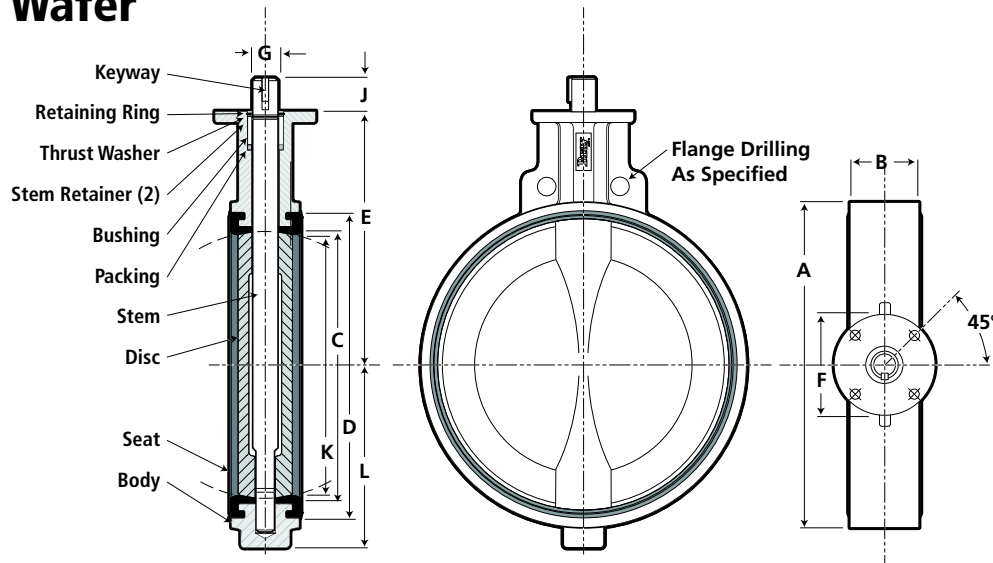
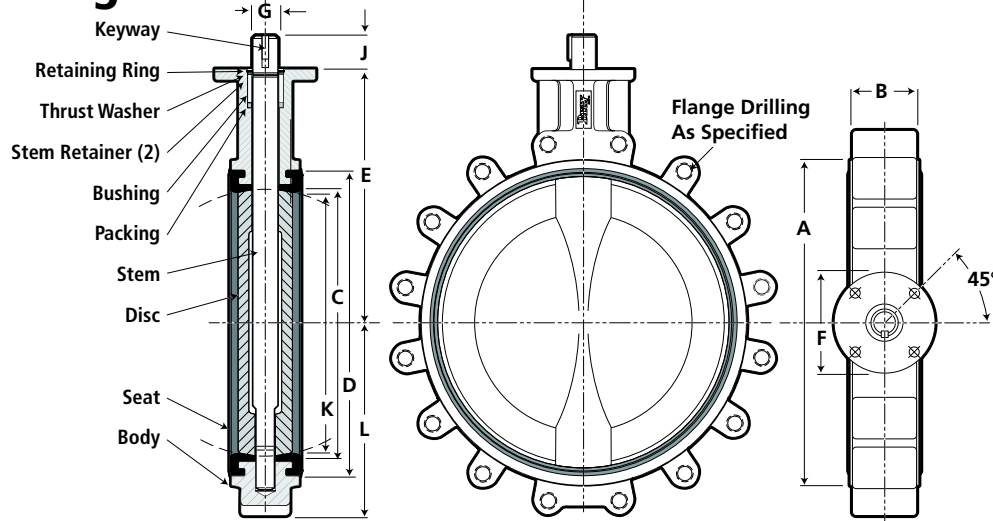


Series 30 Wafer



Series 31 Lug



IMPERIAL DIMENSIONS: Inches

Valve Size	A	B	C	D	E	F	Top Plate Drilling			G	J	Key Size	K	L		Adapter Code	Weight (lbs.)		Lug Bolting Data		
							BC	No of Holes	Hole Diameter					Wafer	Lug		Wafer	Lug	Bolt Circle	No of Holes	Threads ISO Coarse
14	17.05	3.00	13.25	15.28	13.62	5.91	4.92	4	.57	1.38	2.00	.39x.39	13.04	9.38	9.93	F	95	114	18.75	12	1.00-8
16	19.21	4.00	15.25	17.14	14.75	5.91	4.92	4	.57	1.38	2.00	.39x.39	14.85	10.75	11.30	F	135	166	21.25	16	1.00-8
18	21.12	4.25	17.25	19.47	16.00	8.27	6.50	4	.81	1.97	2.50	.47x.39	16.85	12.00	12.15	G	200	226	22.75	16	1.12-7
20	23.25	5.00	19.25	21.59	17.25	8.27	6.50	4	.81	1.97	2.50	.47x.39	18.73	14.00	14.00	G	260	305	25.00	20	1.12-7

Note: K dimension is disc chordal dimension at valve face.

METRIC DIMENSIONS: Millimeters

Valve Size	A	B	C	D	E	F	Top Plate Drilling			G	J	Key Size	K	L		Adapter Code	Weight (Kg)		Lug Bolting Data		
							BC	No of Holes	Hole Diameter					Wafer	Lug		Wafer	Lug	Bolt Circle	No of Holes	Threads ISO Coarse
350	433	76.2	337	388	346	150	125	4	14	35	51	10x10	331	238	252	F	43	52	476	12	1.00-8
400	488	101.6	387	442	375	150	125	4	14	35	51	10x10	377	273	287	F	61	75	540	16	1.00-8
450	536	108.0	438	495	406	210	165	4	21	50	64	12x10	428	305	309	G	91	103	578	16	1.12-7
500	591	127.0	489	548	438	210	165	4	21	50	64	12x10	476	348	358	G	118	138	635	20	1.12-7

Note: K dimension is disc chordal dimension at valve face.

Drawings are for reference only. Please refer to Bray ES drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

SR Drawing #30/31-14/20-im October - 2015

Customer/Project: _____

Inquire/P.O. No.: _____