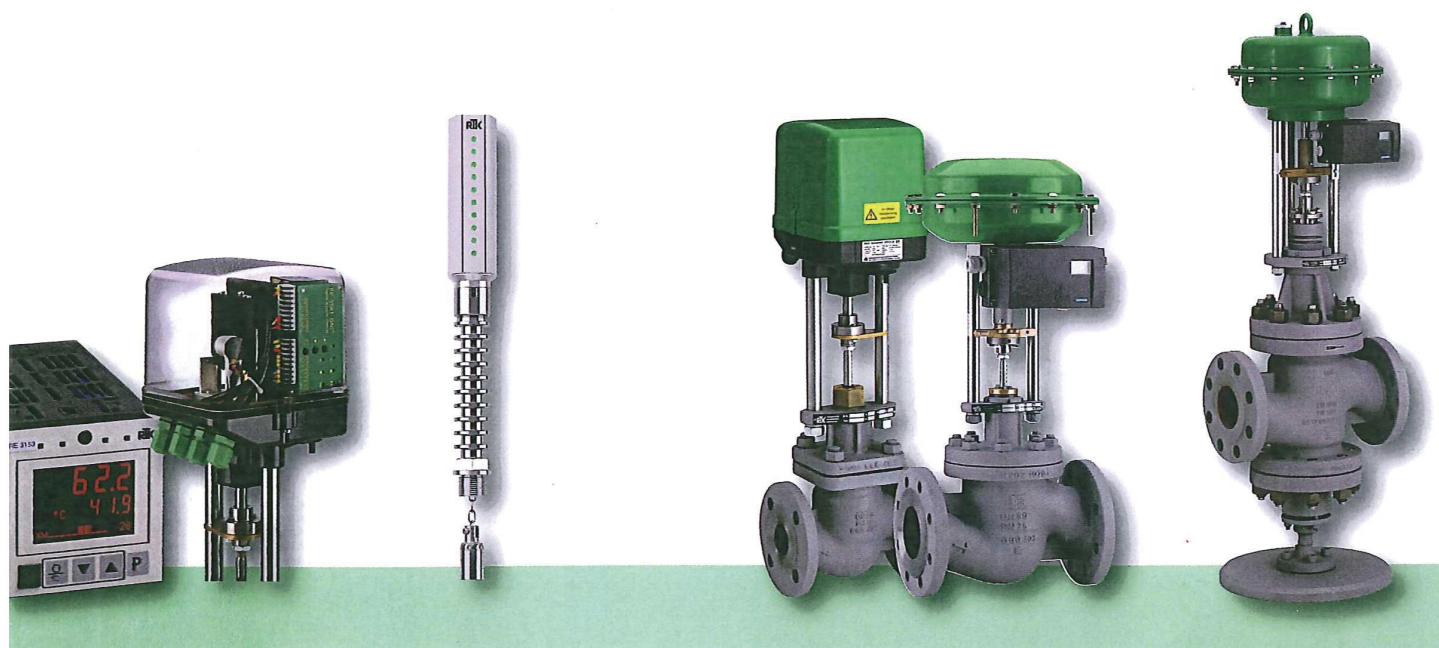
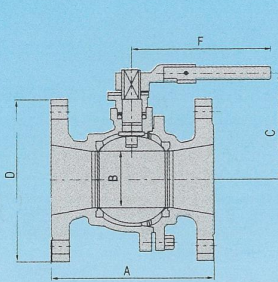


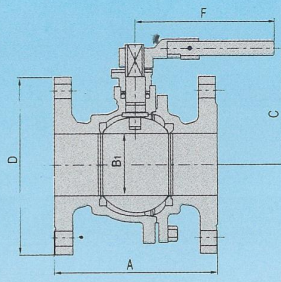
Produktübersicht
Product overview
Gamme de produits

2 T-ATYCO(BALL.BUTTERFLY)

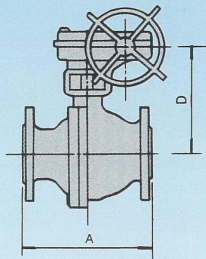




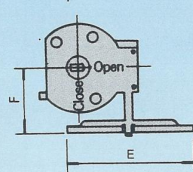
Size 1/2" to 8"



Size 1/2" to 6"



Size 6" and larger
Gear Operated



Enclosed Gear
Operator



Features

- Design requirements of ANSI B16.10
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34
- Gear unit can be provided for 6" and larger

PARTS NAME	MATERIALS
BODY	ASTM A216 GR WCB
BODY CAP	ASTM A216 GR WCB
BALL	ASTM A351 GR CF8
STEM	ASTM A276 GR 316
SEATS	REINFORCED PTFE
GLAND FLANGE	ASTM A351 GR CF8
STOPPER	ASTM A276 GR 304
HANDLE	CARBON STEEL
BODY BOLT/NUT	ASTM A193 GR B7/A194 GR 2H
GASKET	PTFE
GLAND PACKING	PTFE
BACK SEAT	REINFORCED PTFE
WEAR RING(GLAND)	REINFORCED PTFE
WEAR RING(STEM)	REINFORCED PTFE
GLAND BOLT	ASTM A193 Gr B7
SNAP RING	CS+ENP
BAR	CARBON STEEL

ANSI CLASS 150(Full Bore)

SIZE	A	B1	C	D	E	F	WT(LBS)
1/2	4.25	0.50	2.51	3.50	-	5.11	4.85
3/4	4.62	0.75	2.51	3.88	-	5.11	6.39
1	5.00	1.00	3.09	4.25	-	6.29	8.82
1 1/2	6.50	1.50	4.01	5.00	-	9.05	23.14
2	7.00	2.00	4.37	6.00	-	9.05	16.53
3	8.00	3.00	5.90	7.50	-	15.74	46.19
4	9.00	4.00	6.92	9.00	-	18.11	83.77
6	15.50	6.00	10.03	11.00	-	43.00	165.34
8	18.00	8.00	12.99	13.50	15.74	9.44	308.64
10	21.00	10.00	16.14	16.00	21.65	16.53	529.11

ANSI CLASS 150(Reduced Bore)

SIZE	A	B1	C	D	E	F	WT(LBS)
3/4	4.25	0.50	2.51	3.88	-	5.11	5.43
1	5.00	0.75	2.51	4.25	-	5.11	7.50
1 1/2	6.50	1.00	3.09	5.00	-	6.29	4.57
2	7.00	1.50	4.01	6.00	-	9.05	16.20
3	8.00	2.00	5.12	7.50	-	15.74	32.40
4	9.00	3.00	5.91	9.00	-	15.74	50.26
6	15.50	4.00	8.46	11.00	-	27.55	90.94
8	18.00	6.00	10.04	13.50	-	43.30	154.32
10	21.00	8.00	12.99	16.00	15.74	9.44	264.55
12	24.00	10.00	16.14	19.00	21.65	16.53	440.92

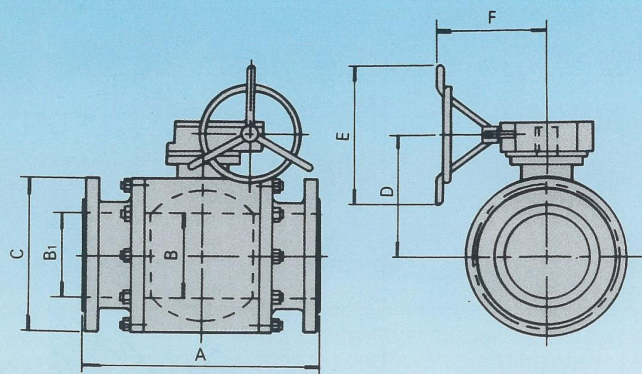
ANSI CLASS 300(Full Bore)

SIZE	A	B1	C	D	E	F	WT(LBS)
1/2	5.50	0.50	2.51	3.75	-	5.11	5.51
3/4	6.00	0.75	2.51	4.62	-	5.11	8.15
1	6.50	1.00	3.09	4.88	-	6.29	12.12
1 1/2	7.50	1.50	4.01	6.12	-	9.05	25.35
2	8.50	2.00	5.00	6.50	-	9.05	33.06
3	11.12	3.00	5.90	8.25	-	15.74	66.13
4	12.00	4.00	7.09	10.00	-	27.55	109.12
6	15.88	6.00	10.28	12.50	-	43.30	220.46
8	19.75	8.00	16.46	15.00	15.74	9.44	374.78
10	22.38	10.00	20.08	17.50	21.65	16.53	760.59

ANSI CLASS 300(Reduced Bore)

SIZE	A	B1	C	D	E	F	WT(LBS)
3/4	6.00	0.50	2.51	4.62	-	5.11	6.93
1	6.50	0.75	2.51	4.88	-	6.29	10.30
1 1/2	7.50	1.00	3.09	6.12	-	9.05	17.75
2	8.50	1.50	4.61	6.50	-	9.05	23.14
3	11.12	2.00	5.91	8.25	-	15.74	46.29
4	12.00	3.00	5.91	10.00	-	15.74	65.47
6	15.88	4.00	8.54	12.50	-	27.55	121.25
8	19.75	6.00	10.28	15.00	-	43.30	187.39
10	22.38	8.00	16.46	17.50	15.74	9.44	380.30
12	25.50	10.00	20.08	20.50	21.65	16.53	584.23

3-PIECE SPLIT BODY CONSTRUCTION



Features

- Face to Face Dimensions according to API 6D
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34

PARTS NAME	MATERIALS
BODY	ASTM A216 Gr WCB
SIDE CONNECTOR	ASTM A216 Gr WCB
BALL	ASTM A216 Gr WCB + ENP
STEM	ASTM A276 Gr 410 + ENP
SEAT RING	Reinforced PTFE
SEAT RETAINER	ASTM A216 Gr WCB + ENP
BEARING PLATE	ASTM A216 Gr WCB + ENP
SPRING	ASTM A564 Gr 630
GLAND FLANGE	ASTM A216 Gr WCB + ENP
COVER	ASTM A216 Gr WCB + ENP
O-RING	NBR
GASKET	SPIRAL WOUND GRAPHITE+SUS304
THRUST BEARING	Reinforced PTFE
WEAR RING(Gland flange)	Reinforced PTFE
WEAR RING(Cover)	Reinforced PTFE
WEAR RING(Bearing plate)	Reinforced PTFE
PACKING	FLEXIBLE GRAPHITE
BODY BOLT/NUT	ASTM A193 Gr B7/A194 Gr 2H
WRENCH BOLT	ASTM A193 Gr B7
BACK SEAT	Reinforced PTFE
SET PIN	ASTM A576 Gr 1045
LIFTING LUG	CS

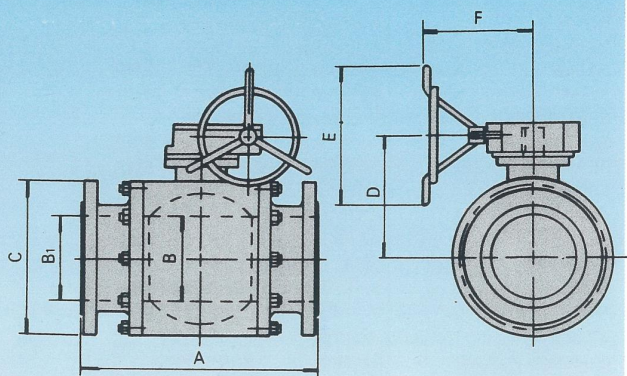
ANSI CLASS 150(PN 20)

Working Pressure 275psi(19.3kg/cm²)
Hydrostatic Shell Test 425psi(29.9kg/cm²)

SIZE	A			B	B1	C	D	E	F	WT (Flanged)
	RF	RTJ	WE							
8	457	470	521	203	203	419	330	400	240	360
10X8	533	546	559	203	254	510	330	400	240	380
10	533	546	559	254	254	510	410	550	420	480
12X10	610	622	635	254	305	560	410	550	420	540
14X10	686	698	762	254	337	605	410	550	420	620
12	610	622	635	305	305	560	450	550	420	710
16X12	762	775	838	305	387	685	450	550	420	840
14	686	698	762	337	337	605	468	550	420	890
18X14	864	876	914	337	438	745	468	550	420	950
16	762	775	838	387	387	685	540	550	420	1050
20X16	914	927	991	387	489	815	540	550	420	1300
18	864	927	914	438	438	745	580	900	600	1370
22X18	991	876	1092	438	540	870	580	900	600	1470
20	914	iD	991	489	489	815	620	900	600	2100
24X20	1067	927	1143	489	591	940	620	900	600	2250
22	991	1079	1092	540	540	870	660	900	600	2470
26X22	1143	iD	1245	540	635	1015	660	900	600	2740
24	1067	iD	1143	591	591	940	690	900	650	2800
30X24	1295	1079	1397	591	736	1130	690	900	650	2950
26	1143	iD	1245	635	635	1015	755	900	650	3540
28	1244	iD	1347	686	686	1075	820	900	700	4150
30	1295	iD	1397	736	736	1130	910	900	700	5100
36X30	1524	iD	1728	736	876	1315	910	900	700	5180
32	1371	iD	1524	781	781	1195	960	900	700	5450
34	1473	iD	1626	832	832	1245	1050	900	700	6900
36	1524	iD	1728	876	876	1315	1120	900	700	7550
40	1753	iD	1956	978	978	1320	1250	1200	700	10150
42	1855	iD	2083	1022	1022	1405	1330	1200	700	13550

NOTE:1)Dimensions are in mm.

2)Bore sizes(B1) according to API 6D,but in case of welding end shall meet specification of connection pipes.


Features

- Face to Face Dimensions according to API 6D
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34

PARTS NAME	MATERIALS
BODY	ASTM A216 Gr WCB
SIDE CONNECTOR	ASTM A216 Gr WCB
BALL	ASTM A216 Gr WCB + ENP
STEM	ASTM A276 Gr 410 + ENP
SEAT RING	Reinforced PTFE
SEAT RETAINER	ASTM A216 Gr WCB + ENP
BEARING PLATE	ASTM A216 Gr WCB + ENP
SPRING	ASTM A564 Gr 630
GLAND FLANGE	ASTM A216 Gr WCB + ENP
COVER	ASTM A216 Gr WCB + ENP
O-RING	NBR
GASKET	SPIRAL WOUND GRAPHITE+SS304
THRUST BEARING	Reinforced PTFE
WEAR RING(Gland flange)	Reinforced PTFE
WEAR RING(Cover)	Reinforced PTFE
WEAR RING(Bearing plate)	Reinforced PTFE
PACKING	FLEXIBLE GRAPHITE
BODY BOLT/NUT	ASTM A193 Gr B7/A194 Gr 2H
WRENCH BOLT	ASTM A193 Gr B7
BACK SEAT	Reinforced PTFE
SET PIN	ASTM A576 Gr 1045
LIFTING LUG	CS

ANSI CLASS 300(PN 50)

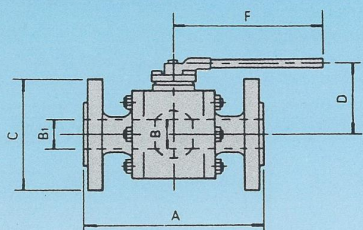
Working Pressure 720psi(50.6kg/cm²)
Hydrostatic Shell Test 1100psi(77.3kg/cm²)

SIZE	A			B	B1	C	D	E	F	WT (Flanged)
	RF	RTJ	WE							
8	502	517	521	203	203	381	330	400	240	390
10X8	568	584	559	203	254	445	330	400	240	420
10	568	584	559	254	254	445	410	550	420	530
12X10	648	664	635	254	305	520	410	550	420	570
14X10	762	778	762	254	337	585	410	550	420	630
12	648	664	635	305	305	520	450	550	420	750
16X12	838	854	838	305	387	650	450	550	420	860
14	762	778	762	337	337	585	468	550	420	910
18X14	914	930	914	337	438	710	468	550	420	1260
16	838	854	838	387	387	650	540	550	420	1330
20X16	991	1010	991	387	489	775	540	550	420	1600
18	914	930	914	438	438	710	580	900	600	1850
22X18	1092	1114	1092	438	540	840	580	900	600	1950
20	991	1010	991	489	489	775	620	900	600	2150
24X20	1143	1165	1143	489	591	915	620	900	600	2350
22	1092	1114	1092	540	540	840	660	900	600	2750
26X22	1245	1270	1245	540	635	970	660	900	600	2870
24	1143	1165	1143	591	591	915	690	900	650	3000
30X24	1397	1422	1397	591	736	1090	690	900	650	3550
26	1245	1270	1245	635	635	970	755	900	650	3950
28	1346	1372	1346	686	686	1035	820	900	700	4700
30	1397	1422	1397	736	736	1090	910	900	700	5900
36X30	1727	1756	1727	736	876	1270	910	900	700	6350
32	1524	1553	1524	781	781	1150	960	900	700	6550
34	1626	1654	1626	832	832	1205	1050	900	700	7250
36	1727	1756	1727	876	876	1270	1120	900	700	8700
40	1956	1984	1956	978	978	1240	1250	1200	700	11500
42	2083	2111	2083	1022	1022	1290	1330	1200	700	14500

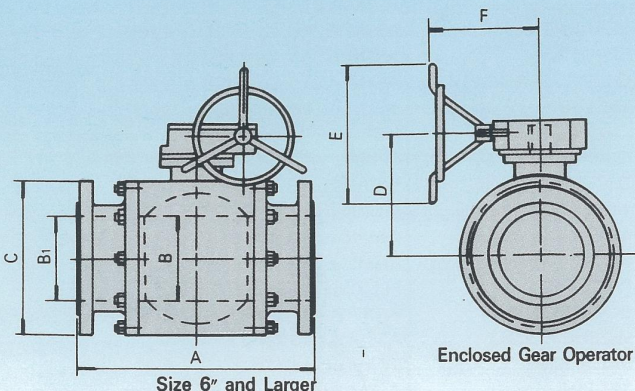
NOTE:1)Dimensions are in mm.

2)Bore sizes(B1) according to API6D,but in case of welding end shall meet specification of connection pipes.

3-PIECE SPLIT BODY CONSTRUCTION



Size 2" RB upto 6" RB



Size 6" and Larger

Enclosed Gear Operator



Features

- Face to Face Dimensions according to API 6D
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34
- Gear unit can be provided for 6" and larger

PARTS NAME	MATERIALS
BODY	ASTM A216 Gr WCB
SIDE CONNECTOR	ASTM A216 Gr WCB
BALL	ASTM A216 Gr WCB + ENP
STEM	ASTM A276 Gr 410 + ENP
SEAT RING	Reinforced PTFE
SEAT RETAINER	ASTM A216 Gr WCB + ENP
BEARING PLATE	ASTM A216 Gr WCB + ENP
SPRING	ASTM A564 Gr 630
GLAND FLANGE	ASTM A216 Gr WCB + ENP
COVER	ASTM A216 Gr WCB + ENP
O-RING	NBR
GASKET	SPIRAL WOUND GRAPHITE+SS304
THRUST BEARING	Reinforced PTFE
WEAR RING(Gland flange)	Reinforced PTFE
WEAR RING(Cover)	Reinforced PTFE
WEAR RING(Bearing plate)	Reinforced PTFE
PACKING	FLEXIBLE GRAPHITE
BODY BOLT/NUT	ASTM A193 Gr B7/A194 Gr 2H
WRENCH BOLT	ASTM A193 Gr B7
BACK SEAT	Reinforced PTFE
SET PIN	ASTM A576 Gr 1045
LIFTING LUG	CS

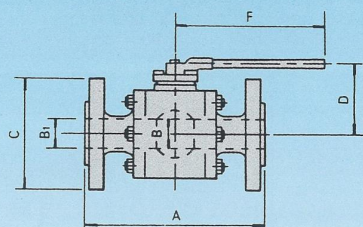
ANSI CLASS 600(PN 100)

Working Pressure 1440psi(101.2kg/cm²)
Hydrostatic Shell Test 2175psi(152.9kg/cm²)

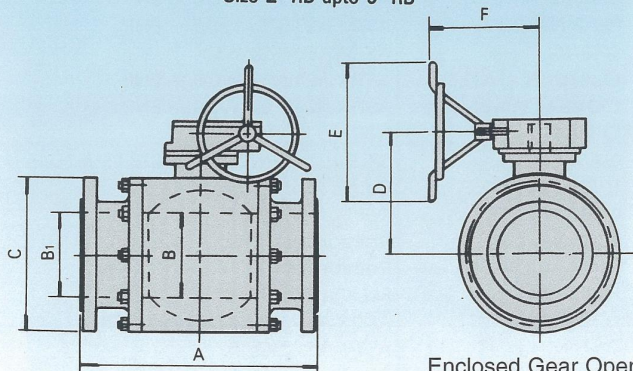
SIZE	A			B	B1	C	D	E	F	WT (Flanged)
	RF	RTJ	WE							
2X1½	292	295	292	38	51	165	130	-	450	40
2	292	295	292	51	51	165	153	-	600	55
3X2	356	359	356	51	77	210	153	-	600	67
3	356	359	356	77	77	210	200	-	1000	88
4X3	432	435	432	77	102	273	200	-	1000	120
4	432	435	432	102	102	273	220	-	1000	150
6X4	559	562	559	102	152	356	220	-	1000	170
6	559	562	559	152	152	356	320	400	240	310
8X6	660	664	660	152	203	419	320	400	240	420
8	660	664	660	203	203	419	370	400	240	490
10X8	787	791	787	203	254	510	370	400	240	610
10	787	791	787	254	254	510	410	550	240	850
12X10	838	841	838	254	305	560	410	550	420	930
14X10	889	892	889	254	337	605	410	550	420	980
12	838	841	838	305	305	560	410	550	420	1050
16X12	991	994	991	305	387	685	450	550	420	1280
14	889	892	889	337	337	605	450	550	420	1370
18X14	1092	1095	1092	337	438	745	470	550	420	1470
16	991	994	991	387	387	685	470	550	420	1550
20X16	1194	1200	1194	387	489	815	535	550	420	2050
18	1092	1095	1092	438	438	745	535	900	420	2170
22X18	1296	1305	1296	438	540	870	570	900	600	2650
20	1194	1200	1194	489	489	815	570	900	600	2740
24X20	1397	1406	1397	489	591	940	620	900	600	3220
22	1296	1305	1296	540	540	870	650	900	600	3350
26X22	1448	1460	1448	540	635	1015	650	900	600	3440
24	1397	1406	1397	591	591	940	685	900	600	3540
26	1448	1460	1448	591	736	1130	880	900	650	5320
32X26	1778	1794	1778	635	635	1015	880	900	650	6100
28	1549	1562	1549	686	686	1075	950	900	650	6200
30	1651	1664	1651	736	736	1130	1050	900	700	6950
36X30	2083	2098	2083	736	876	1315	1050	900	700	7550
32	1778	1794	1778	781	781	1195	1150	900	700	7940
34	1930	1946	1930	832	832	1245	1200	900	700	8550
36	2083	2098	2083	876	876	1315	1350	900	700	11200
40	2337	2337	2337	978	978	1320	1450	1200	700	14500
42	2437	2437	2437	1022	1022	1405	1480	1200	700	17250

NOTE:1)Dimensions are in mm.

2)Bore sizes(B1) according to API 6D,but in case of welding end shall meet specification of connection pipes.

3-PIECE SPLIT BODY CONSTRUCTION


Size 2" RB upto 6" RB



Size 4" and Larger

Enclosed Gear Operator


Features

- Face to Face Dimensions according to API 6D
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34
- Gear unit can be provided for 4" and larger

PARTS NAME	MATERIALS
BODY	ASTM A216 Gr WCB
SIDE CONNECTOR	ASTM A216 Gr WCB
BALL	ASTM A216 Gr WCB + ENP
STEM	ASTM A276 Gr 410 + ENP
SEAT RING	Reinforced PTFE
SEAT RETAINER	ASTM A216 Gr WCB + ENP
BEARING PLATE	ASTM A216 Gr WCB + ENP
SPRING	ASTM A564 Gr 630
GLAND FLANGE	ASTM A216 Gr WCB + ENP
COVER	ASTM A216 Gr WCB + ENP
O-RING	NBR
GASKET	SPIRAL WOUND GRAPHITE + SS304
THRUST BEARING	Reinforced PTFE
WEAR RING (Gland flange)	Reinforced PTFE
WEAR RING (Cover)	Reinforced PTFE
WEAR RING (Bearing plate)	Reinforced PTFE
PACKING	FLEXIBLE GRAPHITE
BODY BOLT/NUT	ASTM A193 Gr B7/A194 Gr 2H
WRENCH BOLT	ASTM A193 Gr B7
BACK SEAT	Reinforced PTFE
SET PIN	ASTM A576 Gr 1045
LIFTING LUG	CS

ANSI CLASS 900(PN 150)

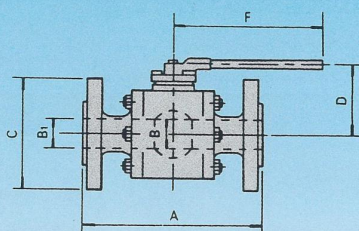
 Working Pressure 2160psi(151.8kg/cm²)
 Hydrostatic Shell Test 3250psi(228.5kg/cm²)

SIZE	A			B	B1	C	D	E	F	WT (Flanged)
	RF	RTJ	WE							
2X 1½	368	371	368	38	51	216	132	-	450	46
2	368	371	368	51	51	216	155	-	600	63
3X2	381	384	381	51	77	241	155	-	600	78
3	381	384	381	77	77	241	195	-	1000	102
4X3	457	460	457	77	102	292	195	-	1000	130
4	457	460	457	102	102	292	286	400	240	220
6X4	610	613	610	102	152	381	286	400	240	310
6	610	613	610	152	152	381	325	400	240	420
8X6	737	740	737	152	203	470	325	400	240	490
8	737	740	737	203	203	470	370	400	240	580
10X8	838	841	838	203	254	545	370	400	240	660
10	838	841	838	254	254	545	410	550	420	870
12X10	965	968	965	254	305	610	410	550	420	970
14X10	1029	1038	1029	254	324	640	410	550	420	1120
12	965	968	965	305	305	610	460	550	420	1250
16X12	1130	1140	1130	305	375	705	460	550	420	1430
14	1029	1038	1029	324	324	640	485	550	420	1560
18X14	1219	1232	1219	324	425	785	485	550	420	1900
16	1130	1140	1130	375	375	705	542	550	420	2150
20X16	1321	1333	1321	375	473	855	542	550	420	2740
18	1219	1232	1219	425	425	785	575	900	600	2950
20	1321	1333	1321	473	473	855	630	900	600	3370
24X20	1549	1568	1549	473	571	1040	630	900	600	4240
26X22	1651	1674	1651	524	619	1085	665	900	600	4770
24	1549	1568	1549	571	571	1040	692	900	650	5460
30X24	1880	1902	1880	571	714	1230	692	900	650	6750
26	1651	1674	1651	619	619	1085	894	900	650	7150
28	1753	1775	1753	667	667	1170	962	900	650	8900
30	1880	1902	1880	714	714	1230	1065	900	7000	10540
36X30	2286	2315	2286	714	857	1460	1065	900	700	11250
32	2032	2054	2032	762	762	1315	1160	900	700	11440
34	2159	2188	2159	810	810	1395	1200	900	700	12530
36	2286	2315	2286	857	857	1460	1250	900	700	14780
40	2616	2645	2616	954	954	1511	1390	1200	700	18520
42	2714	2743	2714	997	997	1562	1420	1200	700	24700

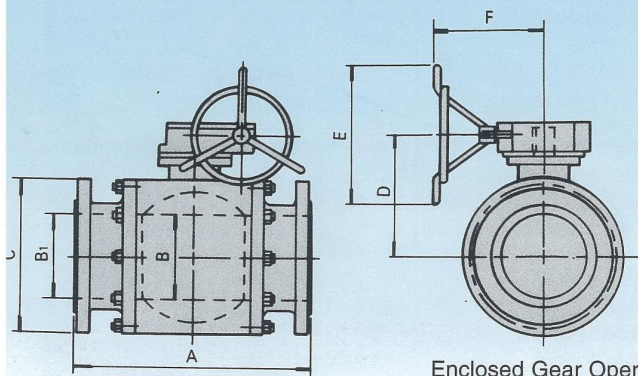
NOTE:1)Dimensions are in mm.

2)Bore sizes(B1) according to API 6D, but in case of welding end shall meet specification of connection pipes.

3-PIECE SPLIT BODY CONSTRUCTION



Size 2" RB upto 6" RB



Size 3" and Larger

Enclosed Gear Operator



Features

- Face to Face Dimensions according to API 6D
- Flange dimension; ANSI B16.5
- Wall thickness; ANSI B16.34
- Gear unit can be provided for 3" and larger

PARTS NAME	MATERIALS
BODY	ASTM A216 Gr WCB
SIDE CONNECTOR	ASTM A216 Gr WCB
BALL	ASTM A216 Gr WCB + ENP
STEM	ASTM A276 Gr 410 + ENP
SEAT RING	Reinforced PTFE
SEAT RETAINER	ASTM A216 Gr WCB + ENP
BEARING PLATE	ASTM A216 Gr WCB + ENP
SPRING	ASTM A564 Gr 630
GLAND FLANGE	ASTM A216 Gr WCB + ENP
COVER	ASTM A216 Gr WCB + ENP
O-RING	NBR
GASKET	SPLRAL WOUND GRAPHITE+SUS304
THRUST BEARING	Reinforced PTFE
WEAR RING(Gland flange)	Reinforced PTFE
WEAR RING(Cover)	Reinforced PTFE
WEAR RING(Bearing plate)	Reinforced PTFE
PACKING	FLEXIBLE GRAPHITE
BODY BOLT/NUT	ASTM A193 Gr B7/A194 Gr 2H
WRENCH BOLT	ASTM A193 Gr B7
BACK SEAT	Reinforced PTFE
SET PIN	ASTM A576 Gr 1045
LIFTING LUG	CS

ANSI CLASS 1500 (PN 250)

Working Pressure 3600psi(253.1kg/cm²)
Hydrostatic Shell Test 5400psi(379.6kg/cm²)

SIZE	A			B	B1	C	D	E	F	WT (Flanged)
	RF	RTJ	WE							
2X1½	368	371	368	38	51	138	216	-	450	46
2	368	371	368	51	51	160	216	-	600	65
3X2	470	473	470	51	77	160	267	-	600	82
3	470	473	470	77	77	202	267	400	240	110
4X3	546	549	546	77	102	202	311	400	240	150
4	546	549	546	102	102	294	311	400	240	250
6X4	705	711	705	102	146	294	394	400	240	340
6	705	711	705	146	146	300	394	400	240	585
8X6	832	841	832	146	194	300	483	400	240	710
8	832	841	832	194	194	385	483	400	240	770
10X8	991	1000	991	194	241	385	585	400	240	960
10	991	1000	991	241	241	418	585	550	420	1250
12X10	1130	1146	1130	241	289	418	675	550	420	1380
14X10	1257	1276	1257	241	317	418	750	550	420	1450
12	1130	1146	1130	289	289	473	675	550	420	1680
16X12	1384	1406	1384	289	362	473	825	550	420	2450
14	1257	1276	1257	317	317	494	750	900	420	2750
18X14	1537	1559	1537	317	407	494	916	900	420	3350
16	1384	1406	1384	362	362	555	825	900	650	4200
20X16	1664	1686	1664	362	457	555	985	900	650	4800
18	1537	1559	1537	407	407	582	916	900	650	5100
20	1664	1686	1664	457	457	643	985	900	650	6150
24X20	2043	2071	2043	457	534	643	1170	900	650	6800
24	2043	2071	2043	534	534	714	1170	900	650	10170

NOTE:1)Dimensions are in mm.

2)Bore sizes(B1) according to API 6D,but in case of welding end shall meet specification of connection pipes.

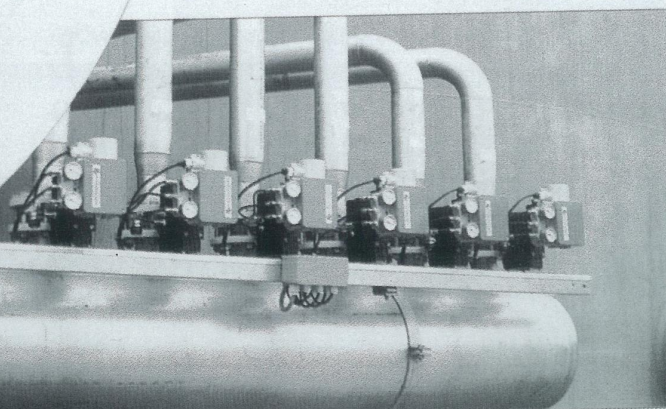
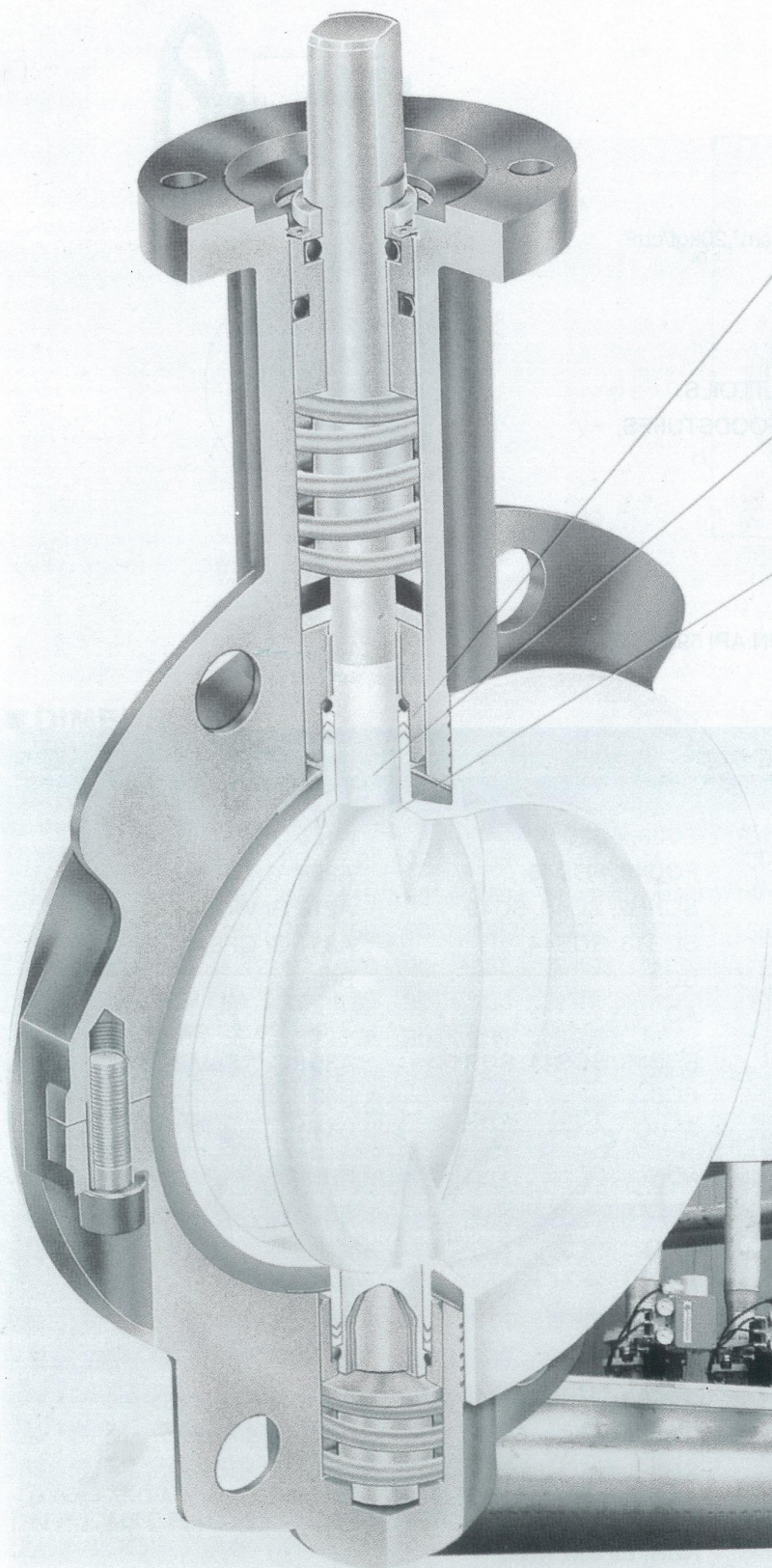
RTC Total Valves Co., Ltd. is designed in conjunction with leading chemical companies and as such special attention has been paid to take into account the regulations regarding environmental protection.

All materials used are selected for:
High thermal cycling
High chemical demands
High degree of seal integrity
High degree of wear resistance

Chevron Rings
The PTFE chevron rings are uniformly compressed by both the action of the Fluorelastomer compensation ring and the spring loading.

Secondary Seal
The PTFE covered shaft has a larger diameter than the bore in the seat as such acting as a seal.

Primary Seal
The accurately machined, rounded section of the disc fits exactly into the similarly machined seat.
The necessary seat and gland flexibility is achieved through a continuous spring load which is smoothly transferred through a silicon backing ring.



■ STANDARD SPECIFICATION

PRODUCTION RANGE

50mm to 2000mm

WORKING PRESSURE

16kgf/cm²(PN10, 150lb)

APPLICABLE FLANGE

CNS/KS/JIS 5kgf/cm², 10kgf/cm², 20kgf/cm²

ANSI 125lb, 150lb, 300lb

BS PN6, PN10, PN16 etc.

SERVICE FLUID

WATER(FRESH, DIRTY, SALT), OILS,

AIR, GASES, CHEMICALS, FOODSTUFFS,

POWDERS etc.

SERVICE TEMPERATURE

-30°C to 120°C

INSPECTION and TEST

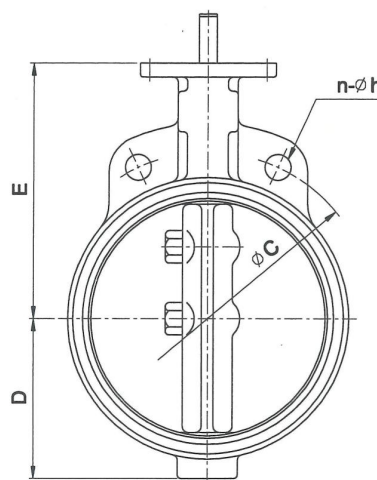
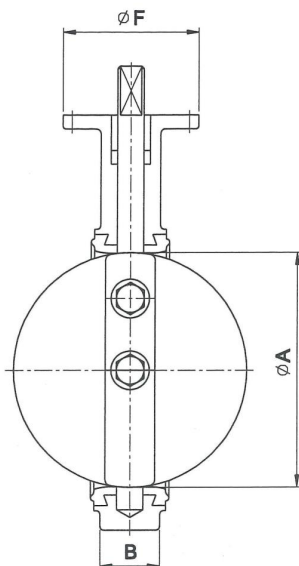
STANDARD SPECIFICATION: API 598

STANDARD MATERIAL



PARTS NAME	MATERIAL		
	DESCRIPTION	JIS	ASTM
BODY	CAST IRON	FC20, FC25	A126 CL. B
	DUCTILE IRON	FCD40, FCD45	A395
	CARBON STEEL	SCPH2, SC46, SC49	A216 Gr WCB
	STAINLESS STEEL	SCS13, SCS14	A351 Gr CF8, CF8M
	BRONZE CAST	BC6	B62
	ALUMINIUM CAST	AC	
DISC	STAINLESS STEEL	SCS13, SCS14, SCS1	A351 Gr CF8M, CA15
	BRONZE CAST	BC6	B62
	ALUMINIUM CAST	ALBC	B148
SEAT	NITRILE BUTADIENE	NBR	NBR
	ETHYLENE PROPYLENE	EPDM	EPDM
	SILICONE	MNQ	VMQ
	FLUOROCARBON, VITON	FPM	FKM
	CHLOROPRENE, NEOPRENE	CR	CR
	TEFLON	PTFE	PTFE
STEM	STAINLESS STEEL	SUS304, SUS316 SUS403	A276 Gr 304, 316 A276 Gr 403
DISC BOLT	STAINLESS STEEL	SUS304, SUS316	A276 Gr 304, 316
BUSH	RESIN	ACETAL	
O-RING	RUBBER TEFLON	NBR, EPDM, MVQ FPM, CR, PTFE	

CONSTRUCTION



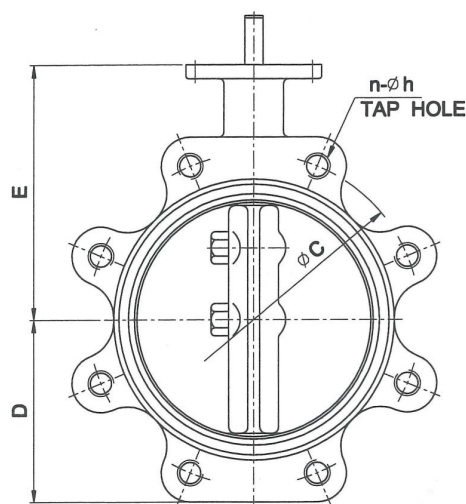
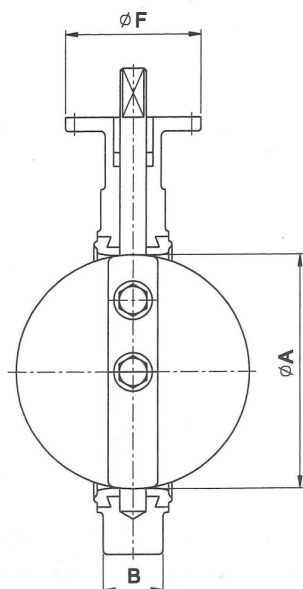
DIMENSION

SIZE		A	B	D	E	F	CNS • KS • JIS 5 ^K			CNS • KS • JIS 10 ^K			ANSI 125 LB, 150LB		
inch	mm						C	n-h	BOLT	C	n-h	BOLT	C	n-h	BOLT
2	50	50	43	60	130	90	105	4-15	M12	120	4-19	M16	120.5	4-19	5/8
2½	65	65	46	68	145	90	130	4-15	M12	140	4-19	M16	139.5	4-19	5/8
3	80	76	46	77	155	90	145	4-19	M12	150	8-19	M16	152.5	4-19	5/8
4	100	100	52	90	170	90	165	8-19	M16	175	8-19	M16	190.5	8-19	5/8
5	125	125	56	107	185	90	200	8-19	M16	210	8-23	M20	216.0	8-22	3/4
6	150	150	56	120	198	90	230	8-19	M16	240	8-23	M20	241.5	8-22	3/4
8	200	197	60	160	240	90	280	8-23	M20	290	12-23	M20	298.5	8-22	3/4
10	250	250	68	205	270	125	345	12-23	M20	355	12-25	M22	362.0	12-25	7/8
12	300	298	78	245	310	125	390	12-23	M20	400	16-25	M22	432.0	12-25	7/8
14	350	337	78	300	315	125	435	12-25	M22	445	16-25	M22	476.0	12-29	1
16	400	387	102	330	325	175	495	16-25	M22	510	16-27	M24	539.5	16-29	1
18	450	438	114	345	365	175	555	16-25	M22	565	20-27	M24	578.0	16-32	1½
20	500	489	127	300	400	210	605	20-25	M22	620	20-27	M24	635.0	20-32	1½
24	600	575	154	450	490	210	715	20-27	M24	730	24-33	M30	749.5	20-35	1¼
28	700	667	170	505	560	210	820	24-27	M24	840	24-33	M30	863.5	28-35	1¼
32	800	771	190	545	645	210	930	24-33	M30	950	28-33	M30	978.0	28-41	1½
36	900	870	200	635	705	210	1,030	24-33	M30	1,050	28-33	M30	1,086.0	32-41	1½
40	1,000	970	230	705	765	210	1,130	28-33	M30	1,160	28-39	M36	1,200.0	36-41	1½

• 800mm AND ABOVE ECCENTRIC DISC TYPE

• APPLICABLE FLANGE: BS 4504 • BS 4772 • DIN 2501 • ISO 2084 • etc.

CONSTRUCTION

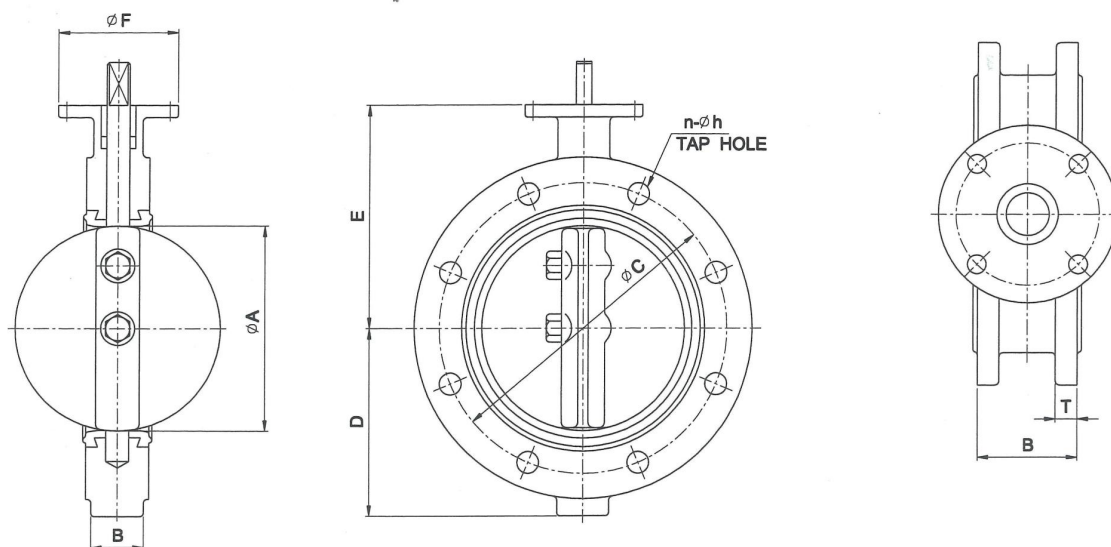


DIMENSION

SIZE		A	B	D	E	F	CNS · KS · JIS 5 ^K			CNS · KS · JIS 10 ^K			ANSI 125 LB, 150LB		
inch	mm						C	n-h	BOLT	C	n-h	BOLT	C	n-h	BOLT
2	50	50	43	78	130	90	105	4-15	M12	120	4-19	M16	120.5	4-19	5/8
2½	65	65	46	88	145	90	130	4-15	M12	140	4-19	M16	139.5	4-19	5/8
3	80	76	46	93	155	90	145	4-19	M12	150	8-19	M16	152.5	4-19	5/8
4	100	100	52	105	170	90	165	8-19	M16	175	8-19	M16	190.5	8-19	5/8
5	125	125	56	125	185	90	200	8-19	M16	210	8-23	M20	216.0	8-22	3/4
6	150	150	56	140	198	90	230	8-19	M16	240	8-23	M20	241.5	8-22	3/4
8	200	197	60	165	240	90	280	8-23	M20	290	12-23	M20	298.5	8-22	3/4
10	250	250	68	215	270	125	345	12-23	M20	355	12-25	M22	362.0	12-25	7/8
12	300	298	78	245	310	125	390	12-23	M20	400	16-25	M22	432.0	12-25	7/8
14	350	337	78	300	315	125	435	12-25	M22	445	16-25	M22	476.0	12-29	1
16	400	387	102	330	325	175	495	16-25	M22	510	16-27	M24	539.5	16-29	1
18	450	438	114	345	365	175	555	16-25	M22	565	20-27	M24	578.0	16-32	1½
20	500	489	127	300	400	210	605	20-25	M22	620	20-27	M24	635.0	20-32	1½
24	600	575	154	450	490	210	715	20-27	M24	730	24-33	M30	749.5	20-35	1¼
28	700	667	170	505	560	210	820	24-27	M24	840	24-33	M30	863.5	28-35	1¼
32	800	771	190	545	645	210	930	24-33	M30	950	28-33	M30	978.0	28-41	1½
36	900	870	200	635	705	210	1,030	24-33	M30	1,050	28-33	M30	1,086.0	32-41	1½
40	1,000	970	230	705	765	210	1,130	28-33	M30	1,160	28-39	M36	1,200.0	36-41	1½

• 800mm AND ABOVE ECCENTRIC DISC TYPE

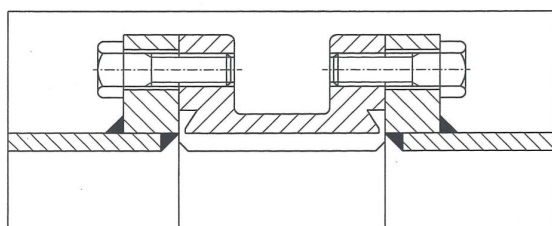
• APPLICABLE FLANGE : BS 4504 • BS 4772 • DIN 2501 • ISO 2084 • etc.

CONSTRUCTION

■ DIMENSION

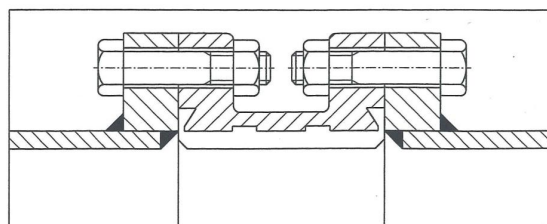
SIZE		A	B	D	E	F	CNS • KS • JIS 5 ^K			CNS • KS • JIS 10 ^K				ANSI 125 LB, 150LB			
inch	mm						C	n-h	BOLT	C	T	n-h	BOLT	C	T	n-h	BOLT
2	50	50	43	78	130	90	105	4-15	M12	120	20	4-19	M16	120.5	16.0	4-19	5/8
2½	65	65	46	88	145	90	130	4-15	M12	140	22	4-19	M16	139.5	17.5	4-19	5/8
3	80	76	46	93	155	90	145	4-19	M16	150	22	8-19	M16	152.5	19.0	4-19	5/8
4	100	100	52	105	170	90	165	8-19	M16	175	24	8-19	M16	190.5	24.0	4-19	5/8
5	125	125	56	125	185	90	200	8-19	M16	210	24	8-23	M20	216.0	24.0	8-22	3/4
6	150	150	56	140	198	90	230	8-19	M16	240	26	8-23	M20	241.5	25.5	8-22	3/4
8	200	197	60	165	240	90	280	8-23	M20	290	26	12-23	M20	298.5	28.5	8-22	3/4
10	250	250	68	215	270	125	345	12-23	M20	355	30	12-25	M22	362.0	30.0	12-25	7/8
12	300	298	78	245	310	125	390	12-23	M20	400	32	16-25	M22	432.0	32.0	12-25	7/8
14	350	337	78	300	315	125	435	12-25	M22	445	34	16-25	M22	476.0	35.0	12-29	1
16	400	387	102	330	325	175	495	16-25	M22	510	36	16-27	M24	539.5	36.0	16-29	1
18	450	438	114	345	365	175	555	16-25	M22	565	38	20-27	M24	578.0	40.0	16-32	1½
20	500	489	127	300	400	210	605	20-25	M22	620	40	20-27	M24	635.0	43.0	20-32	1½
24	600	575	154	450	490	210	715	20-27	M24	730	44	24-33	M30	749.5	48.0	20-35	1¼
28	700	667	170	505	560	210	820	24-27	M24	840	48	24-33	M30	863.5	52.0	28-35	1¼
32	800	771	190	545	645	210	930	24-33	M30	950	52	28-33	M30	978.0	54.0	28-41	1½
36	900	870	200	635	705	210	1,030	24-33	M30	1,050	54	28-33	M30	1,086.0	60.5	32-41	1½
40	1,000	970	230	705	765	210	1,130	28-33	M30	1,160	58	28-39	M36	1,200.0	65.0	36-41	1½

■ POINTS IN MOUNTING

● WHEN THE FLANGE PORTION OF THE VALVE IS TAP-HOLED FOR SIZES 50-400mm.

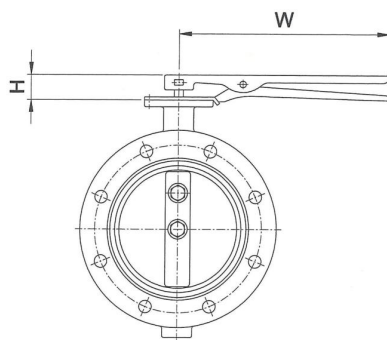
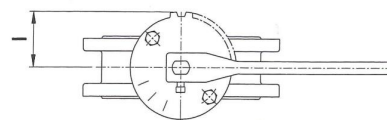


● WHEN THE FLANGE PORTION OF THE VALVE IS BOLT-HOLED FOR SIZES 450mm AND ABOVE.

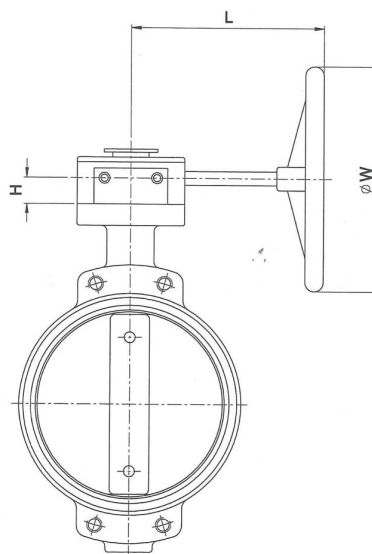
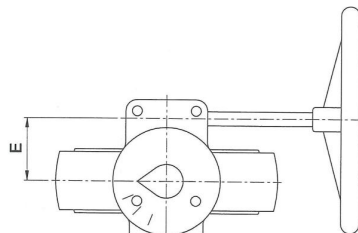


■ DIMENSION

SIZE		I	H	W	WT approx. (kg)
inch	mm				
2	50	60	33	265	5.5
2 1/2	65	60	33	265	6.0
3	80	60	33	265	6.5
4	100	60	33	265	7.5
5	125	60	33	265	11.5
6	150	60	33	265	13.0


LOCK LEVER
■ DIMENSION

SIZE		H	E	L	W	WT. approx. (kg)
inch	mm					
2	50	30	45	170	150	6.5
2 1/2	65	30	45	170	150	7.5
3	80	30	45	170	150	8.0
4	100	30	45	170	150	9.5
5	125	30	45	170	150	13.5
6	150	30	45	170	150	15.0
8	200	37	62	250	200	27.0
10	250	37	62	250	200	36.0
12	300	37	62	250	300	46.0
14	350	37	62	250	300	78.0
16	400	45	90	280	300	95.0
18	450	45	90	280	300	120.0
20	500	45	90	280	300	165.0
24	600	65	140	350	400	242.0
28	700	65	140	405	400	460.0
32	800	90	175	405	400	575.0
36	900	90	175	405	560	795.0
40	1,000	90	175	405	560	1,250.0


WORM GEAR

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Factory address : No.89, LN.339, Sec.1, Guangming Rd., Daliao Dist.,
Kaohsiung City 831, Taiwan(R.O.C.)
Taichung Office: No.109, Liulu 10th St., Shalu Dist., Taichung City 433, Taiwan (R.O.C.)
E-mail : atyco x02@ gmail.com
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Uniform numbr : QPC GB/T 19001-2016 idt ISO9001 : 2015 Certificate NO : 20217Q20178R0S

Änderungen vorbehalten · Subject to change · Toutes modifications réservées