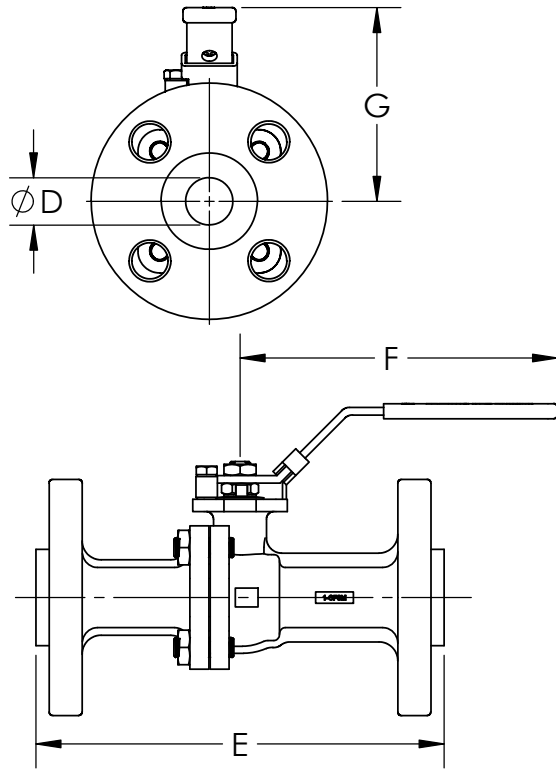
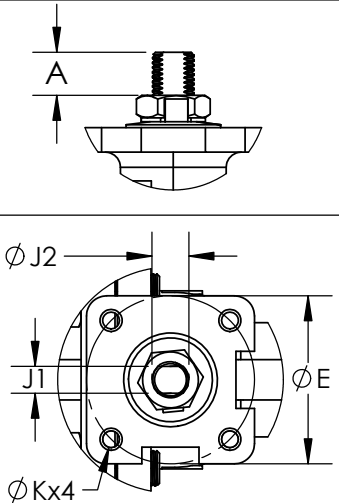


*AT FULL DIFFERENTIAL PRESSURE FOR CLEAN FLUIDS (CONSULT OUR ENGINEERING DEPARTMENT FOR TORQUES ON 6" AND 8" TRUNNION DESIGN VALVES)



TOPWORKS:



SIZE	A	øD	E	F	G	J1	ØJ2	øK	øL	ISO 5211	WEIGHT (lbs)	Cv	TORQUE* (in-lbf)
1/2"	0.33 (8.5)	0.59 (15)	6.50 (165)	5.20 (132)	3.15 (80)	0.25 (6.4)	0.38 (9.6)	M5x0.8	1.65 (42)	F04	5.29	38	57
3/4"	0.33 (8.5)	0.79 (20)	7.48 (190)	5.20 (132)	3.33 (84.5)	0.25 (6.4)	0.38 (9.6)	M5x0.8	1.65 (42)	F04	7.50	69	88
1"	0.47 (12)	0.98 (25)	8.50 (216)	6.54 (166)	4.02 (102)	0.32 (8)	0.44 (11.2)	M6x1.0	1.97 (50)	F05	11.46	113	99
1-1/2"	0.47 (12)	1.50 (38)	9.49 (241)	7.80 (198)	4.92 (125)	0.37 (9.5)	0.63 (16)	M8x1.25	2.76 (70)	F07	22.70	273	203
2"	0.47 (12)	1.97 (50)	11.50 (292)	7.80 (198)	5.20 (132)	0.37 (9.5)	0.63 (16)	M8x1.25	2.76 (70)	F07	31.09	485	265

APPLICABLE STANDARDS:

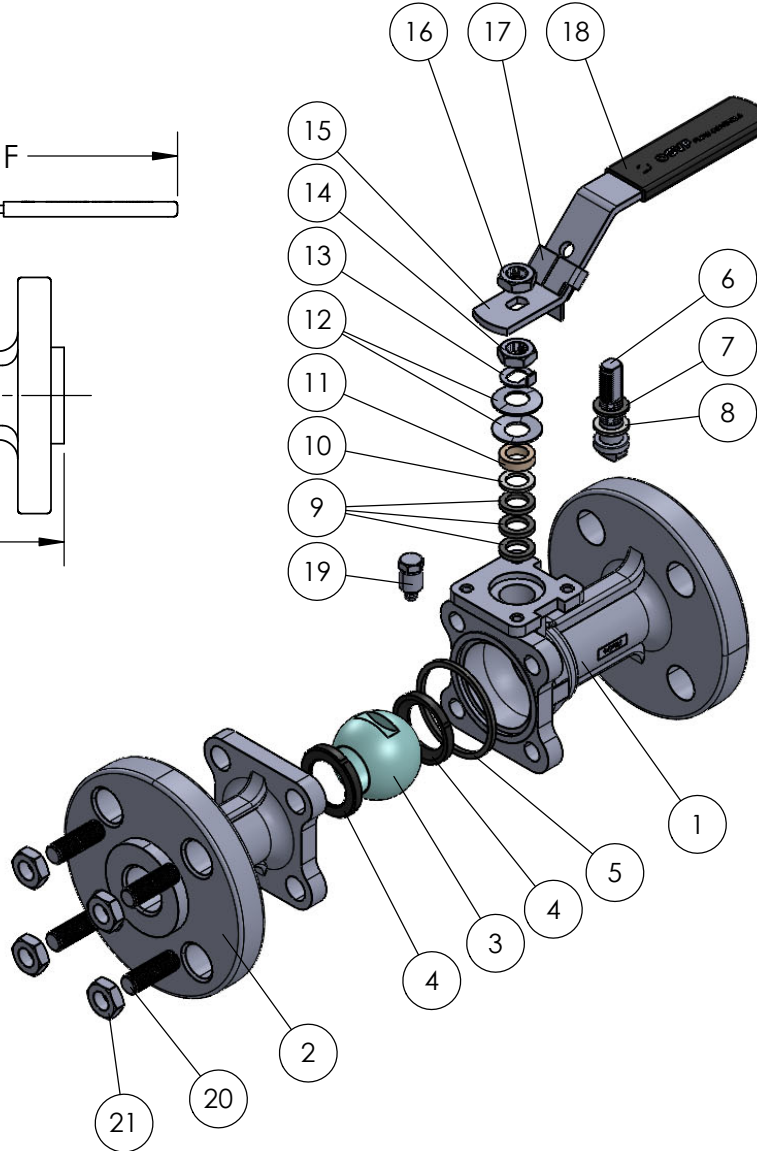
1. NACE MR0175
2. ASME B16.34: DESIGN AND WALL THICKNESS
3. ASME B16.10: FACE TO FACE
4. ASME B16.5: END FLANGE
5. API 598: INSPECTION AND TESTING
6. API 607: FIRE SAFE (WITH GRAFOIL BODY SEALS ONLY)
7. ISO 5211: MOUNTING
8. USP CLASS VI: CONFIRMATION OF COMPLIANCE

PRODUCT INFORMATION:

1. LIVE-LOADED STEM PACKING
2. STANDARD LOCKING HANDLE
3. ANTI-STATIC DEVICE
4. BALL IS VENTED ON THE STEM SLOT AREA
5. SIZES 6" AND 8" ARE ALSO AVAILABLE IN TRUNNION DESIGN (SERIES B42T)
6. COMPLETE VALVE AUTOMATION
7. ALL STAINLESS STEEL PASSIVATED
8. FUGITIVE EMISSIONS: API 641

OPTIONS:

1. ISO STEM EXTENSION
2. STEAM JACKET



ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A351-CF8M A216-WCB	1
2	END	A351-CF8M A216-WCB	1
3	BALL	A351-CF8M	1
4	SEAT	SUPRALON	2
5	BODY SEAL	GRAFOIL	1
6	STEM	A276-316	1
7	STEM THRUST WASHER	GRAFOIL	1
8	STEM THRUST WASHER	RTFE	1
9	STEM PACKING	GRAFOIL	3
10	STEM PACKING	RTFE	1
11	GLAND FOLLOWER	304 SS	1
12	BELLEVILLE WASHER	301 SS	2
13	TAB LOCK	304 SS	1
14	JAM NUT	304 SS	1
15	HANDLE	304 SS	1
16	HANDLE NUT	304 SS	1
17	LOCKING DEVICE	304 SS	1
18	HANDLE SLEEVE	PLASTIC	1
19	STOP PIN	304 SS	1
20	BODY BOLT	A193-B8M	4
21	BODY NUT	A194-8M	4

DRAWN BY
K.C.
DATE
06/03/2025
CHECKED BY
K.C.
DATE
06/03/2025
APPROVED BY
J.S.
DATE
06/03/2025

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THIRD ANGLE:

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DESCRIPTION:

1/2" - 2" B43D FLANGED BALL VALVE, ANSI CLASS 600,
FULL PORT

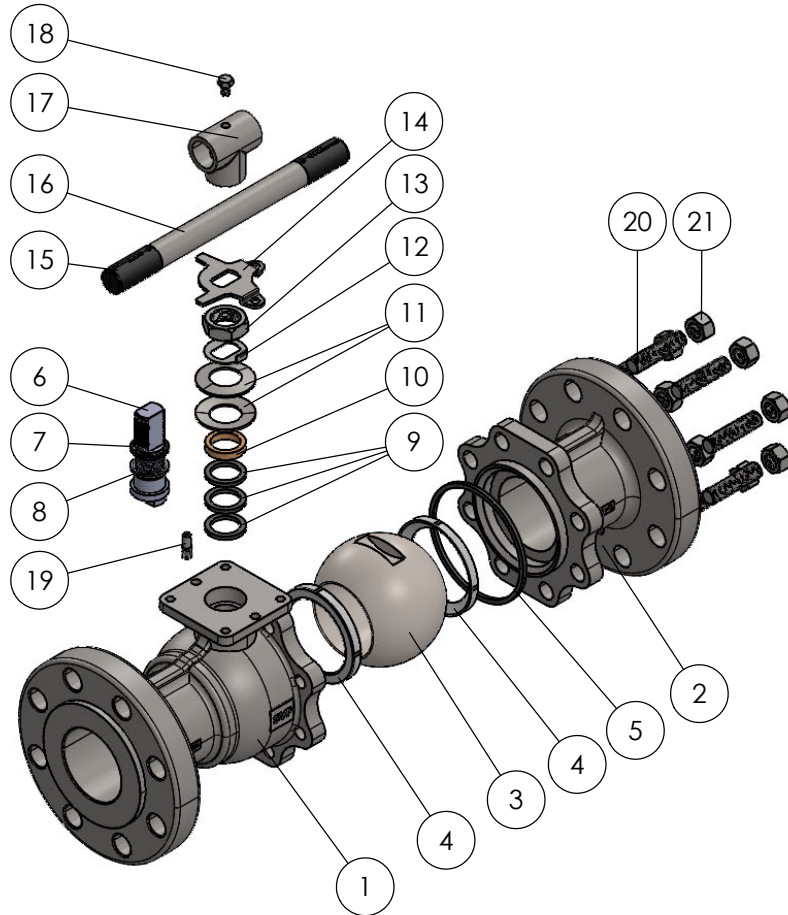
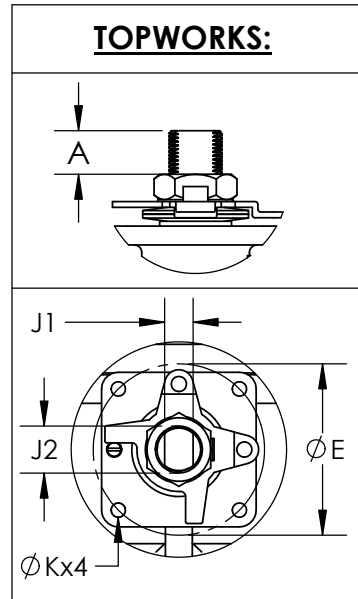
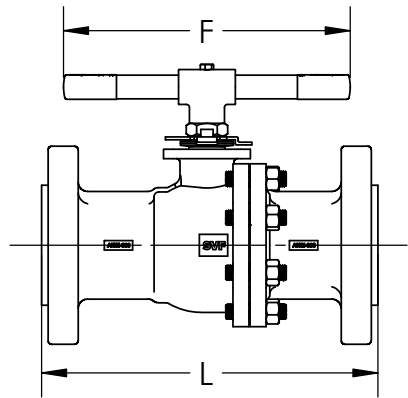
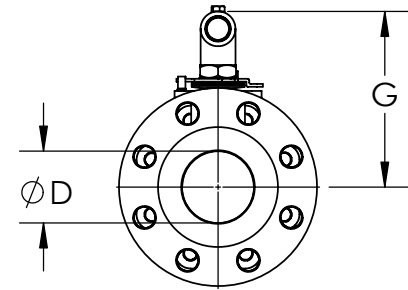
UNITS: INCH (MILLIMETERS)

DATE: 06/03/2025

REV: A

*AT FULL DIFFERENTIAL PRESSURE FOR CLEAN FLUIDS (CONSULT OUR ENGINEERING DEPARTMENT FOR TORQUES ON 6" AND 8" TRUNNION DESIGN VALVES)

SIZE	A	øD	L	F	G	J1	Ø J2	øK	øE	ISO 5211	WEIGHT (lbs)	Cv	TORQUE* (in-lbf)
3"	0.90 (23)	3.00 (76)	14.02 (356)	11.81 (300)	7.40 (188)	0.67 (17)	1.10 (28)	M10x1.50	4.02 (102)	F10	64.37	1185	584
4"	0.90 (23)	3.94 (100)	17.01 (432)	17.72 (450)	7.95 (202)	0.67 (17)	1.10 (28)	M10x1.50	4.02 (102)	F10	114.6	2115	1062



APPLICABLE STANDARDS:

1. NACE MR0175
2. ASME B16.34: DESIGN AND WALL THICKNESS
3. ASME B16.10: FACE TO FACE
4. ASME B16.5: END FLANGE
5. API 598: INSPECTION AND TESTING
6. API 607: FIRE SAFE (WITH GRAFOIL BODY SEALS ONLY)
7. ISO 5211: MOUNTING
8. USP CLASS VI: CONFIRMATION OF COMPLIANCE

PRODUCT INFORMATION:

1. LIVE-LOADED STEM PACKING
2. STANDARD LOCKING HANDLE
3. ANTI-STATIC DEVICE
4. BALL IS VENTED ON THE STEM SLOT AREA
5. SIZES 6" AND 8" ARE ALSO AVAILABLE IN TRUNNION DESIGN (SERIES B42T)
6. COMPLETE VALVE AUTOMATION
7. ALL STAINLESS STEEL PASSIVATED
8. FUGITIVE EMISSIONS: API 641

OPTIONS:

1. ISO STEM EXTENSION
2. STEAM JACKET

ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A351-CF8M A216-WCB	1
2	END	A351-CF8M A216-WCB	1
3	BALL	A351-CF8M	1
4	SEAT	SUPRALON	2
5	BODY SEAL	GRAFOIL	1
6	STEM	A276-316	1
7	STEM THRUST WASHER	GRAFOIL	1
8	STEM THRUST WASHER	RTFE	1
9	STEM PACKING	GRAFOIL	3
10	GLAND FOLLOWER	304 SS	1
11	BELLEVILLE WASHER	301 SS	2
12	TAB LOCK	304 SS	1
13	JAM NUT	304 SS	1
14	STOP PLATE	304 SS	1
15	HANDLE SLEEVE	PLASTIC	1
16	PIPE HANDLE	304 SS	1
17	PIPE HANDLE ADAPTER	A351-CF8	1
18	ADAPTER SET SCREW	304 SS	1
19	STOP PIN	304 SS	1
20	BODY BOLT	A193-B8M	8
21	BODY NUT	A194-8M	8

DRAWN BY K.C.	DATE 06/03/2025
CHECKED BY K.C.	DATE 06/03/2025
APPROVED BY J.S.	DATE 06/03/2025

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DESCRIPTION:
3" - 4" B43D FLANGED BALL VALVE, ANSI CLASS 600, FULL PORT

UNITS: INCH (MILLIMETERS) DATE: 06/03/2025 REV: A

*CONSULT OUR ENGINEERING DEPARTMENT FOR TORQUES AND MORE INFORMATION ON 6" AND 8" TRUNNION DESIGN VALVES

SIZE	øD	L	øG	øJ	øI	T	F	M	øN
6"	5.91 (150)	22.01 (559)	13.97 (355)	11.50 (292)	8.50 (216)	1.88 (48)	0.28 (7)	12	1.14 (29)
8"	7.91 (201)	25.98 (660)	16.53 (420)	13.75 (349)	10.63 (270)	2.19 (56)	0.28 (7)	12	1.26 (32)

APPLICABLE STANDARDS:

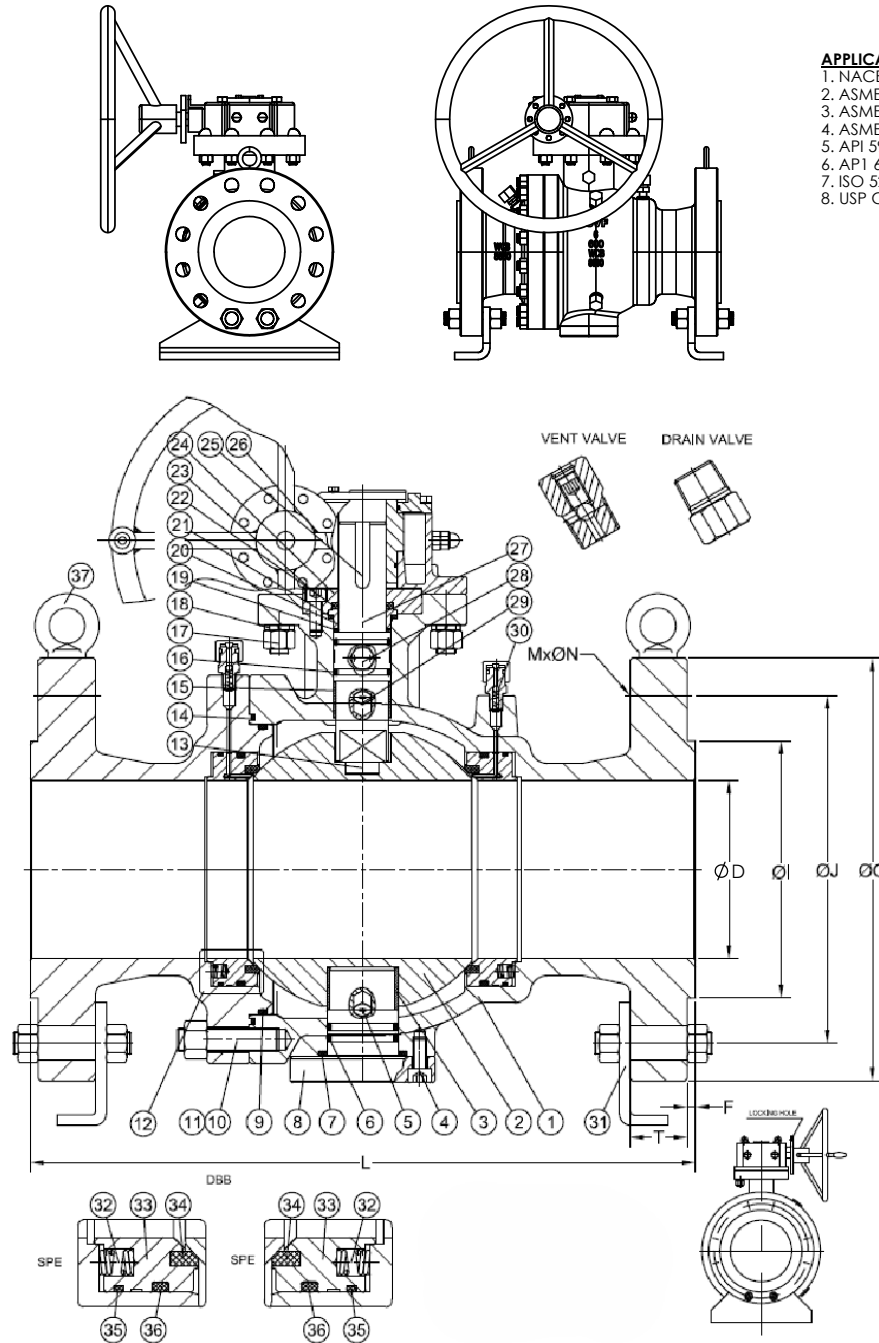
1. NACE MR0175
2. ASME B16.34: DESIGN AND WALL THICKNESS
3. ASME B16.10: FACE TO FACE
4. ASME B16.5: END FLANGE
5. API 598: INSPECTION AND TESTING
6. AP1 607: FIRE SAFE (WITH GRAFOIL BODY SEALS ONLY)
7. ISO 5211: MOUNTING
8. USP CLASS VI: CONFIRMATION OF COMPLIANCE

PRODUCT INFORMATION:

1. LIVE-LOADED STEM PACKING
2. STANDARD LOCKING HANDLE
3. ANTI-STATIC DEVICE
4. BALL IS VENTED ON THE STEM SLOT AREA
5. SIZES 6" AND 8" ARE ALSO AVAILABLE IN TRUNNION DESIGN (SERIES B42T)
6. COMPLETE VALVE AUTOMATION
7. ALL STAINLESS STEEL PASSIVATED
8. FUGITIVE EMISSIONS: API 641

OPTIONS:

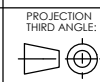
1. ISO STEM EXTENSION
2. STEAM JACKET



ITEM NO.	DESCRIPTION	MATERIALS	QTY.
1	BODY	A351-CF8M A216-WCB	1
2	BALL	A182 F316 A216-WCB	1
3	SLIDING BEARING	316SS+PTFE	1
4	SCREW	A193 B8M CL2	1
5	DRAIN VALVE	316SS	1
6	O-RING	VITON	1
7	GASKET	GRAFOIL	1
8	TRUNNION	A182-316	1
9	O-RING	VITON	1
10	NUT	A194-8M	1
11	STUD	A193-8M	1
12	END	A351-CF8M A216-WCB	1
13	ANTI-STATIC SPRING	316SS	1
14	GASKET	GRAFOIL	1
15	SLIDING BEARING	316SS+PTFE	1
16	O-RING	VITON	1
17	NUT/STUD	A194-8M	1
18	SPRING PAD	304SS	1
19	THRUST WASHER	PTFE	1
20	COVER	A182-316	1
21	GASKET	GRAFOIL	1
22	PACKING	BRAIDED GRAPHITE	1
23	SCREW	ASTM A93 B8M CL2	1
24	PACKING GLAND	ASTM A182-F316	1
25	KEY	ASTM 1045	1
26	GEARBOX	COMBINATION	1
27	STEM	ASTM A182 F316	1
28	STEM GREASE VALVE	316SS	1
29	VENT VALVE	316SS	1
30	SEAT GREASE VALVE	316SS	1
31	FRAME	ASTM 1025	1
32	SPRING	INCONEL X750	1
33	SEAT RING	ASTM A182 F316	1
34	SEAT	TFM4215	1
35	O-RING	VITON	1
36	O-RING	VITON	1
37	HANGING BOARD	A3	1

DRAWN BY
K.C.
DATE
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DESCRIPTION:
6" - 8" B43D FLANGED BALL VALVE, ANSI CLASS 600,
FULL PORT

UNITS: INCH (MILLIMETERS) DATE: 06/03/2025 REV: A

****6"- 8" B43D VALVES ARE TRUNNION
MOUNTED AND INCLUDE A GEAR OPERATOR**