DOMESTIC WEDGE ACTION

RESTRAINT FOR DUCTILE IRON PIPE

Project Name:	Contractor:	Date:
Engineer:	Spec Section:	

PRODUCT SPECIFICATIONS

Material:
Gland body, wedge inserts and break-off top actuating bolts are manufactured of high strength ductile iron in accordance with ASTM A536, Grade 65-45-12. Wedge inserts are heat-treated to a hardness of 370 BHN minimum.

Pressure Rating:
3"–16" 350 psi WWP
18"–48" 250 psi WWP

Factor of Safety:
2:1

Size Range:
3" - 48"

Dimensions:
Conform to ANSI/AWWA C111/A21.11 & ANSI/AWWA C153/A21.53 standards.

Deflection:
5° on 3" through 12", 2° on 14" & 16", 1.5° on 18" through 30" and 1° on 36" through 48".

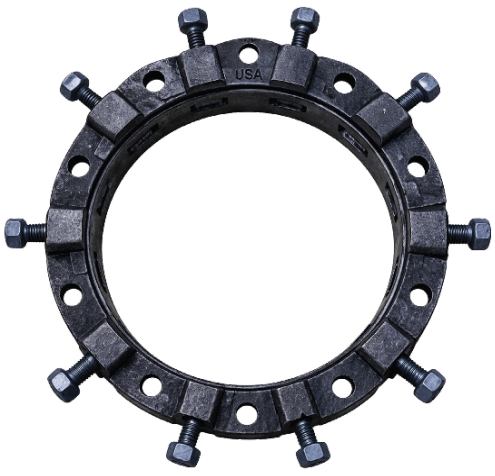
Traceability:
Gland body, wedge inserts and break-off top actuating bolts are individually cast with exact heat code information.

Approvals:
Underwriters Laboratories' listed in sizes 3"-36" and Factory Mutual approved in sizes 3"-12".

Installations:
In accordance with the manufacturer's recommendations and applicable AWWA standards.

OPTIONAL SPECIFICATIONS

Gaskets	SBR (In accordance with ANSI/AWWA C111/A21.11)
	EPDM
	Neoprene
	Nitrile
	Other - Specify
Coatings	Asphaltic Black Enamel
	Electro-Deposition "CORRSAFE™"
	Others- Specify
Bolts & Nuts	High Strength, Low Alloy Steel(HSLA) (In accordance with ANSI/AWWA C111/A21.11)
	Stainless Steel Type 304 Type 316
	Blue Fluoropolymer
	Others- Specify

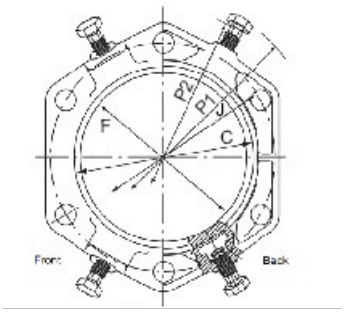


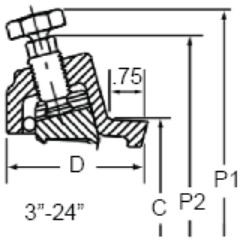
BABA COMPLIANT
AIS Compliant

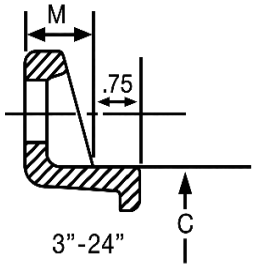
SIGMA WATERWORKS

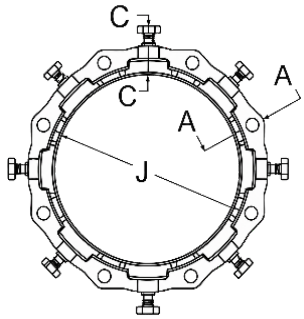
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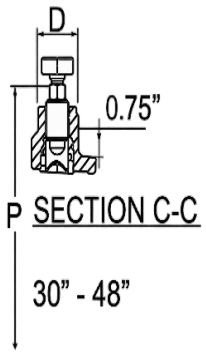
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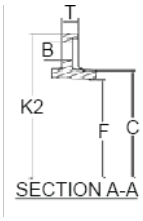












Dimensions in Inches, Weight in Pounds

Nom. Pipe	DI PIPE OD	Item #	WT. (LBS)	Pres. Rating (PSI)	Dimensions						NO. of Wedges	T-Bolts	
					F	J	C	D	P*	T/M		SIZE	QTY
3	3.96	D-SLDE-X3	8.6	350	4.06	6.19	4.84	2.65	9.06	0.68	2	⅝ x 3	4
4	4.80	D-SLDE-X4	11.7	350	4.90	7.50	5.92	2.65	10.0	0.88	2	¾ x 3 ½	4
6	6.90	D-SLDE-X6	17.6	350	7.00	9.50	8.02	2.65	12.1	0.88	3	¾ x 3 ½	6
8	9.05	D-SLDE-X8	21.7	350	9.15	11.75	10.17	2.65	14.3	1.10	4	¾ x 4	6
10	11.10	D-SLDE-X10	31.9	350	11.20	14.00	12.22	2.75	16.3	1.10	6	¾ x 4	8
12	13.20	D-SLDE-X12	41.5	350	13.30	16.25	14.32	2.75	18.4	1.10	8	¾ x 4	8
14	15.30	D-SLDE-X14	57.0	350	15.50	18.75	16.40	3.00	20.9	1.50	10	¾ x 4 ½	10
16	17.40	D-SLDE-X16	64.0	350	17.60	21.00	18.50	3.00	23.0	1.56	12	¾ x 4 ½	12
18	19.50	D-SLDE-X18	81.0	250	19.70	23.25	20.60	3.05	25.8	1.65	12	¾ x 4 ½	12
20	21.60	D-SLDE-X20	90.0	250	21.67	25.50	22.70	3.10	27.9	1.70	14	¾ x 4 ½	14
24	25.80	D-SLDE24	107.0	250	26.04	30.00	26.90	3.20	32.3	1.85	16	¾ x 5	16
30	32.00	D-SLDE30	158.7	250	32.17	36.88	33.29	2.13	39.3	1.65	20	1 x 6 ½	20
36	38.30	D-SLDE36	315.8	250	38.47	43.75	39.59	3.15	46.1	1.75	24	1 x 6 ½	24
42	44.50	D-SLDE42	432.2	250	44.67	50.62	45.79	3.56	53.3	2.25	28	1 ¼ x 8	28
48	50.80	D-SLDE48	568.7	250	50.97	57.50	52.09	3.81	59.5	2.25	32	1 ¼ x 8	32

Notes:

- Offered with or without re-rounding feature
- SIGMA seal gaskets are offered for these sizes
- Optional E-Coat for 24" and above