

Building connections that last™



Kennedy Valve® Series 7000

UL/FM AWWA C515 Wedge Gate Valve
200 PSI (UL/FM), 250 PSI (Water Works)

Designed for the Fire
Protection Industry





KENNEDY VALVE



2 1/2"-12" Resilient Wedge Gate Valve Model KSRW & KSFW , Figure 7000 General Dimensions

Non- rising stem (NRS) applications come standard with 304 stainless steel fastener system and all OS&Y applications are manufactured with plated steel fasteners. Other fastener materials are available for most NRS and OS&Y configurations upon request.

All OS&Y valves are manufactured with pre-grooved stems to accommodate tamper switches furnished by others.

Based upon specific configuration, valves can be compliant with AIS, Buy America or Buy American.

2 1/2" - 3" sizes valves conform to AWWA C509 cast in ductile iron

4" - 12" sizes valves conform to AWWA C515 cast in ductile iron



Notes: *Flanged Ends: ASME Class 125 (standard)*

Grooved Ends: IPS grooves per ANSI/AWWA C606 (standard)

Stems:

NRS - ASTM B584 Cast Bronze (standard)

OS&Y - ASTM A479 304 stainless steel (standard)

Optional stem materials available upon request

Valve Body Taps:

*KSRW valves can be tapped at up to four locations - A, B, E, F, see drawings
older production may have 1/2" taps throughout*

END CONNECTIONS	STEM TYPE	SIZE RANGE	FIGURE NO.	w/ POST PLATE	PAGE
Flanged Ends	Non-Rising	3"-12"	7561SS	7701SS	6
Mechanical Joint	Non-Rising	3"-12"	7571SS	7071SS	7
Flange x Mechanical Joint	Non-Rising	3"-12"	7572SS	7702SS	8
Flanged Ends	OS&Y	2 1/2" -12"-	7068A	N/A	9
Flanged Ends	OS&Y w/Tamper	2 1/2"-12"	7068AKVOS		9,16
Threaded	Non-Rising	3"	7057SS	7057PSS (3" only)	10
Threaded	OS&Y	2 1/2"-3"	7067	N/A	11
Threaded	OS&Y w/Tamper	2 1/2"-3"	7067KVOS	N/A	11,16
Flange x Groove	OS&Y	2 1/2"-8"	7092ABF	N/A	12
Flange x Groove	OS&Y w/Tamper	2 1/2"-8"	7092ABFKVOS	N/A	12,16
Grooved Ends	OS&Y	2 1/2"-12"	7093ABF*	N/A	13
Grooved Ends	OS&Y w/Tamper	2 1/2"-12"	7093ABFKVOS*	N/A	13,16
Flange x Groove	Non-Rising	2 1/2"-8"	7592ABF	7592PABF	14
Grooved Ends	Non-Rising	2 1/2"-12"	7593ABF*	7593PABF	15

Other end conditions available upon request

** 10-12" ONLY, UL LISTING PENDING*

SIZE RANGE	RATED WORKING PRESSURE PSI	HYDROSTATIC	
		SEAT TEST PSI	SHELL TEST PSI
AWWA 2"-12"	250	300	500
ULFM 2 1/2"-12"	200	300	500

ACCESSORIES

Indicator Posts

"T" Handles"

Stem Guides

2" Sq. Operating Nuts

Floorstands (Non-Rising Stem)

Handwheels

Extension Stems

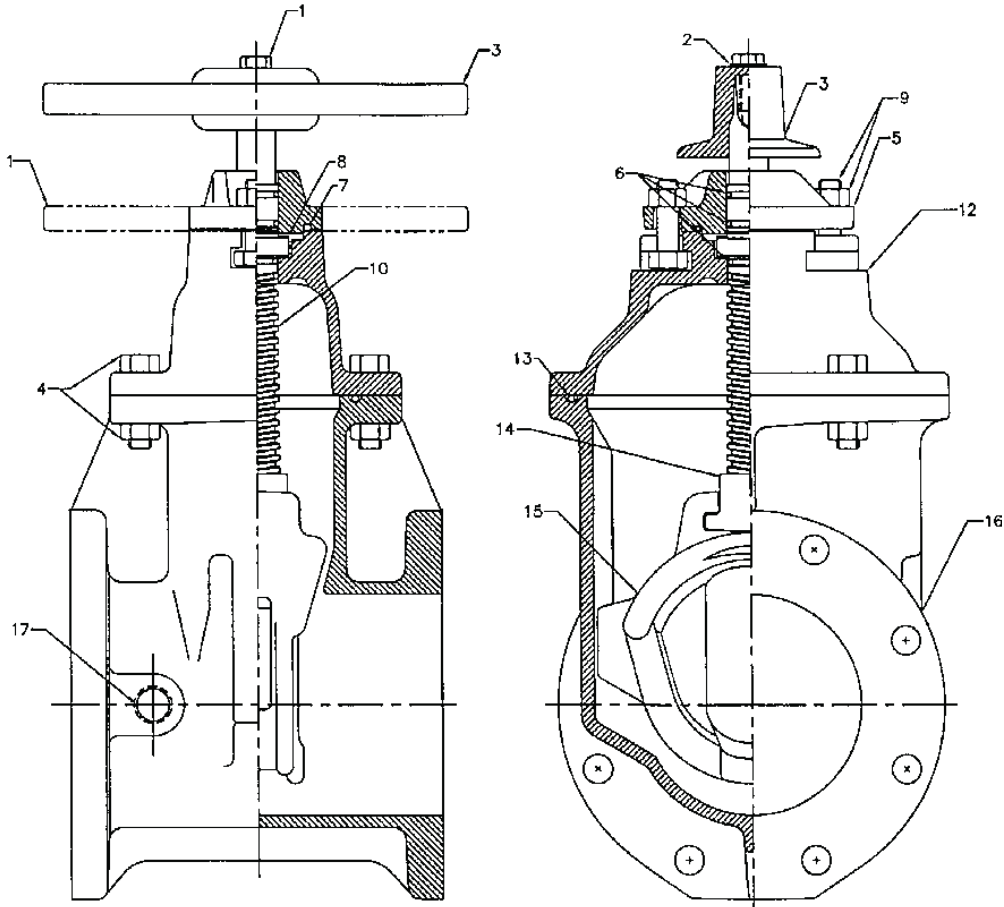
Chain Wheels





KENNEDY VALVE

3"-12" Resilient Seated Gate Valve Model KSRW, Figure 7000 Non-Rising Stem - Material List



ITEM	DESCRIPTION	MATERIAL	ASTM SPEC.
1	Hex Head Bolt	Stainless Steel	ASTM F593C
2	Flat Washer	Stainless Steel	ASTM F593C
3	Operating Nut or Handwheel	Cast Iron	ASTM A126 / A536
4	Hex Head Bolts & Nuts	Stainless Steel	ASTM F593/F594
5	Stuffing Box	2-12" Ductile Iron	ASTM A536 Grade 70-50-5
6	Stem O-Ring	EPDM	ASTM D2000
7	Stuffing Box O-Ring/gasket	EPDM	ASTM D2000
8	Thrust Washer Bearing	Delrin	-----
9	Hex Head Bolts & Nuts	Stainless Steel	ASTM F593C/F594
10	Stem	Bronze	ASTM B584, C86700
11	Indicator Post Plate (Optional 3-12")	Ductile Iron	ASTM A536 Grade 70-50-5
12	Cover	Ductile Iron	ASTM A536 Grade 70-50-5
13	Cover O-Ring	EPDM	-----
14	Stem Nut	Bronze (NDZ)	ASTM B763, C99500
15	Wedge (EPDM Encapsulated)	Ductile Iron	ASTM A536 Grade 70-50-5
16	Body - all types	Ductile Iron	ASTM A536 Grade 70-50-5
17	Pipe Plug	Low Carbon Steel	-----

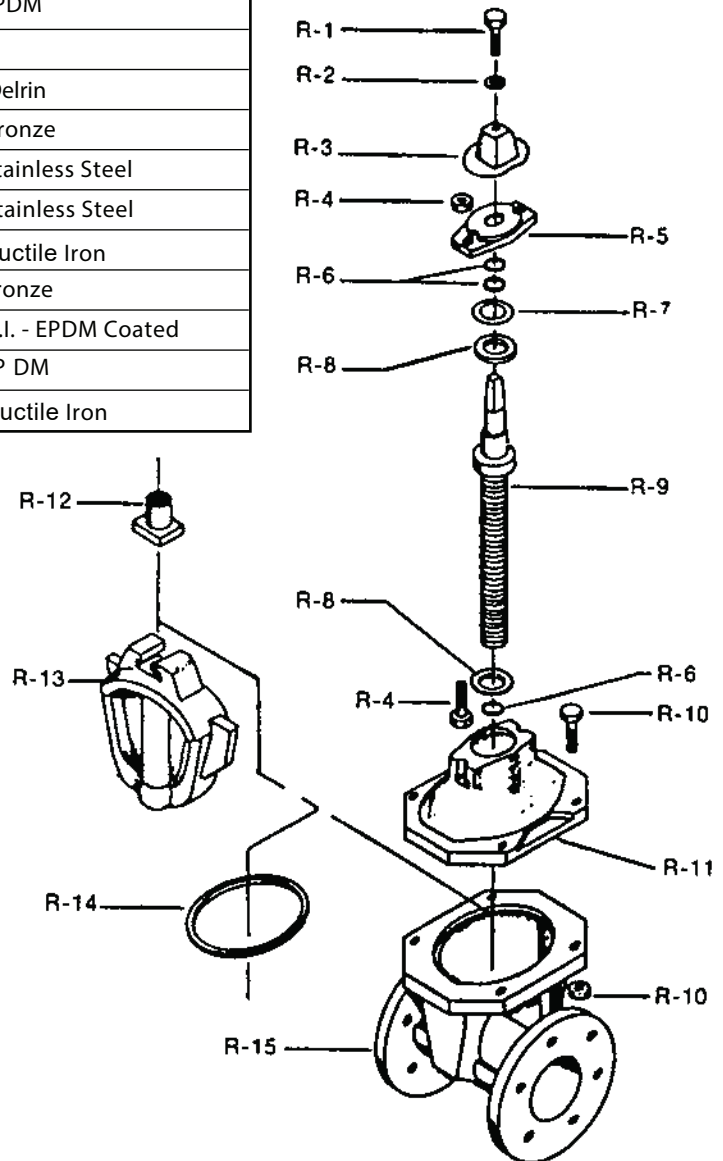


KENNEDY VALVE

3"-12" Resilient Seated Gate Valve
Model KSRW, Figure 7000
Non-Rising Stem - Assembly Explosion



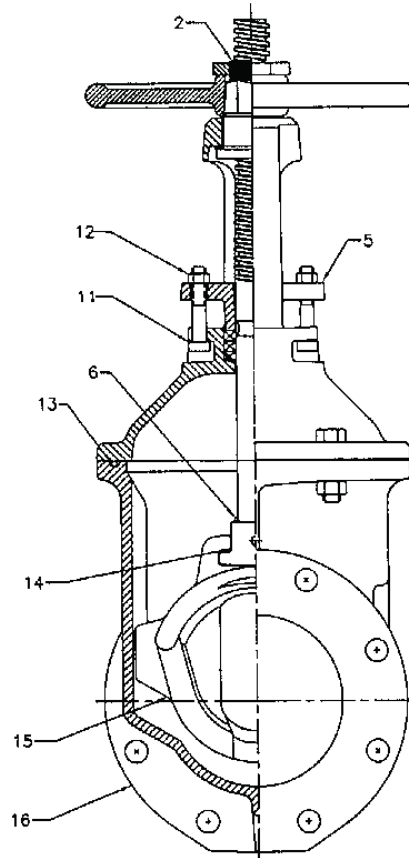
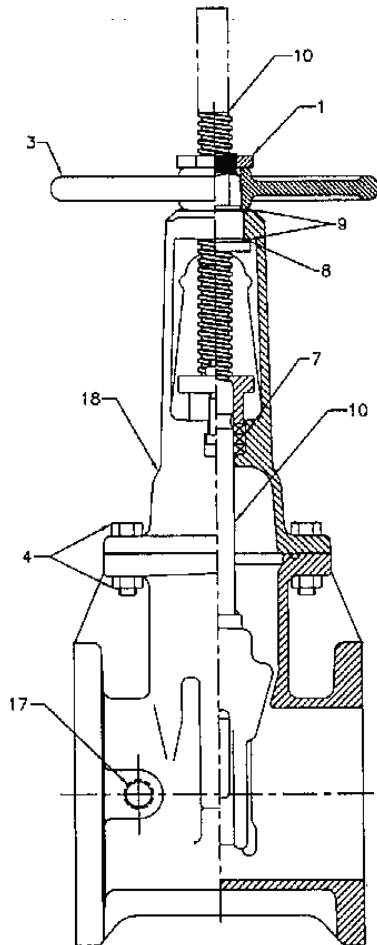
DET.	QTY.	DESCRIPTION	MATERIALS
R-1	1	Hold Down Hex Bolt	Stainless Steel
R-2	1	Hold Down Bolt Washer	Zinc Plated Steel
R-3	1	Sq. Operating Nut OR Handwheel (Not Shown)	Cast Iron
R-4	2	Bolt & Nut (Stuffing Box)	Stainless Steel
R-5	1	Stuffing Box (10" & 12" D.I.)	Ductile Iron
R-6	3	O-Ring (Stem) 1 Below Collar	EPDM
R-7	1	O-Ring (Stuffing Box)	EPDM
R-8	1	Thrust Washer (Sizes 2" - 2 1/2")	
	2	Thrust Washer (Sizes 3" thru 12")	Delrin
R-9	1	Stem	Bronze
R-10	4	Cover Bolts & Nuts (Sizes 2" thru 6")	Stainless Steel
	8	Cover Bolts & Nuts (Sizes 8" thru 12")	Stainless Steel
R-11	1	Cover	Ductile Iron
R-12	1	Stem Nut	Bronze
R-13	1	Wedge Disc	D.I. - EPDM Coated
R-14	1	O-Ring (Cover)	EP DM
R-15	1	Body	Ductile Iron





KENNEDY VALVE

2 1/2"-12" Resilient Seated Gate Valve Model KSRW, Figure 7000 OS&Y - Material List



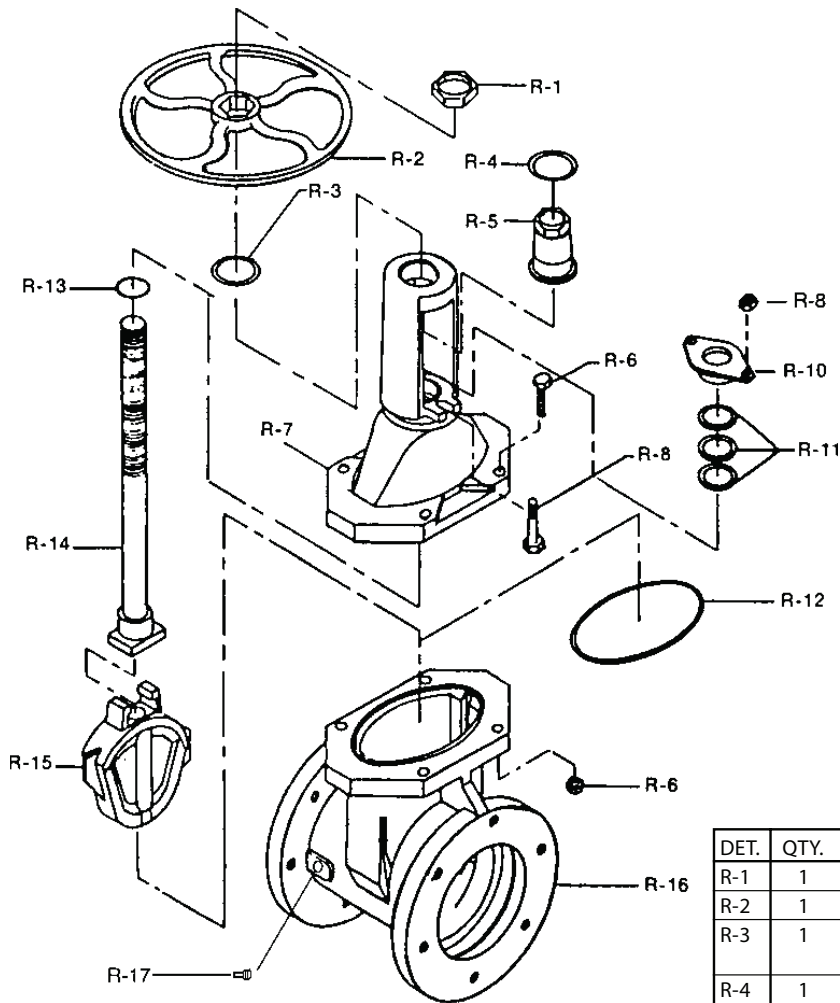
PIPE PLUG STANDARD ON FLANGE & GROOVE VALVES @ POSITION "A"

ITEM	DESCRIPTION	MATERIAL	ASTM SPEC.
1	Handwheel Nut	Bronze	ASTM B584 C87850/C87610
2	Top Stem Nut	Bronze	ASTM B584 C86700
3	Handwheel	Ductile Iron	ASTM A536 Grade 65-45-12
4	Hex Head Bolts & Nuts	Zinc Plated Steel	Grade 2 SAE J429
5	Packing Gland	Ductile Iron	ASTM A536 70-50-5
6	Stem O-Ring	Buna N	ASTM D2000
7	Packing	Lubricated Fiber	
8	Thrust Washer Bearing	Nylatron	-----
9	Thrust Washer (1 only on 2"-4")	Bronze	ASTM B36 C260
10	Stem	Stainless Steel	ASTM A276 Type 304
11	Packing Bolts	Zinc Plated Steel	Grade 2 SAE J429
12	Packing Bolt Nuts	Brass	ASTM F467
13	Cover O-Ring	Buna N	ASTM D2000
14	Stem Head with pin	Stainless Steel	ASTM A276 Type 304
15	Wedge	D.I. EPDM Coated	ASTM A536 70-50-5
16	Body - all types	Ductile Iron	ASTM A536 70-50-5
17	Pipe Plug	Low Carbon Steel	-----
18	Cover	Ductile Iron	ASTM A536 - -



KENNEDY VALVE

2 1/2"-12" Resilient Seated Gate Valve Model KSRW, Figure 7000 Assembly Explosion - OS&Y



DET.	QTY.	DESCRIPTION	MATERIALS
R-1	1	Handwheel Hold Down Nut	Bronze
R-2	1	Handwheel	Ductile Iron
R-3	1	Upper Thrust Washer (Sizes 3" thru 12")	Bronze
R-4	1	Lower Thrust Washer	Bronze
R-5	1	Yoke Nut	Bronze
R-6	4	Cover Bolts & Nuts (Sizes 2-1/2" thru 6")	Zinc Plated Steel
R-6	8	Cover Bolts & Nuts (Sizes 8" thru 12")	Zinc Plated Steel
R-7	1	Cover	Cast Iron
R-8	2	Packing Bolts	Zinc Plated Steel
R-8	2	Packing Bolt Nuts	Brass
R-10	1	Packing Gland	Ductile Iron
R-11		Packing	Sq. Braided Polymer
R-12	1	O-Ring (Cover)	Buna-N
R-13	1	O-Ring (Stem)	Buna-N
R-14	1	Stem -- pre-grooved	Stainless
R-15	1	Wedge Disc	D.I. - EPDM Coated
R-16	1	Body	Ductile Iron
R-17	1	Pipe Plug	Low Carbon Steel



KENNEDY VALVE

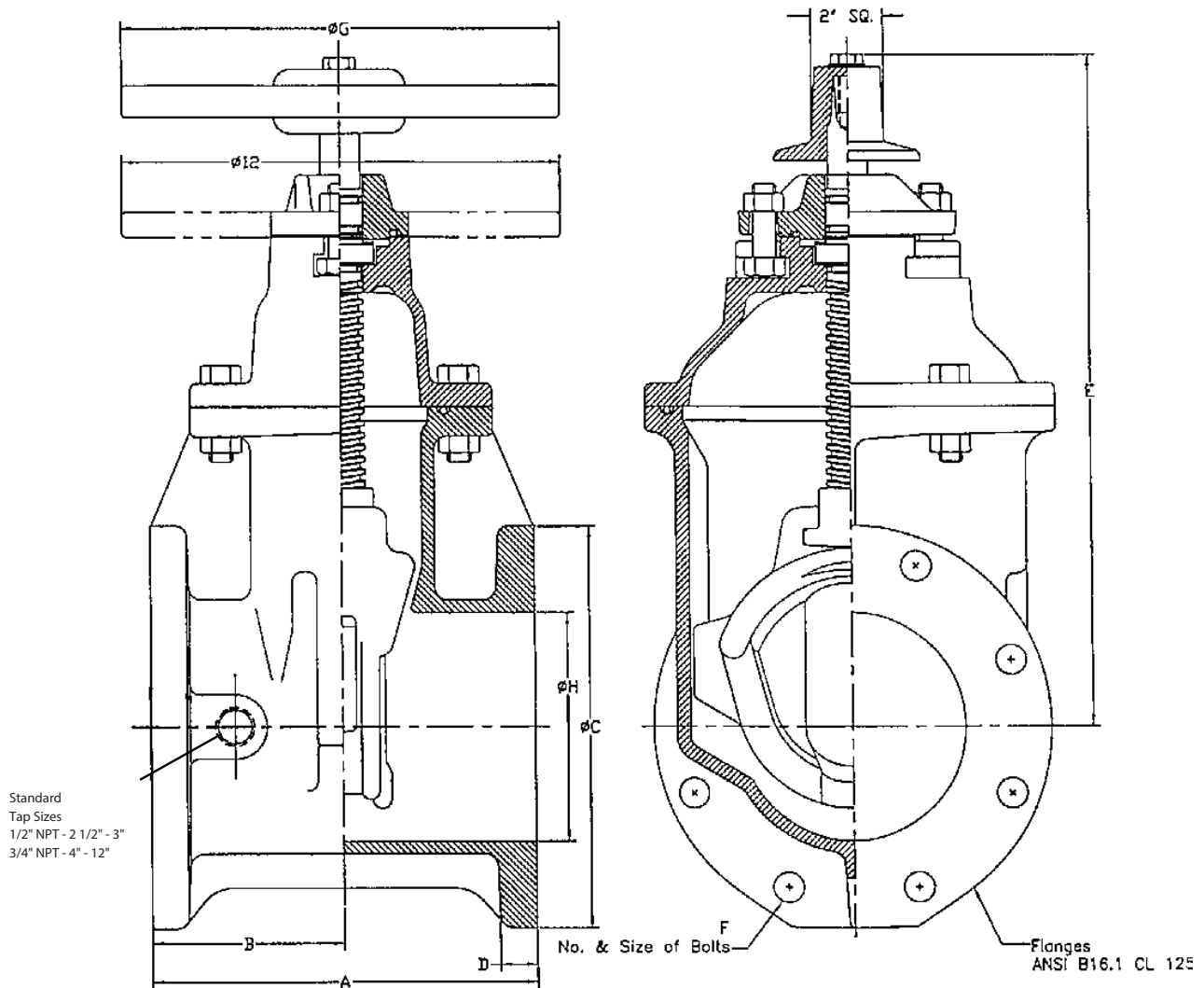


3"-12" Resilient Seated Gate Valve KS RW Non-Rising C515 Flange Ends General Dimensions

Fig. 7561ASS (with Handwheel)

Fig. 7561ANSS (with Nut)

Fig. 7701ASS (with Post Plate for 3"-12")



ALL VALUES EXPRESSED IN INCHES										FIGURE WEIGHTS		
ALL FLANGE VALVES ARE TAPPED & PLUGGED @ POSITION "A"												
SIZE	A*	B	C	D	E	F (qty)	F	G	H	7561ASS	7561ANSS	7701ASS
3	8	4	7 1/2	3/4	12 3/8	4	5/8	10	3	68	65	79
4	9	4 1/2	9	15/16	14 3/4	4	5/8	10	4 1/4	82	78	102
6	10 1/2	5 1/4	11	1	19	8	3/4	12	6 1/4	126	119	139
8	11 1/2	5 3/4	13 1/2	1 1/8	22 1/2	8	3/4	14	8 1/4	201	191	208
10	13	6 1/2	16	1 3/16	26 1/2	12	7/8	18	10 1/4	357	341	340
12	14	7	19	1 1/4	30	12	7/8	18	12 1/4	449	432	445

* Face to face dimensions (inch) conform to ASME B16.10



KENNEDY VALVE



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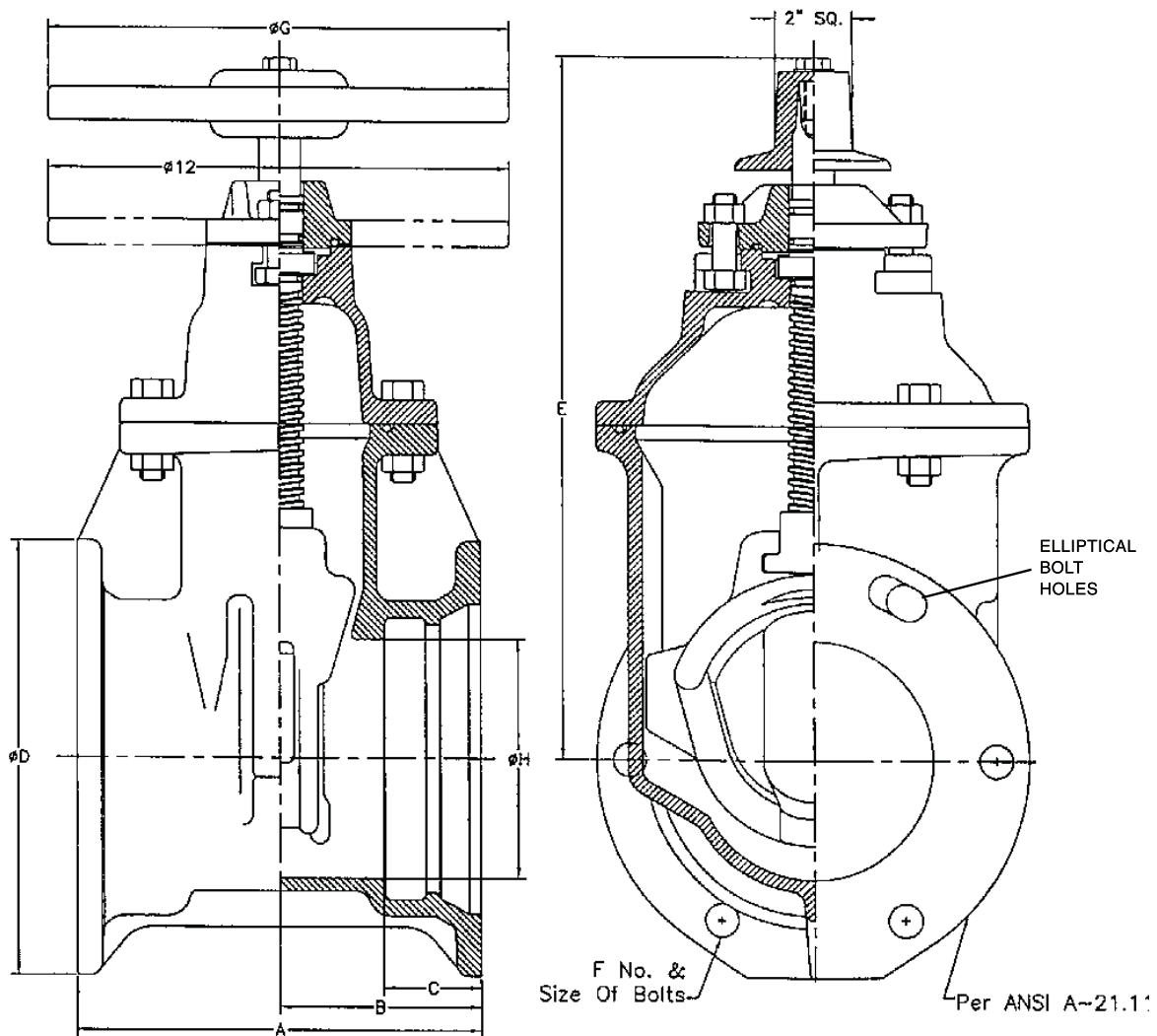


Certified to
NSF/ANSI 61 & 372

3"-12" Resilient Seated Gate Valve KS RW Non-Rising C515 Mechanical Joint General Dimensions

Fig. 7571SS

Fig. 7071SS (with Post Plate for 3"-12")



VALVE SIZE	A	B	C	D	E	F	G	H	FIGURE WEIGHT	
									7571SS	7071SS
3	8 1/2	4 1/4	2 1/2	7 3/4	12 3/8	4 5/8	10	3	59	60
4	9 1/2	4 3/4	2 1/2	9 1/8	14 3/4	4 3/4	10	4 1/4	70	90
6	10 1/2	5 1/4	2 1/2	11 1/8	19	6 3/4	12	6 1/4	110	128
8	13 1/8	6 9/16	2 1/2	13 3/4	22 1/2	6 3/4	14	8 1/4	164	188
10	15 1/2	7 3/4	2 1/2	15 3/4	26 1/2	8 3/4	18	10 1/4	287	302
12	16	8	2 5/8	18	30	8 3/4	18	12 1/4	362	384



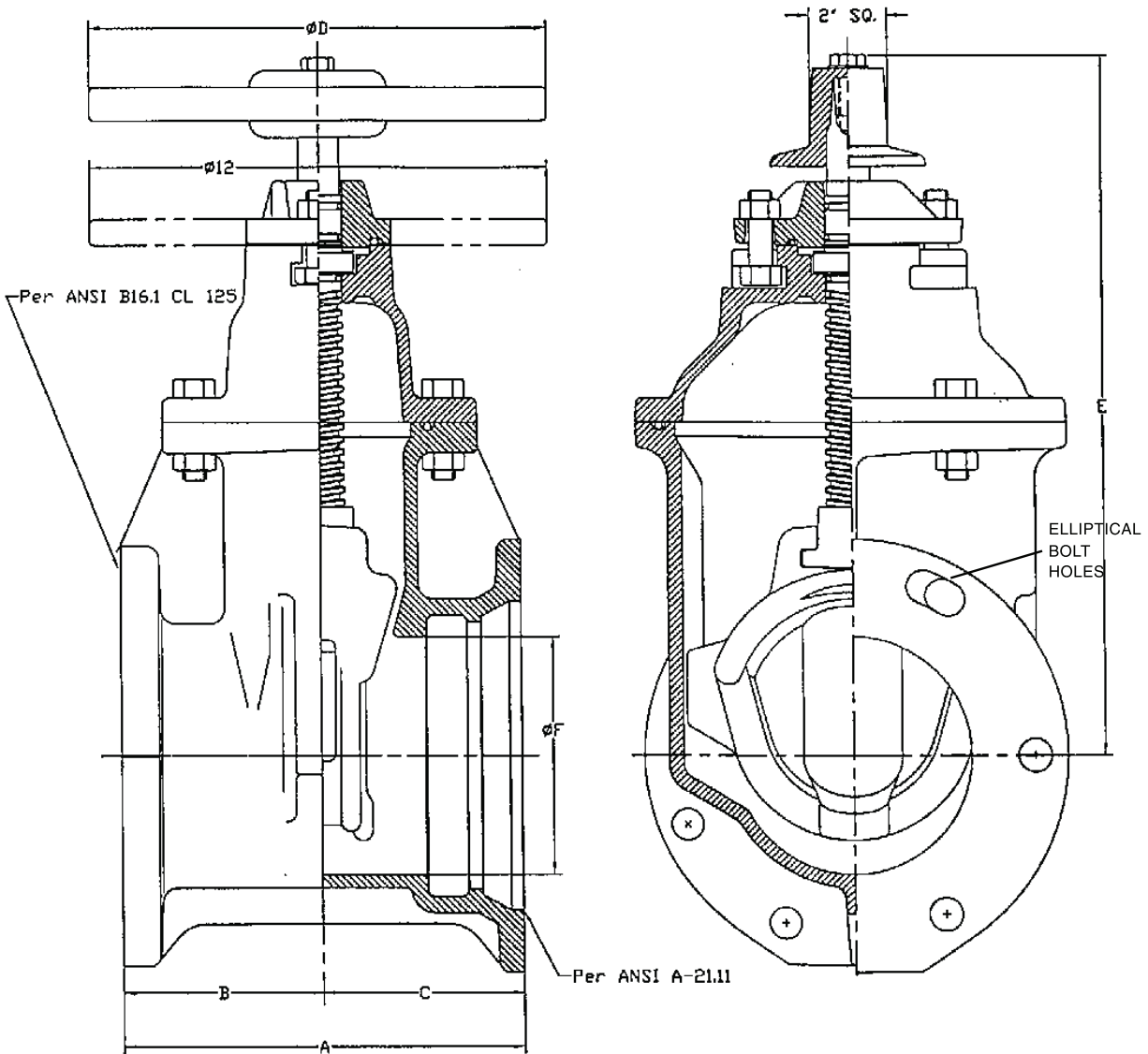
KENNEDY VALVE



3"-12" Resilient Seated Gate Valve KS RW Non-Rising C515 Flange x Mechanical Joint General Dimensions

Fig. 7572SS

Fig. 7702SS (with Post Plate)



ELLIPTICAL BOLT HOLE DESIGN ELIMINATES THE NEED FOR ANTI-ROTATIONAL BOLTS

VALVE SIZE	A	B	C	D	E	F	FIGURE WEIGHT	
							7572SS	7071SS
3	8 1/4	4	4 1/4	10	12 3/8	3	55	60
4	9 1/4	4 1/2	4 3/4	10	14 3/4	4 1/4	75	90
6	10 1/2	5 1/4	5 1/4	12	19	6 1/4	111	128
8	12 5/16	5 3/4	6 9/16	14	22 1/2	8 1/4	180	188
10	14 1/4	6 1/2	7 3/4	18	26 1/2	10 1/4	316	302
12	15	7	8	18	30	12 1/4	397	384

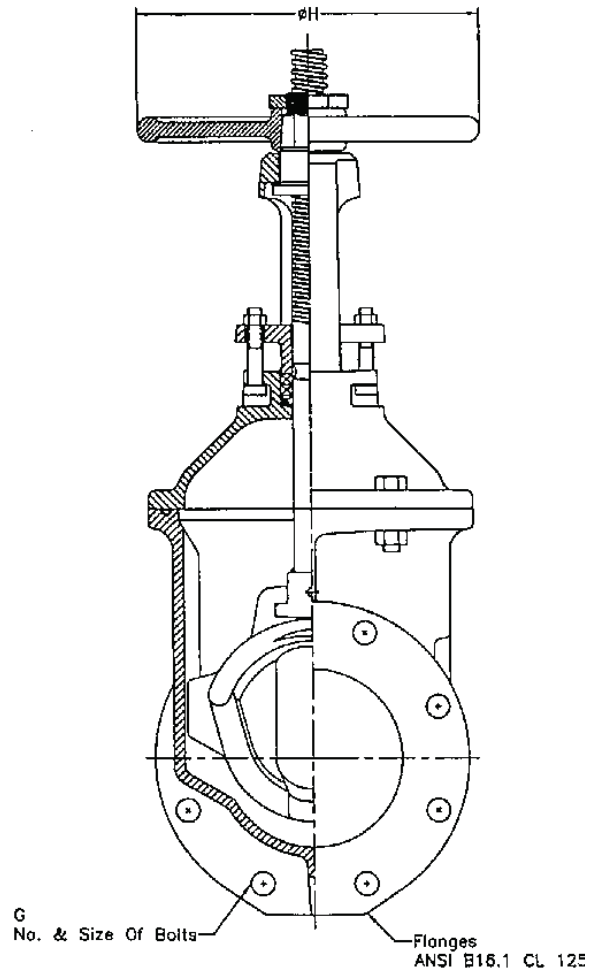
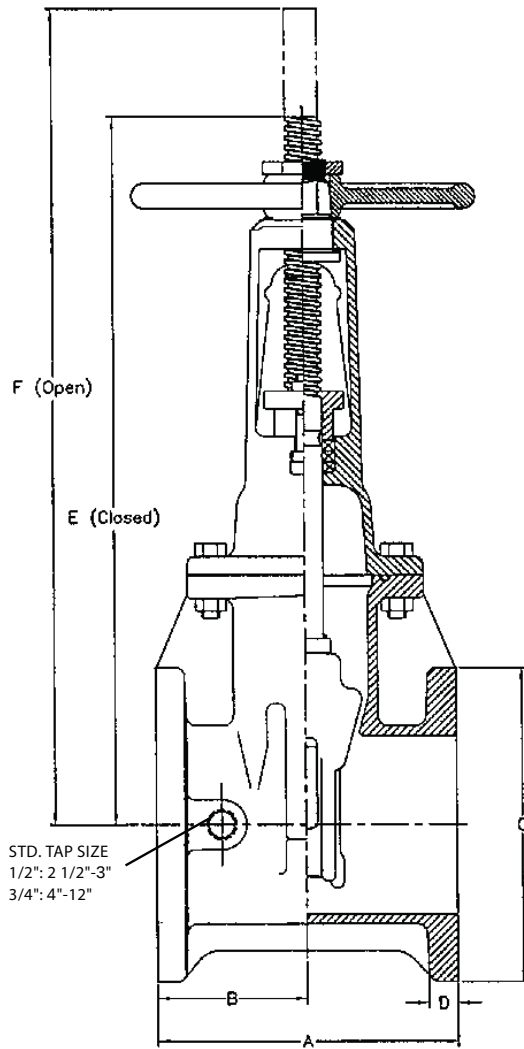


KENNEDY VALVE



2 1/2"-12" Resilient Seated Gate Valve KS RW OS&Y C515 Flange Ends General Dimensions

Fig. 7068A



VALVE SIZE	A	b	C	D	E	F	G	H	WEIGHT
2 1/2	7 1/2	3 3/4	7	11/16	13 7/8	16 3/8	4 5/8	7 1/4	51
3	8	4	7 1/2	3/4	15 5/8	18 7/8	4 5/8	10	64
4	9	4 1/2	9	15/16	18 1/4	22 3/4	8 5/8	1	105
6	10 1/2	5 1/4	11	1	23 3/4	30 1/8	8 3/4	12	152
8	11 1/2	5 3/4	13 1/2	1 1/8	29 1/4	37 3/4	8 3/4	14	253
10	13	6 1/2	16	1 3/16	35 3/8	45 3/4	12 7/8	18	427
12	14	7	19	1 1/4	40 5/8	53 1/8	12 7/8	18	581



KENNEDY VALVE



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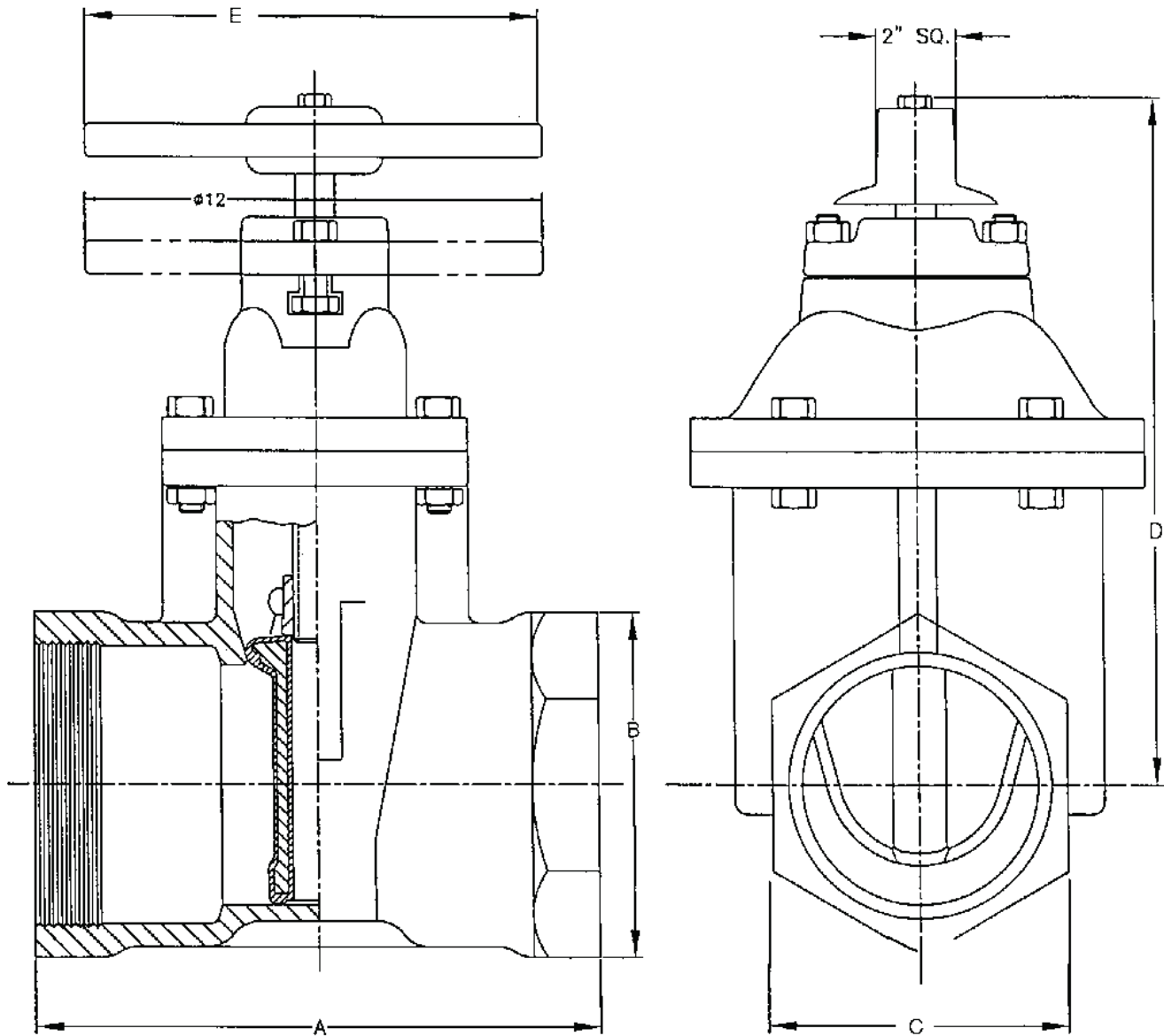


Certified to
NSF/ANSI 61 & 372

3" Resilient Seated Gate Valve KS RW Non-Rising C515 Threaded Ends General Dimensions

Fig. 7057SS

Fig. 7057WSS (with Handwheel)



VALVE SIZE	A	B	C	D	E	WEIGHT
3	7 1/8	5 5/8	4 7/8	12 3/8	10	46



KENNEDY VALVE



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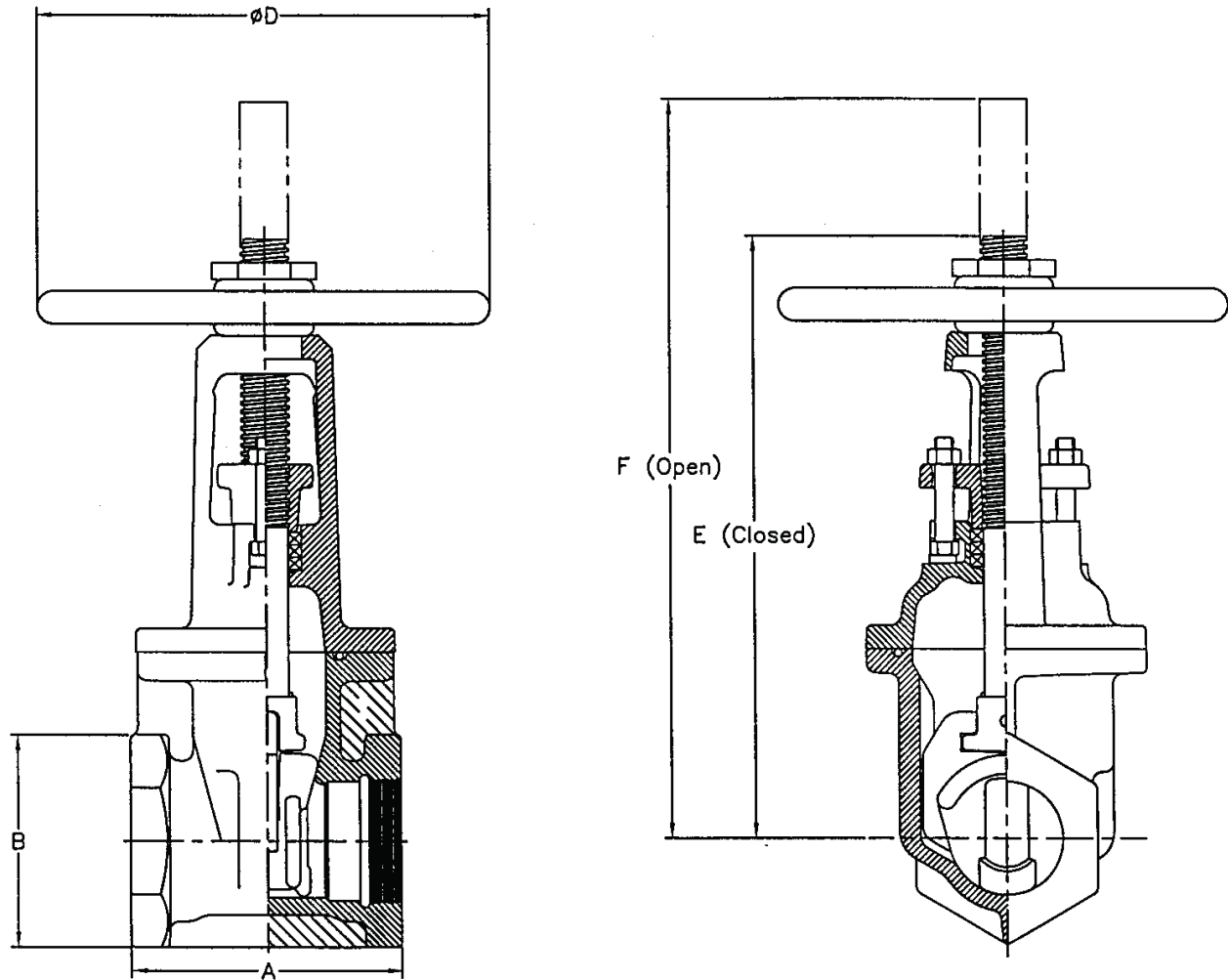
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Certified to
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2 1/2"-3" Resilient Seated Gate Valve
KS RW OS&Y C515
Threaded Ends
General Dimensions

Fig. 7067

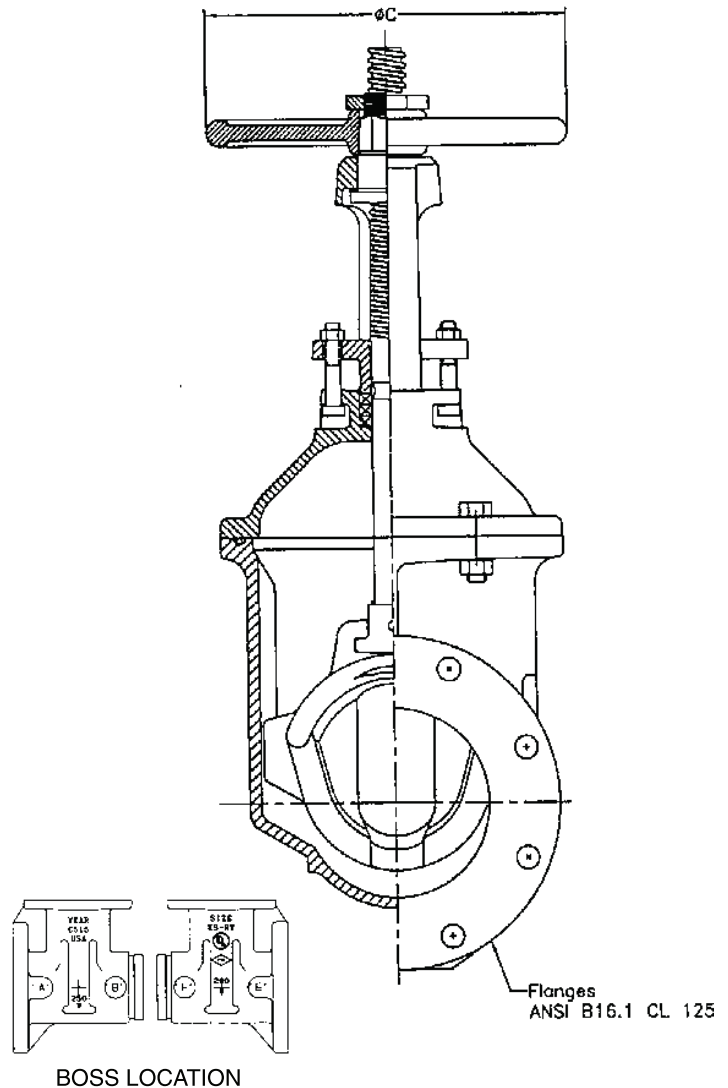
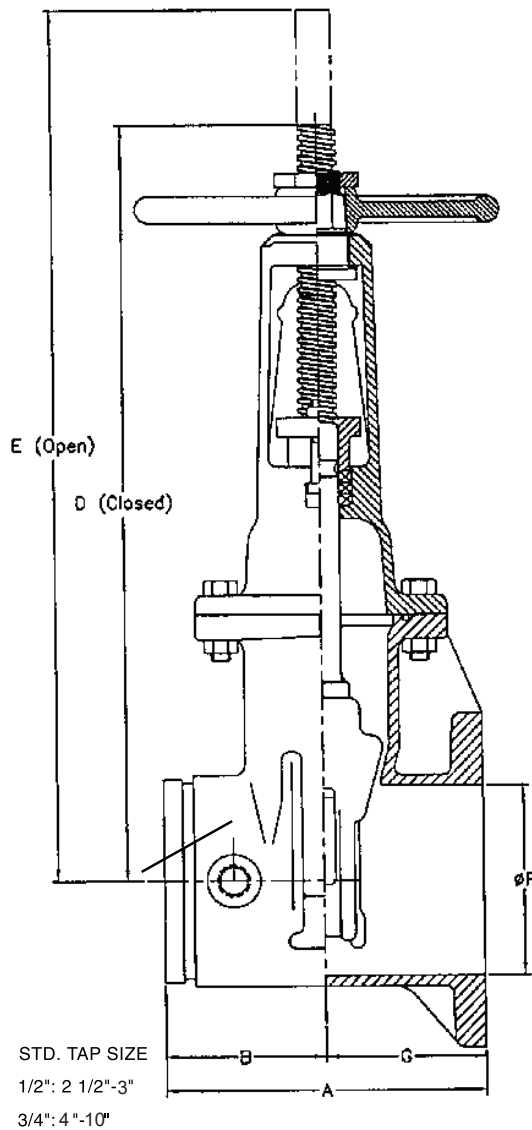


VALVE SIZE	A	B	D	E	F	WEIGHT
2 1/2	7	5 3/16	7 1/4	13 7/8	16 3/8	40
3	7 1/2	5 3/16	10	15 5/8	18 7/8	5 2



2 1/2"-10" Resilient Seated Gate Valve KS RW OS&Y C515 Flange x Groove General Dimensions

Fig. 7092ABF



VALVE SIZE	A	B	C	D	E	F	G	WEIGHT
2 1/2	7 1/2	3 3/4	7 1/4	13 7/8	16 3/8	2 1/2	3 3/4	45
3	8	4	10	15 5/8	18 7/8	3	4	57
4	9	4 1/2	10	18 1/4	22 3/4	4 1/4	4 1/2	77
6	10 1/2	5 1/4	12	23 3/4	30 1/8	6 1/4	5 1/4	115
8	11 1/2	5 3/4	14	29 1/4	37 ¾	8 1/4	5 3/4	171
10	13	6 1/2	16	35 3/8	45 3/4	10 1/4	6 1/2	330

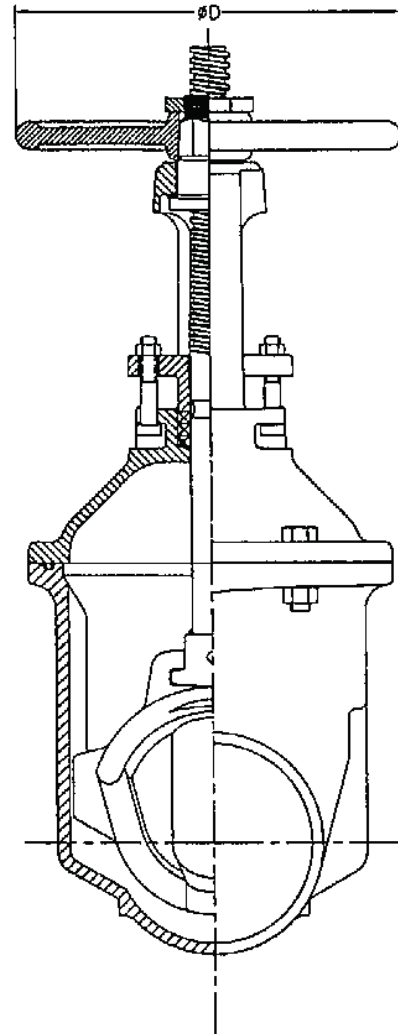
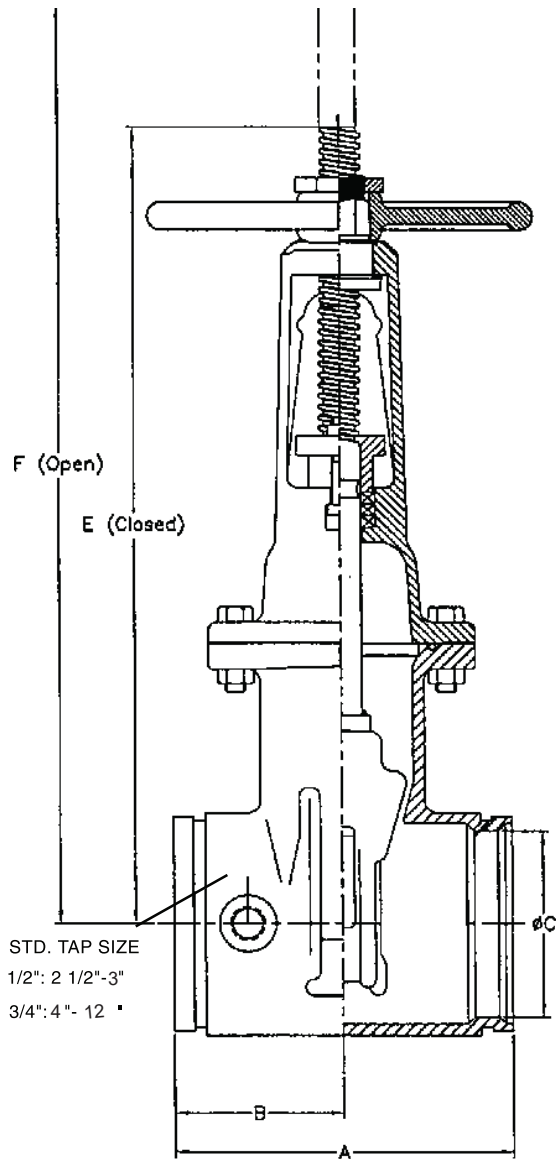


KENNEDY VALVE



2 1/2"- 12" Resilient Seated Gate Valve KS RW OS&Y C515 Groove Ends General Dimensions

Fig. 7093A



VALVE SIZE	A	B	C	D	E	F	WEIGHT
2 1/2	7 1/2	3 3/4	1.97	7 1/4	13 7/8	16 3/8	37
3	8	4	2.63	10	15 5/8	18 7/8	48
4	9	4 1/2	3.75	10	18 1/4	22 3/4	74
6	10 1/2	5 1/4	5.80	12	23 3/4	30 1/8	103
8	11 1/2	5 3/4	7.67	14	29 1/4	37 3/4	139
10*	13	6 1/2	9.80	18	35 3/8	45 3/4	294
12*	14	7	11.74	18	40 5/8	53 1/8	T.B.D

*10 and 12" UL Listed Pending

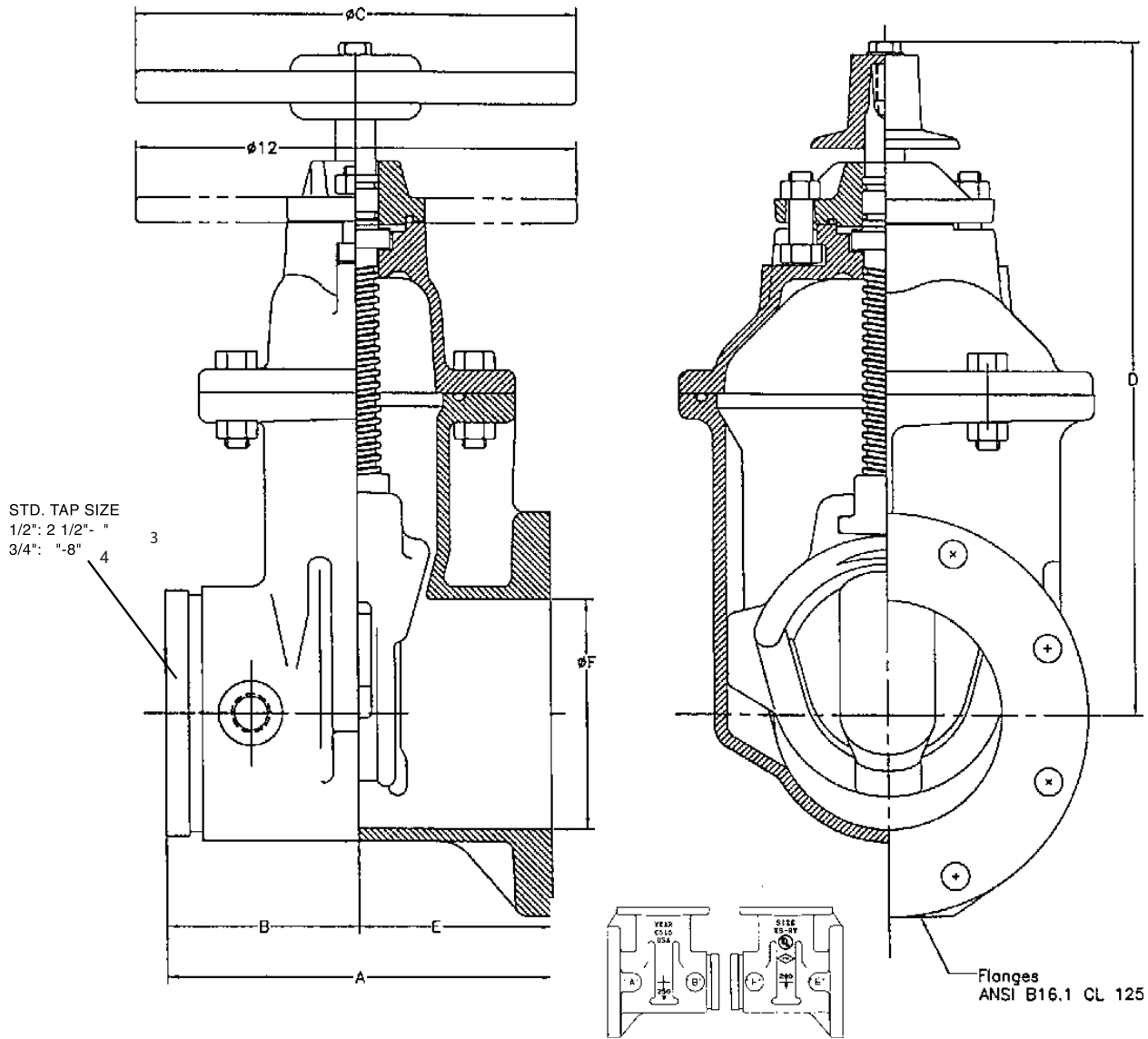


KENNEDY VALVE



2 1/2"-8" Resilient Seated Gate Valve KS RW Non-Rising C515 Groove x Flange Ends General Dimensions

Fig. 7592ABF
Fig. 7592PABF



VALVE SIZE	A	B	C	D	E	F	WEIGHT 7592ABF 7592PABF	
2-1/2	7-1/2	3-3/4	7-1/4	11-3/8	3-3/4	2-1/2	44	69
3	8	4	10	12-3/8	4	3	55	91
4	9	4-1/2	10	14-3/4	4-1/2	4-1/4	77	143
6	10-1/2	5-1/4	12	19	5-1/4	6-1/4	119	184
8	11-1/2	5-3/4	14	22-1/2	5-3/4	8-1/4	177	265



KENNEDY VALVE

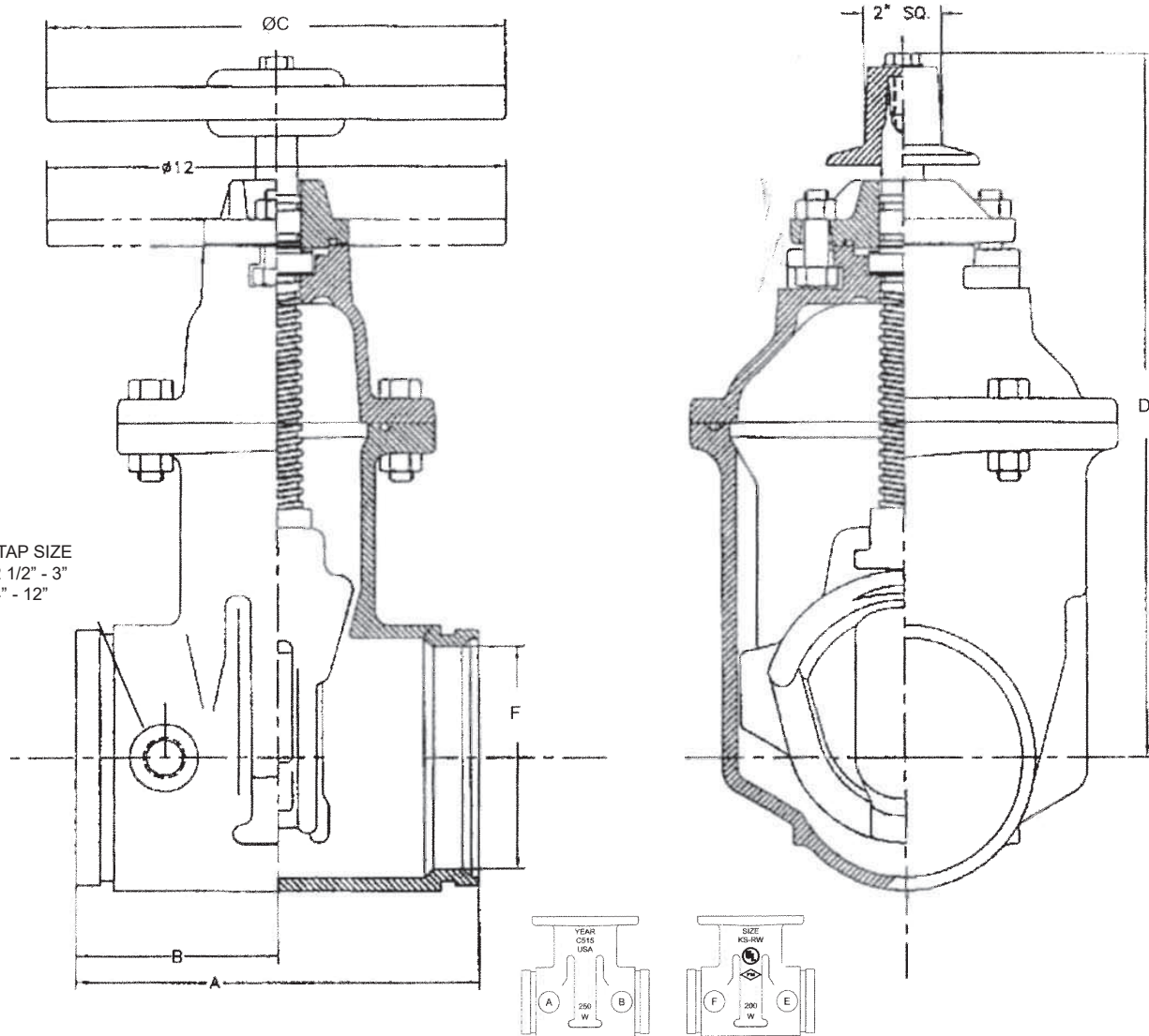


2 1/2"-12" Resilient Seated Gate Valve KS RW Non-Rising C515 Groove Ends General Dimensions

Fig. 7593ABF

Fig. 7593PABF

STD. TAP SIZE
1/2": 2 1/2" - 3"
3/4": 4" - 12"



GRV X GRV VALVES ARE TAPPED & PLUGGED @ POSITIONS A, B AND F

VALVE SIZE	A	B	C	D	F	WEIGHT	
						7593ABF	7593PABF
2-1/2	7-1/2	3-3/4	7-1/4	10-7/8	1.97	44	60
3	8	4	10	12-3/8	2.63	46	60
4	9	4-1/2	10	14-3/4	3.75	74	88
6	10-1/2	5-1/4	12	19	5.80	106	124
8	11-1/2	5-3/4	14	22-1/2	7.67	145	151
10	13	6-1/2	18	26-1/2	9.80	283	265
12	14	7	18	12-1/4	30	T.B.D.	T.B.D.



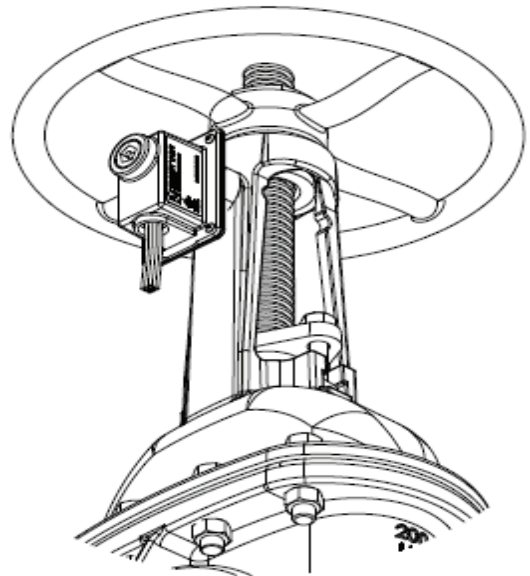
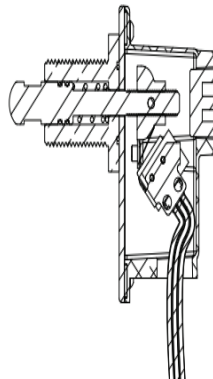
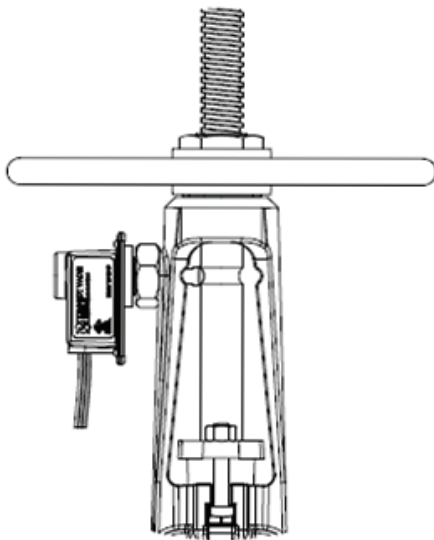
KENNEDY VALVE



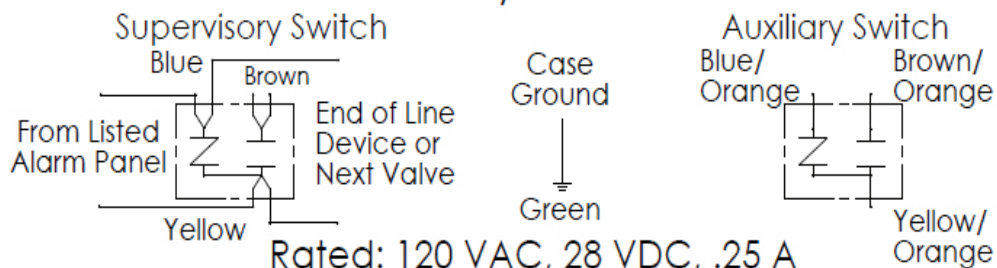
Resilient Seated Gate Valves w/KVOS (Factory Installed Tamper) KSRW OS&Y

Flanged, Flanged x Groove, Groove & Threaded Ends
General Information

Fig. 7068AKVOS, 7067KVOS, 7092ABFKVOS, 7093ABFKVOS



KVOS-2 FOR KSRW/KSRWHP 3"-12"



Wiring Notes:

Connection to power limited circuitry is required.
Auxiliary switch is for supplemental use only, and shall not be used for fire alarm signaling applications
Switches are checked at factory, check continuity with valve fully open, switches activate within two turns from open

CAUTION

PRIOR TO INSTALLATION OF SUPERVISORY SWITCHES IN FIRE PROTECTION SYSTEMS REFER TO THE FOLLOWING STANDARDS:

NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
NFPA 25: INSPECTION, TESTING, MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS
NFPA 70: NATIONAL ELECTRICAL CODE
NFPA 72: NATIONAL FIRE ALARM CODE
CSA C22.1 NO.1 CANADIAN ELECTRICAL CODE, PART 1, SAFETY STANDARD FOR ELECTRICAL INSTALLATIONS SECTION 32
CAN/ULC-S524, STANDARD FOR INSTALLATION OF FIRE ALARM SYSTEMS

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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Building connections that last™

