NG7 – Ball Valve Series 59- High Purity/ CFOS Specs (Clean for Oxygen Service)



All sizing and wall thickness to coincide with ASTM tube, 1/4" thru 6". Flanged connections meet ASTM 1/4" thru 6". Tolerances are to be in accordance with ASTM: A269 & A632.

Constructed with heat traceable tube flanges and are to be Helium leak tested with an I.D polished to 25RA.

Pressure rating: Vacuum to 1000psig (69 Bar).

Temperature rating: -20°F to 350°F at 100psig

Flow Specifications (Cv) for CFOS by valve size

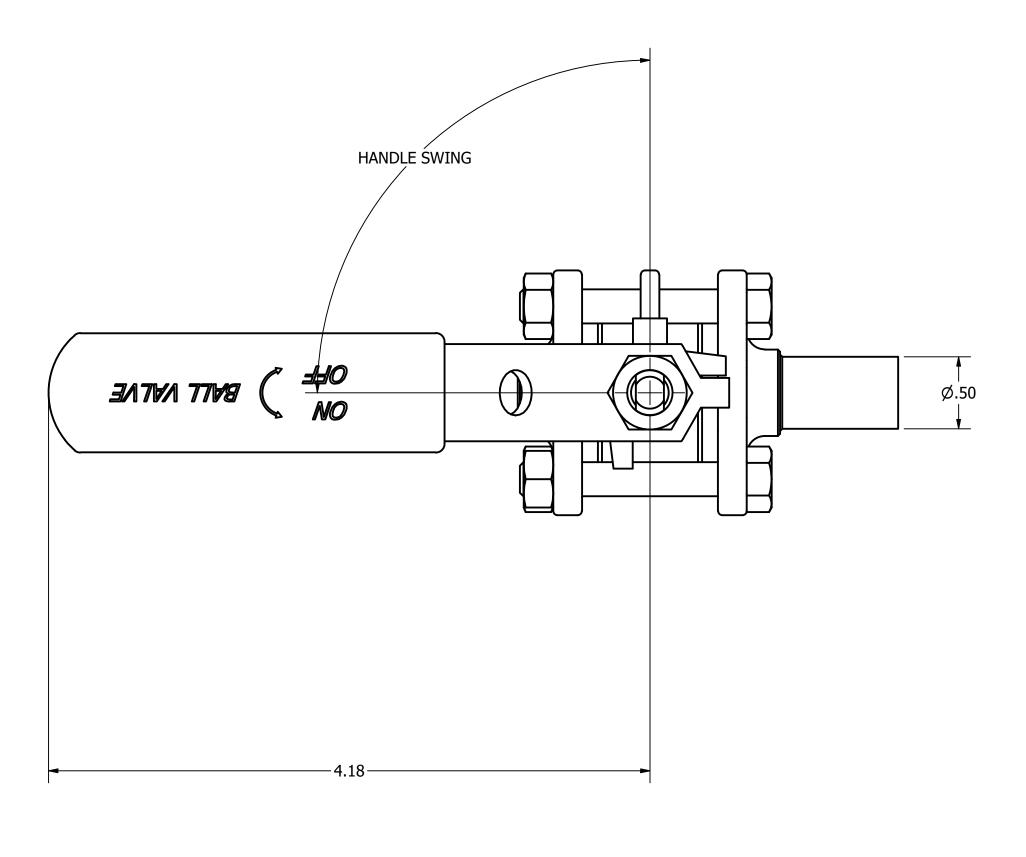
Size	Cv							
1/4"	1.1							
3/8"	2.8							
1/2"	19							
3/4"	35							
1"	50							
1-1/2"	200							
2"	350							
3"	1100							
4"	2100							

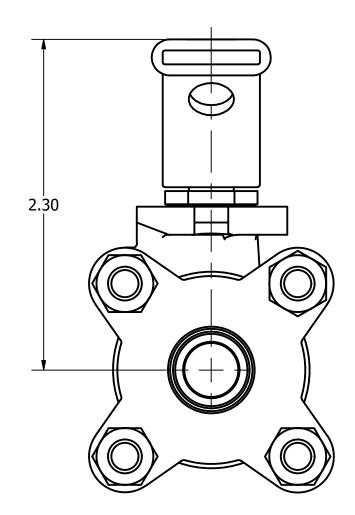
Material:

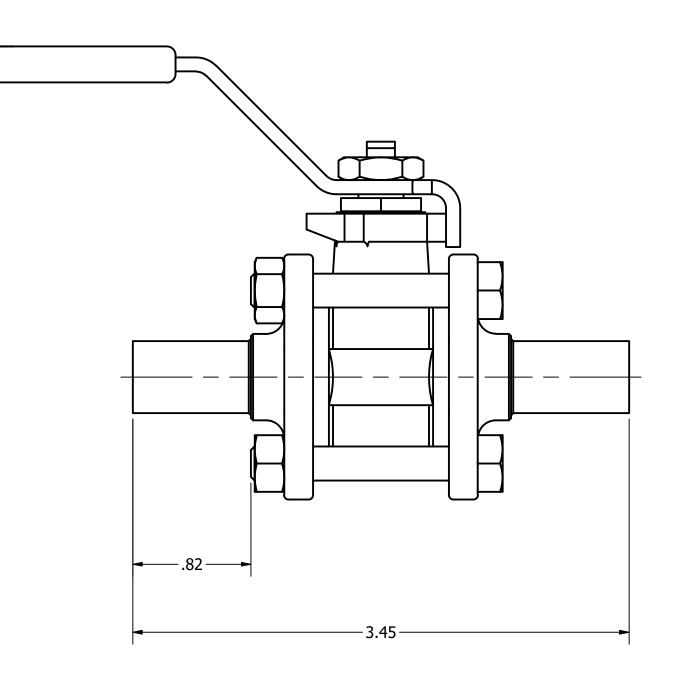
Stainless Steel 316L.

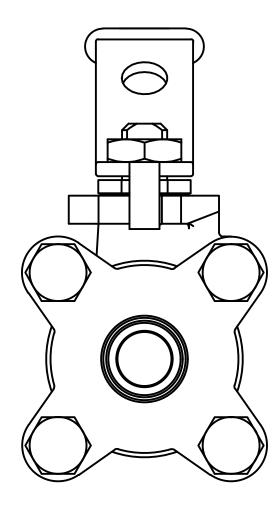
Seats/ seals: Hard Viton, PTFE/ Teflon, Buna, Buna(N), EPDM.

Valve centerbody/ housing CF8M/ CF8, ball included.

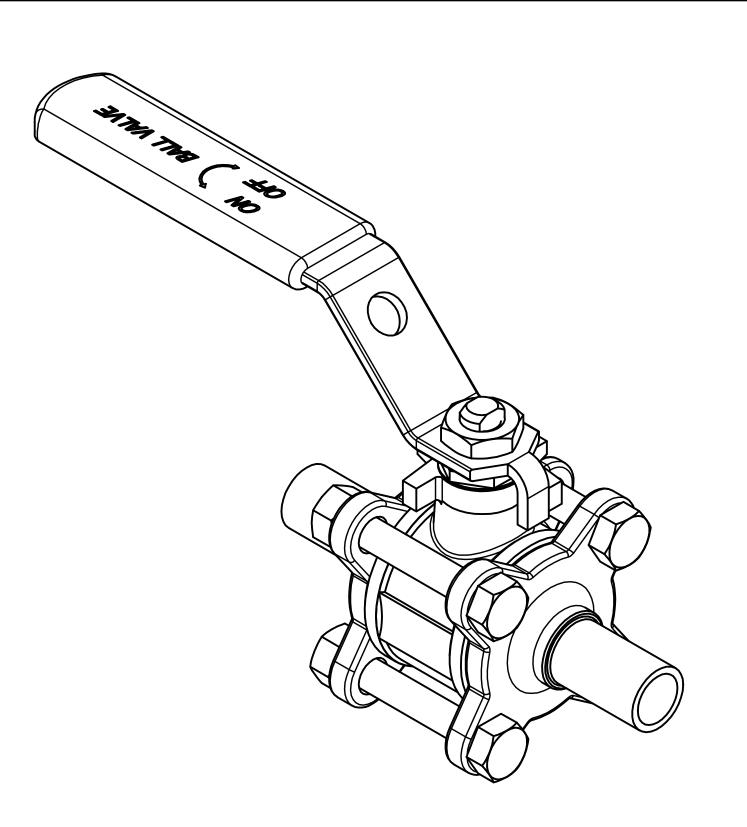




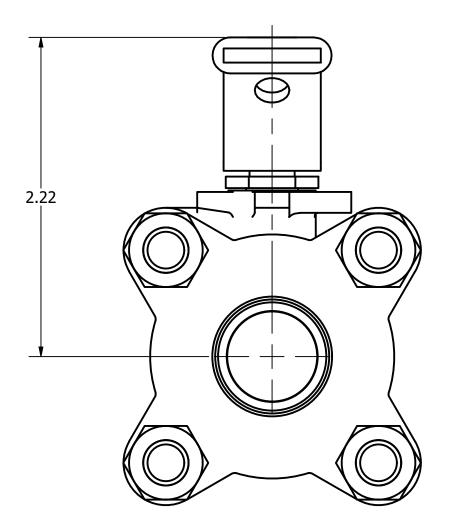


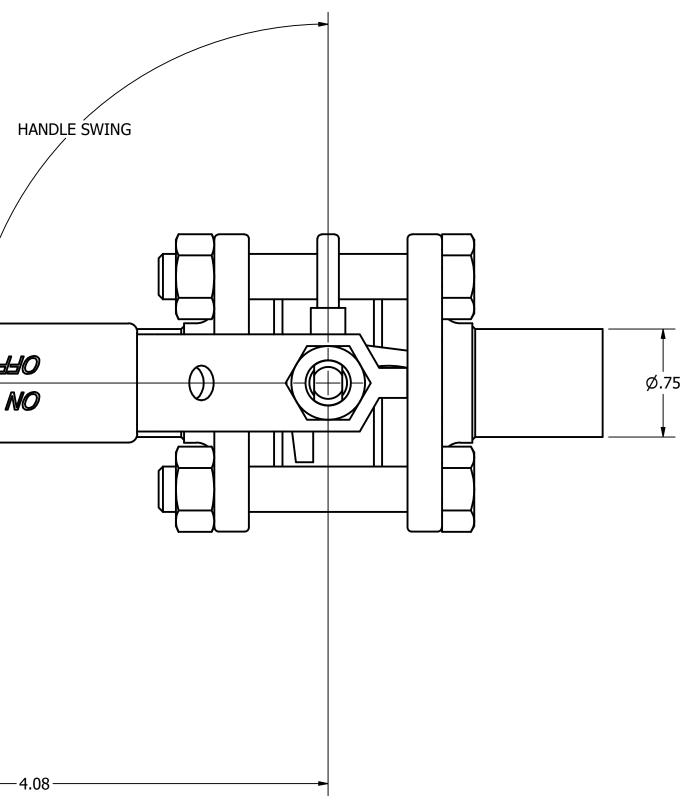


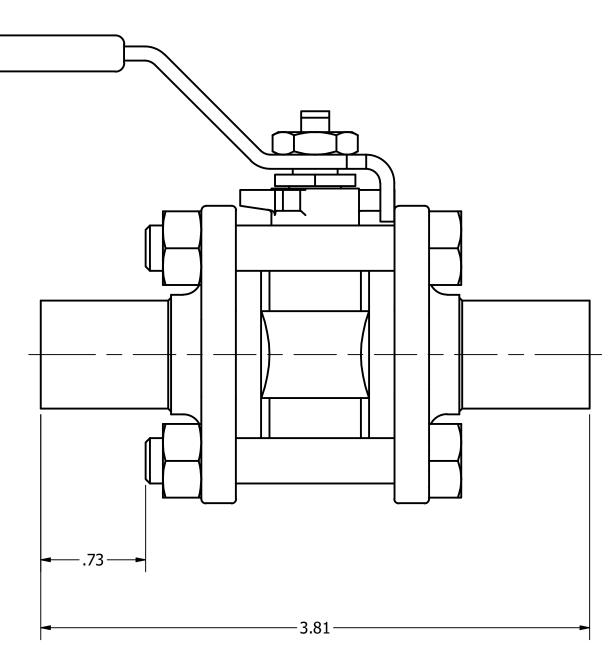
		DATE 10/26/2024	NG7		DESCRIPTION 1/2" CFOS SS 316 BALL VALVE			
3 PLACES ± .01		DRAWN BY			PART NUMBER			
2 PLACES	± .03	N.SEVERN			BV-59-08-XX			
1 PLACE ± .05		CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PRO		SHEET SIZE	UNITS SHE	ET# REV
ANGULA	$AR \pm 1^{\circ}$			AND SHOULD NOT BE USED WITHOUT WRITTEN	PERMISSION.	D	IN 1	

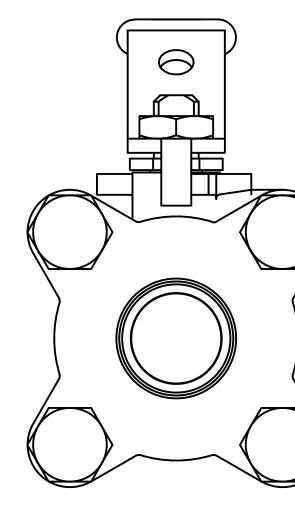


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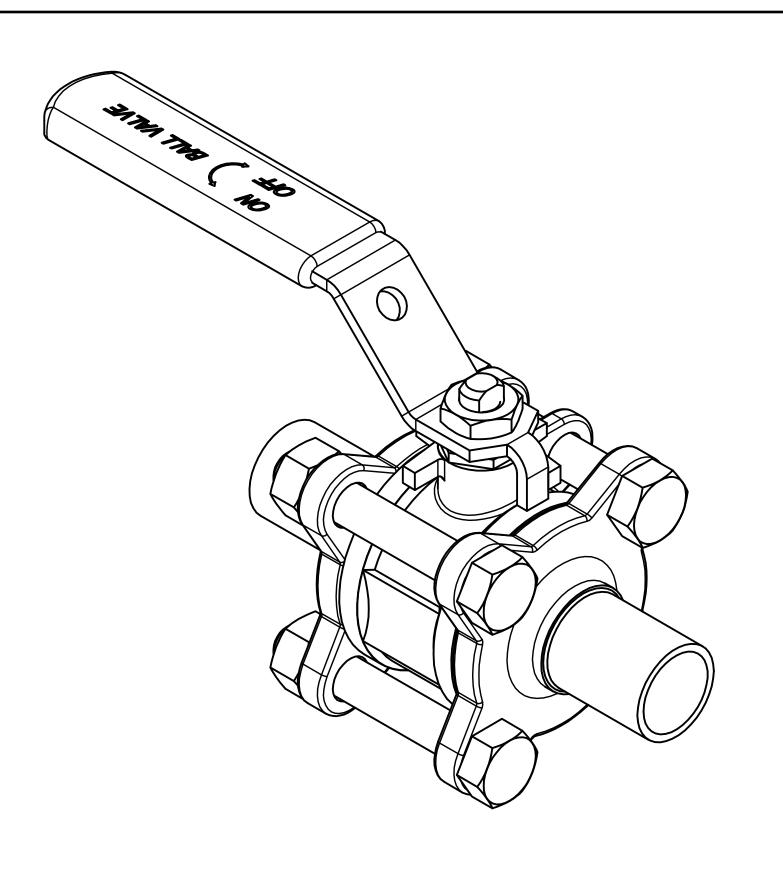




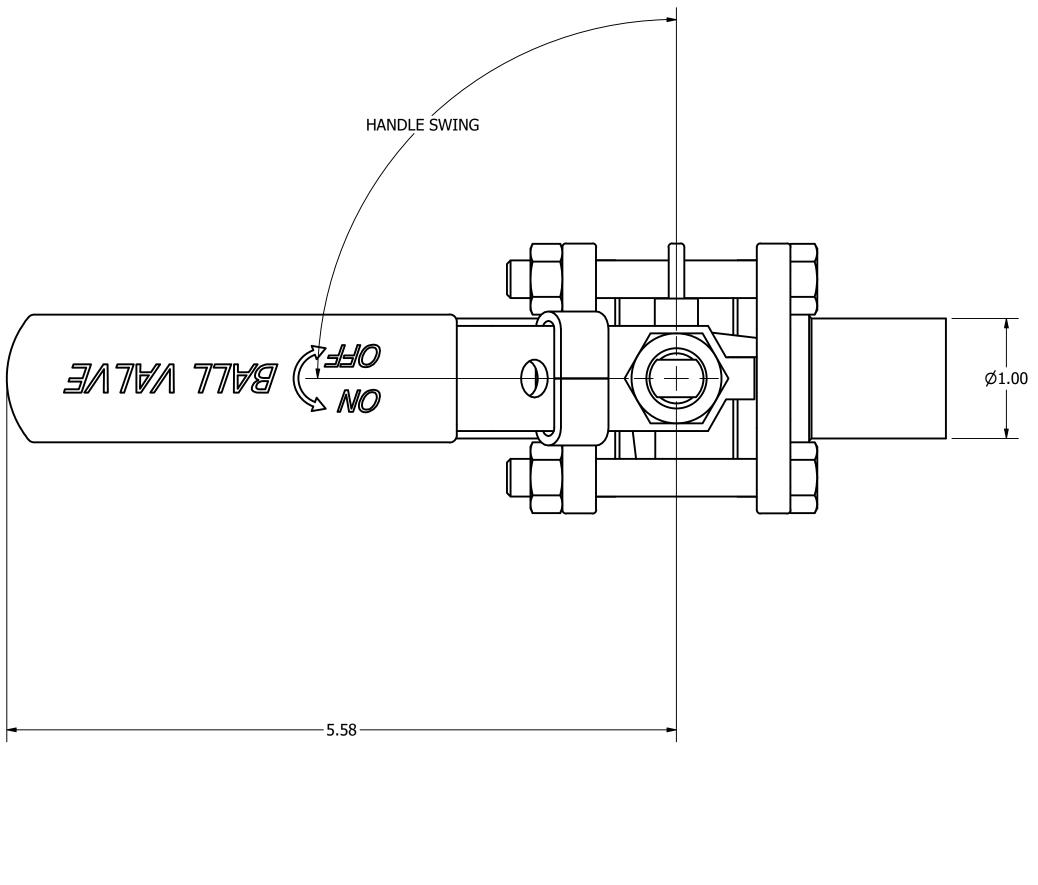


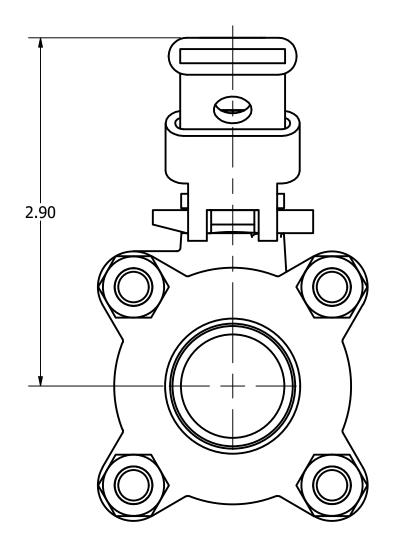


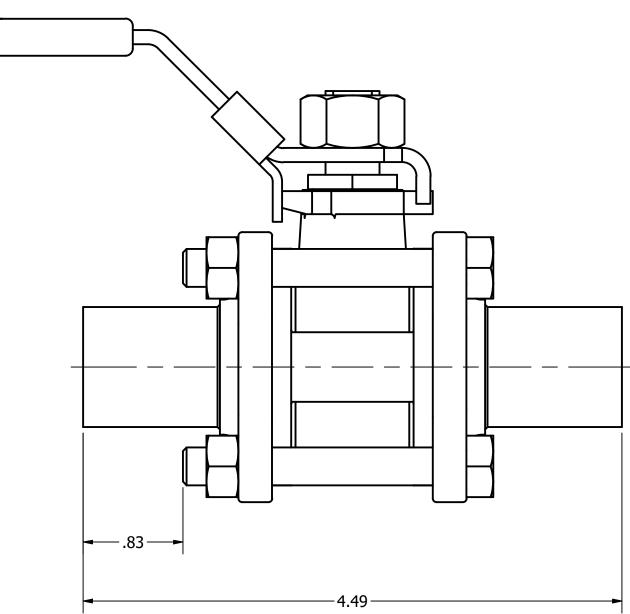
	FOLERANCES RWISE STATED)	DATE 10/26/2024	N G7
3 PLACES	± .01	DRAWN BY	
2 PLACES	± .03	N.SEVERN	
1 PLACE	± .05	CHECKED BY	
ANGUL	$AR \pm 1^{\circ}$		

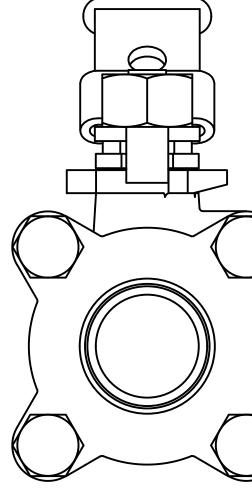


NG7	DESCRIPTION 3/4" CFOS SS 316 BALL VALVE									
WWW.NG7DESIGN.COM	PART NUMBER BV-59-12-XX									
THIS DRAWING CONTAINS INFORMATION THAT IS PRO AND SHOULD NOT BE USED WITHOUT WRITTEN	SHEET SIZE D	UNITS IN	SHEET# 1	REV						

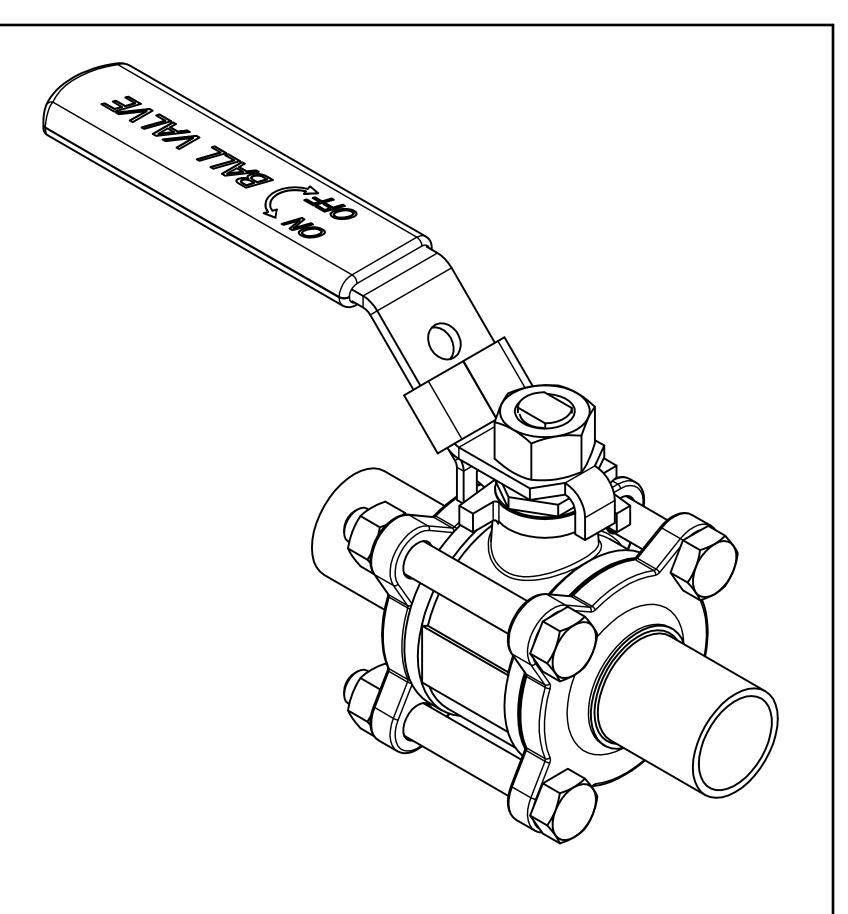




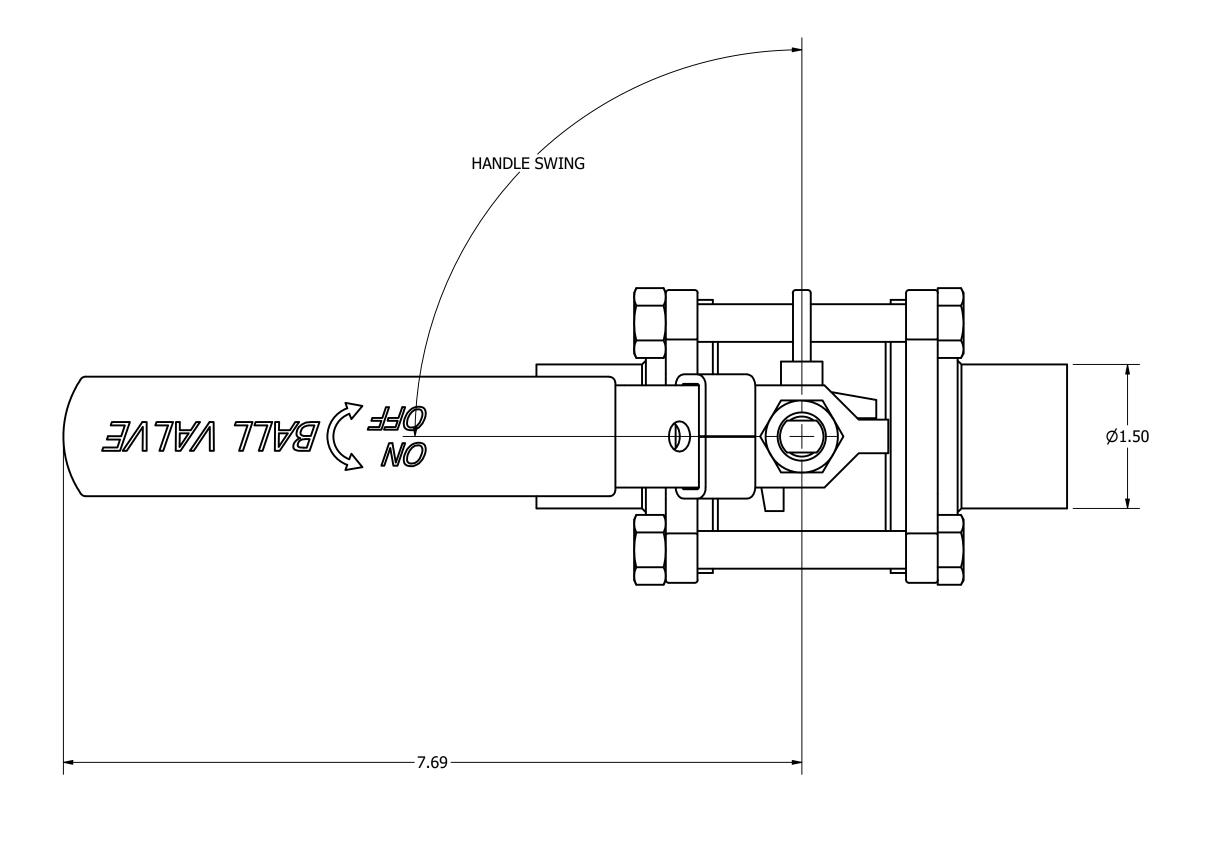


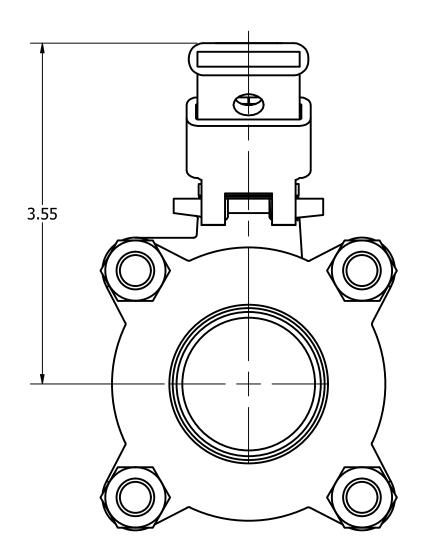


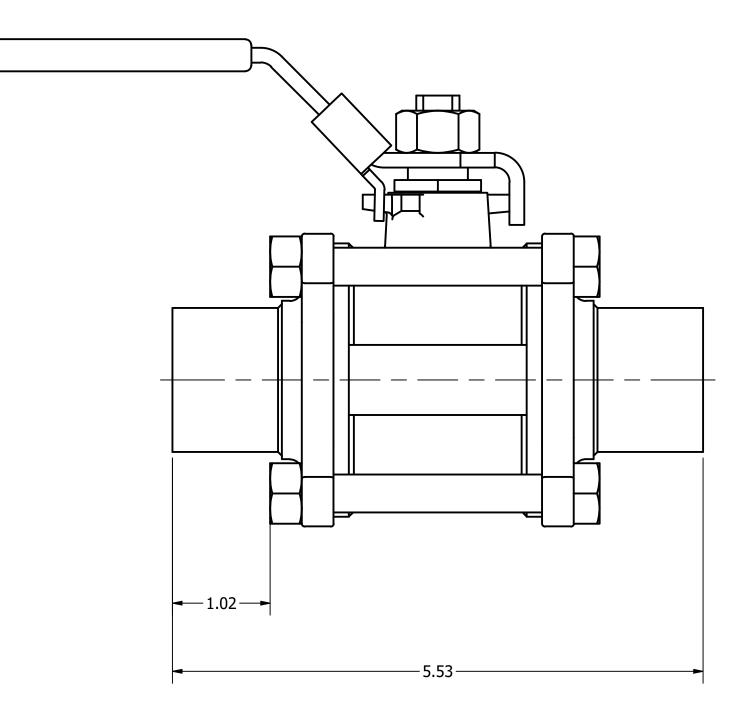
	(UNLESS OTHERWISE STATED) 3 PLACES ± .01		DATE 10/26/2024		NG7	DESCRIPTION 1" CFOS SS 316 BALL VALVE			
			DRAWN BY N.SEVERN	NG7	WWW.NG7DESIGN.COM	PART NUMBER BV-59-16-XX			
	1 PLACE	±.05 AR ± 1°	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THA AND SHOULD NOT BE USED WITHOUT V		SHEET SIZE D	UNITS SHEET IN 1	:T# RE'

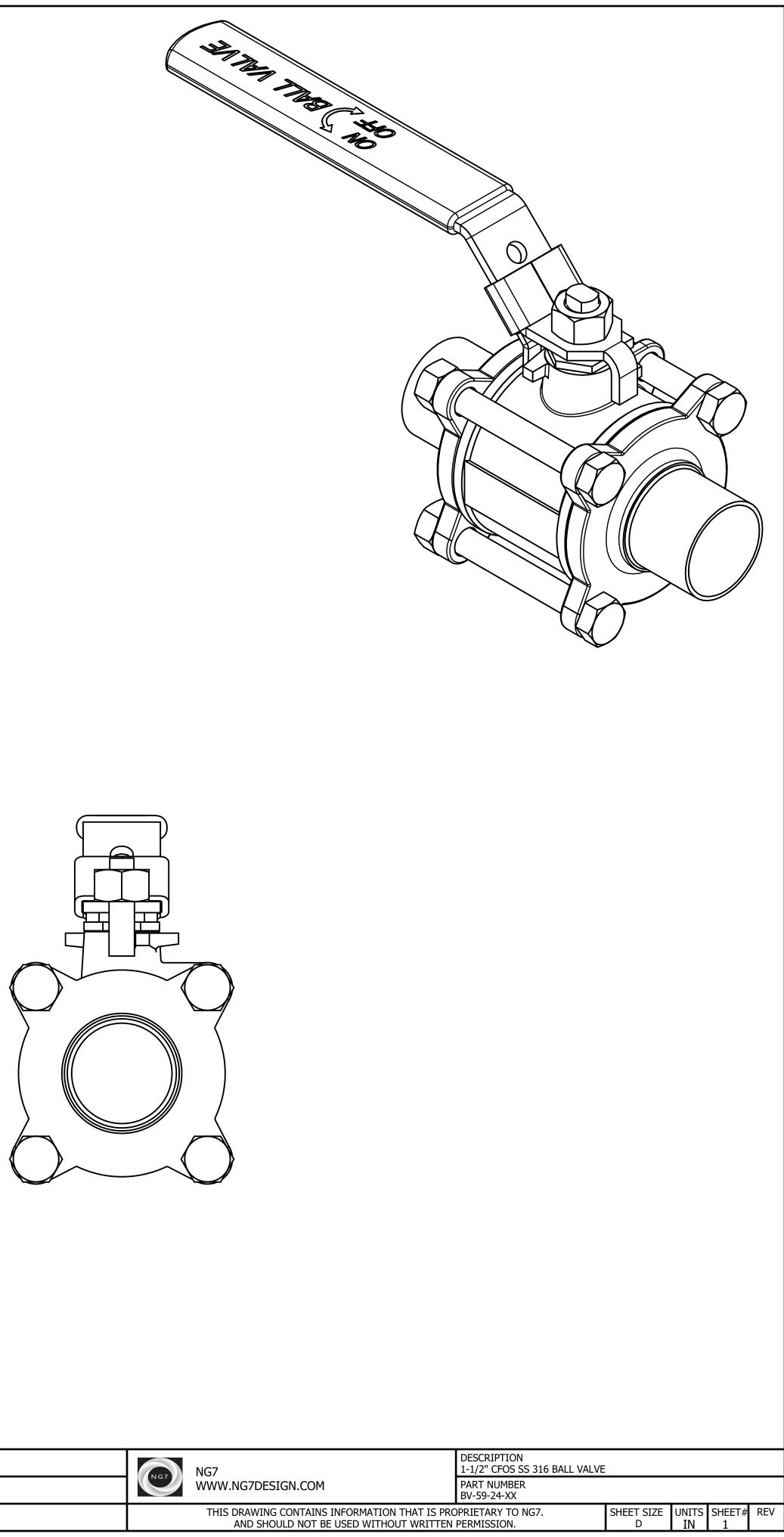


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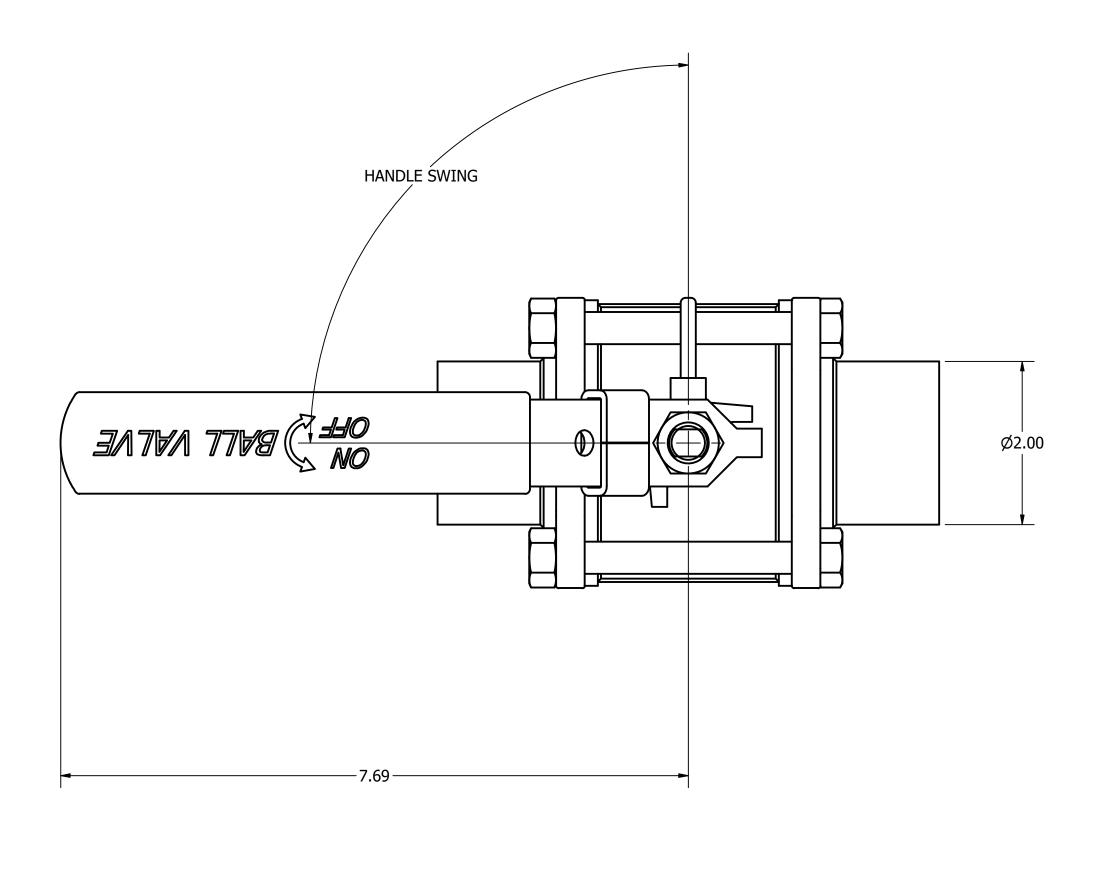


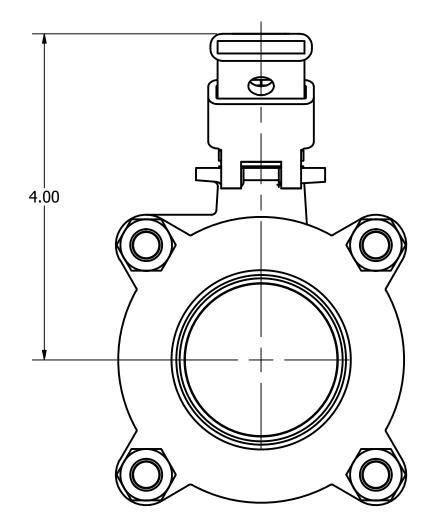


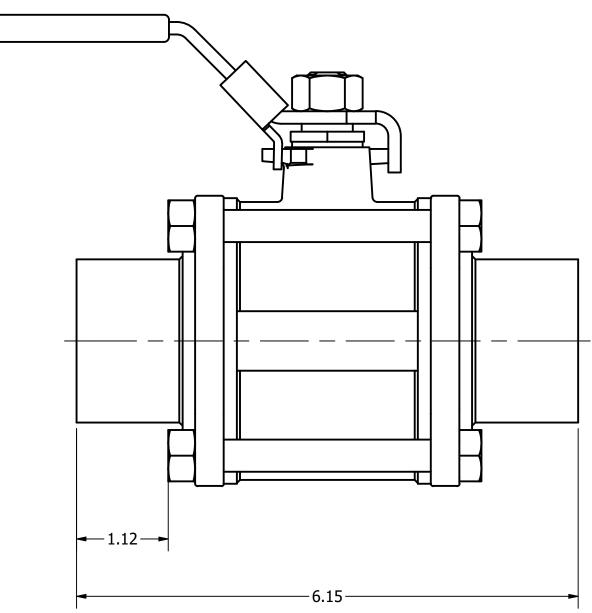


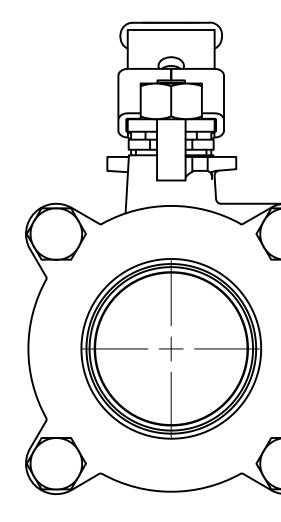


	TOLERANCES ERWISE STATED)	DATE 10/26/2024	NG7
3 PLACES	±.01	DRAWN BY	NG
2 PLACES	± .03	N.SEVERN	
1 PLACE	± .05	CHECKED BY	
ANGUL	$AR \pm 1^{\circ}$		

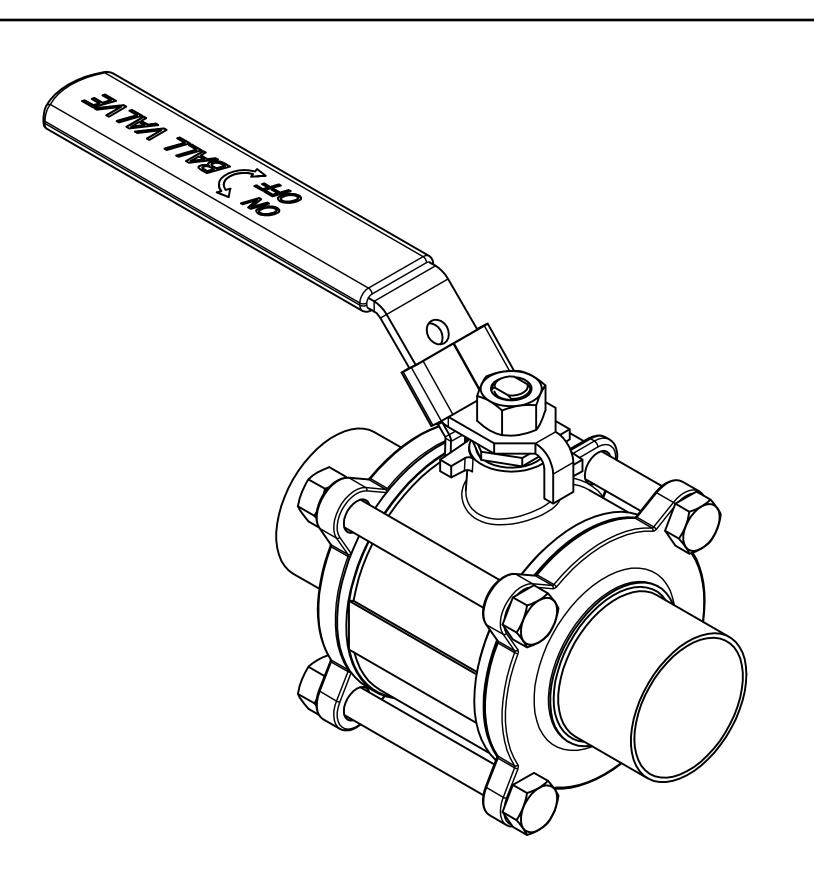


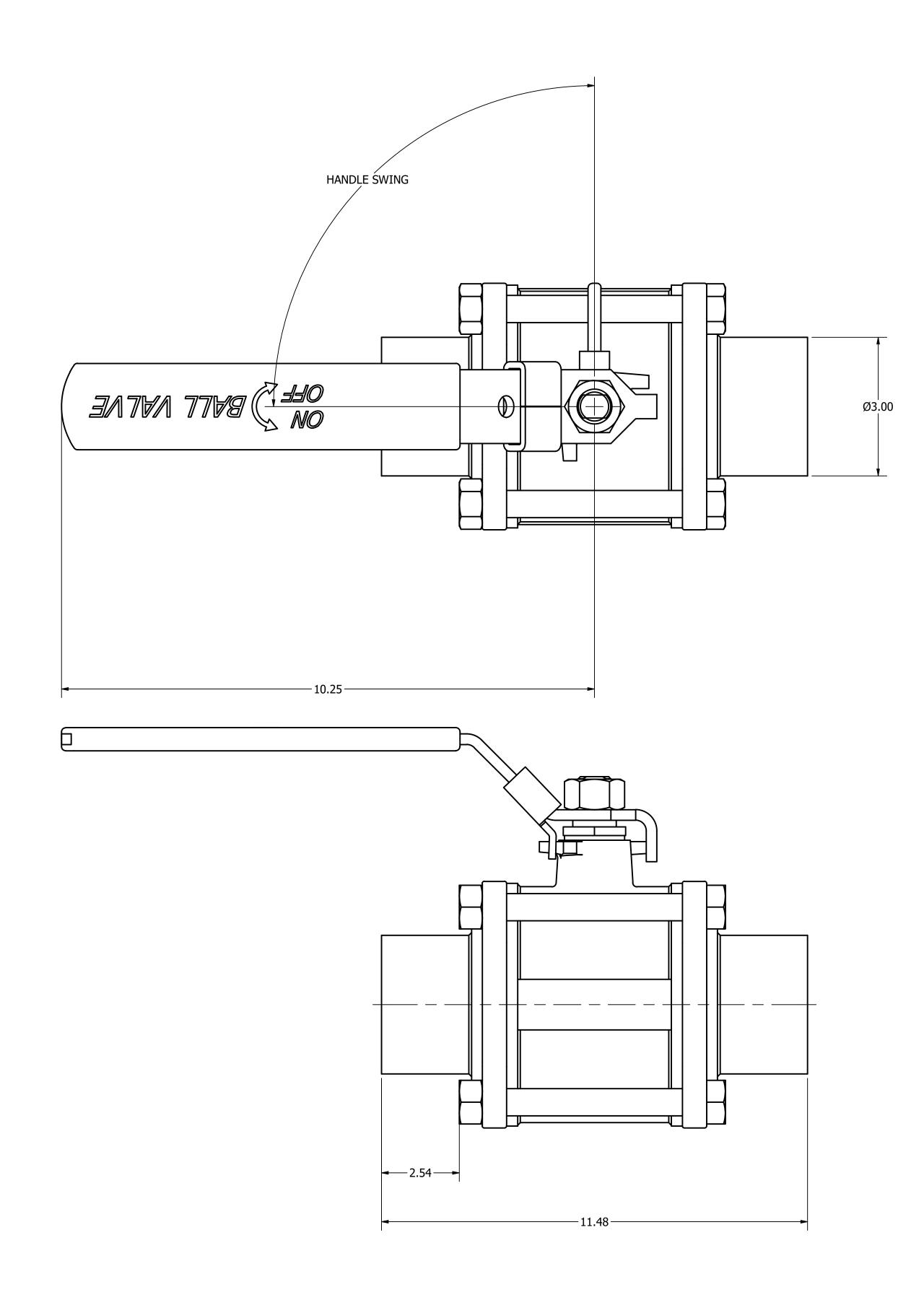


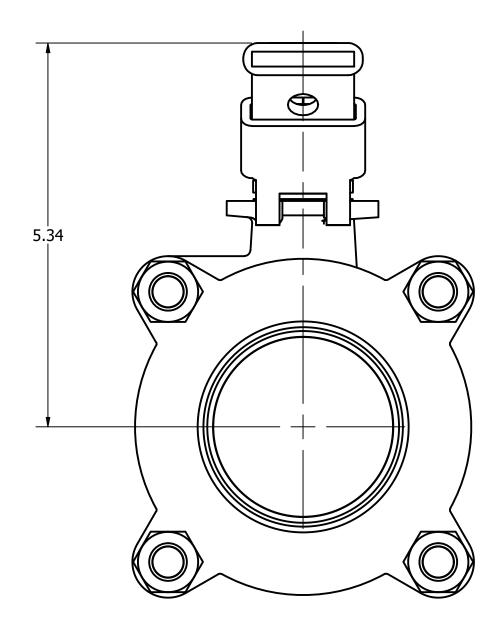


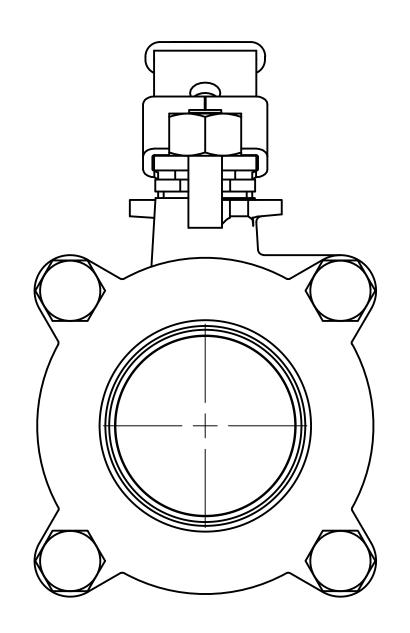


		DATE 10/26/2024	NG7		DESCRIPTION 2" CFOS SS 316 BALL VALVE				
3 PLACES 2 PLACES	± .01 ± .03	DRAWN BY N.SEVERN		WWW.NG7DESIGN.COM	PART NUMBER BV-59-32-XX				
1 PLACE ANGULA	$\pm .05$ CHECKED BY SULAR $\pm 1^{\circ}$			THIS DRAWING CONTAINS INFORMATION THAT IS PRO AND SHOULD NOT BE USED WITHOUT WRITTEN		SHEET SIZE D	UNITS SH IN	IEET# 1	REV

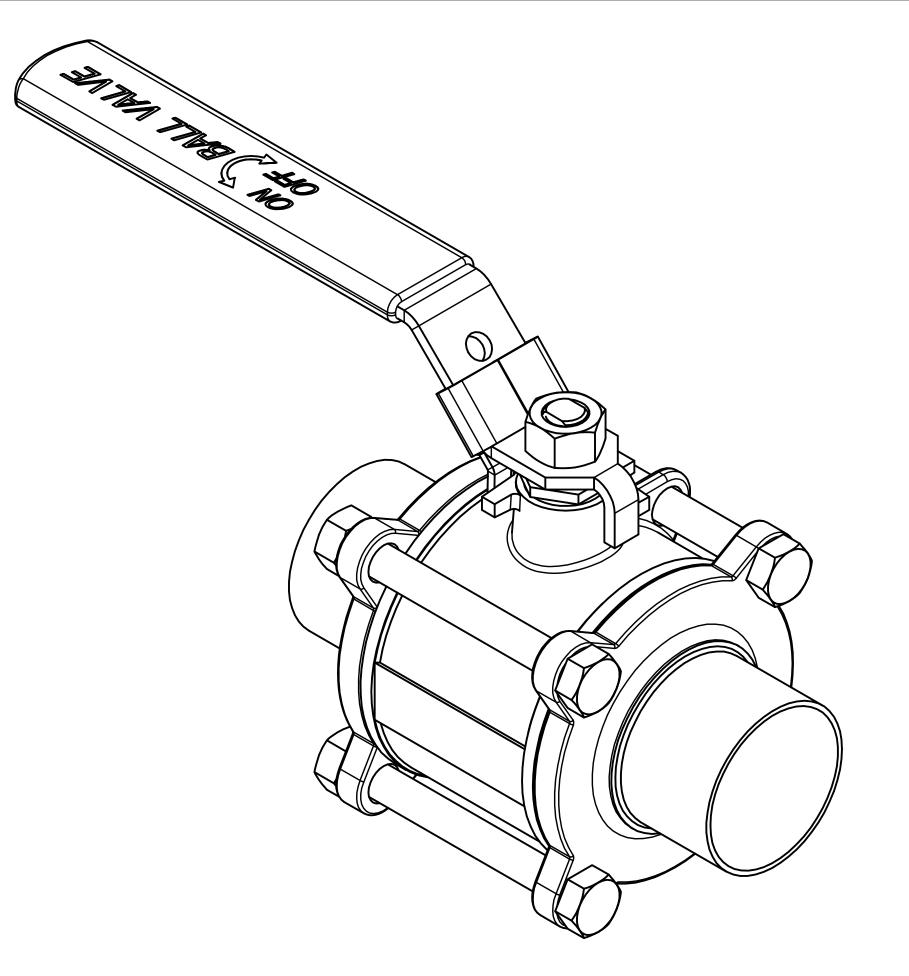


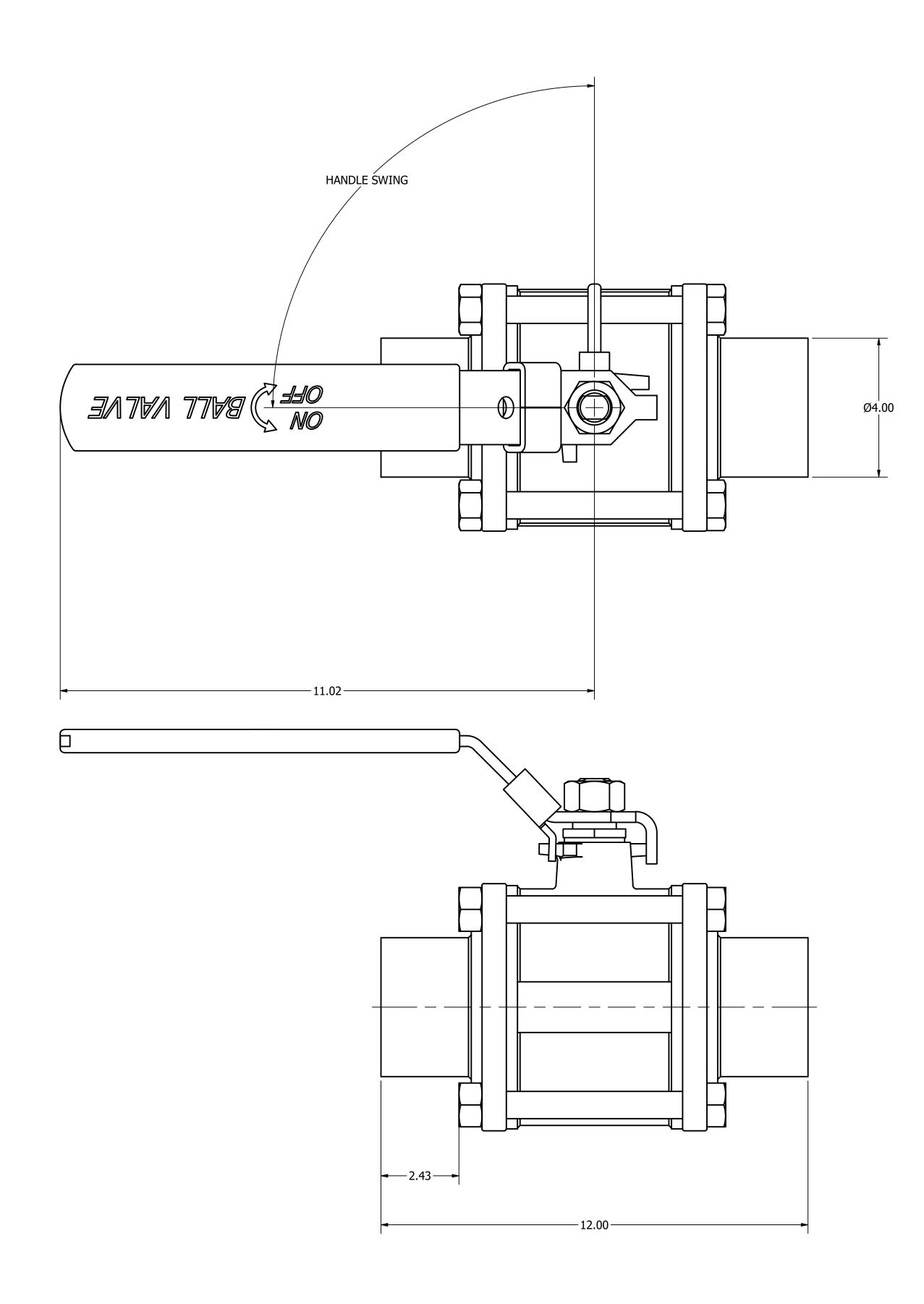


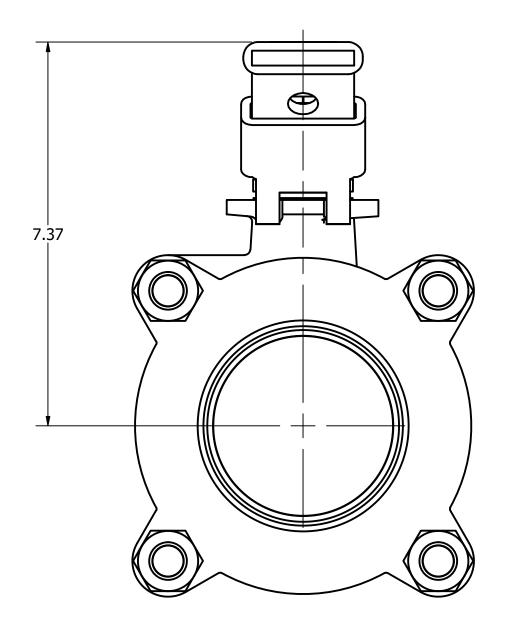


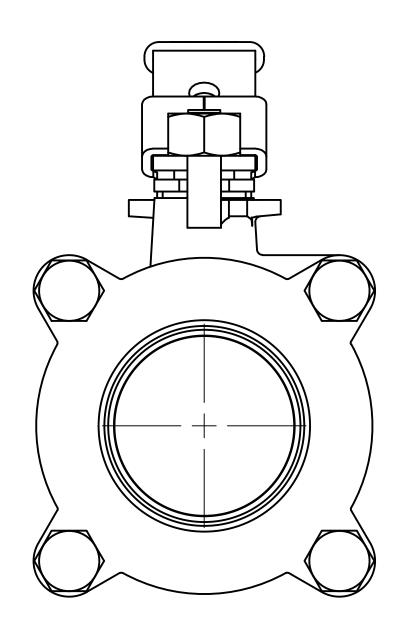


	TOLERANCES ERWISE STATED)	DATE 10/26/2024		NG7	DESCRIPTION 3" CFOS SS 316 BALL VALVE				
3 PLACES	±.01	DRAWN BY		WWW.NG7DESIGN.COM	PART NUMBER				
2 PLACES	± .03	N.SEVERN			BV-59-48-XX				
1 PLACE	± .05	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PRO	OPRIETARY TO NG7.	SHEET SIZE	UNITS	SHEET#	REV
ANGUL	AR ± 1°			AND SHOULD NOT BE USED WITHOUT WRITTEN	PERMISSION.	D	IN	1	









		DATE 10/26/2024	NG7		DESCRIPTION 4" CFOS SS 316 BALL VALVE			
3 PLACES	± .01	DRAWN BY		WWW.NG7DESIGN.COM	PART NUMBER			
2 PLACES	± .03	N.SEVERN			BV-59-64-XX			
1 PLACE	± .05	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PRO	OPRIETARY TO NG7.	SHEET SIZE U	JNITS SHEET#	# REV
ANGUL	$AR \pm 1^{\circ}$			AND SHOULD NOT BE USED WITHOUT WRITTEN	PERMISSION.	D	IN 1	

