Depend-O-Lok ExE Non-Restrained Flexible Coupling

A COUPLING SYSTEM THAT PROVIDES NON-RESTRAINED PIPE JOINTS. SIMPLE, RUGGED AND DEPENDABLE

Depend-O-Lok ExE non-restrained couplings are bolted, split-sleeve couplings that meet or exceed the design, materials and performance requirements set forth in AWWA. They are specifically designed to allow for:

- Angular deflection at the pipe joint
- Vibration reduction
- Maintaining the full integrity of the coupling seal.

The design features and benefits of this coupling, and the entire Depend-O-Lok product line give the piping industry freedom of design and applications not found with other couplings. D-O-L offers savings in both cost of components and man-hours for installation. Because of its versatility, pipe detailing, pipe fabrication and field time are reduced to a minimum. The coupling and gasket assembly is easy to handle, minimizing installed costs.

The D-O-L ExE Type 1 & Type 2 couplings are designed to seal the pipe joint and to provide for flexibility at the pipe joint. It is important to note that ExE couplings are a non-restrained joint. Please refer to the latest edition of AWWA Manual M11 “Steel Water Pipe: A Guide for Design and Installation” for harness lug requirements.

Depend-O-Lok accommodates many irregularities commonly found in all types of large diameter pipe, making it more “forgiving” than other joining methods.

For quotations, ordering, or technical information, call 770-840-0662 or FAX 770-840-8312.

NON-RESTRAINED COUPLING COMPONENTS AND BENEFITS

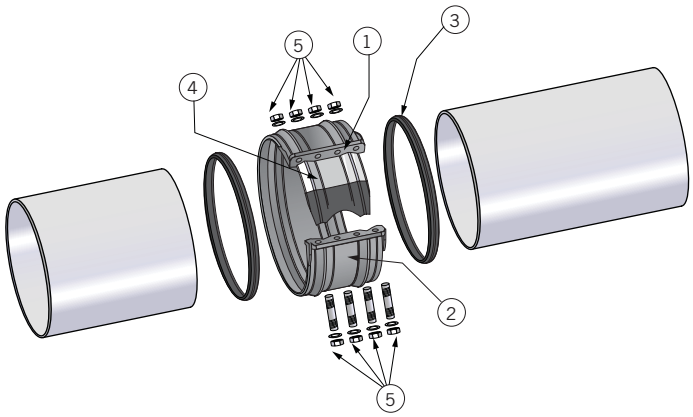
1 Closure Plates simplify installation and enable the coupling to seal with fewer bolts than traditional sleeve type couplings. They also allow the coupling to be provided in multiple segments for ease of handling or installation on existing pipe.

2 Split-sleeve (body) is designed for the internal pressure requirements of the project. The “double arch” shape of the sleeve provides high section modulus and strengthens the pipe joint. The low profile design permits the coupling to pass through tighter openings than traditional sleeve type and for assembly in close quarters. Harness lugs, if required, can be shorter.

3 O-rings. Proven effective during more than 80 years of use.

4 Sealing Plate/Pad ensures leak-tight seal on joints, and accommodates a wide range of variances in mated pipe OD.

5 Bolts and Nuts are sized to provide yield strength greater than the hoop strength of the coupling body, and utilize flat washers. Stainless steel or hot dipped galvanized bolting are available.



JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

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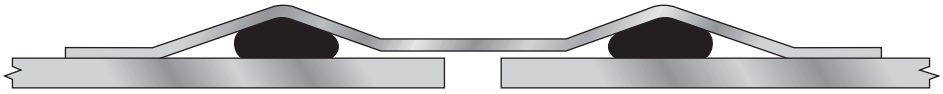
DESIGN DATA

Depend-O-Lok couplings are designed for use with all types of pipe, including carbon steel, stainless steel, ductile iron, concrete, fiberglass/FRP and plastic including PVC and HDPE.

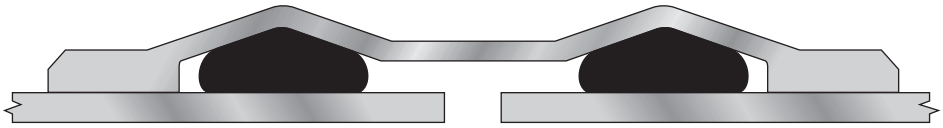
ExE Type 1 is the basic Depend-O-Lok bolted, split-sleeve coupling that provides flexibility at the pipe joint. Depend-O-Lok ExE couplings are an ideal substitute for bolted-sleeve couplings in nearly every application where such a coupling is desired.



Type 1

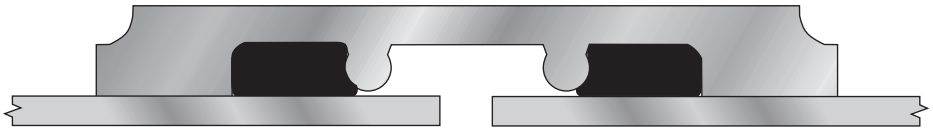
ExE Type 2 is similar to the Depend-O-Lok ExE Type 1 coupling, except that shoulders have been added to allow for more angular deflection within the pipe joints. The ExE Type 2 also accommodates higher pressure requirements. For special design requirements, additional reinforcement (RC modification – see detail at left) of coupling closure area is often provided by Depend-O-Lok.

RC STYLE



Type 2

ExE Type 2 HP is a variation of a Type 2 coupling that includes the RC modification, offset closure plates and thick body design for large diameter couplings at high pressures. The couplings are designed for higher pressure applications where regular deflection is not a factor.



Type 2 HP

Segmented Couplings
All ExE couplings are available in two or more segments. This offers an advantage with larger couplings because it reduces shipping and handling costs versus traditional sleeve type couplings. Segmented couplings have the further advantage of reducing the down time to replace a coupling on an existing piping system since the pipe does not have to be moved to allow for a flange ring, gasket, and sleeve as with traditional sleeve couplings.

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ExE APPLICATION

The Depend-O-Lok ExE coupling is referred to as a "flexible unrestrained coupling" because it allows for angular deflection at the pipe joint while maintaining a strong, tight seal. The coupling also relieves stress that results from limited expansion and contraction, and helps reduce pipeline vibration transmission. This flexibility at the pipe joint permits the laying of pipelines on curves and slopes using straight lengths of pipe.

ExE GAP CHART FOR PIPE IN NON-DEFLECTED STATE

Recommended Nominal Gap for Pipe in Non-Deflected State – Dependent on Width of Coupling (In./mm)			
5 25	8 200	10 250	12 300
⅜ 19.5	½ 12.7	¾ 19.1	1 25.4

ExE GAP CHART FOR PIPE IN DEFLECTED STATE

Maximum Nominal Gap for Pipe in Deflected State – Dependent on Width of Coupling (In./mm)			
5 125	8 200	10 250	12 300
¾ 19.1	1¼ 31.8	1½ 38.1	3 76.2

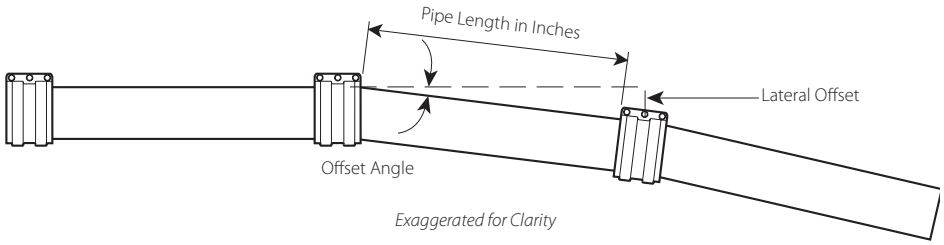

FIGURE 1

Depend-O-Lok ExE Non-Restrained Flexible Coupling

A COUPLING SYSTEM THAT PROVIDES NON-RESTRAINED PIPE JOINTS.
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LATERAL OFFSET

To determine the lateral offset in inches, multiply the sine value of the offset angle by the pipe length in inches.

Example: A 2° offset angle with a pipe length of 40 feet (480 inches).

Calculation:
Sine of 2° = .035
.035 x 480" = 16.8"
The approximate lateral offset would be 16.8".

Sine Values:
1° = .017
2° = .035
3° = .052
4° = .070

"RULE OF THUMB" EXAMPLE

The general "Rule of Thumb" for lateral offset is **2.1" per** 1° offset angle per 10' of pipe length.

Assume:
1. Pipe length is 40'
2. Offset angle is 3°

Calculation:
2.1" x 3 x 4 = 25.2"

The approximate lateral offset would be 25.2".

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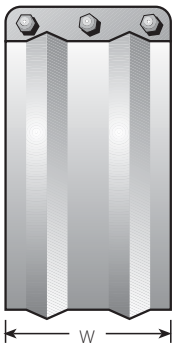
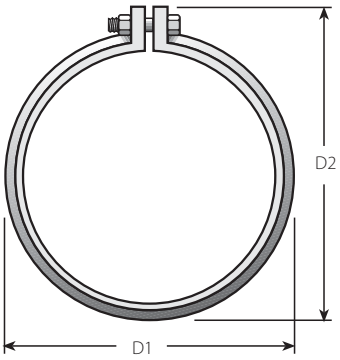
DIMENSIONS



W = Coupling body width
D1 = Maximum coupling diameter arch to arch
D2 = Maximum coupling diameter including closure plate



Formula:

$$P = \frac{2st}{d}$$

Where:
s = 18,000 psi allowable stress for carbon steel
s = 15,000 psi allowable stress for stainless steel
d = pipe O.D. (in.)
P = maximum working pressure (psig)
t = coupling body (sleeve) wall thickness (in.)

NOTE: Chart pressures are for Depend-O-Lok ExE expansion couplings. For restrained joints, please refer to section 60.11 for additional information.

Gauge:
10 = 0.134 in/3.4 mm 12 = 0.105 in./2.7 mm
11 = 0.120 in/3.1 mm 14 = 0.075 in/1.9 mm

DEFLECTION PER JOINT

Chart tabulations are in degrees. If more angular deflection is desired please contact your Victaulic sales representative for details.

PIPE END GAP

Where couplings are desired to bridge a large gap between two pipe ends the D-O-L ExE is a good choice. For example, an 18" wide ExE can bridge a gap of up to 8". Please contact Victaulic sales staff for information.

EXPANSION/CONTRACTION

D-O-L ExE couplings can accommodate limited axial pipe movement. For couplings that require expansion and contraction capabilities, see section 60.12, FxE Expansion Couplings.

PIPE MOVEMENT

Where pipe movement out of the coupling may occur, proper anchorage of the pipe is essential. Please refer to sections 60.11, FxF Restrained Coupling, and 60.12, FxE Expansion Couplings, for additional information.

STANDARD DESIGNS FOR DEPEND-O-LOK ExE (UNRESTRAINED) COUPLINGS ASTM A36 CARBON STEEL

Size	Design Pressure Class	Body Dimensions In./mm		Dimensions Inches/mm		Style	Number of Segments	Recommended Pipe Gap	Maximum Allowable Deflection
Nominal Pipe Size In./mm	psi	Thickness	Nominal Width (W)	D1	D2	Type	Std.	Inches/mm	Degrees
6 150	100 - 300 689 - 2068	12 ga. 3	8 203	7.25 184	8.25 210	1	1	0.50 13	4.5
8 200	100 - 300 689 - 2068	11 ga. 3	10 254	9.25 235	10.38 264	1	1	0.75 19	4
10 250	100 - 300 689 - 2068	10 ga. 3	10 254	11.25 286	12.50 318	1	1	0.75 19	4
12 300	100 - 300 689 - 2068	10 ga. 3	10 254	13.25 337	14.50 368	1	1	0.75 19	4
14 350	100 - 300 689 - 2068	10 ga. 3	10 254	15.25 387	16.50 419	1	1	0.75 19	4
16 400	100 - 300 689 - 2068	10 ga. 3	10 254	17.25 438	18.88 480	1	1	0.75 19	3.5
18 450	100 - 150 689 - 1034	10 ga. 3	10 254	19.25 489	20.88 530	1	1	0.75 19	3.5
	200 - 300 1379 - 2068	3/16 5	10 254	19.38 492	21.00 534	1	1	0.75 19	3.5
20 500	100 - 150 689 - 1034	10 ga. 3	10 254	21.25 540	22.88 581	1	1	0.75 19	3.5
	200 - 300 1379 - 2068	3/16 5	10 254	21.38 543	23.00 584	1	1	0.75 19	3.5
24 600	100 - 150 689 - 1034	10 ga. 3	10 254	25.25 641	26.88 683	1	1	0.75 19	3.5
	200 - 250 1379 - 1724	3/16 5	10 254	25.38 645	27.00 686	1	1	0.75 19	3.5
	300 2068	1/4 6	12 305	26.00 660	28.38 721	2 RC	1	1 25	4
30 750	100 - 150 689 - 1034	3/16 5	10 254	31.38 797	33.00 838	1	1	0.75 19	2.5
	200 1379	3/16 5	12 305	31.88 810	33.50 851	2	1	1 25	3
	250 - 300 1724 - 2068	1/4 6	12 305	32.00 813	34.38 873	2 RC	1	1 25	3
36 900	100 - 150 689 - 1034	3/16 5	10 254	37.38 949	39.00 991	1	1	0.75 19	2.5
	200 1379	1/4 6	12 305	38.00 965	40.13 1019	2	1	1 25	3
	250 1724	1/4 6	12 305	38.00 965	40.38 1026	2 RC	1	1 25	3
	300 2068	3/8 10	12 305	38.50 978	43.00 1092	2 RC	2	1 25	3

Shaded areas are gauge/mm. All unshaded areas are in/mm.

Table continued on next page

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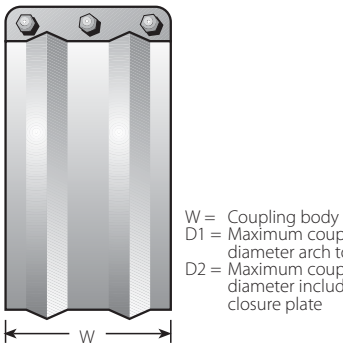
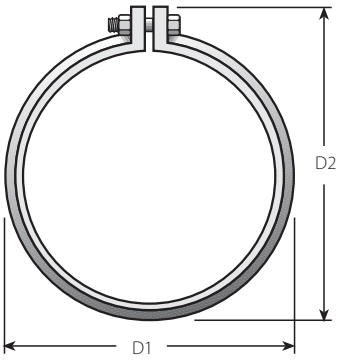
SIMPLE, RUGGED AND DEPENDABLE

DIMENSIONS





STANDARD DESIGNS FOR DEPEND-O-LOK ExE (UNRESTRAINED) COUPLINGS ASTM A36 CARBON STEEL

Size	Design Pressure Class	Body Dimensions In./mm		Dimensions Inches/mm		Style	Number of Segments	Recommended Pipe Gap	Maximum Allowable Deflection
Nominal Pipe Size In./mm	psi	Thickness	Nominal Width (W)	D1	D2	Type	Std.	Inches/mm	Degrees
42 1050	100 689	3/16 5	10 254	43.38 1102	45.00 1143	1	1	0.75 19	2
	150 1034	3/16 5	12 305	43.88 1115	46.00 1168	2	1	1 25	3
	200 1379	1/4 6	12 305	44.00 1118	46.38 1178	2 RC	1	1 25	2.5
	250 - 300 1724 - 2068	3/8 10	12 305	44.25 1124	49.00 1245	2 RC	2	1 25	2.5
48 1200	100 - 150 689 - 1034	1/4 6	12 305	50.00 1270	52.13 1324	2	1	1 25	2.5
	200 - 250 1379 - 1724	3/8 10	12 305	50.25 1276	55.00 1397	2 RC	2	1 25	2.5
	300 2068	1/2 13	14 356	50.75 1289	56.25 1429	2 RC	2	1 25	2.5
54 1375	100 689	1/4 6	12 305	56.25 1429	58.38 1483	2	1	1 25	2
	150 1034	1/4 6	12 305	56.25 1429	58.63 1489	2 RC	1	1 25	2
	200 - 250 1379 - 1724	3/8 10	12 305	56.50 1435	61.25 1556	2 RC	2	1 25	2
	300 2068	1/2 13	14 356	56.75 1441	62.25 1581	2 RC	2	1 25	2
60 1575	100 689	1/4 6	12 305	62.25 1581	66.50 1689	2	2	1 25	2
	150 1034	1/4 6	12 305	62.25 1581	67.00 1702	2 RC	2	1 25	2
	200 1379	3/8 10	12 305	62.50 1588	67.25 1708	2 RC	2	1 25	2
	250 - 300 1724 - 2068	1/2 13	14 356	62.75 1594	68.25 1734	2 RC	2	1 25	2
66 1675	100 689	1/4 6	12 305	68.25 1734	73.00 1854	2 RC	2	1 25	2
	150 - 200 1034 - 1379	3/8 10	12 305	68.50 1740	73.25 1861	2 RC	2	1 25	2
	250 - 300 1724 - 2068	1/2 13	14 356	68.75 1746	74.25 1886	2 RC	2	1 25	2
72 1875	100 689	1/4 6	12 305	74.25 1886	79.00 2007	2 RC	2	1 25	2
	150 1034	3/8 10	12 305	74.50 1892	79.25 2013	2 RC	2	1 25	2
	200 - 250 1379 - 1724	1/2 13	14 356	74.75 1899	80.25 2038	2 RC	2	1 25	2
	300 2068	5/8 16	14 356	75.00 1905	80.50 2045	2 RC	2	1 25	2
78 1981	100 - 150 689 - 1034	3/8 10	12 305	80.50 2045	85.25 2165	2 RC	2	1 25	1
	200 1379	1/2 13	14 356	80.75 2051	86.25 2191	2 RC	2	1 25	1
	250 - 300 1724 - 2068	5/8 16	14 356	81.00 2057	86.50 2197	2 RC	2	1 25	1

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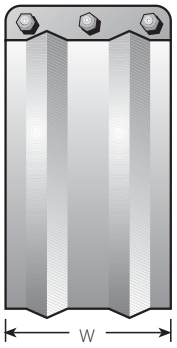
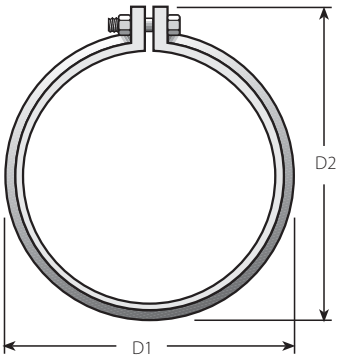


W = Coupling body width
D1 = Maximum coupling diameter arch to arch
D2 = Maximum coupling diameter including closure plate



STANDARD DESIGNS FOR DEPEND-O-LOK ExE (UNRESTRAINED) COUPLINGS ASTM A36 CARBON STEEL

Size	Design Pressure Class	Body Dimensions In./mm		Dimensions Inches/mm		Style	Number of Segments	Recommended Pipe Gap	Maximum Allowable Deflection
Nominal Pipe Size In./mm	psi	Thickness	Nominal Width (W)	D1	D2	Type	Std.	Inches/mm	Degrees
84 2150	100 - 150 689 - 1034	⅜ 10	12 305	86.50 2197	91.25 2318	2 RC	2	1 25	1
	200 1379	½ 13	14 356	86.75 2203	92.25 2343	2 RC	2	1 25	1
	250 1724	⅝ 16	14 356	87.00 2210	92.50 2350	2 RC	2	1 25	1
	300 2068	¾ 19	15 381	87.00 2210	94.50 2400	2 HP	2	1 25	0.5
90 2286	100 689	⅜ 10	12 305	92.50 2350	97.25 2470	2 RC	2	1 25	1
	150 1034	½ 13	14 356	92.75 2356	98.25 2496	2 RC	2	1 25	1
	200 1379	⅝ 16	14 356	93.00 2362	98.50 2502	2 RC	2	1 25	1
	250 - 300 1724 - 2068	¾ 19	15 381	93.00 2362	100.50 2553	2 HP	2	1 25	0.5
96 2450	100 689	⅜ 10	12 305	98.50 2502	103.25 2623	2 RC	2	1 25	1
	150 1034	½ 13	14 356	98.75 2508	104.25 2648	2 RC	2	1 25	1
	200 1379	⅝ 16	14 356	99.00 2515	104.50 2654	2 RC	2	1 25	1
	250 - 300 1724 - 2068	¾ 19	15 381	99.00 2515	106.50 2705	2 HP	2	1 25	0.5
108 2750	100 689	⅜ 10	12 305	110.50 2807	115.25 2927	2 RC	2	1 25	1
	150 1034	½ 13	14 356	110.75 2813	116.25 2953	2 RC	2	1 25	1
	200 1379	⅝ 16	14 356	111.00 2819	116.50 2959	2 RC	2	1 25	1
	250 1724	¾ 19	15 381	111.00 2819	117.00 2972	2 HP	2	1 25	0.5
	300 2068	1 25	15 381	111.50 2832	119.50 3035	2 HP	2	1 25	0.5
120 3050	100 689	⅜ 10	12 305	122.50 3112	127.25 3232	2 RC	2	1 25	1
	150 1034	½ 13	14 356	122.75 3118	128.25 3258	2 RC	2	1 25	1
	200 1379	¾ 19	15 381	123.00 3124	130.50 3315	2 HP	2	1 25	0.5
	250 - 300 1724 - 2068	1 25	15 381	123.50 3137	131.50 3340	2 HP	2	1 25	0.5

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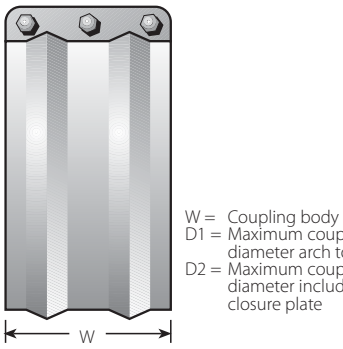
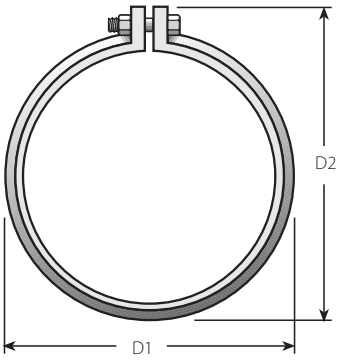




STANDARD DESIGNS FOR DEPEND-O-LOK ExE (UNRESTRAINED) COUPLINGS ASTM A240 316L STAINLESS STEEL

Size	Design Pressure Class (psi)	Body Dimensions In./mm		Dimensions Inches/mm		Style	Number of Segments	Recommended Pipe Gap	Maximum Allowable Deflection
Nominal Pipe Size In./mm	psi	Thickness	Nominal Width (W)	D1	D2	Type	Std.	Inches/mm	Degrees
3 80	25 - 200 172 - 1379	14 ga. 2	5.25 133	4.13 105	5.13 130	1	1	0.38 10	5
4 100	25 - 200 172 - 1379	14 ga. 2	5.25 133	5.13 130	6.13 156	1	1	0.38 10	5
6 150	25 - 200 172 - 1379	12 ga. 3	8 203	7.25 184	8.25 210	1	1	0.5 13	4.5
8 200	25 - 200 172 - 1379	11 ga. 3	10 254	9.25 235	10.38 264	1	1	0.75 19	4
10 250	25 - 200 172 - 1379	10 ga. 3	10 254	11.25 286	12.38 314	1	1	0.75 19	4
12 300	25 - 200 172 - 1379	10 ga. 3	10 254	13.25 337	14.38 365	1	1	0.75 19	4
14 350	25 - 200 172 - 1379	10 ga. 3	10 254	15.25 387	16.38 416	1	1	0.75 19	4
16 400	25 - 200 172 - 1379	10 ga. 3	10 254	17.25 438	18.38 467	1	1	0.75 19	3.5
18 450	25 - 200 172 - 1379	10 ga. 3	10 254	19.25 489	20.88 530	1	1	0.75 19	3.5
20 500	25 - 200 172 - 1379	10 ga. 3	10 254	21.25 540	22.88 581	1	1	0.75 19	3.5
24 600	25 - 150 172 - 1034	10 ga. 3	10 254	25.25 641	26.88 683	1	1	0.75 19	3.5
	200 1379	3/16 5	10 254	25.38 645	27.00 686	1	1	0.75 19	3.5
30 750	25 - 150 172 - 1034	3/16 5	10 254	31.38 797	33.00 838	1	1	0.75 19	2.5
	200 1379	1/4 6	12 305	32.00 813	33.63 854	2	1	1 25	3
36 900	25 - 150 172 - 1034	3/16 5	10 254	37.38 949	39.00 991	1	1	0.75 19	2.5
	200 379	1/4 6	12 305	38.00 965	39.63 1007	2	1	1 25	3
42 1050	25 - 100 172 - 689	3/16 5	10 254	43.38 1102	45.00 1143	1	1	0.75 19	2
	150 1034	1/4 6	12 305	44.00 1118	45.63 1159	2	1	1 25	2.5
	200 1379	3/8 10	12 305	44.25 1124	48.25 1226	2 RC	2	1 25	2.5
48 1200	25 - 150 172 - 1034	1/4 6	12 305	50.00 1270	51.63 1311	2	1	1 25	2.5
	200 1379	3/8 10	12 305	50.25 1276	54.25 1378	2 RC	2	1 25	2.5
54 1375	25 - 100 172 - 689	1/4 6	12 305	56.25 1429	58.75 1492	2	1	1 25	2
	150 - 200 1034 - 1379	3/8 10	12 305	56.5 1435	61.50 1562	2 RC	2	1 25	2
60 1575	25 - 100 172 - 689	1/4 6	12 305	62.25 1581	67.25 1708	2	2	1 25	2
	150 1034	3/8 10	12 305	62.50 1588	67.50 1714	2 RC	2	1 25	2

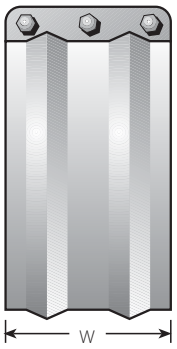
Shaded areas are gauge/mm. All unshaded areas are in/mm.

Table continued on next page

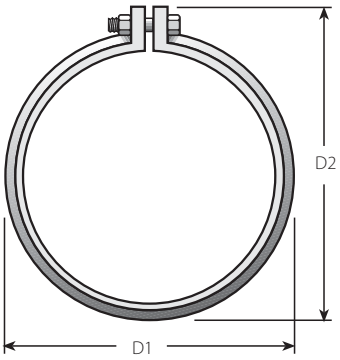
Depend-O-Lok ExE Non-Restrained Flexible Coupling

A COUPLING SYSTEM THAT PROVIDES NON-RESTRAINED PIPE JOINTS.
SIMPLE, RUGGED AND DEPENDABLE

DIMENSIONS



W = Coupling body width
D1 = Maximum coupling diameter arch to arch
D2 = Maximum coupling diameter including closure plate



STANDARD DESIGNS FOR DEPEND-O-LOK ExE (UNRESTRAINED) COUPLINGS ASTM A240 316L STAINLESS STEEL

Size	Design Pressure Class (psi)	Body Dimensions In./mm		Dimensions Inches/mm		Style	Number of Segments	Recommended Pipe Gap	Maximum Allowable Deflection
Nominal Pipe Size In./mm	psi	Thickness	Nominal Width (W)	D1	D2	Type	Std.	Inches/mm	Degrees
60 1575	200 1379	½ 13	14 356	62.75 1594	67.75 1721	2 RC	2	1 25	2
66 1675	25 - 50 172 - 345	¼ 6	12 305	68.25 1734	73.25 1861	2	2	1 25	2
	100 - 150 689 - 1034	⅜ 10	12 305	68.50 1740	73.50 1867	2 RC	2	1 25	2
	200 1379	½ 13	14 356	68.75 1746	73.75 1873	2 RC	2	1 25	2
72 1825	25 - 50 172 - 345	¼ 6	12 305	74.25 1886	79.25 2013	2	2	1 25	2
	100 - 150 689 - 1034	⅜ 10	12 305	74.50 1892	79.50 2019	2 RC	2	1 25	2
	200 1379	½ 13	14 356	74.75 1899	79.75 2026	2 RC	2	1 25	2
78 1981	25 - 50 172 - 345	¼ 6	12 305	80.25 2038	85.25 2165	2	2	1 25	1
	100 - 150 689 - 1034	⅜ 10	12 305	80.50 2045	85.50 2172	2 RC	2	1 25	1
	200 1379	½ 13	14 356	80.75 2051	85.75 2178	2 RC	2	1 25	1
84 2150	25 - 50 172 - 345	¼ 6	12 305	86.25 2191	91.25 2318	2	2	1 25	1
	100 689	⅜ 10	12 305	86.50 2197	91.50 2324	2 RC	2	1 25	1
	150 1034	½ 13	14 356	86.75 2203	91.75 2330	2 RC	2	1 25	1
90 2286	25 - 50 172 - 345	¼ 6	12 305	92.25 2343	97.25 2470	2	2	1 25	1
	100 689	⅜ 10	12 305	92.50 2350	97.50 2477	2 RC	2	1 25	1
	150 1034	½ 13	14 356	92.75 2356	97.75 2483	2 RC	2	1 25	1
96 2450	25 - 50 172 - 345	¼ 6	12 305	98.25 2496	103.25 2623	2	2	1 25	1
	100 689	⅜ 10	12 305	98.50 2502	103.50 2629	2 RC	2	1 25	1
	150 1034	½ 13	14 356	98.75 2508	103.75 2635	2 RC	2	1 25	1

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AIR PIPING

STAINLESS SYSTEMS

Stainless steel pipe is becoming increasingly popular in water and wastewater treatment plant design. Prior to 1981, stainless steel couplings were not readily available and were overly expensive. Since then Depend-O-Lok stainless steel couplings have been available to provide owners with a total stainless steel system at a reasonable price. Now engineers can design entire stainless steel systems that offer long term economy without the need for carbon steel couplings or ductile iron flanges in contact with the stainless steel pipe.

⚠ CAUTION

- **Due to the large volumes of air involved in jobsite air testing and the nature of pressurized air or gas, Victaulic urges Engineers and Contractors to limit jobsite test pressure to 25 psi/175 kPa or less.**

O-RING GASKET MATERIAL FOR AIR SERVICE

- **EPDM**
  Temperature range –30°F to +230°F/–34°C to +110°C. Excellent resistance to the deteriorative effects of ozone, oxygen, heat and most chemicals.
- **Silicone**
  Temperature range –30°F to +350°F/–34°C to +177°C. Excellent resistance to ozone. Good resistance to many chemicals.
- **Fluoroelastomer**
  Temperature range –20°F to +300°F/–28°C to +149°C. Outstanding resistance to heat and chemicals.

Note: Other gasket compounds are available if required. Contact Victaulic.

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WATER PIPING

TESTING

Depend-O-Lok couplings are designed and built to seal air and water at a wide range of pressures. Our couplings are randomly tested at the plant to 150 psi/1035 kPa.

STANDARD APPLICATIONS

Piping in:

- Water Plants
- Wastewater Plants
- Force Main Piping
- Slurry Lines
- Penstocks

VACUUM SERVICE

The arched shape of the D-O-L body creates high section modulus. Depend-O-Lok couplings are an excellent choice for vacuum and negative pressure (submerged) service.

O-RING GASKET MATERIAL FOR WATER & SEWAGE SERVICE

- **Isoprene**
  Temperature range –40°F to +160°F/–40°C to +71°C. Excellent resistance to water, salt water, and sewage. Good resistance to oxygen and dilute acids.
- **EPDM**
  Temperature range –30°F to +230°F/–34°C to +110°C. Excellent resistance to water and salt water.
- **Nitrile**
  Temperature range –20°F to +180°F/–28°C to +82°C. Excellent resistance to petroleum oils and gasolines. Good resistance to hydrocarbons, acids and bases.

Note: Other gasket compounds are available if required. Contact Victaulic.

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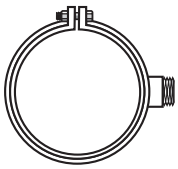
DEPEND-O-LOK SPECIAL COUPLING ASSEMBLIES



BUILT-IN GASKET

Depend-O-Lok ExE Type 2 couplings can be manufactured with the gasket assemblies built into the coupling itself. This makes underwater installations or installations in tight quarters easier. By allowing the gasket to be positioned over the pipe joint, the coupling can be closed with assurance that all components are positioned properly and the installed coupling will be sealed tight.

SEGMENTED COUPLINGS

All ExE couplings are available in two or more segments. This offers an advantage with larger couplings, because it reduces shipping and handling costs. Segmented couplings have the further advantage of reducing the down time to replace a coupling on an existing pipe since the pipe does not have to be moved to allow for a flange ring, seals, or a one-piece sleeve as with traditional sleeve couplings.

The unique design of the coupling housing and gasket assembly makes Depend-O-Lok the most adaptable coupling system available. It can be modified to meet a variety of special conditions your job may experience. These adaptations include, but are not limited to:

Insulating Couplings are available to provide for isolation between two different metallic pipe materials.

Outlet Couplings are available with flanged, threaded, grooved, or plain outlet ends. They may be used in a wide variety of applications to reduce field labor costs. Outlet diameters up to 3" IPS are available on 12" wide D-O-L couplings. Larger outlet diameters can be furnished by utilizing couplings wider than standard.

Flanged Adapter Couplings are ideal for speeding field installations of flanged valves, pumps and fittings. Depend-O-Lok products allow for considerable dimensional tolerance in the field and they disassemble easily to facilitate removal of valves and pumps for maintenance or replacement.

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

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