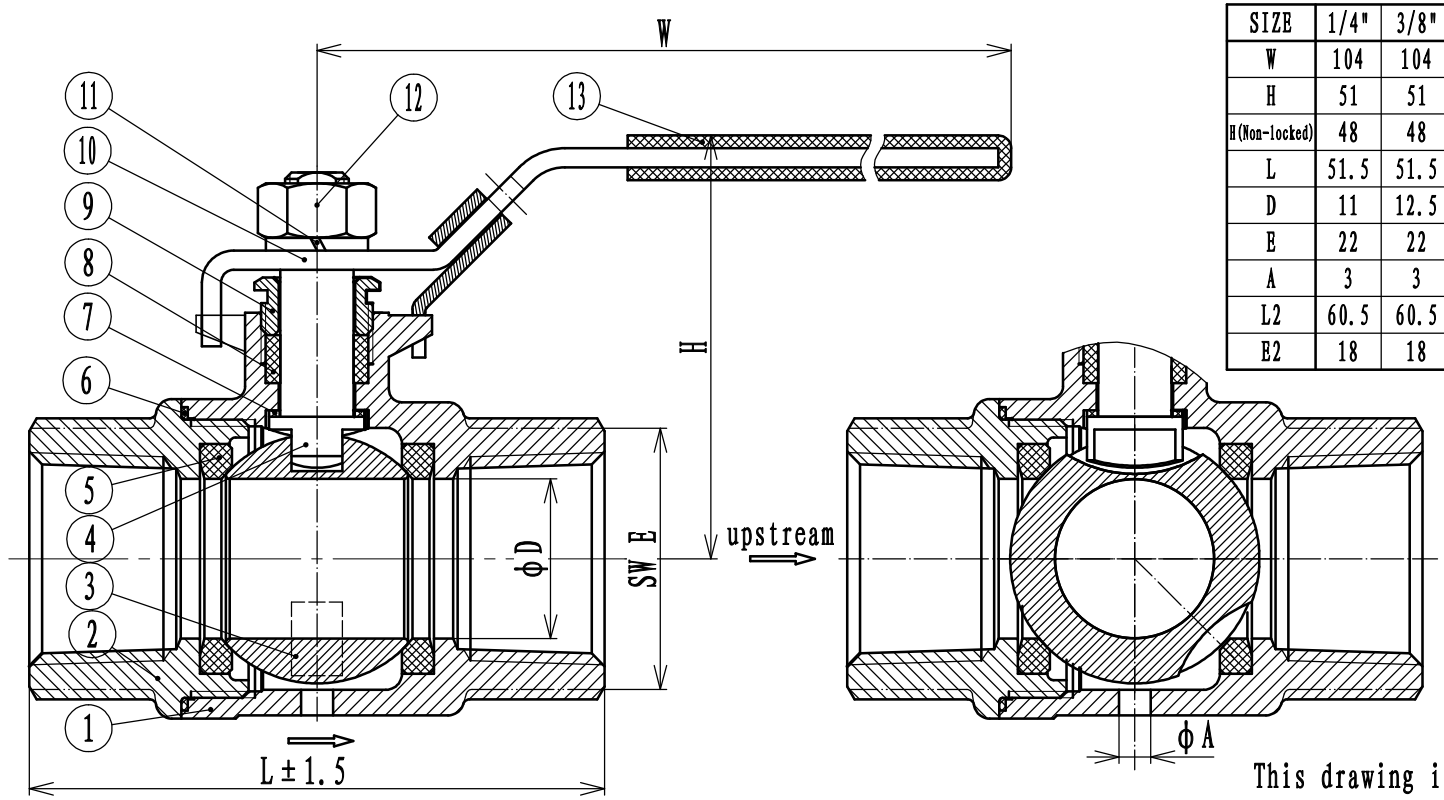
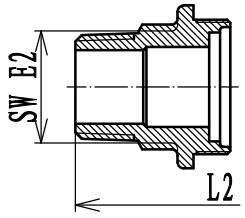


SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
W	104	104	104	126	144	144	189	189	223	223	298
H	51	51	53	65	77	81.5	94.5	102	119	129	169
H(Non-locked)	48	48	49	57	67	72	94	102	119	129	169
L	51.5	51.5	63.5	74	86	98	105.5	122	159	182	224
D	11	12.5	15	20	25	32	38	50	65	76	94
E	22	22	26	32	40	48	56	70	83.5	102	130
A	3	3	3	3	5	5	5	5	8	8	8
L2	60.5	60.5	78.5	88.5	100	110.5	121	141.5	/		
E2	18	18	23	28.5	35	43.5	49.5	62			

Note: The deviation of size L is ±1 in 1/4~1 1/2" and ±1.5 in 2~4"; 16 bars for compressed air.

This drawing is for reference only, please ask for confirmation from our sales representatives for your special requirements. We have the right to change the design of our products.

Malled bonnet



Design specifications

Design basis: ASME B16.34;

Structure length: enterprise standard;

Thread standard: customer order requirements;

Pressure temperature: -29~38° C/6.9MPa、160° C/2.5MPa;

Applicable medium: water, oil, steam and other corrosive, no hard particles of media.

Pressure Test Procedure		
Pressure Rating		1000psi
Test Standard		API598
Test pressure	Shell test	10.4MPa/60s
	High-pressure water closure	7.6 MPa/60s
	Low-pressure gas closure	0.6 MPa/60s

No.	P/N	Name	Qty.	Material	Single Weight	Total Weight	Note
13	SBT-01-xx	Handle cover	1	PVC			
12	GB/T 6170	Hex nut	1	A2-70			
11	GB/T 93	Spring washers	1	304			
10	SB21-01-xx/SB22-01-xx	Handle/non-lockable handle	1	A240-304			
9	YM-01-xx	Tighten the nut	1	A182-F304			
8	TL-xx-xx	stuffing	1	PTFE			
7	ZD-xx-xx	Thrust washer	1	PTFE			
6	MD-xx-xx	Sealing gaskets	1	PTFE			
5	Q218-05	Valve seat	2	RPTFE			
4	Q218-04	Stem	1	A276-316			
3	QTZS-xx-xx	Ball	1	A182-F316			
2	Q21(3)8-02	Bonnet	1	A351-CF8M			
1	Q218-01	Valve body	1	A351-CF8M			

MARKER	REVISE	PARTITION	FILE NO.	SIGNATURE	DATE

DESIGN	Zhao	2026.05.06	PROJECTION	
AUDIT			RATIO	1:1
APPROVAL			VERSION	B1
			Page 1 of 1	

2PC ball valve

Q21(3)8-00

PPS International

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ISO9001-2015 certified (download)