



Type: Wafer, Lugged, U-flanged
Face to Face: API609, BS EN 558, DIN3202, ISO 5752
Flange: DIN, BS, UNI, ISO, ANSI, AS, JIS
Mounting Flange: ISO5211

Working Pressure: DN40 – 300: PN16 (200PSI)
DN350 & above:PN10 (150PSI)
Application: HVAC, Water Supply & Sewage, Chemical/Petrochemical/Processing, Power and Utilities, Paper and Pulp, Ship Building

Weather Seal

Top bushing keeps dust and moisture from entering the upper shaft journal.

Shaft

One-piece through shaft ensures dependability and positive disc positioning.

Bushings (4-5)

Shaft bushings reduce torque and isolate the shaft from the valve body, preventing seizure of the shaft due to corrosion in the shaft journal.

Seat Face

Seat to flange seal eliminates the need for flange gaskets.

Seat

Phenolic-backed seat is non-collapsible, stretch resistant, blow out proof, and field replaceable.

*Optional: Rubber seat can be vulcanized to body (Series 102)

Mounting Flange

ISO 5211 mounting flange accommodates direct mounting of all types of actuators, including: handles, gear operators, electric and pneumatic.

O-Ring (1-2)

Shaft seal provides further assurance against shaft leakage.

Flats Seal

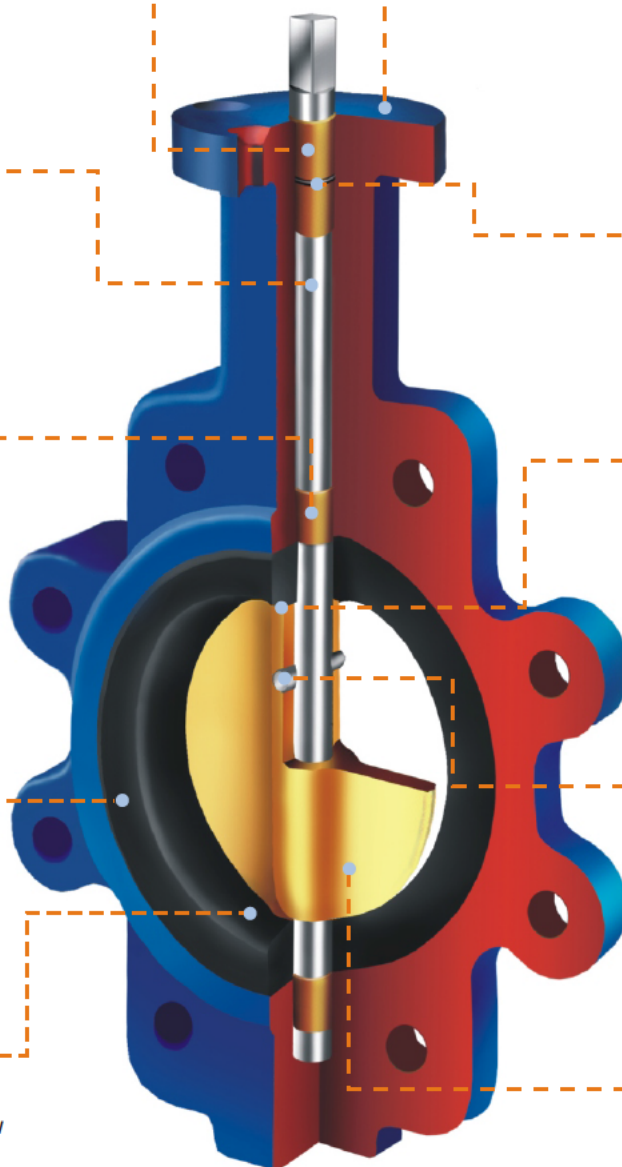
Smooth finished disc flats mate with seat flats to give a highly efficient primary seal that prevents leakage into the shaft area.

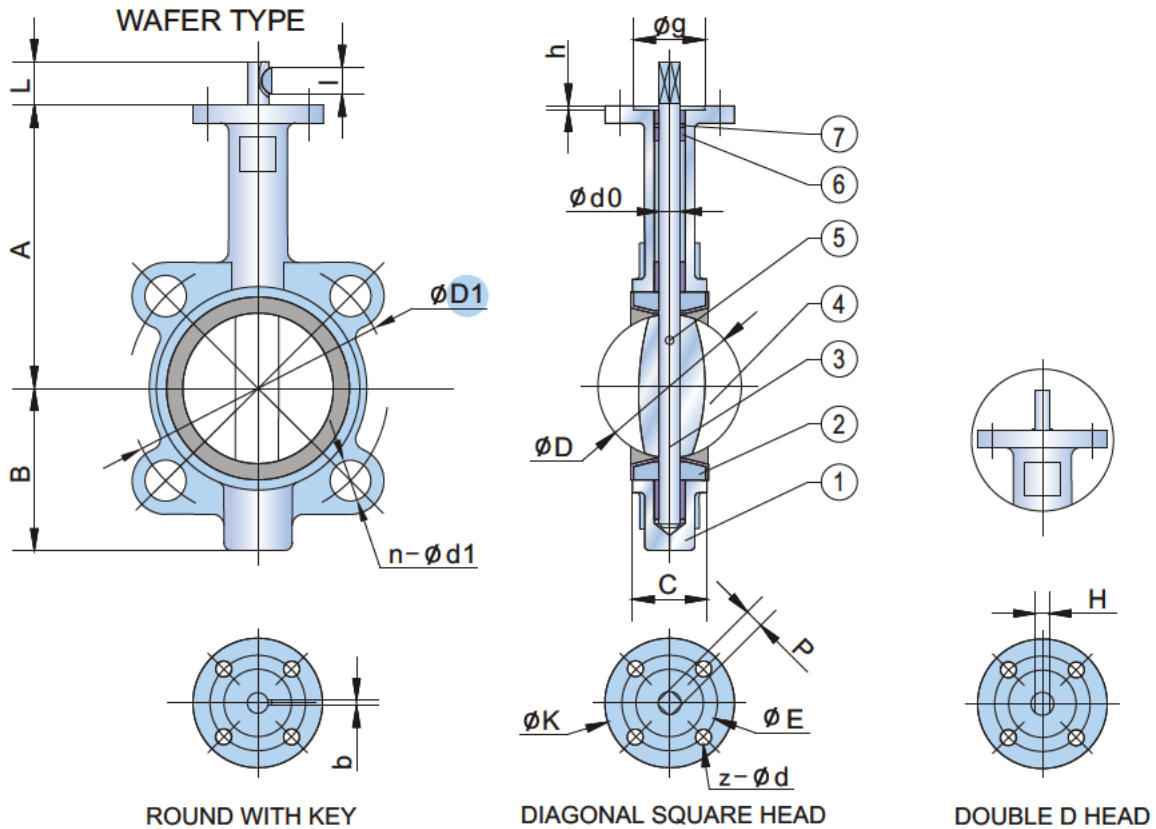
Taper Pin (1-3)

Precision taper pin ensure positive, vibration proof, shaft to disc connection. Field replaceable.

Disc

Precision profile provides bubble-tight shut-off, assures minimum torque and longer seat life.





ROUND WITH KEY

DIAGONAL SQUARE HEAD

DOUBLE D HEAD

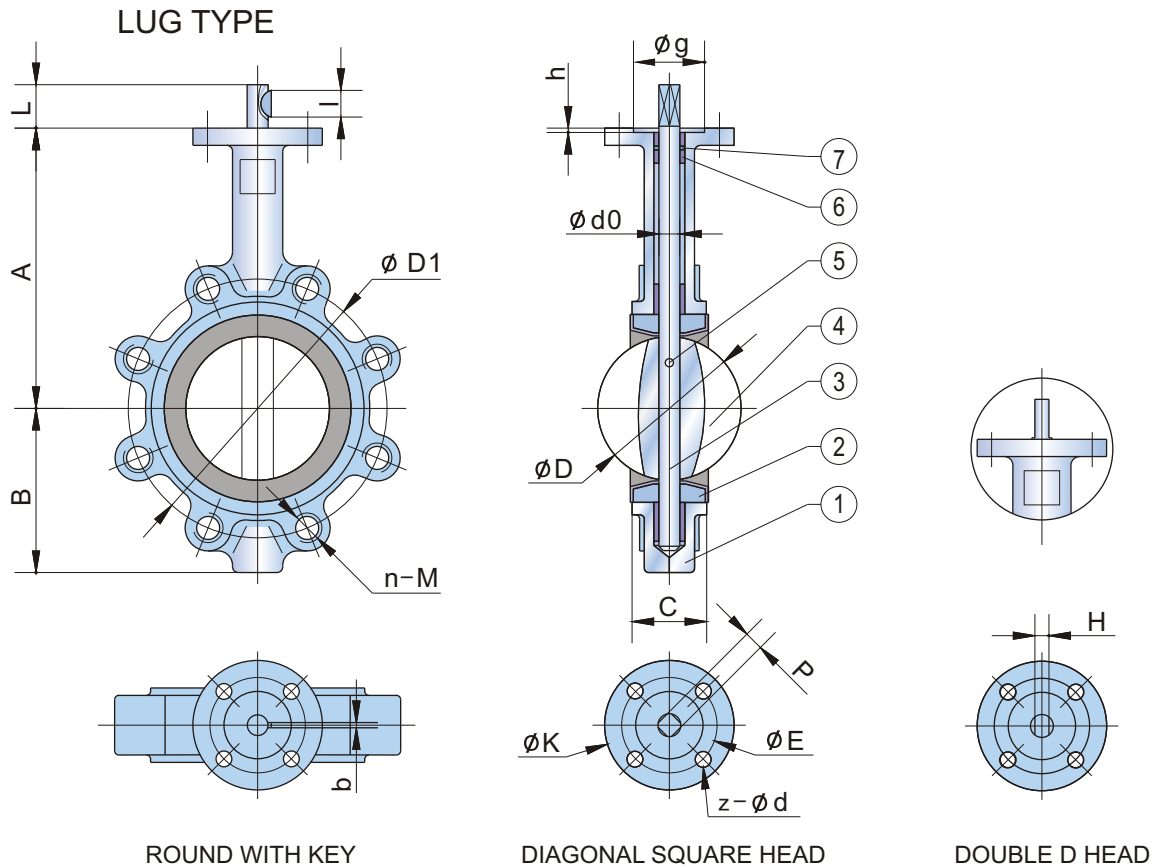
STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel
2	Seat	NBR, EPDM, Viton, Neoprene, Hypalon, Silicon
3	Shaft	Stainless Steel 410, 316, 17-4PH
4	Disc	Ductile Iron+Ni, CF8, CF8M, Bronze
5	Pin	Stainless Steel
6	Bushing	PTFE, Bronze
7	O Ring	NBR, EPDM

DIMENSIONS AND WEIGHTS

SIZE		A	B	C	D	L	d0	P	H	KEY bXl	UPPER FLANGE					ANSI 150		DIN PN10/16		Weight (kg)
in	DN										K	E	z d	g	h	D1	n d1	D1	n d1	
1 1/2	40	145	75	33	42.4	32	12.6	9	10	3X16	77	50	4.7	35	3	98.5	4 16	110	4 18	2.2
2	50	161	80	42	52.6	32	12.6	9	10	3X16	77	50	4.7	35	3	120.5	4 19	125	4 18	2.5
2 1/2	65	175	89	44.7	64.5	32	12.6	9	10	3X16	77	50	4.7	35	3	139.5	4 19	145	4 18	3.2
3	80	181	95	45.2	78.8	32	12.6	9	10	3X16	77	50	4.7	35	3	152.5	4 19	160	4/8 18	3.6
4	100	200	114	52.1	104	32	15.77	11	12	5X19	90	70	4.9	55	3	190.5	8 19	180	8 18	4.9
5	125	213	127	54.4	123.3	32	18.92	14	14	5X19	90	70	4.9	55	3	216	8 22	210	8 18	7.0
6	150	226	139	55.8	155.6	32	18.92	14	14	5X19	90	70	4.9	55	3	241.5	8 22	240	8 23	7.8
8	200	260	175	60.6	202.5	45	22.1	17	17	5X19	125	102	4.12	70	3.5	298.5	8 22	295	8/12 23	13.2
10	250	292	203	65.6	250.5	45	28.45	22	22	8X28	125	102	4.12	70	3.5	362	12 25	350/355	12 23/27	19.2
12	300	337	242	76.9	301.6	45	31.6	22	24	8X28	140	102	4.12	70	3.5	432	12 25	400/410	12 23/27	32.5
14	350	368	267	76.5	333.3	45	31.6	22	24	8X28	140	102	4.12	70	3.5	476	12 29	460/470	16 23/27	41.3
16	400	400	309	86.5	389.6	51.2	33.15	27	24	10X50	197	140	4.18	100	4	540	16 29	515/525	16 27/30	61
18	450	422	328	105.6	440.5	51.2	38	27	27	10X50	197	140	4.18	100	4	578	16 32	565/585	20 27/30	79
20	500	480	361	131.8	491.6	64.2	41.15	36	32	10X50	197	140	4.18	100	4	635	20 32	620/650	20 27/33	128
24	600	562	459	152	592.5	70.2	50.65	36	36	2 16X60	276	165	4.23	130	5	749.5	20 35	725/770	20 30/36	188
28	700	624	520	163	695	66	63.35			2 18X63	300	254	8.18	200	5.5	863.5	28 35	840	24 30/36	284
30	750	660	539	165	744.3	66	63.35			2 18X63	300	254	8.18	200	5.5	914.5	28 35			328
32	800	672	591	188	794.7	66	63.35			2 18X63	300	254	8.18	200	5.5	978	28 41	950	24 33/39	368
36	900	720	656	203	864.7	118	75			2 20X100	300	254	8.18	200	5.5	1086	32 41	1050	28 33/39	713
40	1000	800	721	216	965	142	85			2 22X125	300	254	8.18	200	5.5	1200	36 41	1160/1170	28 36/42	864

NOTE: 1. 14" 24" maximum working pressure with 1.6MPa (200PSI) can be supplied as per customer requirement.
 2. The type of key for size 16" & larger is flat.
 3. The valve with rubber seat vulcanized directly on the body can be supplied as per customer requirement, which series number is 102.



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1	Body	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel
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2	50	161	80	42	52.6	32	12.6	9	10	3X16	77	50	4 7	35	3	120.5	4 5/8"	125	4 M16	3.8
2 1/2	65	175	89	44.7	64.5	32	12.6	9	10	3X16	77	50	4 7	35	3	139.5	4 5/8"	145	4 M16	4.2
3	80	181	95	45.2	78.8	32	12.6	9	10	3X16	77	50	4 7	35	3	152.5	4 5/8"	160	4/8 M16	4.7
4	100	200	114	52.1	104	32	15.77	11	12	5X19	90	70	4 9	55	3	190.5	8 5/8"	180	8 M16	9.0
5	125	213	127	54.4	123.3	32	18.92	14	14	5X19	90	70	4 9	55	3	216	8 3/4"	210	8 M16	10.9
6	150	226	139	55.8	155.6	32	18.92	14	14	5X19	90	70	4 9	55	3	241.5	8 3/4"	240	8 M20	14.2
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16	400	400	309	86.5	389.6	51.2	33.15	27	24	10X50	197	140	4 18	100	4	540	16 1"	515/525	16 M24/M27	96
18	450	422	328	105.6	440.5	51.2	38	27	27	10X50	197	140	4 18	100	4	578	16 1 1/8"	565/585	20 M24/M27	122
20	500	480	361	131.8	491.6	64.2	41.15	36	32	10X50	197	140	4 18	100	4	635	20 1 1/8"	620/650	20 M24/M30	202
24	600	562	459	152	592.5	70.2	50.65	36	36	2 16X60	276	165	4 23	130	5	749.5	20 1 1/4"	725/770	20 M27/M33	270

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