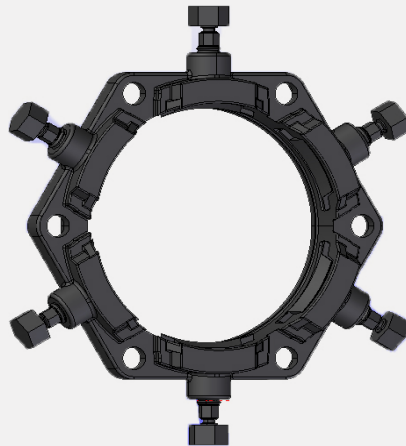
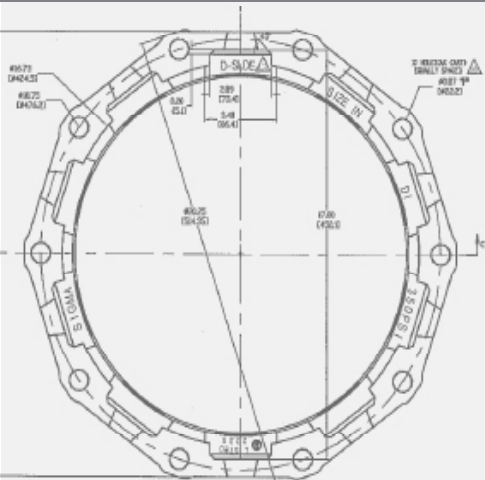


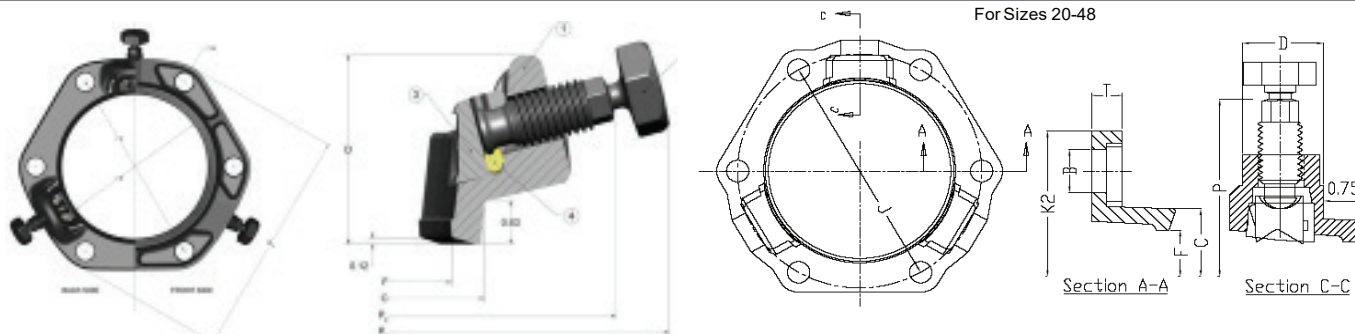
ONE-LOK™ MODEL SERIES D-SLDE DOMESTIC WEDGE RESTRAINT FOR DUCTILE IRON PIPE



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.
- SIZE RANGE:**
- 3" through 48"
- DIMENSION:**
- Conform to ANSI/AWWA C111/A21.11, ANSI/AWWA C110/A21.10, ANSI/AWWA C153/A21.53 standards.
- PRESSURE RATINGS:**
- Sizes 3"-16" carry a 350 psi WWP and sizes 18"-48" carry a 250 psi WWP while providing a minimum 2:1 factor of safety.
- COATING:**
- Asphaltic black enamel or Acrylic Black Enamel
 - Electro-deposition "CORRSafe™" available upon request. For further information, please refer to our CORRSafe Product Information sheet at <http://www.sigmaco.com/pipe-restraint-product-coatings-linings/> or fusion bonded polyester coating available on request.
- APPROVALS:**
- Underwriters Laboratories" Listed in sizes 3"-36" and Factory Mutual approved in sizes 4"-12".
- DEFLECTION:**
- 5° on 3"-12", 2° on 14"-16", 1.5° on 18"-34" and 1° on 30"-48"
- TRACEABILITY**
- Gland body, sizes 3"-24", is individually cast with exact heat code information Gland body, wedge inserts and break-off top actuating bolts, sizes 30"-48", are individually cast with exact heat code information.
- INSTALLATION:**
- In accordance with manufacturer's recommendation and applicable AWWA standards.

ONE-LOK™ Series D-SLDE Restraint for DIP



Dimensions in Inches, Weights in Pounds

Size	Item #	Weight (lbs)	Pipe OD	Dimensions								Bolts and Inserts			Rating
				C	F	D	T	P*	B	J	K2	No.	Size	Torque	
3	D-SLDE3	6.00	3.96	4.80	4.10	2.50	0.35	8.90	0.750	6.20	7.80	2	7/8	80-90	350
4	D-SLDE4	7.50	4.80	5.90	5.00	2.60	0.47	9.70	0.875	7.50	9.10	2	7/8	80-90	350
6	D-SLDE6	11.00	6.90	8.00	7.10	2.80	0.59	11.80	0.875	9.50	11.10	3	7/8	80-90	350
8	D-SLDE8	16.50	9.05	10.20	9.30	2.90	0.73	14.00	0.875	11.80	13.30	4	7/8	80-90	350
10	D-SLDE10	23.00	11.10	12.20	11.40	2.90	0.77	15.80	0.875	14.00	15.70	6	7/8	80-90	350
12	D-SLDE12	29.50	13.20	14.30	13.50	2.90	0.80	18.00	0.875	16.30	18.10	8	7/8	80-90	350
14	D-SLDE14	43.50	15.30	16.40	15.70	2.90	1.14	20.50	0.875	18.80	20.60	10	7/8	80-90	350
16	D-SLDE16	51.30	17.40	18.50	18.10	3.00	1.20	22.60	0.875	21.00	22.90	12	7/8	80-90	350
18	D-SLDE18	58.30	19.50	20.60	20.60	3.00	1.25	24.80	0.875	23.30	25.10	12	7/8	80-90	250
20	D-SLDE20	69.00	21.60	22.70	21.74	1.87	1.25	27.94	0.875	25.50	27.00	14	7/8	80-90	250
24	D-SLDE24	103.67	25.80	26.88	25.95	1.92	1.47	32.14	0.875	30.00	31.50	16	7/8	80-90	250
30*	D-SLDE30	158.67	32.00	33.29	32.17	2.13	1.65	39.30	1.125	36.88	39.12	20	1	115-125	250
36*	D-SLDE36	234.50	38.30	39.59	38.47	3.15	1.75	46.07	1.125	43.75	46.00	24	1	115-125	250
42*	D-SLDE42	344.0	44.50	45.79	44.67	3.56	2.25	53.25	1.38	50.62	53.38	28	1 1/4	115-125	250
48*	D-SLDE48	456.0	50.80	52.09	50.97	3.81	2.25	59.55	1.38	57.5	60.26	32	1 1/4	115-125	250

(Note: 30-48" is recommended to be used with SIGMASEAL gaskets)

P* Dim shows OD after head is broken/removed.

Sizes 3"-12" is approved for thinnest class of DI pipe.



Sizes 3" - 36" are UL listed.
 Sizes 3" - 12" are FM approved

Installation Instructions:

Note: This product is designed for use on ductile iron pipe. Contact factory for information on use with plain end fittings.

1. Clean fitting socket and pipe end. Lubricate gasket and pipe end with soapy water (or approved pipe lubricant meeting AWWA C111). Install ONE-LOK™ restrainer on the pipe with the lip extension facing the pipe end, followed by the gasket, tapered side toward end of pipe.
2. Insert pipe into fitting outlet and seat the gasket firmly and evenly into the gasket cavity. Maintain a straight joint during assembly.
3. Push the ONE-LOK gland toward the fitting and center it around the pipe with the lip evenly against the gasket. Insert the T-bolts and hand tighten the nuts. If deflection is required, make up after joint assembly but before tightening T-bolts.
4. Tighten T-bolts in an alternating manner maintaining an even gap between the gland and the fitting face at all points around the socket. Repeat alternate tightening cycle of the t-bolts until one full cycle is completed where each individual t-bolt maintains the recommended torque.
5. Following proper assembly of the mechanical joint, hand tighten actuating bolts until all wedges until complete contact is made with the pipe.
6. Tighten each actuating bolt in a clockwise direction, alternating between the bolts in a star pattern, until the break-off tops have been removed. Never tighten a wedge bolt more than 180 degrees before moving to the next bolt.