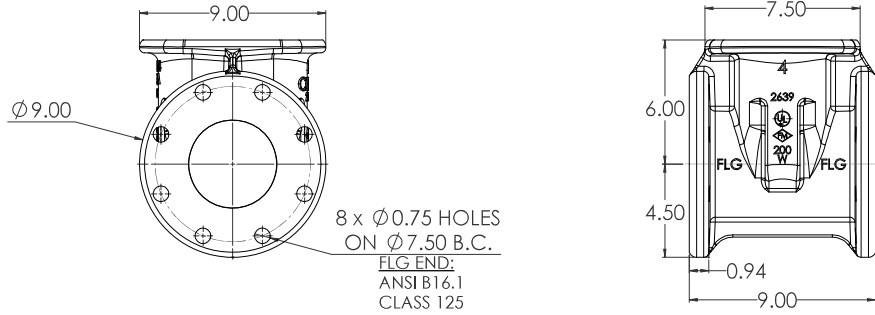
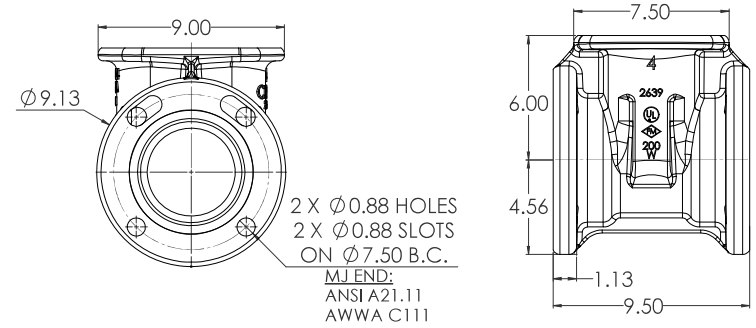


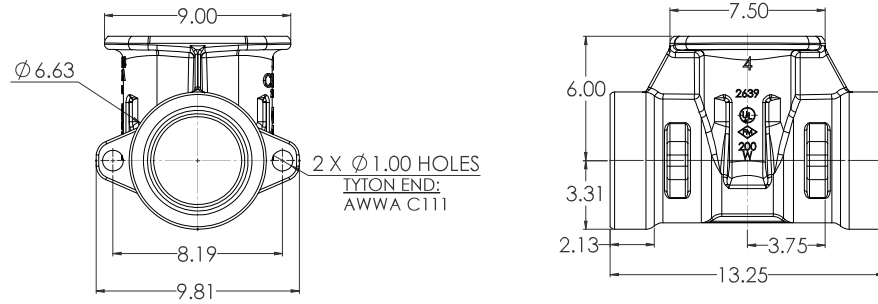
04" C509 FLG X FLG



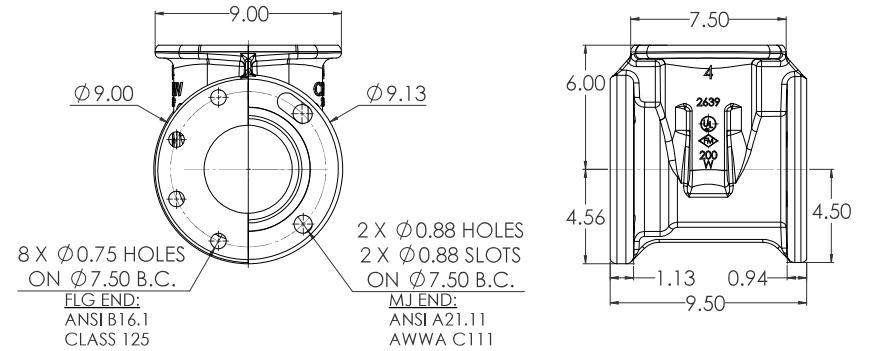
04" C509 MJ X MJ



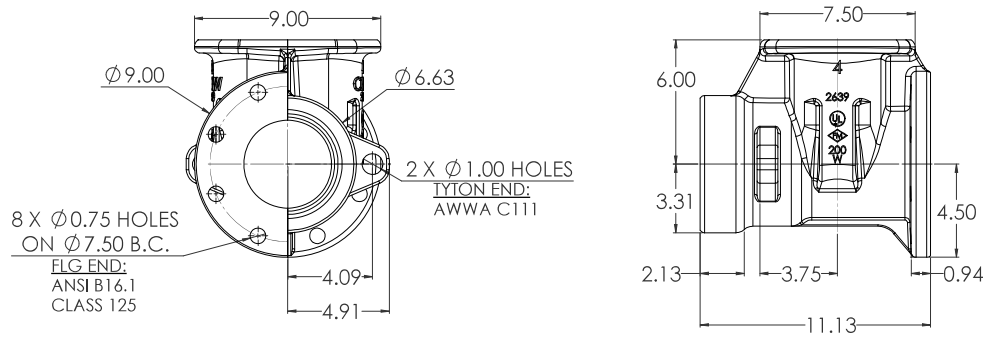
04" C509 TYTON X TYTON



04" C509 FLG X MJ

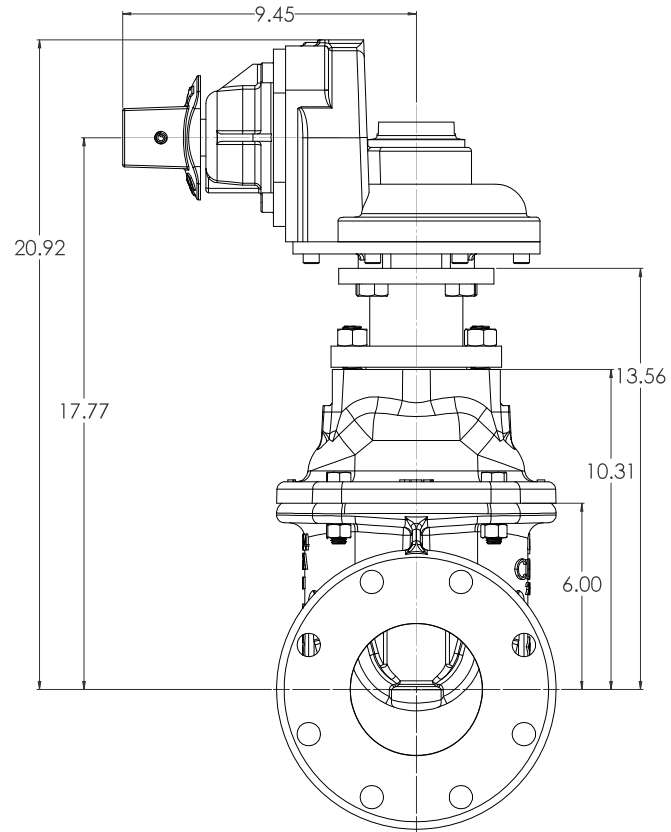


04" C509 FLG X TYTON

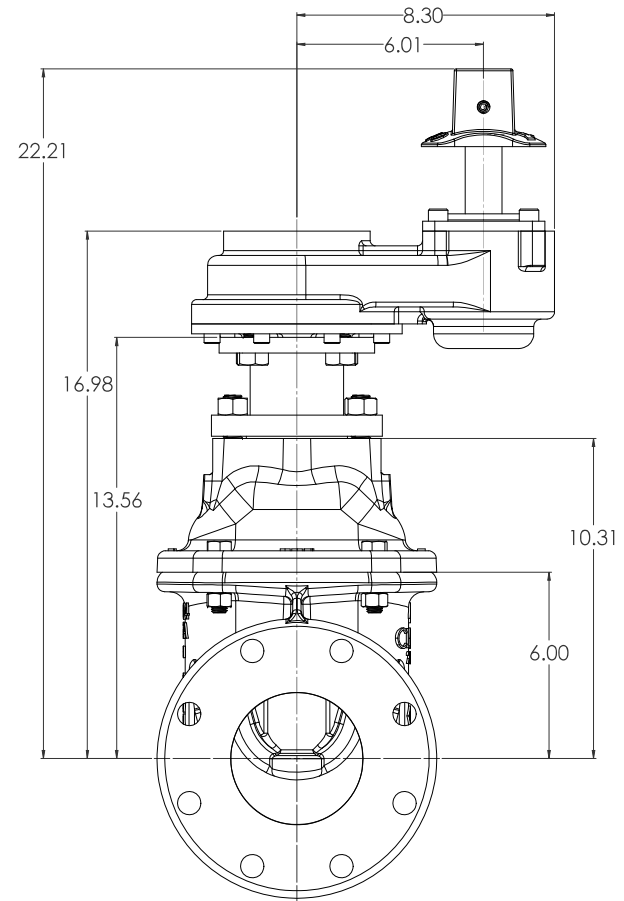


COMPANY: WORLDWIDE VALVE ADDRESS: 1100 W. 10th Street, Suite 100 Phone: 817-435-1100 Fax: 817-435-1101 Email: sales@worldwidevalve.com Website: www.worldwidevalve.com	DRAWING NO: 04" C509 NRS GEARED REV: 1 DATE: 12/1/2020 DWG NO: 12/1/2020 DWG NO: 12/1/2020 DWG NO: 12/1/2020	TITLE: 04" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE Scale: 1:3 Date: 12/1/2020 Author: SW Check: SW Drawn: SW Appr: SW	SHEET NO: 7 TOTAL SHEETS: 7 PROJECT NO: 12/1/2020 PROJECT NAME: 12/1/2020 PROJECT LOCATION: 12/1/2020 PROJECT DESCRIPTION: 12/1/2020 PROJECT CLIENT: 12/1/2020 PROJECT ADDRESS: 12/1/2020 PROJECT PHONE: 12/1/2020 PROJECT FAX: 12/1/2020 PROJECT EMAIL: 12/1/2020 PROJECT WEBSITE: 12/1/2020
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BEVEL GEAR OPERATING NUT

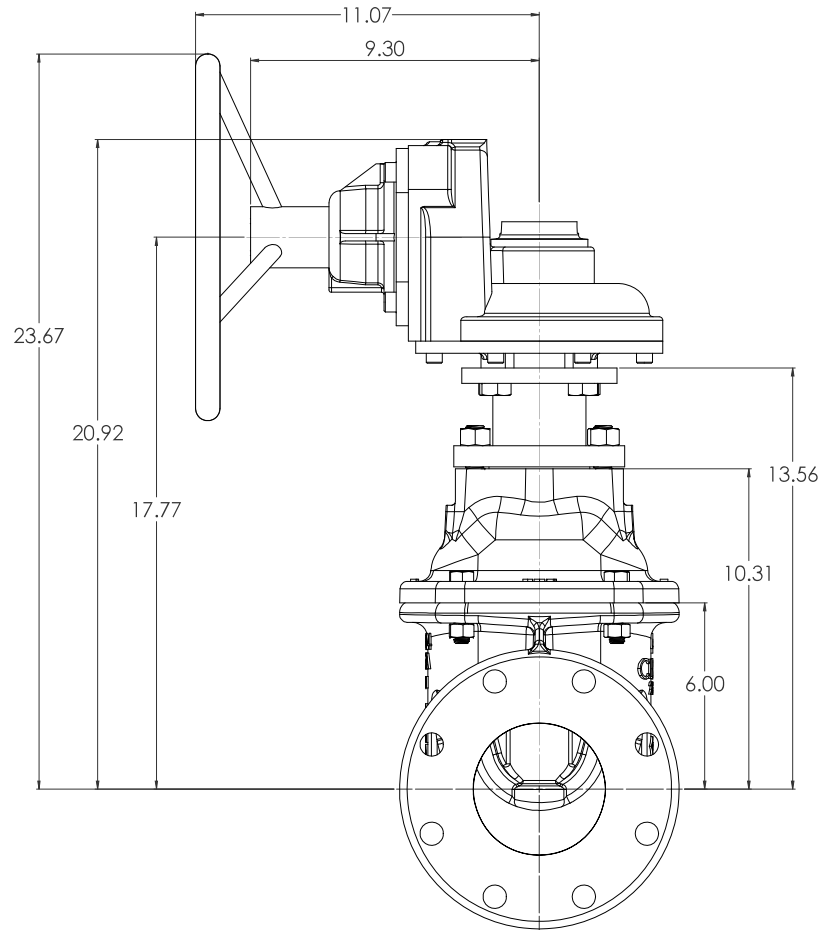


BEVEL GEAR HANDWHEEL

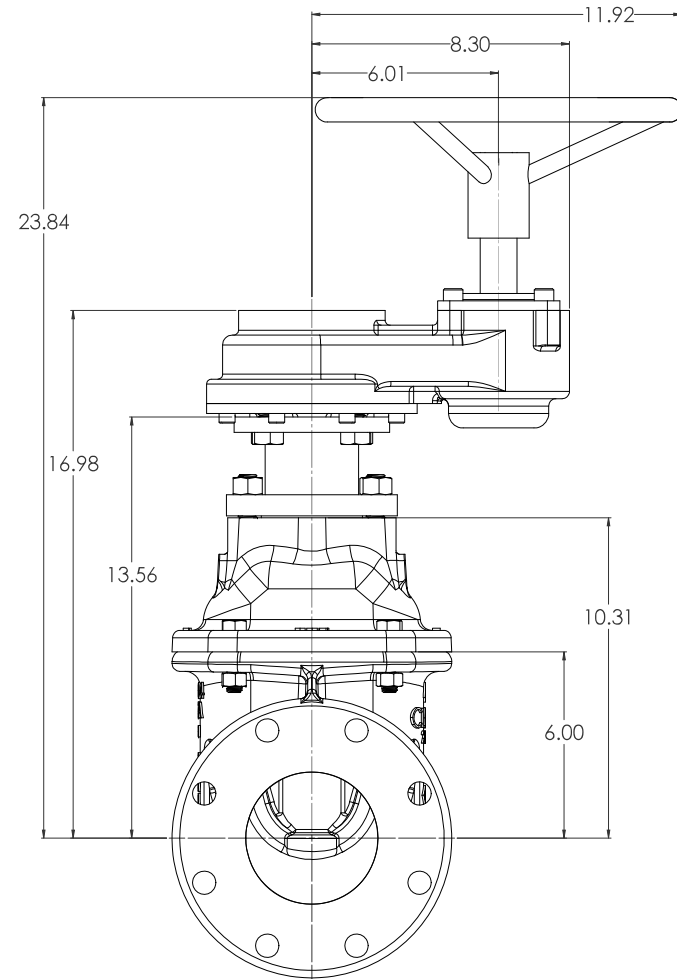


COMPANY: SOLOWORKS ADDRESS: 1271/2920 CITY: CW		PROJECT: 1271/2920 DATE: 12/1/2020		DRAWING NO: 1271/2920 SHEET NO: 7		TITLE: 04" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE SCALE: 1:5		PROJECT NO: 1271/2920 SHEET NO: 7		DATE: 12/1/2020 SCALE: 1:5		PROJECT NO: 1271/2920 SHEET NO: 7		DATE: 12/1/2020 SCALE: 1:5	
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BEVEL GEAR HANDWHEEL

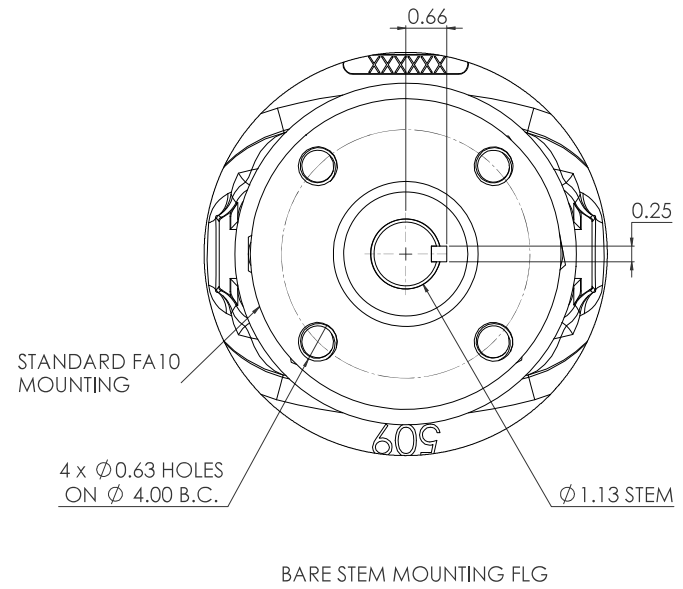
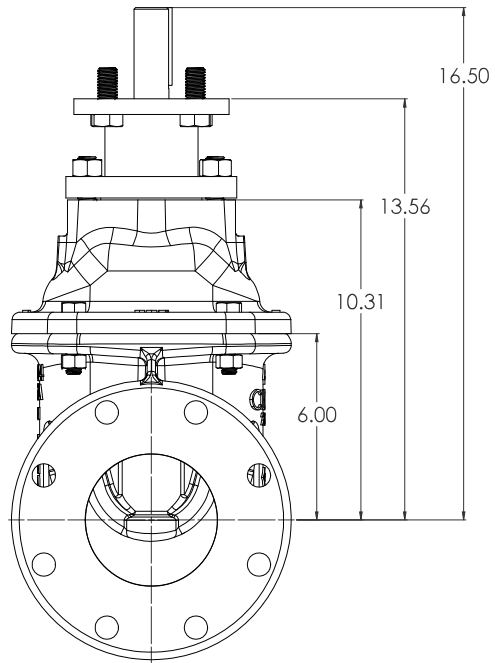


SPUR GEAR HANDWHEEL

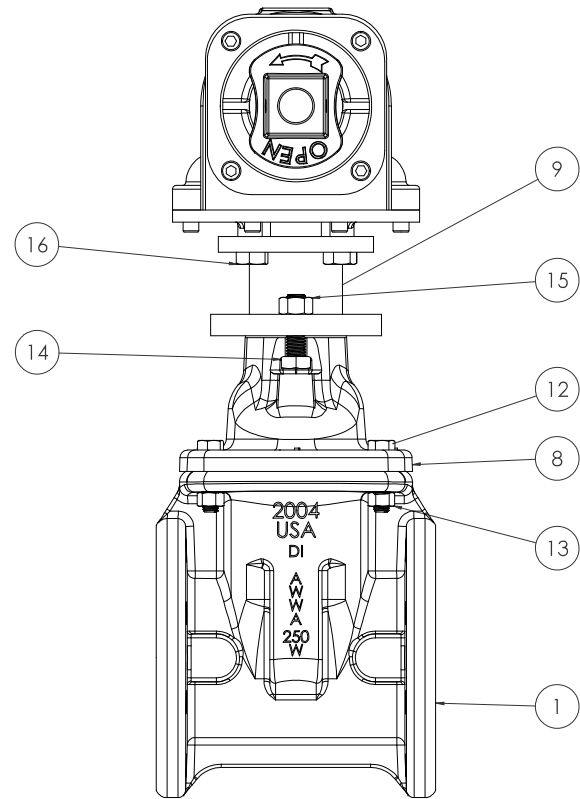
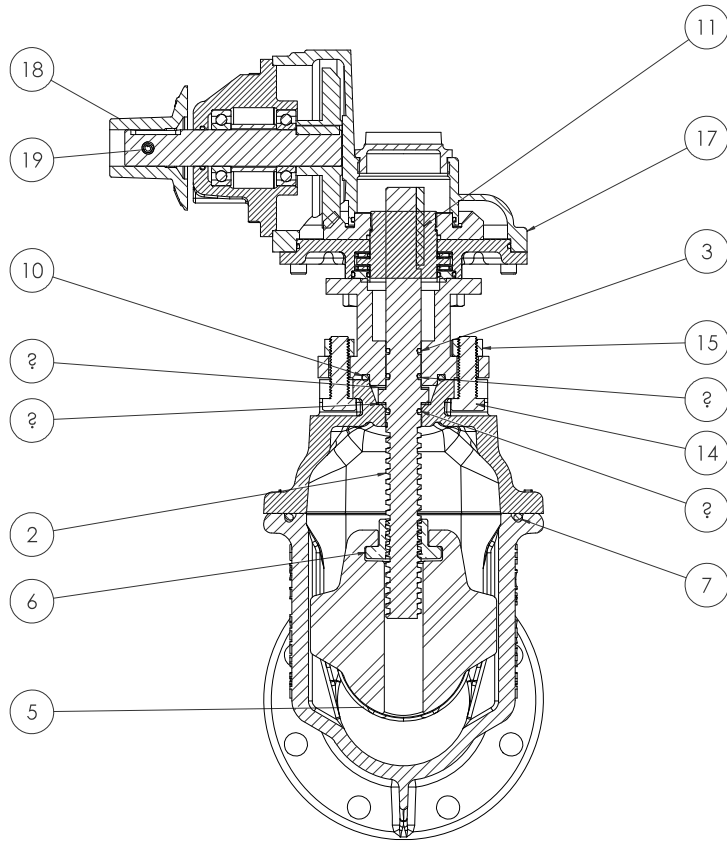


COMPANY: SOLOWORKS ADDRESS: 1201 W. 12th St., Suite 100 Portland, OR 97201 PHONE: 503.251.1000 FAX: 503.251.1001 WWW: www.soloworks.com		PROJECT: 04" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE		SHEET: 3 TOTAL: 7
DATE: 12/1/2020 DRAWN BY: CW CHECKED BY:	REVISIONS:	SCALE: 1:5 DATE: 12/1/2020	PROJECT NO: 2016-SP2	

BARE STEM ASSEMBLY



REVISED DATE: 12/1/2020 BY: CW		DESCRIPTION 04" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE		SCALE 1:5		DATE 12/1/2020		PROJECT 2016 SP2		REV 4 7		APP D	
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COMPANY: AWWA WATERWORKS ADDRESS: 1271/28200 CITY: CHICAGO, IL 60648 PHONE: (773) 399-1000 FAX: (773) 399-1001 WWW: WWW.AWWA-WW.COM		DIVISION: VALVE DIVISION PRODUCT: VALVE MODEL: 1271/28200 MATERIAL: 2004 DI WEIGHT: 150 LBS HEIGHT: 18"		PART NUMBER: 1271/28200 REV: 1 DATE: 12/1/2020		DESCRIPTION: Q4" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE T:10 S:7 D:	
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<u>ITEM NO.</u>	<u>COMPONENT</u>	<u>QTY.</u>	<u>SIZE</u>	<u>STANDARD MATERIAL</u>	<u>MATERIAL OPTIONS</u>
1	BODY	1	-	CAST IRON	DUCTILE IRON
2	STEM	1	-	C86200	C99500 (LOW ZINC), 304 SS, 316 SS
3	O-RING	3	#212	EPDM	BUNA-N
4	THRUST WASHER	2	-	ACETAL	C26000
5	WEDGE	1	-	EPDM/DUCTILE IRON	-
6	STEM NUT	1	-	C87850	C87610 (LOW ZINC)
7	O-RING	1	#437	EPDM	BUNA-N
8	COVER	1	-	CAST IRON	DUCTILE IRON
9	MOTOR MOUNT BRACKET	1	-	COLD ROLLED STEEL	-
10	O-RING	1	#331	EPDM	BUNA-N
11	STEM KEY	1	1/4" X 2 1/2"	COLD ROLLED STEEL	-
12	HEX HEAD CAP SCREW	4	1/2"-13 X 2"	18-8 SS	316 SS
13	HEX NUT	4	1/2"-13	18-8 SS	316 SS
14	HEX HEAD CAP SCREW	2	5/8"-11 X 2"	18-8 SS	316 SS
15	HEX NUT	2	5/8"-11	18-8 SS	316 SS
16	HEX HEAD CAP SCREW	4	5/8"-11 X 1 1/2"	18-8 SS	316 SS
17	BEVEL GEAR	1	-	-	SPUR GEAR
18	OPERATING NUT	1	-	CAST IRON	DUCTILE IRON, C86700, **12" DIA. HANDWHEEL**
19	COILED SPRING PIN	1	10MM X 45MM	18-8 SS	316 SS

- VALVES CONFORM WITH THE FOLLOWING STANDARDS
 - AWWA C509
 - NSF 61
- LOW ZINC BRASS STEM AND STEM NUT AVAILABLE
- 100% DOMESTIC FASTENERS AND ORINGS OPTIONS AVAILABLE
- *OPEN LEFT* (COUNTERCLOCKWISE) AND *OPEN RIGHT* (CLOCKWISE) OPTIONS AVAILABLE
- TURNS TO OPEN FROM FULLY CLOSED: 12
- AWWA MAXIMUM ALLOWABLE CLOSING TORQUE 75 FT-LBS INTO GEAR
- OPTIONAL HANDWHEEL CAN BE SUBSTITUTED FOR STANDARD 2" SQUARE OP. NUTS.
 - **NOTE: STANDARD HANDWHEEL SIZE LISTED OUT IN PARTS LIST.**

<small> COMPANY: SOLOWORKS ADDRESS: 12211 130th Ave SE, Everett, WA 98203 PHONE: (425) 336-7777 FAX: (425) 336-7778 WWW: www.soloworks.com </small>		<small> COMPANY: SOLOWORKS ADDRESS: 12211 130th Ave SE, Everett, WA 98203 PHONE: (425) 336-7777 FAX: (425) 336-7778 WWW: www.soloworks.com </small>		<small> COMPANY: SOLOWORKS ADDRESS: 12211 130th Ave SE, Everett, WA 98203 PHONE: (425) 336-7777 FAX: (425) 336-7778 WWW: www.soloworks.com </small>	
<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>	<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>	<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>	<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>	<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>	<small> DATE: 12/1/2020 TIME: 10:00 AM USER: JLD </small>
<small> TITLE: 04" C509 NRS GEARED LBS. RESILIENT WEDGE GATE VALVE </small>			<small> TITLE: T110 SOLOWORKS 2016 SPZ </small>		
<small> DRAWING NO: 6 </small>			<small> DRAWING NO: 7 </small>		