

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

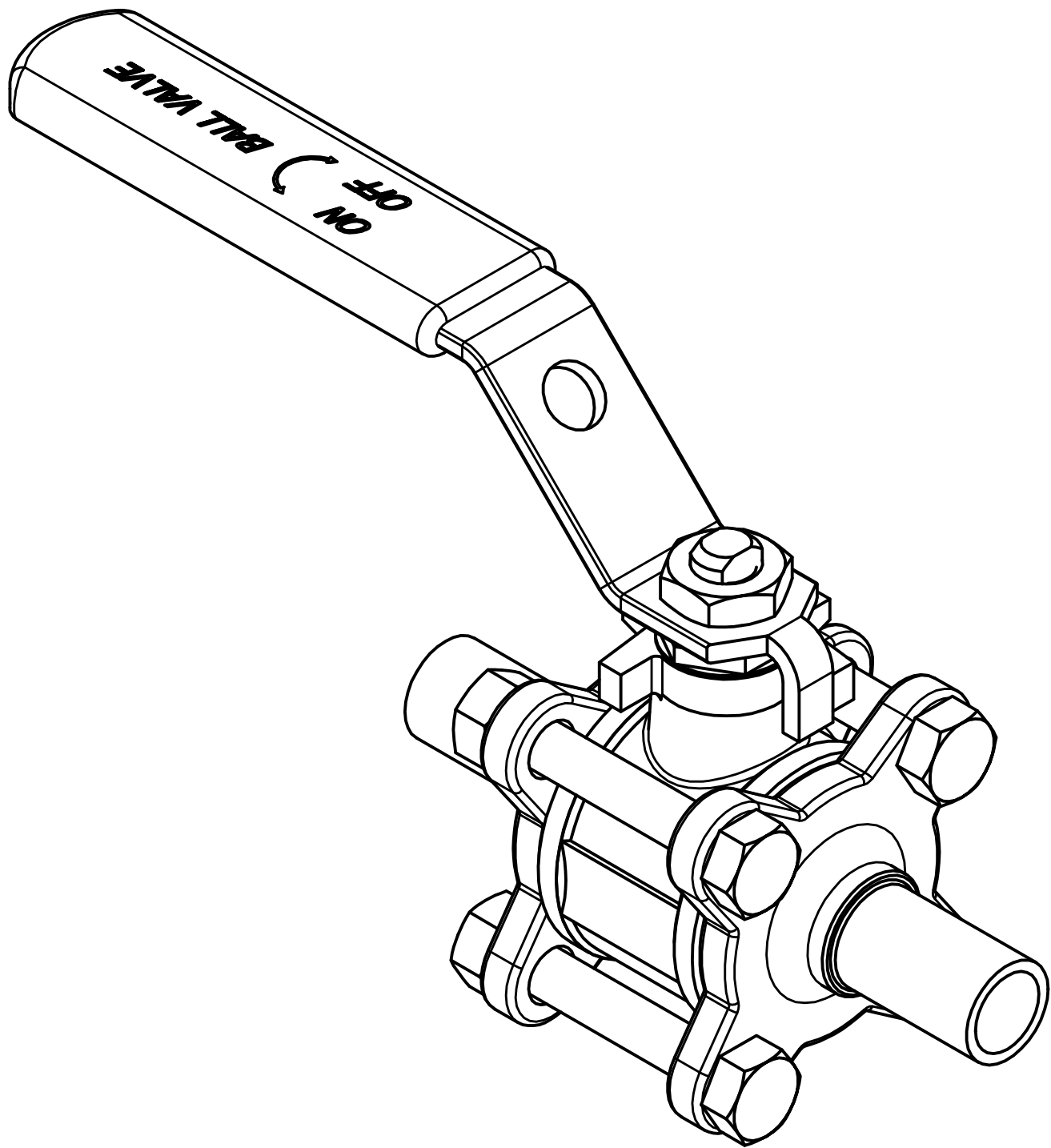
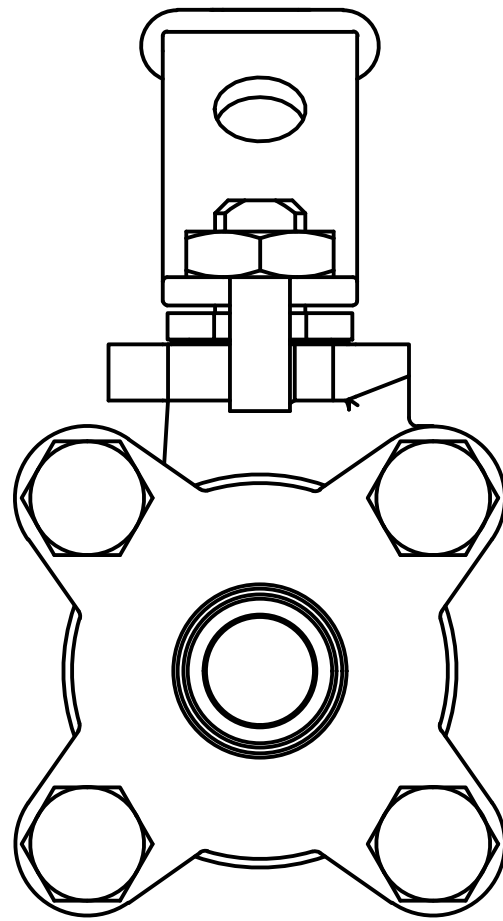
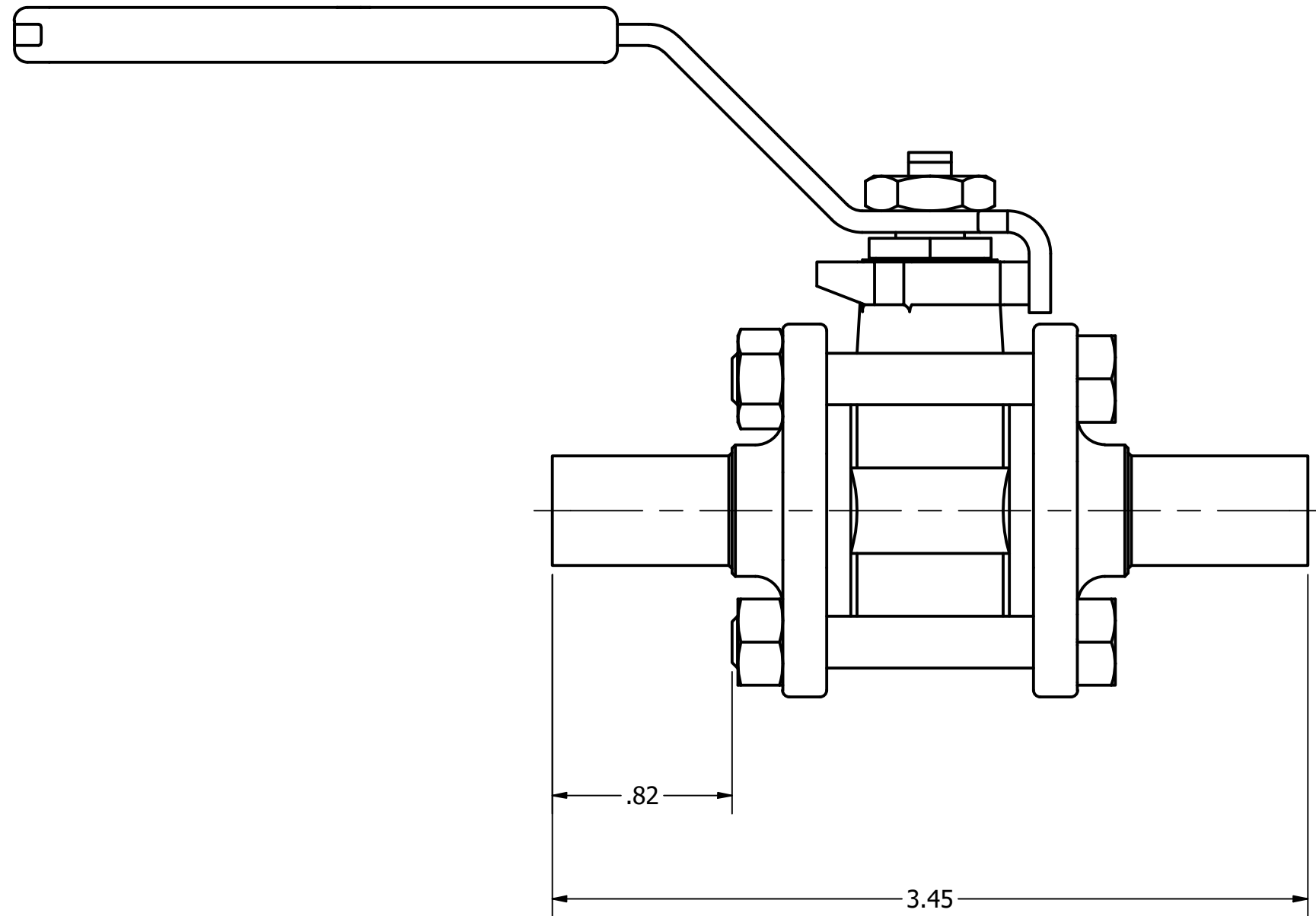
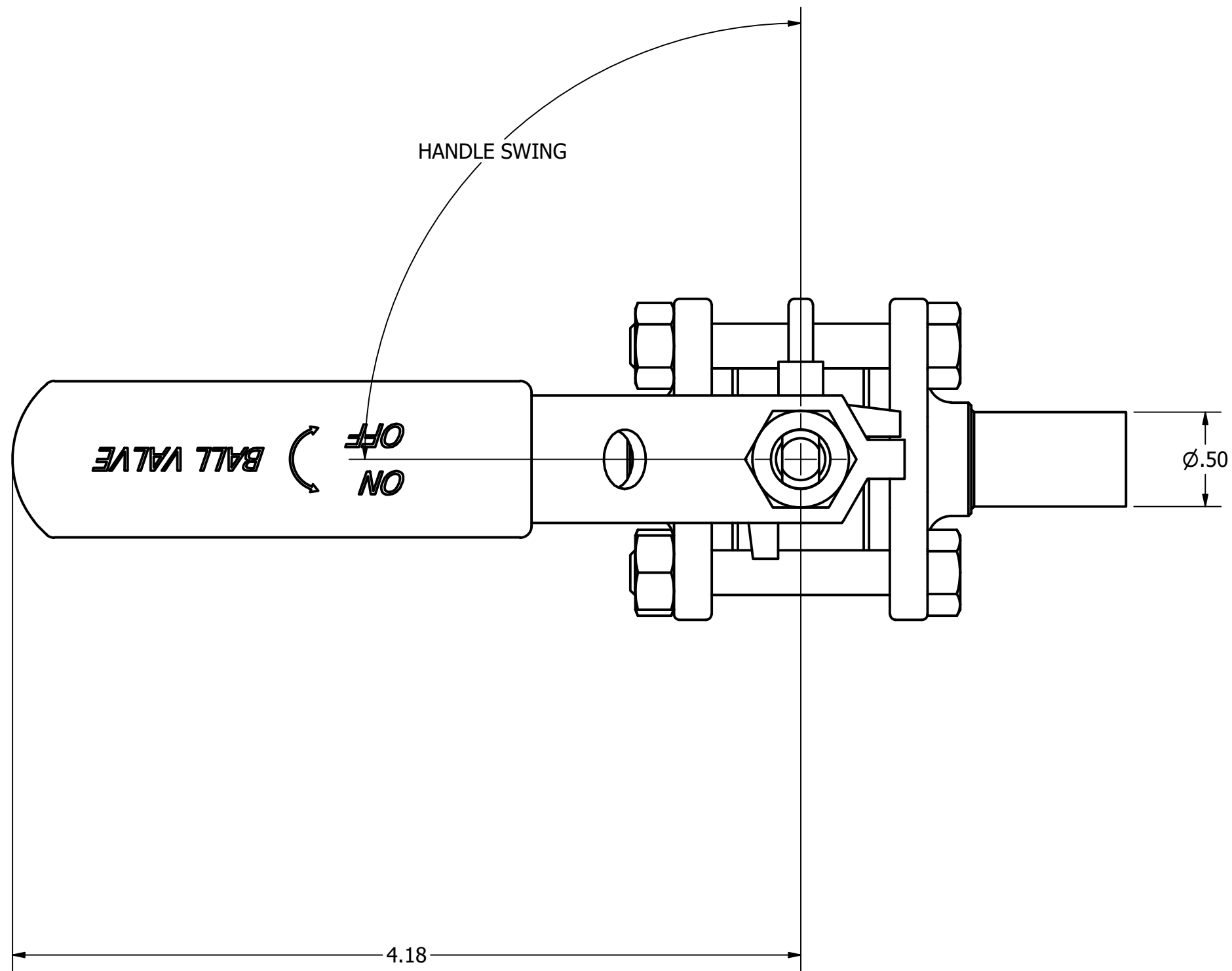
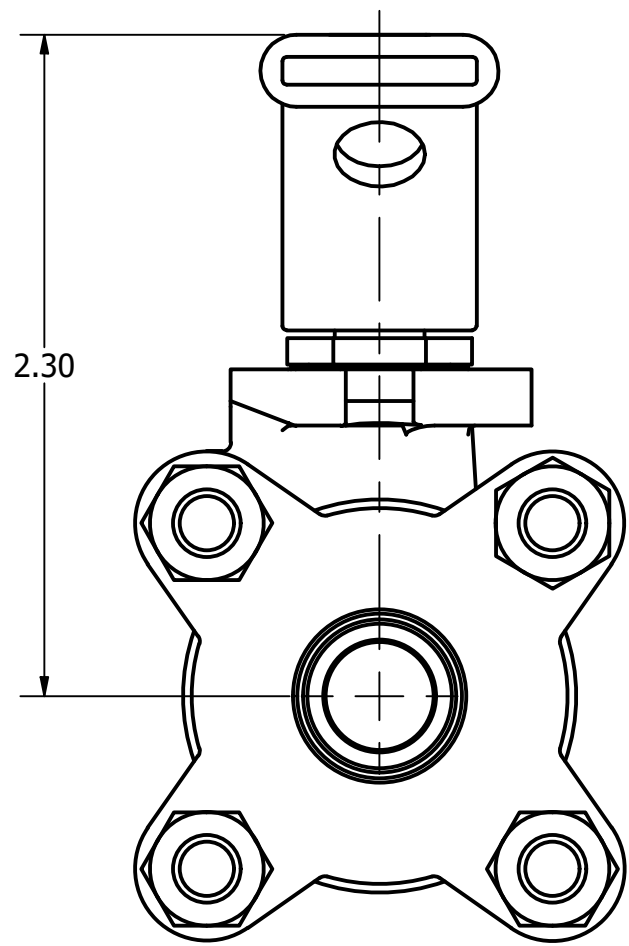
Size	Cv
1/4"	1.1
3/8"	2.8
1/2"	19
3/4"	35
1"	50
1-1/2"	200
2"	350
3"	1100
4"	2100


Material:

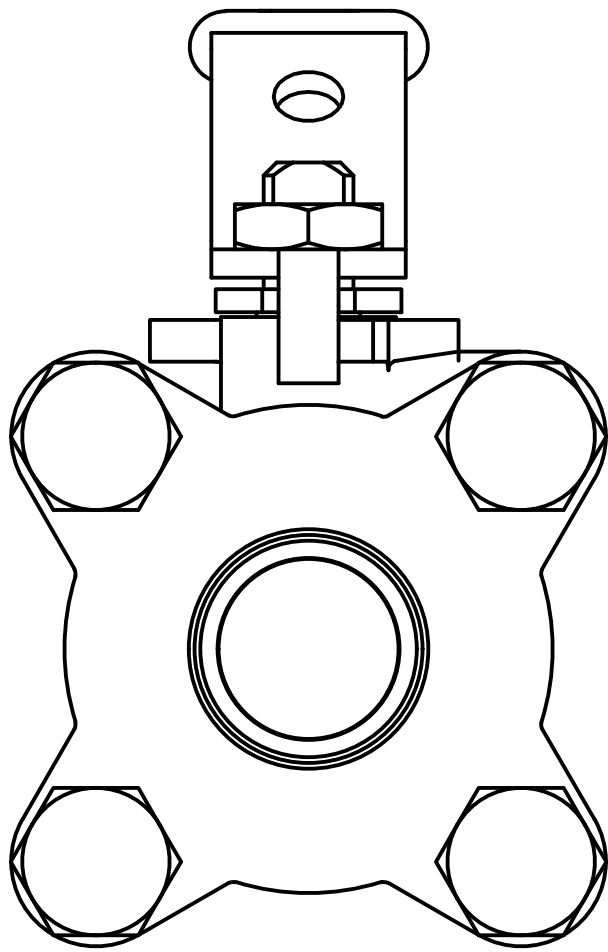
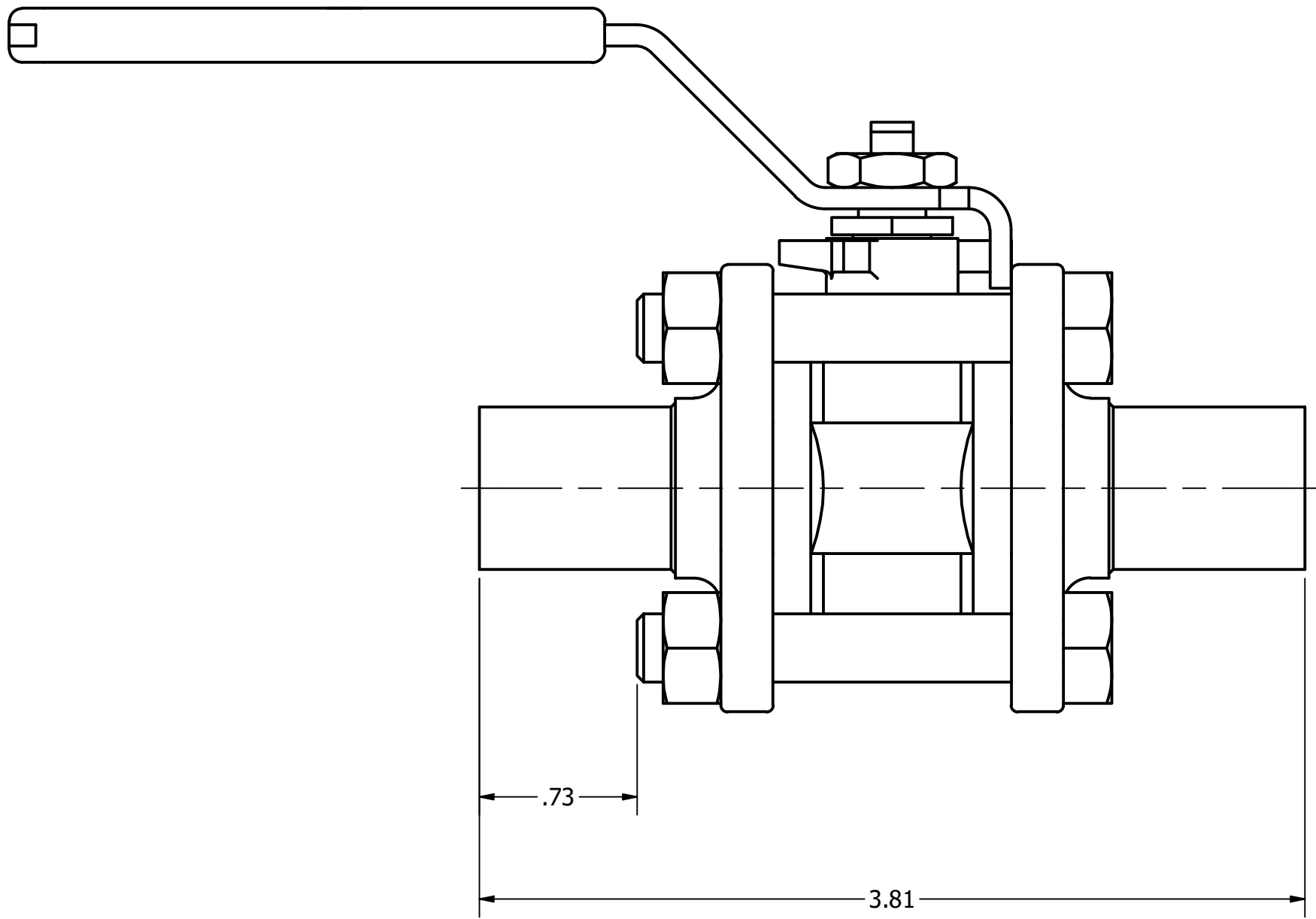
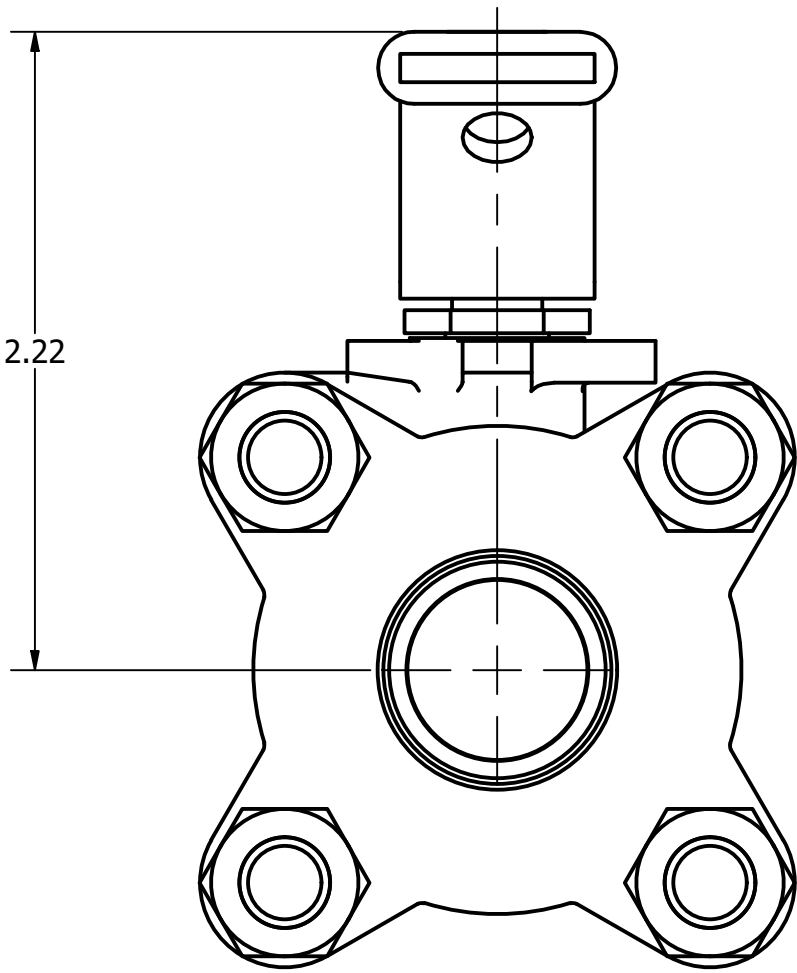
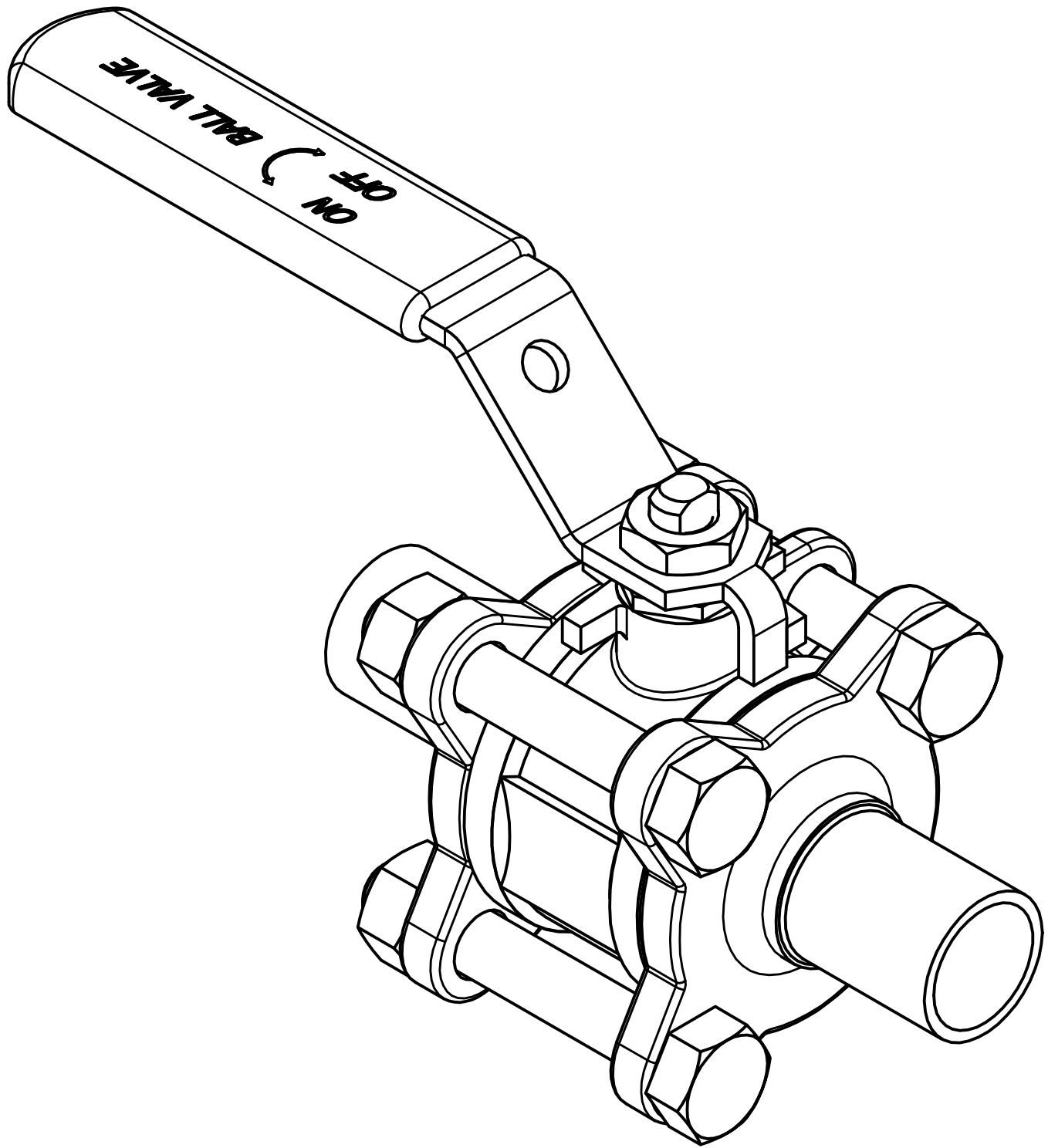
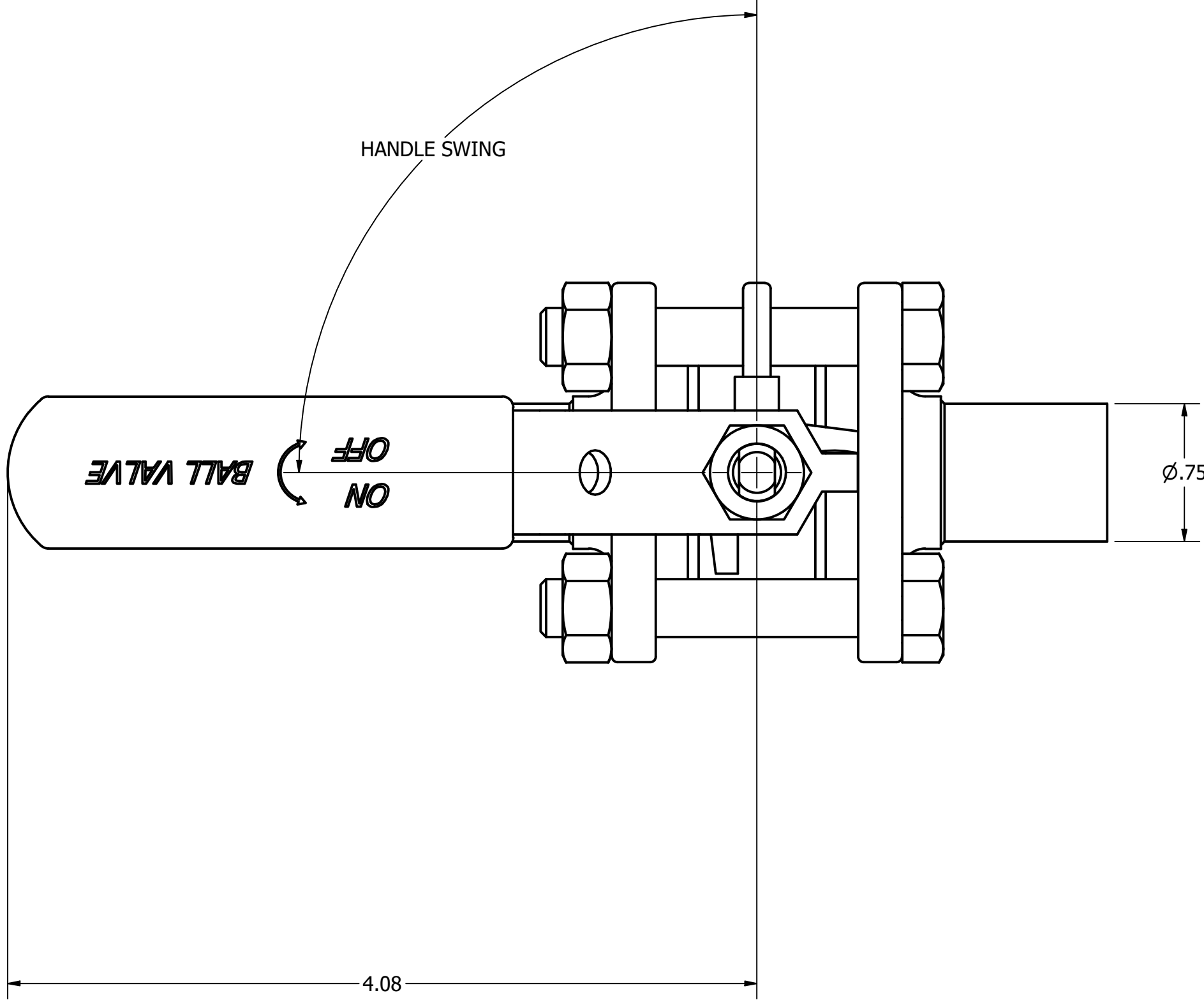
Stainless Steel 316L.


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

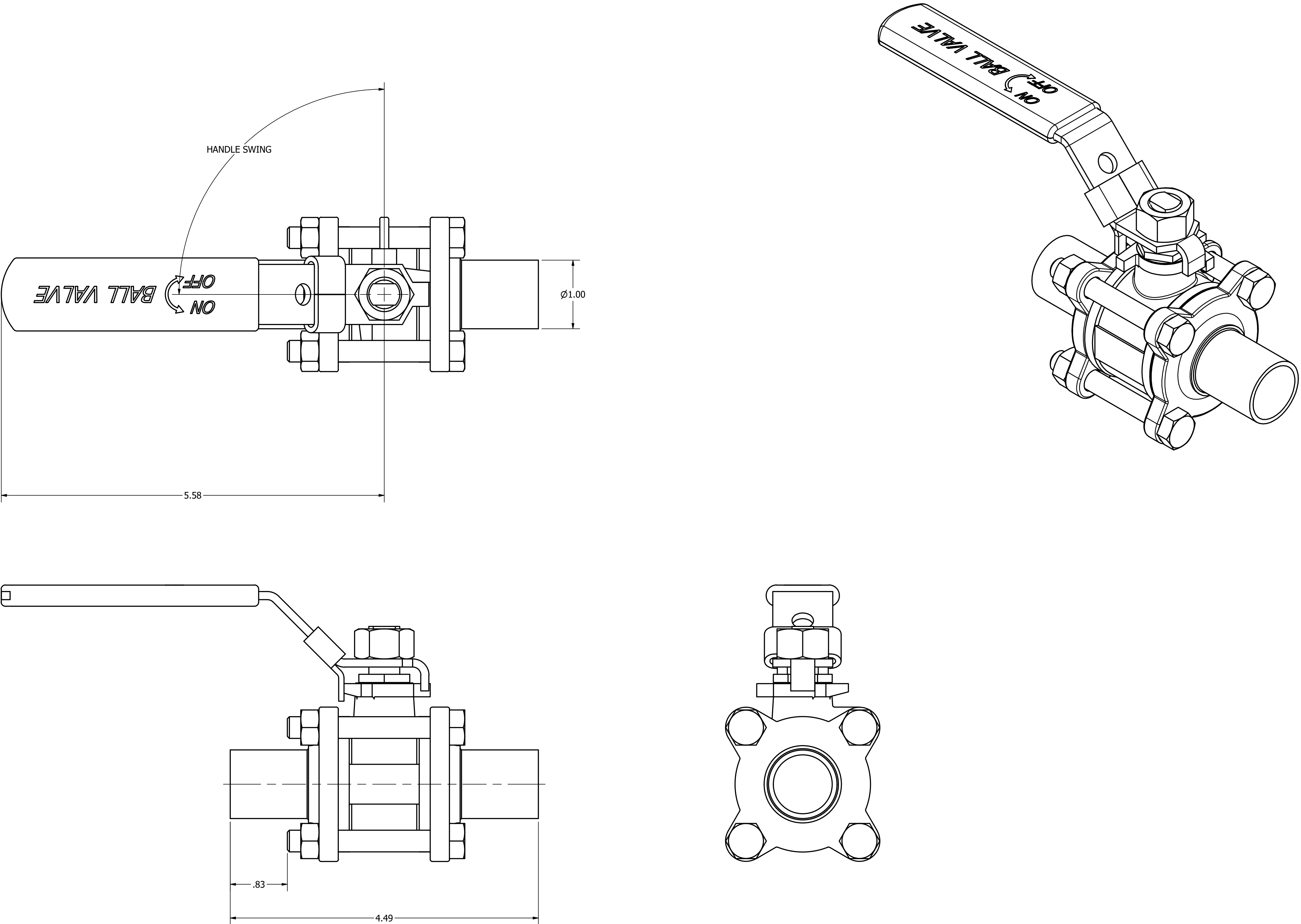
Valve centerbody/ housing
CF8M/ CF8, ball included.




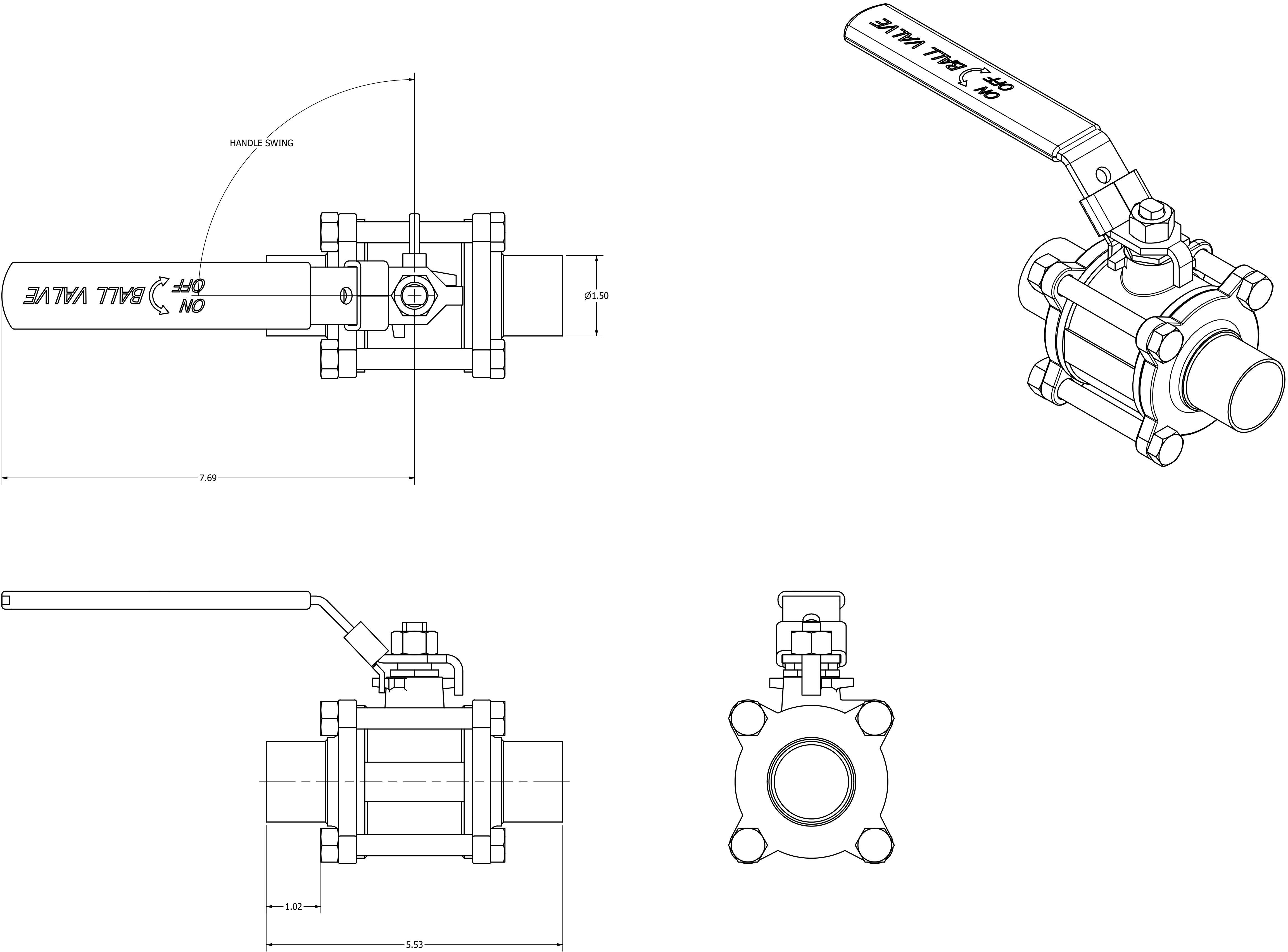
ISSUED FOR CUSTOMER REVIEW				GENERAL TOLERANCES (UNLESS OTHERWISE STATED)		DATE 10/26/2024	 NG7 WWW.NG7DESIGN.COM	DESCRIPTION 1/2" CFOS SS 316 BALL VALVE			
				3 PLACES	± .01	DRAWN BY N. SEVERN		PART NUMBER BV-59-08-XX			
				2 PLACES	± .03	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO NG7. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			
				1 PLACE	± .05						
				ANGULAR ± 1°				SHEET SIZE D	UNITS IN	SHEET # 1	REV




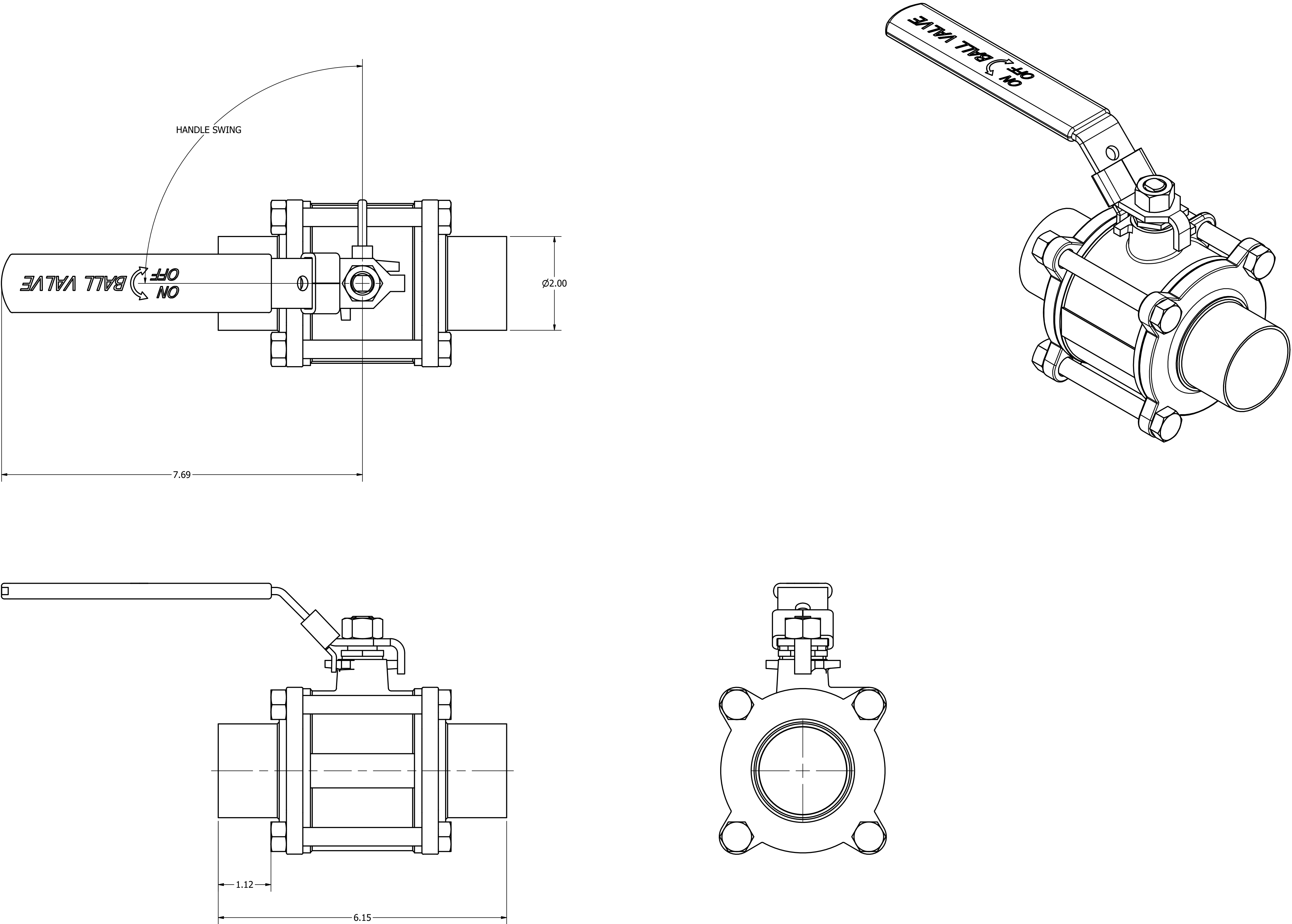
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				2 PLACES	± .03	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO NG7. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						
				1 PLACE	± .05									
				ANGULAR ± 1°							SHEET SIZE D	UNITS IN	SHEET # 1	REV




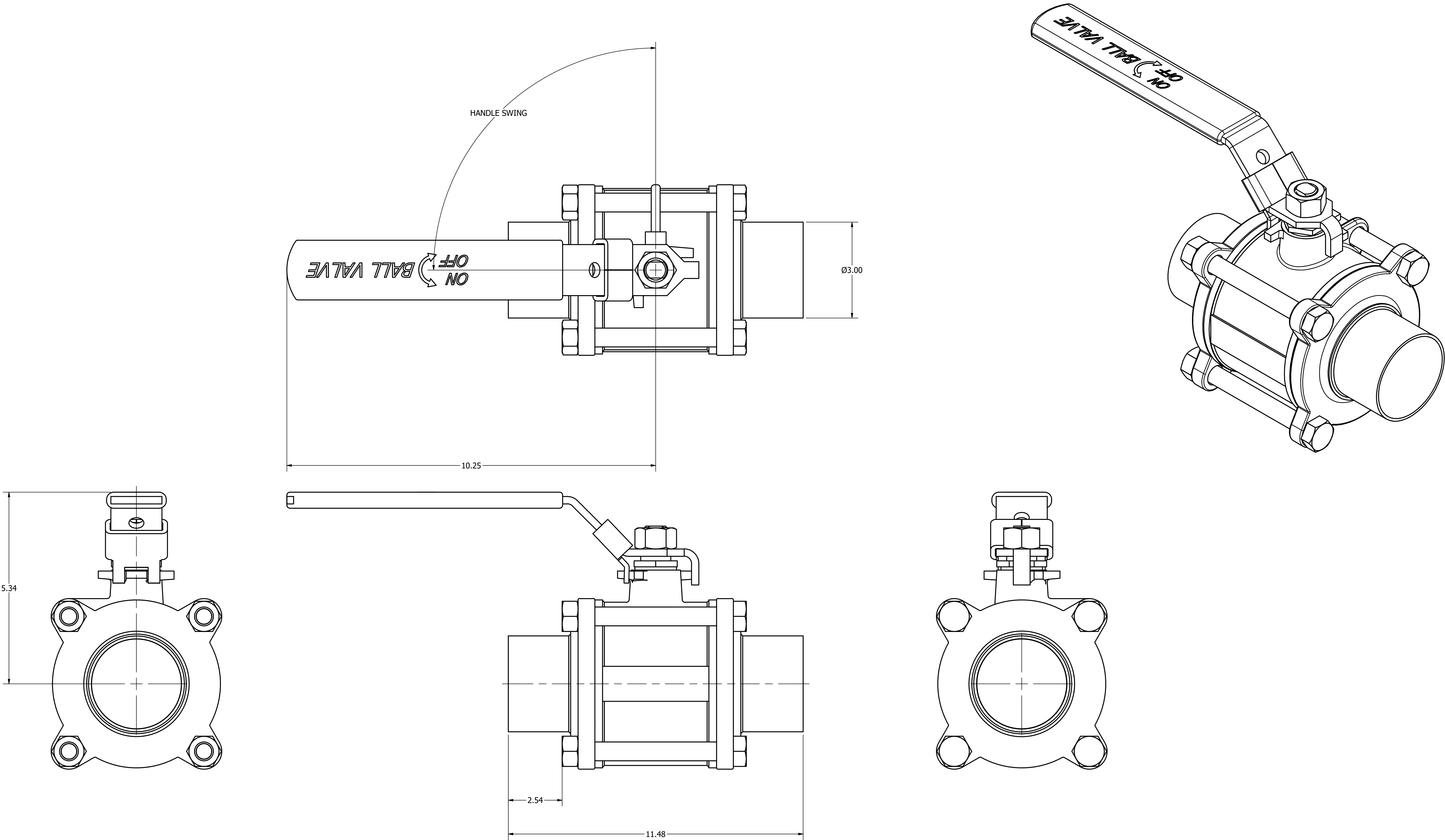
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				1 PLACE	± .05									
				ANGULAR ± 1°							SHEET SIZE D	UNITS IN	SHEET # 1	REV




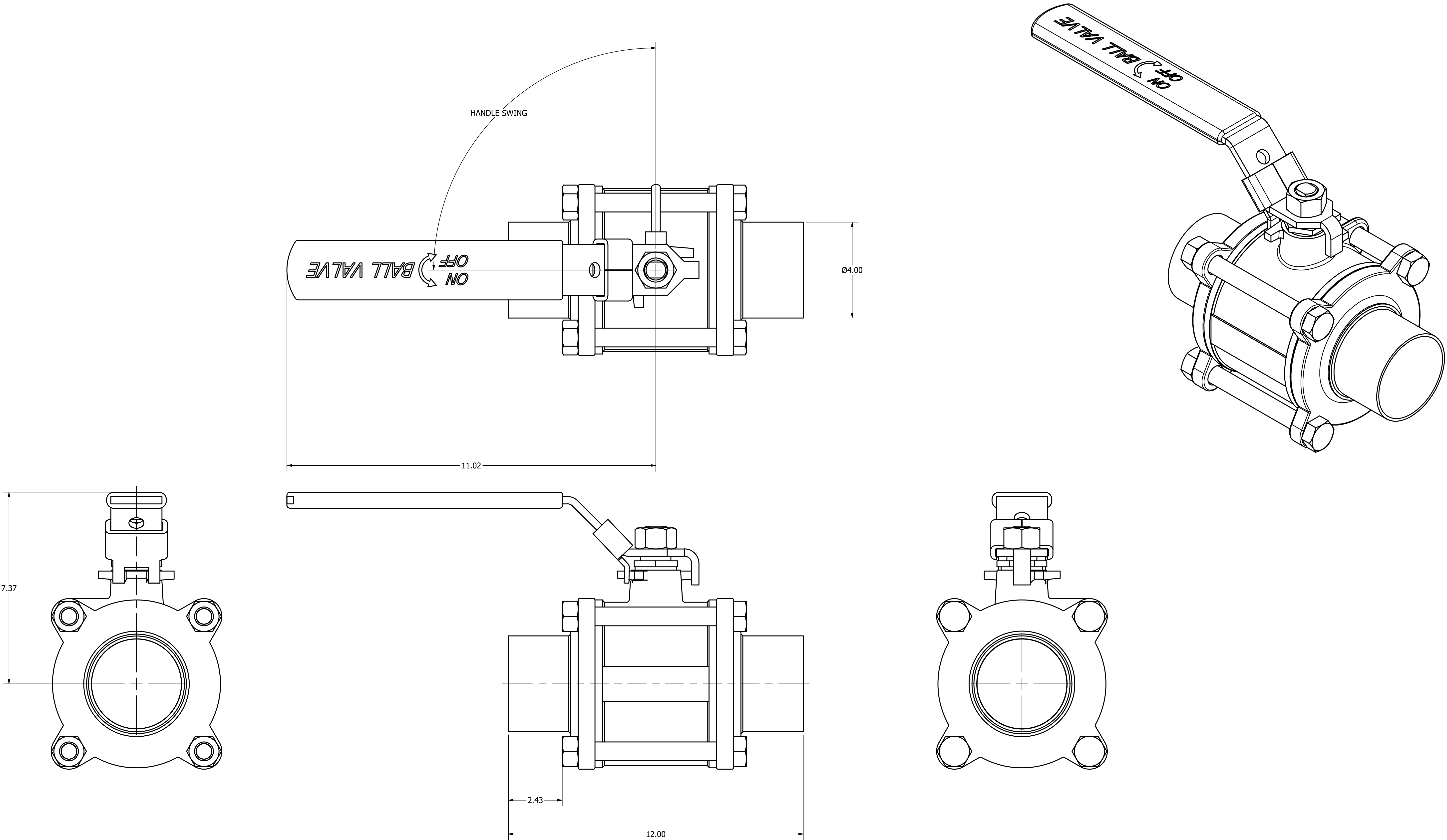
ISSUED FOR CUSTOMER REVIEW				GENERAL TOLERANCES (UNLESS OTHERWISE STATED)		DATE 10/26/2024		 NG7 WWW.NG7DESIGN.COM		DESCRIPTION 1-1/2" CFOS SS 316 BALL VALVE				
				3 PLACES ± .01		DRAWN BY N. SEVERN				PART NUMBER BV-59-24-XX				
				2 PLACES ± .03		CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO NG7. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SHEET SIZE D		UNITS IN	SHEET# 1	REV
				1 PLACE ± .05						D		IN	1	
				ANGULAR ± 1°										




ISSUED FOR CUSTOMER REVIEW				GENERAL TOLERANCES (UNLESS OTHERWISE STATED)		DATE 10/26/2024	 NG7 WWW.NG7DESIGN.COM	DESCRIPTION 2" CFOS SS 316 BALL VALVE				
				3 PLACES	± .01	DRAWN BY N. SEVERN		PART NUMBER BV-59-32-XX				
				2 PLACES	± .03	CHECKED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO NG7. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				
				1 PLACE	± .05							
				ANGULAR ± 1°								
									SHEET SIZE D	UNITS IN	SHEET # 1	REV



ISSUED FOR CUSTOMER REVIEW				GENERAL TOLERANCES (UNLESS OTHERWISE STATED)		DATE 10/26/2024	 NG7 WWW.NG7DESIGN.COM	DESCRIPTION 3" CFOS SS 316 BALL VALVE			
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				1 PLACE	± .05						
				ANGULAR ± 1°				SHEET SIZE D	UNITS IN	SHEET# 1	REV



ISSUED FOR CUSTOMER REVIEW				GENERAL TOLERANCES (UNLESS OTHERWISE STATED)		DATE 10/26/2024	 NG7 WWW.NG7DESIGN.COM	DESCRIPTION 4" CFOS SS 316 BALL VALVE						
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				1 PLACE	± .05									
				ANGULAR ± 1°							SHEET SIZE D	UNITS IN	SHEET# 1	REV