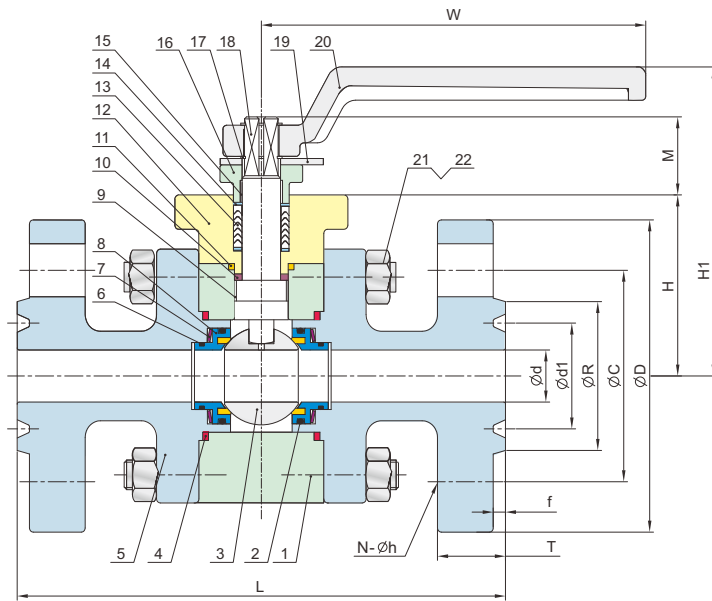
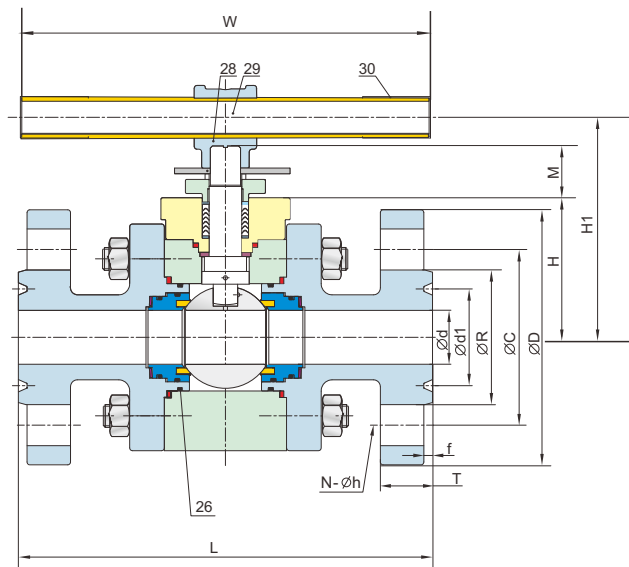


### Applicable Standards:

- Design : ASME B16.34
- Wall Thickness : ASME B16.34
- End Flange : ASME B16.5
- Face to Face : ASME B16.10
- Inspection & Testing : API 598, API 6D



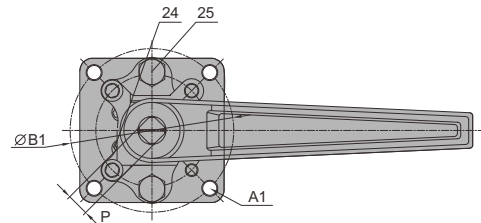
Size : 1/2" ~ 1-1/4"



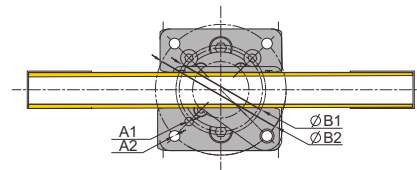
Size : 1-1/2"

NO.	PART NAME	MATERIALS		
1	Body	F316	F304	A105
2	O-ring 1	FKM		
3	Ball	F316	F304	A105+ENP
4	Body Gasket	PTFE/316+Graphite*		
5	Cap	F316	F304	A105
6	Seal ring	FKM / Graphite*		
7	Belleville Spring	17-7PH		
8	Seat	F316+DEVLON	F304+DEVLON	A105+DEVLON
9	Stem Sleeve 1	50%SS+50%PTFE		
10	Stem Bushing	50%SS+50%PTFE		
11	Flange Gasket	316+Graphite*		
12	Top Bonnet	F316	F304	A105
13	Stem Packing	PTFE / Graphite*		
14	Packing Gasket	304		
15	Stem Sleeve 2	50%SS+50%PTFE		
16	Packing Gland	CF8M	CF8	WCB
17	Snap Ring	65Mn		
18	Stem	F316	F304	A182-F6a
19	Tringle Stopper	304		
20	Handle	WCB		
21	Bolt	A193-B8(304)		
22	Bolt Nut	A194-2H		
24	Bolt	A193-B8		
25	Bolt	A193-B8		
26	O-ring 3	FKM		
28	Handle Adapter	CF8		
29	Pipe Handle	A53+Zn Plated		
30	Lever Sleeve	VINYL PLASTI		

\* Materials for KV-L65, KV-L66 (Fire-Safe Models)



Size : 1/2" ~ 1-1/4"



Size : 1-1/2"

### ASME Class 900/1500

Unit: mm

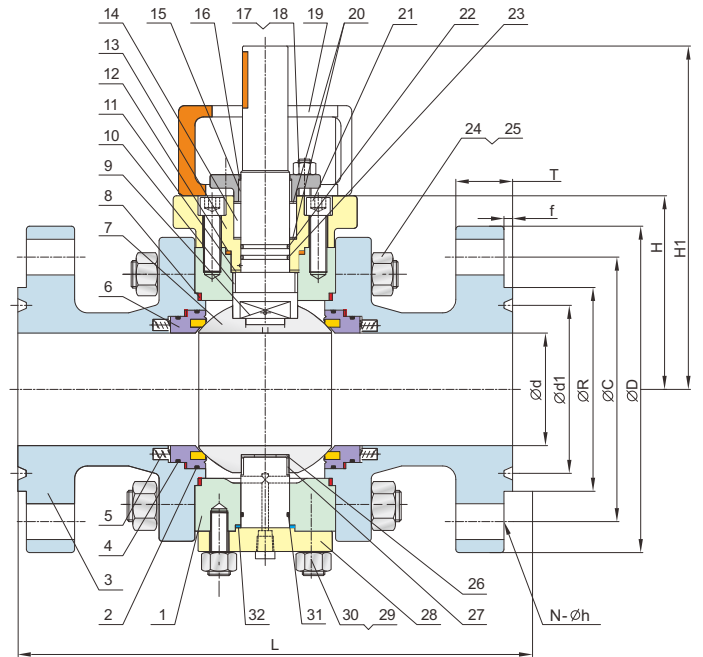
Size	Class	ød	ød1	øR	øC	øD	H	M	H1	W	L	P	B1	B2	A1	A2	f	T	N	øh
1/2"	900# & 1500#	15	39.68	60.3	82.6	120	78.0	28.3	131.0	160	216	11	70	—	M8	—	6.35	22.3	4	22.3
3/4"		20	40.45	66.5	88.9	130	78.0	28.3	131.0	160	229	11	70	—	M8	—	6.35	25.4	4	22.3
1"		25	50.80	71.5	101.6	150	87.0	37.5	148.5	200	254	14	102	—	M10	—	6.35	28.6	4	25.5
1-1/4"		32	60.33	81.0	111.1	160	92.0	38.5	154.5	200	254	14	102	—	M10	—	6.35	28.6	4	25.5
1-1/2"		38	38.28	92.0	123.8	180	98.5	36.5	155.0	302	305	—	70	102	M8	M10	6.35	31.8	4	28.6

### Applicable Standards:

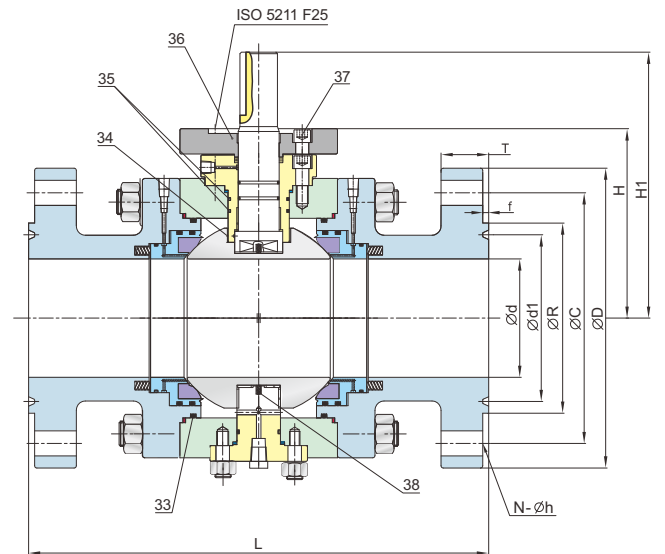
- Design : ASME B16.34, API 6D
- Wall Thickness : ASME B16.34
- End Flange : ASME B16.5
- Face to Face : ASME B16.10
- Inspection & Testing : API 598

NO.	PART NAME	MATERIALS		
1	Body	F316	F304	A105
2	O-ring	FKM		
3	Cap	F316	F304	A105
4	Seal ring	FKM / Graphite*		
5	Spring	17-7PH		
6	Seat	F316+DEVLON	F304+DEVLON	A105+DEVLON
7	Ball	F316	F304	A105+ENP
8	Body Gasket	PTFE / 316+Graphite*		
9	Stem	F316	F304	A182-F6a
10	Stem Sleeve	50%SS+50%PTFE		
11	Stem Bushing	50%SS+50%PTFE		
12	Flange Gasket	PTFE / 316+Graphite*		
13	Top Bonnet	F316	F304	A105
14	Stem Packing	PTFE / Graphite*		
15	Stem Sleeve	50%SS+50%PTFE		
16	Packing Gland	CF8M	CF8	
17	Bolt	A193-B8		
18	Bolt Nut	A194-2H		
19	Yoke	WCB		
20	Packing Bushing	316	304	
21	Bolt	A193-B8	A193-B7	
22	O-ring	FKM		
23	O-ring	FKM		
24	Bolt	A193-B8		
25	Bolt Nut	A194-2H		
26	Lower Stem Bushing	50%SS+50%PTFE		
27	Lower Stem Sleeve	50%SS+50%PTFE		
28	Lower Stem	F316	F304	A182-F6a
29	Bolt	A193-B8		
30	Bolt Nut	A194-2H		
31	O-ring	FKM		
32	Gasket	PTFE / 316+Graphite*		
33	O-ring	FKM		
34	Top Bonnet Sleeve	50%SS+50%PTFE		
35	O-ring	FKM		
36	Joint Flange	F316	F304	A105
37	Bolt	A193-B8	A193-B7	
38	Spring	17-7PH		

\* Materials for KV-L65, KV-L66 (Fire-Safe Models)



Size : 2" ~ 4"



Size : 6" ~ 8"

### ASME Class 900/1500

Unit: mm

Size	Class	ød	ød1	øR	øC	øD	H	H1	L	f	T	N	øh	ISO 5211
2"	900#	49	95.25	124	165.0	216	216	228.0	371	7.92	38.1	8	26.0	F10
2-1/2"	1500#	65	108.00	137	190.5	245	150	213.0	419	7.92	41.3	8	28.7	F12
3"	900#	75	123.80	156	190.5	240	150	259.5	381	7.92	38.1	8	25.5	F12
	1500#	75	136.60	168	203.0	265	150	259.5	473	7.92	47.7	8	31.8	F12
4"	900#	100	149.20	181	235.0	290	164	305.0	457	7.92	44.5	8	31.8	F14
	1500#	100	161.92	194	241.3	310	164	305.0	549	7.92	54.0	8	35.0	F14
6"	900#	150	211.10	241	317.5	380	240	337.0	613	7.92	55.6	12	31.8	F16
	1500#	144	211.10	248	317.5	395	252	339.0	711	9.53	82.6	12	31.8	F25
8"	900#	201	269.90	318	393.7	470	315	423.0	740	11.13	63.5	12	38.0	F25
	1500#	192	269.88	318	393.7	485	320	428.0	841	11.13	92.1	12	44.5	F25