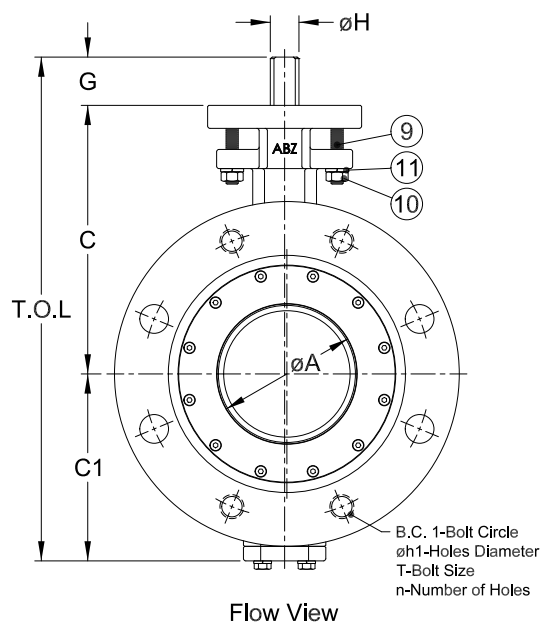
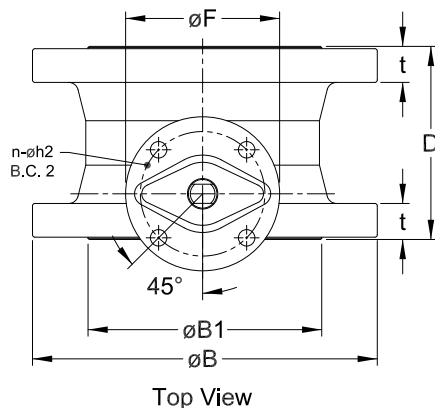
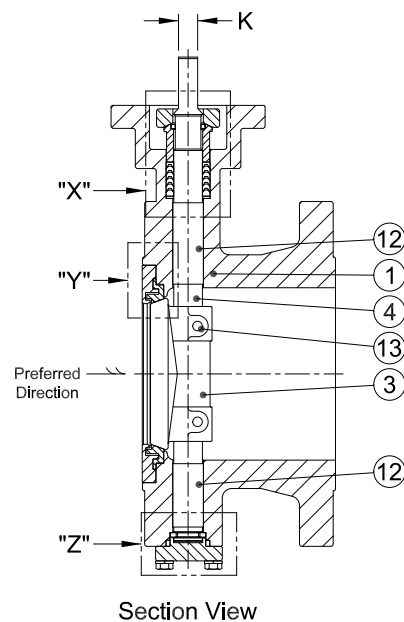
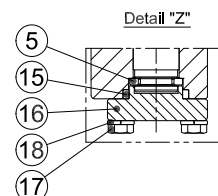
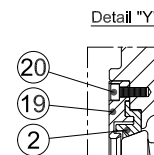
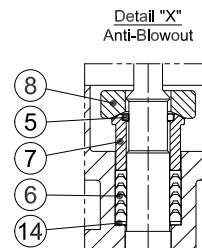
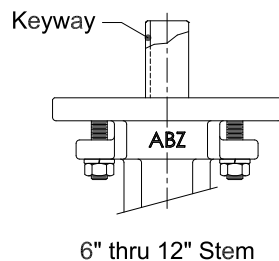


Parts Schedule			
Item No.	Name	Material	No. Req'd
1	Body	-	1
2	Seat Ring	-	1
3	Disc	-	1
4	Stem	-	1
5	Retainer Ring	-	2
6	Packing	-	1 Set
7	Packing Gland	-	1
8	Gland Flange	-	1
9	Gland Bolt	-	2
10	Nut	-	2
11	Spring Washer	-	2
12	Bush Bearing	-	2
13	Disc Pin	-	1 Set
14	Packing Retainer	-	1
15	Cap Packing	-	1
16	Cap	-	1
17	Cap Bolt	-	1 Set
18	Spring Washer	-	1 Set
19	Seat Retainer	-	1
20	Retainer Bolt	-	1 Set

Notes:

- Design : ANSI B16.34 & API 609
- Gasket Contact Surface : Finish 125~250 AARH
- Face to Face Dimension : API 609 Category B
- Flange Connection : ANSI B16.5 Class 600
- Installation Direction : Bi-Directional / Double Dead End Service
- Rated for full vacuum in non-preferred direction.

Test Pressure(Psig)		Hydraulic			Air	
API 598		Shell	2225	Seat	1650	Seat -
FORUM ENERGY TECHNOLOGIES		Valve Solutions ABZ Valves & Controls				
		Title: ABZolute Double Offset Butterfly Valve Series 453 - Class 600 - Double Flange				Scale: N/A Projection: 
DWG No.		4"-12" 453-Bare Stem				Unit: inch
Date	Drawn	Checked	Dimensions are subject to change without notice.			Revision
09-22-11	BC	Tp				0



Valve Dimensions

Valve Size		øA	C	C1	D	øF	G	øH	K	Keyway	øB	øB1	t	T.O.L	Weight	Mounting Base			Flange Dimension			
Inch	MM															B.C. 2	n	øh2	B.C. 1	n	T	øh1
4"	100	3.78	7.01	5.71	7.48	5.98	1.26	.874	.626	—	10.75	6.19	1.75	14.65	84 lbs	5.00	4	.55	8.50	8	7/8"x9unc	1"
6"	150	5.20	8.66	8.07	8.27	5.98	2.24	1.374	—	.31 x .31	14.00	8.50	2.13	19.76	181 lbs	5.00	4	.55	11.50	12	1"x8unc	1 1/8"
8"	200	6.85	11.42	9.45	9.06	8.03	2.99	1.874	—	.50 x .50	16.50	10.62	2.44	23.86	287 lbs	6.50	4	.83	13.75	12	1 1/8"x8un	1 1/4"
10"	250	8.78	13.19	11.02	9.84	8.03	2.99	1.874	—	.50 x .50	20.00	12.75	2.75	27.20	384 lbs	6.50	4	.83	17.00	16	1 1/4"x8un	1 3/8"
12"	300	10.59	15.16	12.72	10.63	11.42	4.02	2.358	—	.75 x .50	22.00	15.00	2.87	31.90	628 lbs	10.00	8	.75	19.25	20	1 1/4"x8un	1 3/8"

t : Included Raised Face Thickness (0.25in)