

# Link-Seal® Modular Seal Sizing Charts for Standard Pipe

## How to Order: Using the Provided Sizing Charts

1. Locate charts on pages 5-7 that corresponds to the type and size pipe being used.
2. Verify that your pipe O.D. matches the actual outside diameter shown on the chart.
3. Determine type of wall opening (Model CS, WS or Cast/Core bit drilled).
4. Determine Link-Seal modular seal model to be used (See information on page 2).
5. To order Link-Seal modular seals: under the appropriate wall opening column, Link-Seal modular seal size (from SIZE column), Link-Seal modular seal model (C, S-316, L, LS-316, O, OS-316, T or FD/FS from page 2) and indicate number of links required per seal (from LINKS PER SEAL column). **[Example: LS-575-C-10]**
6. To order corresponding sleeves indicate model number (from MODEL NUMBER column), length of sleeve and quantity required. **[CS Example: CS-10-12"-1] [WS Example: WS-36-S-12"-1] [CC Example: CC-32-(3")2-(4")2]**

**Note: Contact PSI (1-800-423-2410) or your local distributor if your pipe sizing solution is not listed in the provided charts.**

## SDR-35 Gravity Sewer Pipe

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
4	4.22	CS-6-*	LS-315-***	11	WS-6-28-S-*	LS-315-***	10	6.000	LS-315-***	10
6	6.28	CS-8-*	LS-315-***	15	WS-8-32-S-*	LS-315-***	15	8.000	LS-315-***	15
8	8.40	CS-10-*	LS-325-***	9	WS-10-36-S-*	LS-315-***	19	12.000	LS-475-***	12
10	10.50	CS-14-*	LS-475-***	14	WS-14-37-S-*	LS-360-***	17	14.000	LS-475-***	14
12	12.50	CS-18-*	LS-500-***	12	WS-16-37-S-*	LS-360-***	20	16.000	LS-475-***	17
15	15.30	CS-20-*	LS-475-***	20	WS-20-37-S-*	LS-575-***	17	18.000	LS-360-***	24
18	18.70	CS-24-*	LS-575-***	21	WS-22-37-S-*	LS-360-***	29	22.000	LS-475-***	24
21	22.05	CC-30-**	LS-600-***	13	WS-26-37-S-*	LS-475-***	28	26.000	LS-575-***	24
24	24.80	CC-30-**	LS-525-***	21	WS-28-37-S-*	LS-425-***	22	28.000	LS-475-***	31
27	27.95	CC-32-**	LS-400-***	25	WS-32-37-S-*	LS-400-***	25	32.000	LS-575-***	30
30	32.00	CC-38-**	LS-500-***	28	WS-36-37-S-*	LS-400-***	29	36.000	LS-575-***	34

\* = Specify sleeve length in inches \*\* = See Cell-Cast® Page 4 \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

Technically there is no limit to the pipe size that can be sealed using Link-Seal® modular seals. Please contact factory for sizes not listed and for CS model plastic sleeves for walls less than 8" thick.

## Steel and Plastic Pipe with Same Outside Diameter (IPS)

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
1/2	0.840	CS-2-*	LS-200-***	4	WS-2-15-S-*	LS-275-***	5	2.000	LS-200-***	4
3/4	1.050	CS-3-*	LS-315-***	4	WS-2-1/2-20-S-*	LS-275-***	6	3.000	LS-315-***	4
1	1.315	CS-3-*	LS-300-***	4	WS-2-1/2-20-S-*	LS-200-***	5	3.000	LS-300-***	4
1-1/4	1.660	CS-3-*	LS-275-***	7	WS-3-21-S-*	LS-275-***	8	3.000	LS-275-***	8
1-1/2	1.900	CS-3-1/2-*	LS-300-***	5	WS-3-21-S-*	LS-200-***	7	4.000	LS-315-***	6
2	2.375	CS-4-*	LS-300-***	6	WS-3-1/2-22-S-*	LS-200-***	8	4.000	LS-300-***	6
2-1/2	2.875	CS-4-*	LS-200-***	9	WS-4-23-S-*	LS-200-***	9	4.000	LS-200-***	9
3	3.500	CS-5-*	LS-300-***	8	WS-6-28-S-*	LS-360-***	7	5.000	LS-300-***	8
3-1/2	4.000	CS-6-*	LS-340-***	10	WS-6-28-S-*	LS-340-***	9	6.000	LS-315-***	10
4	4.500	CS-6-*	LS-300-***	10	WS-6-28-S-*	LS-300-***	10	6.000	LS-300-***	10
5	5.563	CS-8-*	LS-360-***	10	WS-8-32-S-*	LS-340-***	13	8.000	LS-340-***	13
6	6.625	CS-10-*	LS-475-***	10	WS-10-36-S-*	LS-475-***	10	10.000	LS-475-***	10
8	8.625	CS-12-*	LS-475-***	12	WS-12-37-S-*	LS-475-***	12	12.000	LS-475-***	12
10	10.750	CS-14-*	LS-410-***	15	WS-14-37-S-*	LS-425-***	10	14.000	LS-475-***	14
12	12.750	CS-16-*	LS-475-***	17	WS-16-37-S-*	LS-425-***	12	16.000	LS-475-***	17
14	14.000	CS-16-*	LS-340-***	30	WS-18-37-S-*	LS-475-***	18	18.000	LS-575-***	16
16	16.000	CS-20-*	LS-410-***	21	WS-20-37-S-*	LS-475-***	21	20.000	LS-575-***	18
18	18.000	CS-22-*	LS-340-***	38	WS-22-37-S-*	LS-475-***	23	22.000	LS-575-***	20
20	20.000	CS-25-*	LS-500-***	18	WS-24-37-S-*	LS-475-***	25	24.000	LS-475-***	26
22	22.000	CS-25-*	LS-360-***	34	WS-26-37-S-*	LS-475-***	28	26.000	LS-575-***	24
24	24.000	CC-30-**	LS-500-***	21	WS-28-37-S-*	LS-475-***	30	28.000	LS-475-***	31
26	26.000	CC-30-**	LS-400-***	23	WS-30-37-S-*	LS-400-***	23	30.000	LS-575-***	28
28	28.000	CC-32-**	LS-400-***	25	WS-32-37-S-*	LS-400-***	25	32.000	LS-575-***	30
30	30.000	CC-36-**	LS-500-***	26	WS-34-37-S-*	LS-400-***	27	34.000	LS-575-***	32
32	32.000	CC-38-**	LS-500-***	28	WS-36-37-S-*	LS-400-***	29	36.000	LS-575-***	34
34	34.000	CC-38-**	LS-400-***	30	WS-40-37-S-*	LS-500-***	29	38.000	LS-575-***	36
36	36.000	CC-42-**	LS-500-***	31	WS-42-37-S-*	LS-500-***	31	40.000	LS-575-***	38
42	42.000	CC-48-**	LS-500-***	36	WS-48-37-S-*	LS-500-***	36	46.000	LS-575-***	44
48	48.000	CC-54-**	LS-500-***	40	WS-53-37-S-*	LS-525-***	40	52.000	LS-575-***	50

\* = Specify sleeve length in inches \*\* = See Cell-Cast® Page 4 \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

Technically there is no limit to the pipe size that can be sealed using Link-Seal® modular seals. Please contact factory for sizes not listed and for CS model plastic sleeves for walls less than 8" thick.

## Ductile Iron Pipe (DIPS, AWWA-C900, AWWA-C905, PVC Water Pipe)

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
2	2.500	CS-4*	LS-300-***	6	WS-3-1/2-22-S*	LS-200-***	8	4.000	LS-300-***	6
2-1/4	2.750	CS-4*	LS-275-***	10	WS-4-23-S*	LS-200-***	9	4.000	LS-200-***	9
3	3.960	CS-6*	LS-340-***	10	WS-6-28-S*	LS-340-***	9	6.000	LS-315-***	10
4	4.800	CS-8*	LS-475-***	8	WS-8-32-S*	LS-410-***	7	8.000	LS-410-***	7
6	6.900	CS-10*	LS-475-***	10	WS-10-36-S*	LS-410-***	10	10.000	LS-410-***	10
8	9.050	CS-12*	LS-400-***	9	WS-12-37-S*	LS-400-***	9	12.000	LS-400-***	9
10	11.100	CS-14*	LS-410-***	15	WS-14-37-S*	LS-340-***	24	14.000	LS-400-***	10
12	13.200	CS-18*	LS-575-***	15	WS-18-37-S*	LS-475-***	18	16.000	LS-360-***	21
14	15.300	CS-20*	LS-475-***	20	WS-20-37-S*	LS-575-***	17	18.000	LS-360-***	24
16	17.400	CS-22*	LS-360-***	28	WS-22-37-S*	LS-475-***	23	20.000	LS-360-***	27
18	19.500	CS-24*	LS-410-***	25	WS-24-37-S*	LS-575-***	21	24.000	LS-525-***	17
20	21.600	CS-25*	LS-400-***	20	WS-26-37-S*	LS-475-***	27	26.000	LS-525-***	19
24	25.800	CC-30-**	LS-400-***	23	WS-30-37-S*	LS-400-***	23	28.000	LS-425-***	23
30	32.000	CC-38-**	LS-500-***	28	WS-36-37-S*	LS-400-***	29	36.000	LS-575-***	34
36	38.300	CC-44-**	LS-500-***	33	WS-44-1/2-37-S*	LS-500-***	33	42.000	LS-575-***	40
42	44.500	CC-50-**	LS-500-***	38	WS-50-37-S*	LS-500-***	38	50.000	LS-500-***	38
48	50.800	CC-56-**	LS-500-***	43	WS-57-37-S*	LS-500-***	43	56.000	LS-500-***	43

\* = Specify sleeve length in inches \*\* = See Cell-Cast® Page 4 \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)  
 Technically there is no limit to the pipe size that can be sealed using Link-Seal® modular seals. Please contact factory for sizes not listed and for CS model plastic sleeves for walls less than 8" thick.

## Copper Tubing

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
1/2	0.625	CS-2*	LS-275-***	4	WS-2-15-S*	LS-275-***	5	2.000	LS-275-***	4
3/4	0.875	CS-2*	LS-200-***	4	WS-2-1/2-20-S*	LS-275-***	6	2.000	LS-200-***	4
1	1.125	CS-3*	LS-315-***	4	WS-2-1/2-20-S*	LS-275-***	6	3.000	LS-315-***	4
1-1/4	1.375	CS-3*	LS-275-***	8	WS-2-1/2-20-S*	LS-200-***	5	3.000	LS-300-***	4
1-1/2	1.625	CS-3*	LS-275-***	8	WS-3-21-S*	LS-275-***	7	3.000	LS-275-***	8
2	2.125	CS-4*	LS-315-***	6	WS-3-1/2-22-S*	LS-275-***	10	4.000	LS-315-***	6
2-1/2	2.625	CS-4*	LS-275-***	12	WS-4-23-S*	LS-275-***	11	4.000	LS-275-***	11
3	3.125	CS-5*	LS-340-***	8	WS-5-25-S*	LS-315-***	8	5.000	LS-315-***	8
4	4.125	CS-6*	LS-315-***	11	WS-6-28-S*	LS-315-***	10	6.000	LS-315-***	10
6	6.125	CS-8*	LS-315-***	15	WS-8-32-S*	LS-315-***	15	8.000	LS-315-***	15
8	8.125	CS-12*	LS-575-***	10	WS-10-36-S*	LS-315-***	19	12.000	LS-575-***	10
10	10.125	CS-12*	LS-340-***	22	WS-14-37-S*	LS-410-***	14	14.000	LS-575-***	12
12	12.125	CS-16*	LS-575-***	14	WS-16-37-S*	LS-410-***	16	16.000	LS-575-***	14

\* = Specify sleeve length in inches \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

## Cast Iron Soil Pipe (Extra Heavy)

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
2	2.380	CS-4*	LS-300-***	6	WS-3-1/2-22-S*	LS-200-***	8	4.000	LS-300-***	6
3	3.500	CS-5*	LS-315-***	9	WS-6-28-S*	LS-360-***	7	5.000	LS-300-***	8
4	4.500	CS-8*	LS-475-***	8	WS-6-28-S*	LS-300-***	10	6.000	LS-300-***	10
5	5.500	CS-8*	LS-360-***	10	WS-8-32-S*	LS-340-***	13	8.000	LS-340-***	13
6	6.500	CS-8*	LS-315-***	15	WS-10-36-S*	LS-475-***	10	10.000	LS-475-***	10
8	8.620	CS-12*	LS-475-***	12	WS-12-37-S*	LS-475-***	12	12.000	LS-475-***	12
10	10.750	CS-14*	LS-410-***	15	WS-14-37-S*	LS-425-***	10	14.000	LS-475-***	14
12	12.750	CS-16*	LS-475-***	17	WS-16-37-S*	LS-425-***	12	16.000	LS-475-***	17
15	15.880	CS-20*	LS-410-***	21	WS-20-37-S*	LS-475-***	20	18.000	LS-340-***	33

\* = Specify sleeve length in inches \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

## Cast Iron Soil Pipe (Service Weight)

PIPE SIZE (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
2	2.300	CS-4*	LS-300-***	6	WS-4-23-S*	LS-315-***	6	4.000	LS-315-***	6
3	3.300	CS-5*	LS-300-***	8	WS-6-28-S*	LS-360-***	7	5.000	LS-300-***	8
4	4.300	CS-6*	LS-300-***	10	WS-6-28-S*	LS-315-***	10	6.000	LS-300-***	10
5	5.300	CS-8*	LS-410-***	8	WS-8-32-S*	LS-360-***	9	8.000	LS-360-***	9
6	6.300	CS-8*	LS-315-***	15	WS-8-32-S*	LS-315-***	15	8.000	LS-315-***	15
8	8.380	CS-10*	LS-325-***	9	WS-10-36-S*	LS-315-***	19	10.000	LS-315-***	19
10	10.500	CS-14*	LS-475-***	14	WS-14-37-S*	LS-360-***	17	14.000	LS-475-***	14
12	12.500	CS-18*	LS-500-***	12	WS-16-37-S*	LS-360-***	20	16.000	LS-475-***	17
15	15.620	CS-20*	LS-475-***	20	WS-20-37-S*	LS-475-***	20	18.000	LS-425-***	14

\* = Specify sleeve length in inches \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17). Technically there is no limit to the pipe size that can be sealed using Link-Seal® modular seals. Please contact factory for sizes not listed and for CS model plastic sleeves for walls less than 8" thick.

## Electrical Metallic Tubing (EMT) Thin Wall

Conduit Size (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
1/2	0.706	CS-2*	LS-275-***	4	WS-2-15-S*	LS-275-***	5	2.000	LS-275-***	4
3/4	0.922	CS-2*	LS-200-***	4	WS-2-1/2-20-S*	LS-275-***	6	2.000	LS-200-***	4
1	1.163	CS-3*	LS-315-***	4	WS-2-1/2-20-S*	LS-275-***	6	3.000	LS-315-***	4
1-1/4	1.510	CS-3*	LS-275-***	8	WS-3-21-S*	LS-275-***	6	3.000	LS-275-***	8
1-1/2	1.740	CS-3-1/2-*	LS-300-***	5	WS-3-21-S*	LS-275-***	8	3.000	LS-200-***	6
2	2.197	CS-4*	LS-315-***	6	WS-3-1/2-22-S*	LS-275-***	10	4.000	LS-315-***	6
2-1/2	2.875	CS-4*	LS-200-***	9	WS-4-23-S*	LS-200-***	9	4.000	LS-200-***	9
3	3.500	CS-5*	LS-315-***	9	WS-6-28-S*	LS-360-***	7	5.000	LS-300-***	8
4	4.500	CS-8*	LS-475-***	8	WS-6-28-S*	LS-300-***	10	6.000	LS-300-***	10

\* = Specify sleeve length in inches \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

## Intermediate Metal Conduit (IMC)

Conduit Size (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
1/2	0.815	CS-2*	LS-200-***	4	WS-2-15-S*	LS-275-***	5	2.000	LS-200-***	4
3/4	1.029	CS-2*	LS-200-***	4	WS-2-1/2-20-S*	LS-275-***	6	2.000	LS-200-***	4
1	1.290	CS-3-1/2-*	LS-315-***	5	WS-2-1/2-20-S*	LS-200-***	5	3.000	LS-300-***	4
1-1/4	1.638	CS-3*	LS-275-***	8	WS-3-21-S*	LS-275-***	8	3.000	LS-275-***	8
1-1/2	1.883	CS-3-1/2-*	LS-300-***	5	WS-3-21-S*	LS-200-***	7	4.000	LS-315-***	6
2	2.360	CS-4*	LS-300-***	6	WS-3-1/2-22-S*	LS-200-***	8	4.000	LS-300-***	6
2-1/2	2.857	CS-4*	LS-200-***	9	WS-4-23-S*	LS-200-***	9	4.000	LS-200-***	9
3	3.476	CS-5*	LS-315-***	9	WS-6-28-S*	LS-360-***	7	5.000	LS-300-***	8
3-1/2	3.970	CS-6*	LS-340-***	10	WS-6-28-S*	LS-340-***	9	6.000	LS-315-***	10
4	4.466	CS-6*	LS-315-***	11	WS-6-28-S*	LS-300-***	10	6.000	LS-300-***	10

\* = Specify sleeve length in inches \*\*\* = Specify LS Model C, S-316, L...etc when ordering (Example LS-475-C-17)

## Rigid (RSC), Aluminum (ASC), Galvanized (GSC), Non-Metallic Conduit (NRC)

Conduit Size (Nom.)	ACTUAL O.D. (Inches)	CS MODEL NON-METALLIC SLEEVE			WS MODEL STEEL SLEEVE			CAST OR CORE BIT DRILLED HOLE		
		MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	MODEL NUMBER	LINK-SEAL® SIZE	LINKS PER SEAL	HOLE I.D.	LINK-SEAL® SIZE	LINKS PER SEAL
1/2	0.840	CS-2*	LS-200-***	4	WS-2-15-S*	LS-275-***	5	2.000	LS-200-***	4
3/4	1.050	CS-3*	LS-315-***	4	WS-2-1/2-20-S*	LS-275-***	6	3.000	LS-315-***	4
1	1.315	CS-3*	LS-300-***	4	WS-2-1/2-20-S*	LS-200-***	5	3.000	LS-300-***	4
1-1/4	1.660	CS-3*	LS-275-***	7	WS-3-21-S*	LS-275-***	8	3.000	LS-275-***	8
1-1/2	1.900	CS-3-1/2-*	LS-300-***	5	WS-3-21-S*	LS-200-***	7	4.000	LS-315-***	6
2	2.375	CS-4*	LS-300-***	6	WS-3-1/2-22-S*	LS-200-***	8	4.000	LS-300-***	6
2-1/2	2.875	CS-4*	LS-200-***	9	WS-4-23-S*	LS-200-***	9	4.000	LS-200-***	9
3	3.500	CS-5*	LS-300-***	8	WS-6-28-S*	LS-360-***	7	5.000	LS-300-***	8
3-1/2	4.000	CS-6*	LS-340-***	10	WS-6-28-S*	LS-340-***	9	6.000	LS-315-***	10
4	4.500	CS-6*	LS-300-***	10	WS-6-28-S*	LS-300-***	10	6.000	LS-300-***	10
5	5.563	CS-8*	LS-360-***	10	WS-8-32-S*	LS-340-***	13	8.000	LS-340-***	13
6	6.625	CS-10*	LS-475-***	10	WS-10-36-S*	LS-475-***	10	10.000	LS-475-***	10

Technically there is no limit to the conduit or pipe size that can be sealed using Link-Seal® modular seals. Please contact factory for sizes not listed and for CS model plastic sleeves for walls less than 8" thick.

## Frequently Asked Questions

### 1) Q- Can lubricant be used to install Link-Seal® modular seals?

A- Yes, any non-polluting liquid detergent is preferred over a grease. If you need to use grease or another lubricant, please contact PSI.

### 2) Q - How much angular pipe movement will Link-Seal modular seals allow and still maintain a seal?

A - Link-Seal modular seals may allow angular pipe movement or misalignment depending on the ratio of annular space of the penetration to the expanded range of the Link-Seal model sized for the penetration. Please call PSI for more information.

### 3) Q - Is it necessary to use WS or CS sleeves when installing Link-Seal modular seals?

A - WS model steel and CS model HPDE sleeves are specially designed for use with Link-Seal modular seals. When installed with Link-Seal modular seals these sleeves provide the best possible assurance of a quality wall penetration system.

### 4) Q - Sometimes when installing a belt of Link-Seal modular seals, it hangs loose on the pipe even though all my sizing calculations are correct. Why does it appear that I have too many links?

A - Link-Seal modular seals are basically sized to fit the opening, not the pipe. Use the assemblies suggested by the charts or calculation. It may not look right, but it will fit.

### 5) Q - Can Link-Seal modular seals be used for penetrations where the pipe is off-center to the opening?

A - Centering is very important.

## Minimum Wall Thickness Required for Link-Seal® Modular Seals

MODEL NO.	MINIMUM WALL THICKNESS
LS-200/LS-275	2.25"
LS-300/LS-315	3.00"
LS-325/LS-340/LS-360	4.00"
LS-400/LS-410/LS-425/LS-475	5.00"
LS-500/LS-525/LS-575	5.00"
LS-600/650	6.00"

Contact PSI for more information.

### 6) Q - Is it necessary to use riser clamps, pipe saddles and hanger supports with Link-Seal modular seals?

A - Designed as a penetration seal, Link-Seal modular seals are not intended to be a structural support. Standard pipe hanger practice should always be applied.

### 7) Q - What tools are required to install Link-Seal modular seals?

A - A socket or offset wrench with 5/16", 1/2", 3/8", 9/16", 3/4" & 1-3/16" sockets will handle all installations. A low speed (450 RPM or less) power tool is suggested for multiple installations to increase efficiency. (see next question)

### 8) Q - Can I use power tools when installing Link-Seal modular seals with 316 stainless steel bolts?

A - No, please see suggested installation techniques.