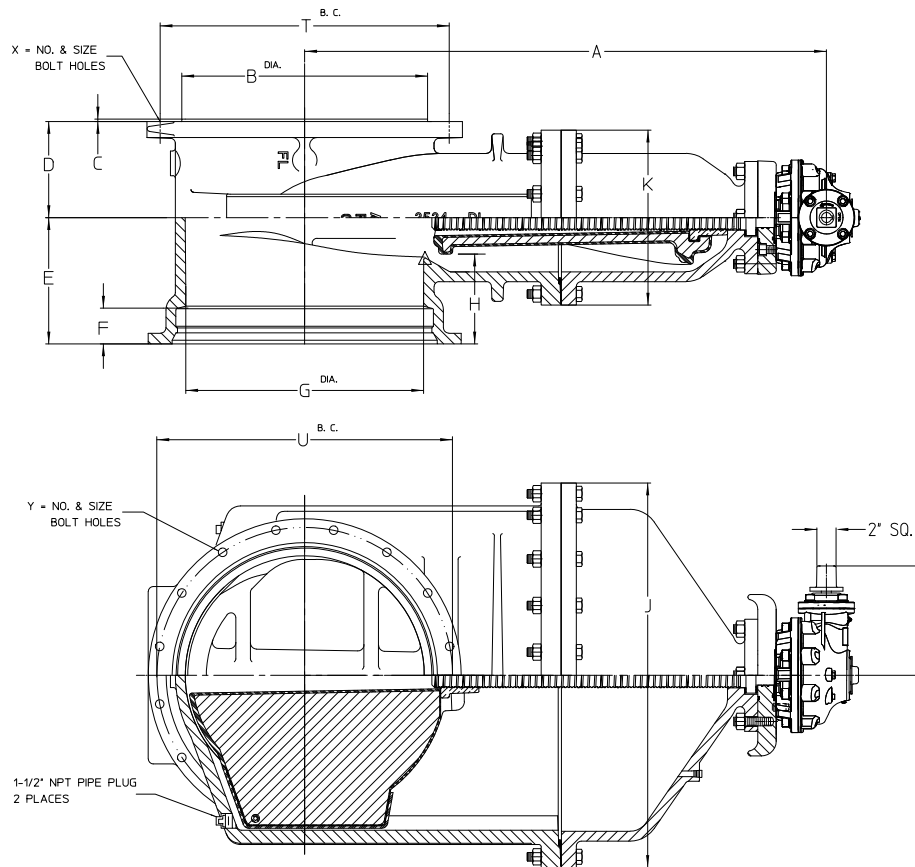


AMERICAN Flow Control Submittal Information

20" - 24" SERIES 2500 RESILIENT WEDGE GATE VALVE NRS TAPPING x MJ END WITH BEVEL GEAR ACTUATOR (TAP x MJ)



91-21405

Size	20"	24"
A	44.24 - 44.44	52.43 - 52.63
B	20.94	24.94
C	.25	.25
D	9.00	10.00
E	11.75	12.75
F	3.63	3.63
G	20.13	24.13
H	8.63	9.00
J	34.50	39.00
K	16.25	17.75
L	9.66 - 10.38	9.66 - 10.38
T	25.00	29.50
U	25.50	30.00
X	20 - 1.13	20 - 1.38
Y	14 - .88	16 - .88
Turns to Open	186	228
Tap Size	3/8 NPT	3/8 NPT
Maxium Cutter Diameter	20	24
Weight	1570 lbs.	2350 lbs.



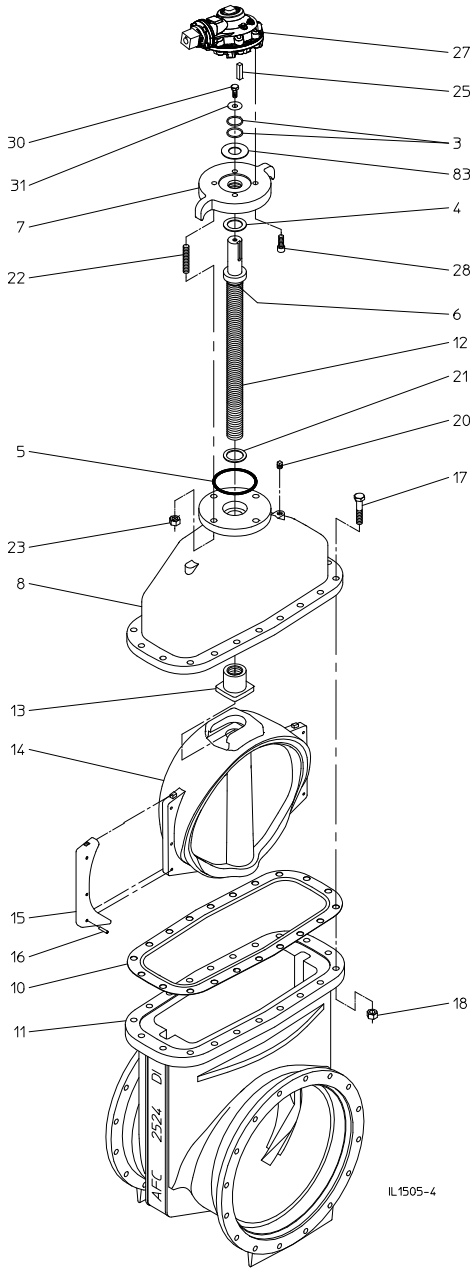
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THE RIGHT WAY

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Ref. No.	Description	Material
3	O-Ring	Rubber
4	Upper Thrust Washer	Delrin
5	Stuffing Box Gasket	Rubber O-Ring
6	O-Ring	Rubber
7	Stuffing Box	Ductile Iron ASTM A536
8	Bonnet	Ductile Iron ASTM A536
10	Throat Flange Gasket	Rubber
11	Valve Body	Ductile Iron ASTM A536
12	Stem	Manganese Bronze, ASTM B763, UNS C86700
13	Wedge Nut	Silicon Bronze, ASTM B584, UNS C87600
14	Resilient Wedge	EPDM Rubber Encapsulated Ductile Iron ASTM A536
15	Wedge Cover	Acetal Polymer
16	Wedge Cover Pin	Acetal Polymer
17	Hex Head Bolt	304 Stainless Steel
18	Hex Nut	304 Stainless Steel
20	Pipe Plug	Stainless Steel
21	Lower Thrust Washer	Delrin
22	Stud	304 Stainless Steel
23	Hex Nut	304 Stainless Steel
25	Key	Hardened Steel
27	Bevel Gear Actuator Assembly	AFC or Rotork Gearing (3:1)
28	Socket Head Capscrew	304 Stainless Steel
30	Hex Head Bolt	Zinc Plated Steel
31	Washer	Steel
83	Actuator Gasket	Rubber

Construction shown is typical of the 24-inch size with mechanical joint end connections and is illustrative only. Construction of other sizes and end connection types vary slightly. See elsewhere on this drawing for specific details.

OPTIONAL MATERIALS ARE AS FOLLOWS

BOLTS and NUTS: 316 Stainless Steel
 STEM: Cast NDZ-S Bronze, ASTM B763, UNS C99500
 STEM: 304 Stainless Steel
 STEM: 316 Stainless Steel

Open Direction Left(C.C.W.) Right(C.W.)

NOTES:

1. Bolt pattern of class 125 flanged end is in accordance with ANSI/AWWA C110/A21.10 (ASME B16.1 class 125).
2. Mechanical joint end is in accordance with ANSI/AWWA C111/A21.53 and MSS SP-113.
3. Raised alignment ring dimensions of flanged ends on tapping valves are in accordance with MSS SP-60.
4. Fusion -bonded epoxy coated in accordance with AWWA C550.
5. Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372.
6. Meets requirements of AWWA C515 with rated working pressure of 250 psig.
7. Gearing provided may be AFC or Rotork as shown in Material.



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