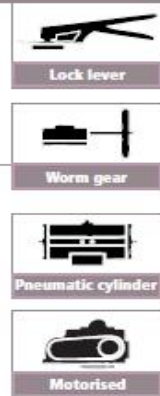


Class 150lb/300lb Rating

334A



Features and benefits

Double offset geometry

The axis of disc rotation is double offset to the seat ring. When the disc rotates, it unseats at a small turning angle by its cam effect. This prevents seat wear and provides reliable sealing performance over long periods.

Applications

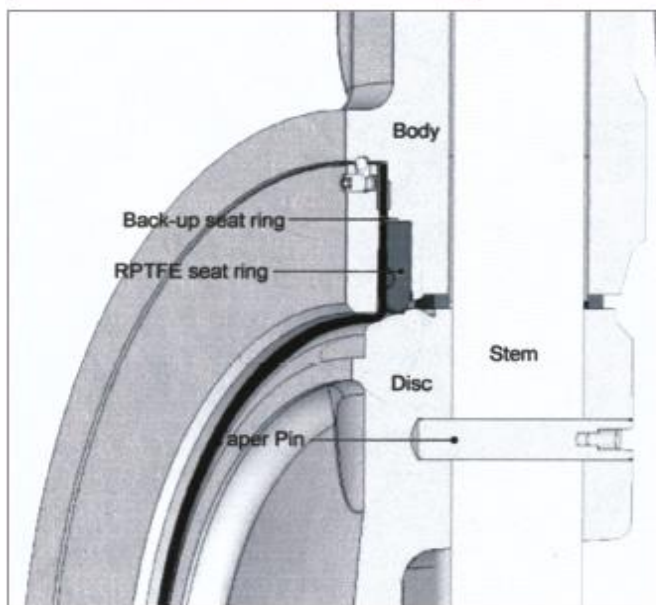
Suitable for general hydrocarbon, chemical process, steam and gas applications.

Standard Specification

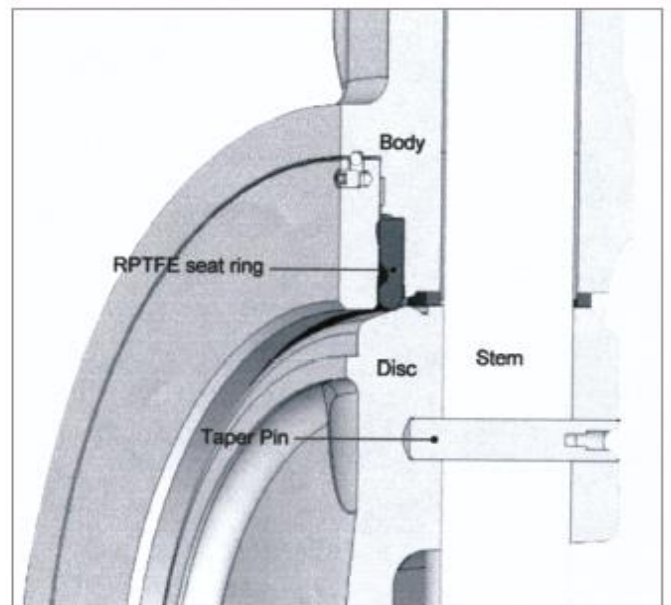
Body style	Wafer, Lugged, Double flanged #1		
Valve nominal size	80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600mm		
Applicable flange standard	ASME B16.5/JPI (API) Class 150, 300, JIS 10/16/20/30K, BS4504 PN 10/16/25/40, DIN NP 10/16/25/40		
Face-to-face dimensions	API609 Category B, Class 150/300		
Seat leakage	ISO 5208 Rate A (Zero leakage), API598, JPI 7S-39		
Flow direction	BI-direction (Recommended flow direction : Pressure to shaft side)		
Test pressure	Body hydrostatic test	1.5 times of rating pressure	
	Seat leakage	7 bar (Air) or 110% of rating pressure (Hydrostatic)	
Temperature range	-29 to 232 degrees C		
Standard materials	Body	A216 WCB	A351 CF8M
	Disc	A351 CF8M	
	Stem	SUS420J2	630SS+H1150
	Seat ring	RPTFE	
	Gland packing	Exfoliated graphite	

#1 A double flange type can also be ordered.

334A Fire safe seat (option)



RPTFE as standard

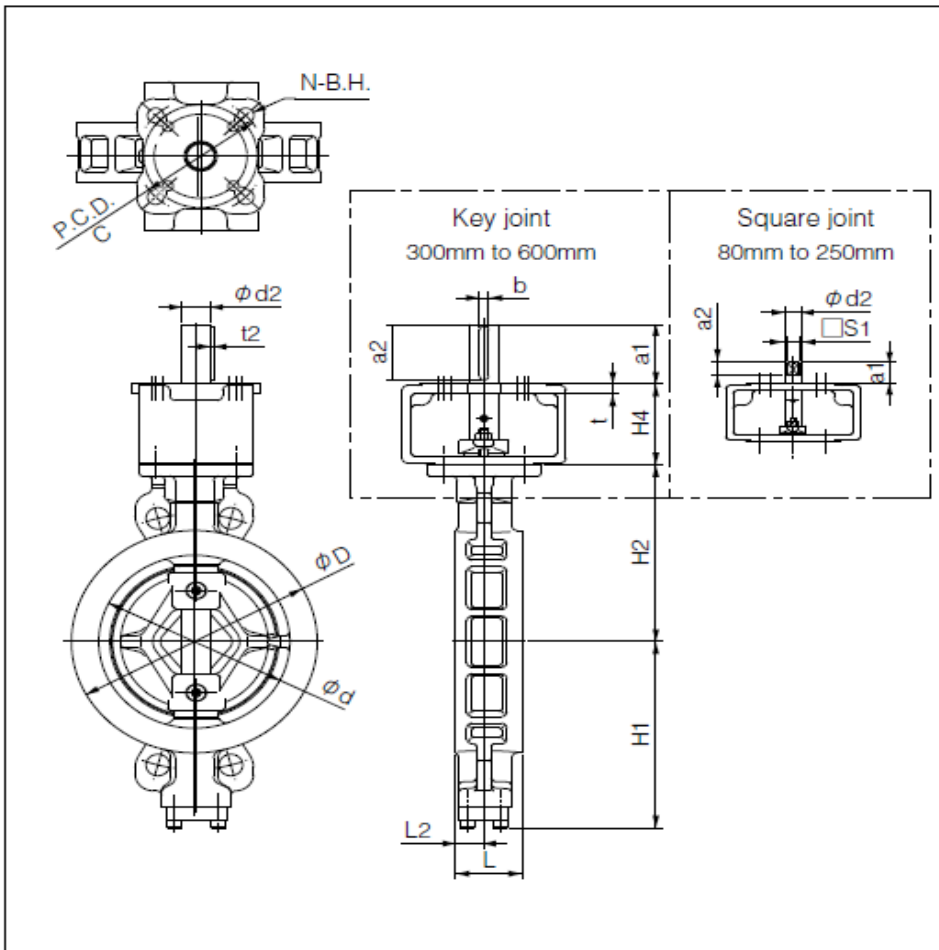


334A Bare Shaft Dimension

■ **150Lb**

Nominal size		Dimension (mm)															Approx. Weight (kg)
mm	inch	ϕd	ϕD	L	L ₂	H ₁	H ₂	a ₁	a ₂	$\square S_1$	ϕd_2	b	t ₂	H ₄	t	Top Flange type	
50	2	60	97	43	17.5	102.5	102.5	22.5	11.5	12	14	—	—	70	8	F07, F10	5.7
80	3	86.5	128	48	20	118	127	26.5	16.5	14	18	—	—	70	8	F07, F10	8
100	4	112	158	54	22	147	149	26.5	20	16	20	—	—	70	8	F07, F10	10.7
150	6	160	216	57	23	186	190	26.5	20	18	22	—	—	98	12	F10, F12, F14	18.9
200	8	210	270	64	26.5	201	209.2	37	30	22	26	—	—	98	12	F10, F12, F14	25.6
250	10	260	324	71	29	254	253	37	34	24	30	—	—	98	12	F10, F12, F14	39
300	12	310	382	81	36	283	280.5	72	67	—	32	10	3	98	12	F10, F12, F14	49
350	14	347	415	92	37	313	301	72	67	—	37	10	3	125	16	F14, F16	73
400	16	402	473	102	40	348	350	86	81	—	42	12	3	125	16	F14, F16	101
450	18	446	534	114	46	394	383.6	86	81	—	45	14	3.5	125	16	F14, F16	145
500	20	497	586	127	55	421	409.2	86	81	—	52	16	4	125	16	F14, F16	179
600	24	600	694	154	70	481	473	116	111	—	60	18	4	150	20	Special A, Special B	304

■ **150Lb 80mm to 600mm**



■ **Top Flange Type Dimension List**

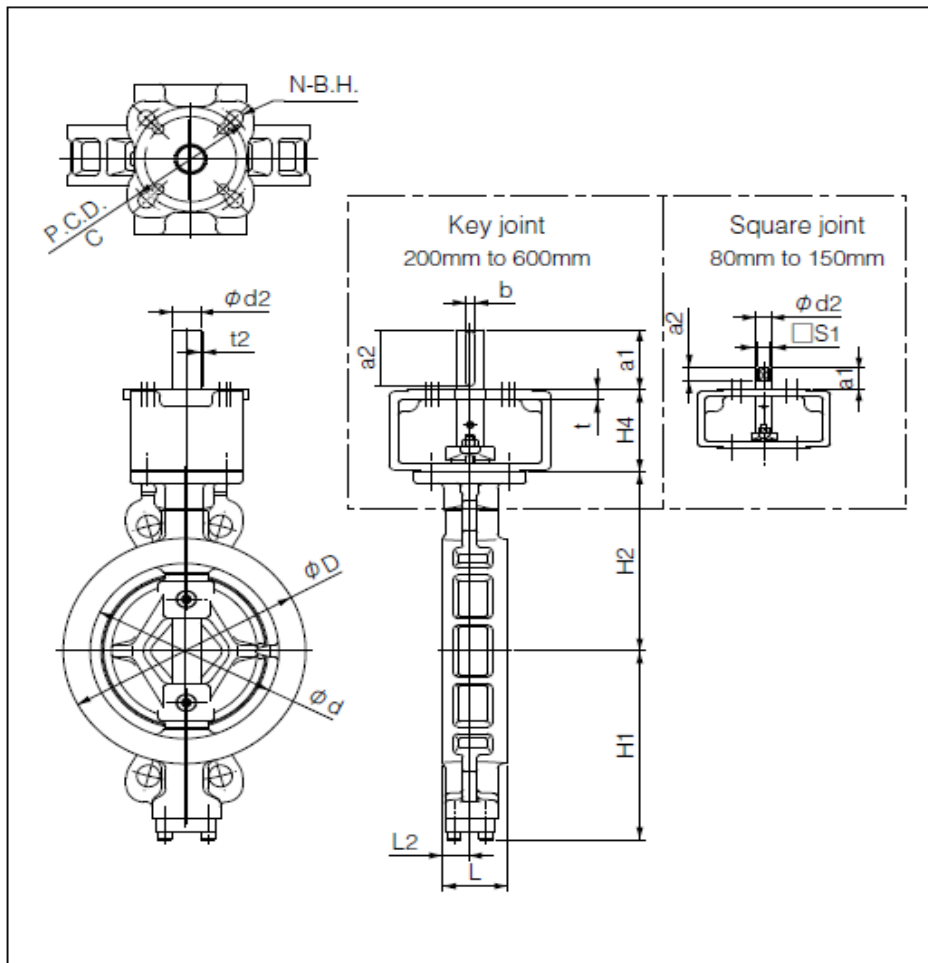
Flange type	P.C.D. C	N	B.H.
F07	70	4	10
F10	102	4	12
F12	125	4	14
F14	140	4	18
F16	165	4	22
F25	254	8	18
Special A	220	4	22
Special B	254	8	22

334A Bare Shaft Dimension

■ 300Lb

Nominal size		Dimension (mm)														Approx. Weight (kg)	
mm	inch	ϕd	ϕD	L	L ₂	H ₁	H ₂	a ₁	a ₂	$\square S_1$	ϕd_2	b	t ₂	H ₄	t		Top Flange type
50	2	60	97	43	17.5	102.5	102.5	22.5	11.5	12	14	—	—	70	8	F07, F10	5.7
80	3	86.5	128	48	20	118	127	26.5	16.5	14	18	—	—	70	8	F07, F10	8
100	4	112	158	54	22	147	149	26.5	20	16	20	—	—	70	8	F07, F10	10.7
150	6	160	216	59	24	192	187	37	30	22	26	—	—	98	12	F10, F12, F14	21.4
200	8	210	270	73	31	226	215	72	67	—	32	10	3	98	12	F10, F12, F14	32
250	10	260	326	83	36	260	253	72	67	—	37	10	3	125	16	F14, F16	60
300	12	310	385	92	42	292	294.5	86	81	—	42	12	3	125	16	F14, F16	83
350	14	347	420	117	52	338	326	86	81	—	45	14	3.5	125	16	F14, F16	113
400	16	402	476	133	61.5	376	364	86	81	—	52	16	4	125	16	F14, F16	157
450	18	446	536	149	70	402	394.5	116	111	—	60	18	4	150	20	F25, Special A	231
500	20	497	590	159	75	431	426.5	116	111	—	65	18	4	150	20	F25, Special A	283
600	24	600	701	181	84	504	496	136	131	—	70	20	4.5	150	20	Special A, Special B	433

■ 300Lb 80mm to 600mm



■ Top Flange Type Dimension List

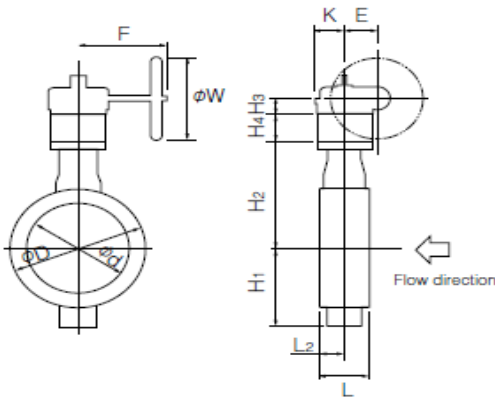
Flange type	P.C.D.	C	N	B.H.
F07	70		4	10
F10	102		4	12
F12	125		4	14
F14	140		4	18
F16	165		4	22
F25	254		8	18
Special A	220		4	22
Special B	254		8	22

Worm Gear Type-150Lb 334A-2U(50 to 300mm) / 334A-2K(350 to 600mm)

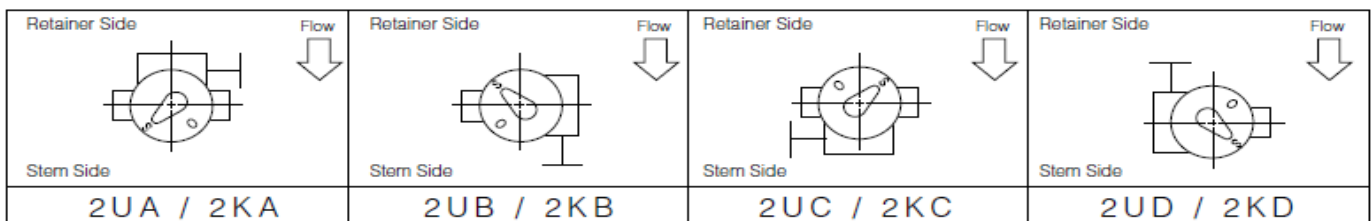
■ **150Lb**

Nominal size		Dimension (mm)												Gear type	Approx. Weight (kg)
mm	inch	ϕd	ϕD	L	L ₂	H ₁	H ₂	H ₃	H ₄	E	K	F	ϕW		
50	2	60	97	43	17.5	102.5	102.5	29.5	70	36	74	160	100	2U-1	8
80	3	86.5	128	48	20	118	127	34.5	70	44	74	173.5	160	2U-2	12.5
100	4	112	158	54	22	147	149	34.5	70	44	74	173.5	160	2U-2	15
150	6	160	216	57	23	186	190	41.5	98	67	90	198	200	2U-3	27
200	8	210	270	64	26.5	201	209.2	41.5	98	67	90	198	200	2U-3	34
250	10	260	324	71	29	254	253	48	98	87.5	90	222.5	280	2U-4	55
300	12	310	382	81	36	283	280.5	48	98	87.5	90	222.5	280	2U-4	65
350	14	347	415	92	37	313	301	52	125	75	113	252	370	SBWG-01	79
400	16	402	473	102	40	348	350	63	125	91.5	113	310	450	SBWG-02	123
450	18	446	534	114	46	394	384	63	125	113	113	343	550	SBWG-03	173
500	20	497	586	127	55	421	409	63	125	113	113	343	550	SBWG-03	207
600	24	600	694	154	70	481	473	85	150	32.7	200	422	710	SBWG-04-1S	363

■ **334A-2U/2K**



■ **2U/2K Installation Direction**

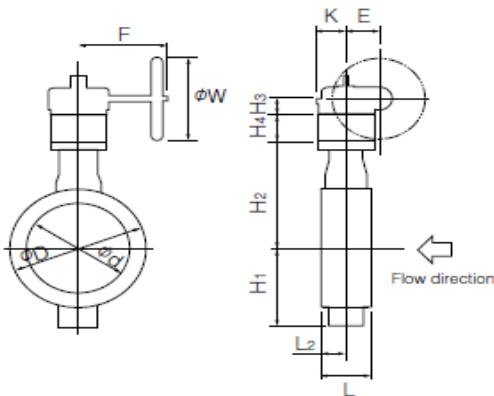


Worm Gear Type-300Lb 334A-2U(50 to 200mm) / 334A-2K(250 to 600mm)

■ **300Lb**

Nominal size		Dimension (mm)												Gear type	Approx. Weight (kg)
mm	inch	ϕd	ϕD	L	L ₂	H ₁	H ₂	H ₃	H ₄	E	K	F	ϕW		
50	2	60	97	43	17.5	102.5	102.5	29.5	70	36	74	160	100	2U-1	8.0
80	3	86.5	128	48	20	118	127	34.5	70	44	74	173.5	160	2U-2	12.5
100	4	112	158	54	22	147	149	34.5	70	44	74	173.5	160	2U-2	15
150	6	160	216	59	24	192	187	41.5	98	67	90	198	200	2U-3	29
200	8	210	270	73	31	226	215	48	98	87.5	90	222.5	280	2U-4	48
250	10	260	326	83	36	260	253	52	125	75	113	360	400	SBWG-01	72
300	12	310	385	92	42	292	294.5	63	125	91.5	113	418.5	500	SBWG-02	104
350	14	347	420	117	52	338	326	63	125	113	113	452	560	SBWG-03	141
400	16	402	476	133	61.5	376	364	63	125	31.5	113	481	560	SBWG-03-1S	190
450	18	446	536	149	70	402	394.5	85	150	32.7	200	550	630	SBWG-04-1S	306
500	20	497	590	159	75	431	426.5	85	150	32.7	200	550	630	SBWG-04-1S	358
600	24	600	701	181	84	504	496	87	150	72.7	200	599.5	710	SBWG-05-1S	531

■ **334A-2U/2K**



■ **2U/2K Installation Direction**

