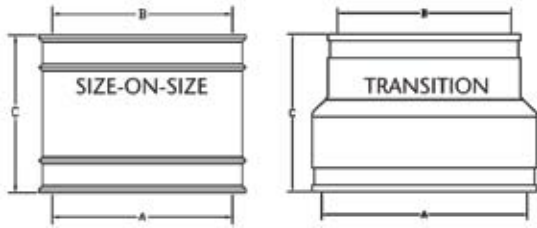


Flex-Seal® Unshielded Sewer Couplings



An extensive line of flexible sewer couplings that connect similar and dissimilar pipe materials and sizes. Sizes 1¼" to 96".

MR56 Series

Cast Iron or Plastic to Cast iron or Plastic		A		B		C Width
		Min.	Max.	Min.	Max.	
MR56 075	¾" CI/PL to ¾" CI/PL	.97	1.14	.97	1.14	2.00
MR56 100	1" CI/PL to 1" CI/PL	1.25	1.40	1.25	1.40	2.00
MR56 125	1½" Tubing, Copper or 1¼" PL to Same	1.39	1.66	1.39	1.66	2.50
MR56 15/125	1¼" CI/PL to 1½" Tubing, Copper or 1¼" PL to Same	1.81	2.00	1.81	2.00	2.50
MR56 15	1½" CI/PL to 1½" CI/PL	1.81	2.00	1.81	1.90	3.50
MR56 215	2" CI/PL to 1½" CI/PL	2.30	2.50	1.81	2.00	3.50
MR56 22/125	2" CI/PL to 1½" Tubing, Copper or 1¼" PL to Same	2.30	2.50	1.39	1.66	2.50
MR56 22	2" CI/PL to 2" CI/PL	2.30	2.50	2.30	2.50	3.50
MR56 315	3" CI/PL to 1½" CI/PL	3.25	3.50	1.81	2.00	4.00
MR56 32	3" CI/PL to 2" CI/PL	3.25	3.50	2.30	2.50	4.00
MR56 33	3" CI/PL to 3" CI/PL	3.25	3.50	3.25	3.50	4.00
MR56 415	4" CI/PL to 1½" CI/PL	4.21	4.50	1.81	2.00	4.00
MR56 42	4" CI/PL to 2" CI/PL	4.21	4.50	2.30	2.50	4.00
MR56 43	4" CI/PL to 3" CI/PL	4.21	4.50	3.25	3.50	4.00
MR56 43 Offset	4" CI/PL to 3" Eccentric	4.21	4.50	3.25	3.50	4.00
MR56 44	4" CI/PL to 4" CI/PL	4.21	4.50	4.21	4.50	4.00
MR56 53	5" CI/PL to 3" CI/PL	5.30	5.62	3.25	3.50	4.00
MR56 54	5" CI/PL to 4" CI/PL	5.30	5.62	4.21	4.50	4.00
MR56 55	5" CI/PL to 5" CI/PL	5.30	5.62	5.30	5.62	4.00
MR56 63f	6" CI/PL to 3" CI/PL	6.27	6.62	3.25	3.50	6.00
MR56 64	6" CI/PL to 4" CI/PL	6.27	6.62	4.21	4.50	6.00
MR56 65 Type O	6" Oversize CI/PL to 5" CI/PL	6.38	6.78	5.30	5.62	6.50
MR56 66	6" CI/PL to 6" CI/PL	6.27	6.62	6.27	6.62	6.00
MR56 84	8" CI/PL to 4" CI/PL	8.40	9.00	4.30	4.62	7.00
MR56 85 Type O	8" Oversize CI/PL to 5" CI/PL	8.40	9.00	5.30	5.62	7.00
MR56 86	8" CI/PL to 6" CI/PL	8.12	8.75	6.27	6.62	6.00
MR56 88	8" CI/PL to 8" CI/PL	8.12	8.62	8.12	8.62	6.00
MR56 1006 Type O	10" Oversize CI/PL to 6" CI/PL	10.40	11.00	6.35	6.70	7.00
MR56 1008	10" CI/PL to 8" CI/PL	10.20	10.80	8.12	8.75	6.50
MR56 1010	10" CI/PL to 10" CI/PL	10.20	10.80	10.20	10.80	6.50
MR56 1210	12" CI/PL to 10" CI/PL	12.20	12.80	10.20	10.80	6.50
MR56 1212	12" CI/PL to 12" CI/PL	12.20	12.80	12.20	12.80	6.50
MR56 1512f	15" CI/PL to 12" CI/PL	14.90	15.40	12.20	12.80	6.00
MR56 1515	15" TWP to 15" TWP	14.90	15.40	14.90	15.40	6.00
MR56 1616	16" PL (SCH 40) to 16" PL (SCH 40)	15.50	16.00	15.50	16.00	10.00
MR56 1815f	18" CI/PL to 15" CI/PL	18.30	18.80	14.90	15.40	10.00
MR56 1818	18" CI/PL to 18" CI/PL	18.30	18.80	18.30	18.80	10.00
MR56 2121	21" CI/PL to 21" CI/PL	21.50	22.00	21.50	22.00	10.00
MR56 2424	24" CI/PL to 24" CI/PL	24.20	24.90	24.20	24.90	10.00
MR56 2727	27" CI/PL to 27" CI/PL	27.50	28.00	27.50	28.00	10.00

f: Supplied with a flanged bushing

Features

Flexibility - Sleeve is manufactured of molded natural and synthetic rubber

Leakproof Seal - Inside surfaces of transitional size couplings are stepped to conform better to different pipe sizes

Tight Fitting - Two series 300 stainless steel worm drive clamping bands hold pipe ends securely

Corrosion Resistant - Use of stainless steel clamping bands are highly effective in a variety of environments

Withstands Tension and Compression - Blends of natural and synthetic rubbers permit a substantial degree of distortion without change in basic physical or chemical resistance unlike other manufacturers' thermoplastic coupling materials

Specifications

- Manufactured with natural and synthetic rubbers conforming to **ASTM C425** and **ASTM C1173**
- Series 300 stainless steel conforms to **ASTM A240**
- Conforms to ISO 9001 quality standards

TECHNICAL DATA SPECIFICATIONS

Property	Flex-Seal® Compound	Plasticized PVC
Ozone Resistance	A	A
Weathering, Sunlight Aging and Outdoor Use	A	A
Water Resistance	A	A
Low Temperature Flexibility	A	C
High Temperature Resistance	A	D
Animal Fat Resistance	B	D
Vegetable Oils Resistance	B	B
Ammonia	A	A
Compression Set	A	C

RATINGS: A - Excellent, B - Good, C - Fair, D - Poor

Flex-Seal® Unshielded Sewer Couplings

100% MADE



IN THE USA



MR01 Series

Clay to Clay		A		B		C
		Min.	Max.	Min.	Max.	Width
MR01 44	4" CL to 4" CL	5.00	5.40	5.00	5.40	4.00
MR01 54f	5" CL to 4" CL	6.03	6.56	5.00	5.40	6.00
MR01 55	5" CL to 5" CL	6.03	6.56	6.03	6.56	6.00
MR01 64	6" CL to 4" CL	7.20	7.80	5.00	5.40	6.00
MR01 64 Type O	6" Oversize CL to 4" CL	7.50	8.12	5.00	5.40	6.00
MR01 65	6" CL to 5" CL	7.20	7.80	6.27	6.62	6.00
MR01 66	6" CL to 6" CL	7.20	7.80	7.20	7.80	6.00
MR01 86f	8" CL to 6" CL	9.40	10.00	7.20	7.80	6.00
MR01 88	8" CL to 8" CL	9.40	10.00	9.40	10.00	6.00
MR01 1008f	10" CL to 8" CL	11.85	12.45	9.40	10.00	6.00
MR01 1010	10" CL to 10" CL	11.85	12.45	11.85	12.45	6.00
MR01 1210f	12" CL to 10" CL	14.20	14.80	11.85	12.45	6.00
MR01 1212	12" CL to 12" CL	14.20	14.80	14.20	14.80	6.00
MR01 1512f	15" CL to 12" CL	17.80	18.30	14.20	14.80	6.00
MR01 1515	15" CL to 15" CL	17.80	18.30	17.80	18.30	10.00
MR01 1818	18" CL to 18" CL	21.80	22.30	21.80	22.30	10.00
MR01 2121	21" CL to 21" CL	25.50	25.90	25.50	25.90	10.00
MR01 2424	24" CL to 24" CL	29.60	30.30	29.60	30.30	10.00
MR01 2727	27" CL to 27" CL	31.80	32.50	31.80	32.50	10.00

f: Supplied with a flanged bushing

MR02 Series

Clay to Cast Iron or Plastic		A		B		C
		Min.	Max.	Min.	Max.	Width
MR02 43	4" CL to 3" CI/PL	5.00	5.40	3.25	3.50	4.00
MR02 44	4" CL to 4" CI/PL	5.00	5.40	4.21	4.50	4.00
MR02 46	4" CL to 6" CI/PL	5.00	5.40	6.27	6.62	6.00
MR02 55	5" CL to 5" CI/PL	6.27	6.62	5.30	5.62	5.00
MR02 64	6" CL to 4" CI/PL	7.20	7.80	4.21	4.50	6.00
MR02 66	6" CL to 6" CI/PL	7.20	7.80	6.27	6.62	6.00
MR02 86	8" CL to 6" CI/PL	9.40	10.00	6.27	6.62	6.00
MR02 88	8" CL to 8" CI/PL	9.40	10.00	8.25	8.62	6.00
MR02 1008f	10" CL to 8" CI/PL	11.85	12.45	8.25	8.62	6.50
MR02 1010	10" CL to 10" CI/PL	11.85	12.45	10.20	10.80	6.50
MR02 1210f	12" CL to 10" CI/PL	14.20	14.80	10.20	10.80	6.50
MR02 1212	12" CL to 12" CI/PL	14.20	14.80	12.20	12.80	6.50
MR02 1512f	15" CL to 12" CI/PL	17.80	18.30	12.20	12.80	6.00
MR02 1515	15" CL to 15" CI/PL	17.80	18.30	14.90	15.40	6.00
MR02 1818f	18" CL to 18" CI/PL	21.80	22.30	18.30	18.80	10.00
MR02 2121f	21" CL to 21" CI/PL	25.50	25.90	21.50	22.00	10.00
MR02 2424f	24" CL to 24" CI/PL	29.60	30.30	24.20	24.90	10.00
MR02 2727f	27" CL to 27" CI/PL	31.80	32.50	27.50	28.00	10.00

f: Supplied with a flanged bushing

MR03 Series

Clay to Asbestos Cement or Ductile Iron		A		B		C
		Min.	Max.	Min.	Max.	Width
MR03 44	4" CL to 4" AC/DI	5.00	5.40	4.62	4.93	4.00
MR03 54f	5" CL to 4" AC/DI	6.03	6.62	4.62	4.93	5.00
MR03 55ff	5" CL to 5" AC/DI	6.03	6.40	5.53	5.90	6.00
MR03 64f	6" CL to 4" AC/DI	7.20	7.80	4.62	4.93	6.00
MR03 65f	6" CL to 5" AC/DI	7.20	7.80	5.75	6.12	6.00
MR03 66	6" CL to 6" AC/DI	7.20	7.80	6.75	7.12	6.00
MR03 85f	8" CL to 5" AC/DI	9.40	10.00	6.03	6.40	6.00
MR03 86f	8" CL to 6" AC/DI	9.40	10.00	6.75	7.12	6.00
MR03 88	8" CL to 8" AC/DI	9.40	10.00	8.75	9.25	6.00
MR03 1008f	10" CL to 8" AC/DI	11.85	12.45	8.75	9.25	6.50
MR03 1010	10" CL to 10" AC/DI	11.85	12.45	10.70	11.20	6.50
MR03 1210f	12" CL to 10" AC/DI	14.20	14.80	10.70	11.20	6.50
MR03 1212	12" CL to 12" AC/DI	14.20	14.80	12.75	13.30	6.50
MR03 1512f	15" CL to 12" AC/DI	17.80	18.30	12.75	13.30	6.00
MR03 1516f	15" CL to 16" AC/DI	17.80	18.30	17.40	17.90	10.00
MR03 1818f	18" CL to 18" AC/DI	21.80	22.30	19.30	19.80	10.00

f: Supplied with a flanged bushing

MR04 Series

Concrete to Concrete		A		B		C
		Min.	Max.	Min.	Max.	Width
MR04 44	4" Conc to 4" Conc	5.50	6.00	5.50	6.00	4.00
MR04 64	6" Conc to 4" Conc	7.50	8.12	5.50	6.00	6.00
MR04 66	6" Conc to 6" Conc	7.50	8.12	7.50	8.12	6.00
MR04 86f	8" Conc to 6" Conc	10.00	10.50	7.50	8.12	6.00
MR04 88	8" Conc to 8" Conc	10.00	10.50	10.00	10.50	6.00
MR04 1008f	10" Conc to 8" Conc	12.30	12.80	10.00	10.50	6.00
MR04 1010	10" Conc to 10" Conc	12.30	12.80	12.30	12.80	6.00
MR04 1210f	12" Conc to 10" Conc	14.60	15.10	12.30	12.80	6.00
MR04 1212	12" Conc to 12" Conc	14.60	15.10	14.60	15.10	6.00
MR04 1515	15" Conc to 15" Conc	19.40	19.90	19.40	19.90	10.00
MR04 1818	18" Conc to 18" Conc	22.10	22.60	22.10	22.60	10.00
MR04 2121	21" Conc to 21" Conc	25.90	26.60	25.90	26.60	10.00
MR04 2424	24" Conc to 24" Conc	29.90	30.60	29.90	30.60	10.00
MR04 2727	27" Conc to 27" Conc	33.40	34.10	33.40	34.10	10.00

f: Supplied with a flanged bushing

Flex-Seal® Unshielded Sewer Couplings

MR06 Series

Concrete to Cast Iron or Plastic		A		B		C
		Min.	Max.	Min.	Max.	Width
MR06 43f	4" Conc to 3" CI/PL	5.50	6.00	3.21	3.50	4.00
MR06 44	4" Conc to 4" CI/PL	5.50	6.00	4.21	4.50	4.00
MR06 64	6" Conc to 4" CI/PL	7.50	8.12	4.21	4.50	6.00
MR06 65	6" Conc to 5" CI/PL	7.50	8.12	5.00	5.40	6.00
MR06 66	6" Conc to 6" CI/PL	7.50	8.12	6.25	6.62	6.00
MR06 86f	8" Conc to 6" CI/PL	10.00	10.50	6.25	6.62	6.00
MR06 88	8" Conc to 8" CI/PL	10.00	10.50	8.12	8.40	6.00
MR06 1008f	10" Conc to 8" CI/PL	12.55	13.20	8.12	8.75	6.00
MR06 1010	10" Conc to 10" CI/PL	12.55	13.20	10.34	10.85	6.00
MR06 1210f	12" Conc to 10" CI/PL	15.00	15.80	10.34	10.85	6.00
MR06 1212	12" Conc to 12" CI/PL	15.00	15.80	12.30	12.90	6.00
MR06 1515	15" Conc to 15" CI/PL	19.40	19.90	14.90	15.40	10.00
MR06 1818f	18" Conc to 18" CI/PL	22.10	22.60	18.30	18.80	10.00
MR06 2121f	21" Conc to 21" CI/PL	25.90	26.60	21.40	22.10	10.00
MR06 2424f	24" Conc to 24" CI/PL	29.90	30.60	24.40	25.10	10.00
MR06 2727f	27" Conc to 27" CI/PL	33.40	34.10	27.40	28.10	10.00

f: Supplied with a flanged bushing



MR51 Series

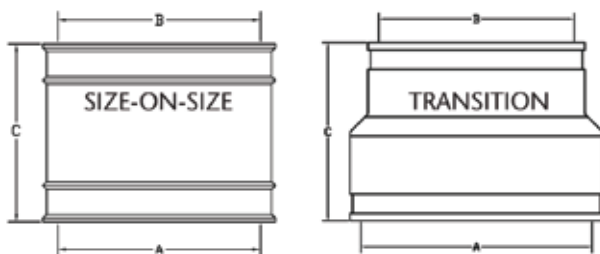
Asbestos Cement or Ductile Iron to Cast Iron or Plastic		A		B		C
		Min.	Max.	Min.	Max.	Width
MR51 43f	4" AC/DI to 3" CI/PL	4.62	4.93	3.25	3.50	4.00
MR51 44	4" AC/DI to 4" CI/PL	4.62	4.93	4.21	4.50	4.00
MR51 54	5" AC/DI to 4" CI/PL	5.40	5.90	4.45	4.75	4.00
MR51 54 Type O	5" AC/DI to 4" Oversize CI/PL	5.40	5.90	4.08	5.10	4.00
MR51 55f	5" AC/DI to 5" CI/PL	5.62	5.93	5.30	5.62	5.00
MR51 56	5" AC/DI to 6" CI/PL	5.62	5.93	6.25	6.62	5.80
MR51 64	6" AC/DI to 4" CI/PL	6.75	7.12	4.21	4.50	6.00
MR51 65f	6" AC/DI to 5" CI/PL	6.75	7.12	5.00	5.40	6.00
MR51 66	6" AC/DI to 6" CI/PL	6.75	7.12	6.27	6.62	6.00
MR51 86f	8" AC/DI to 6" CI/PL	8.75	9.25	6.27	6.62	6.00
MR51 88	8" AC/DI to 8" CI/PL	8.75	9.25	8.25	8.62	6.00
MR51 1008f	10" AC/DI to 8" CI/PL	10.84	11.40	8.25	8.62	6.00
MR51 1010	10" AC/DI to 10" CI/PL	10.84	11.40	10.34	10.87	6.00
MR51 1210f	12" AC/DI to 10" CI/PL	12.90	13.50	10.20	10.80	6.00
MR51 1212	12" AC/DI to 12" CI/PL	12.90	13.50	12.20	12.80	6.00
MR51 1615f	16" AC/DI to 15" CI/PL	17.40	17.90	14.90	15.40	10.00
MR51 1818f	18" AC/DI to 18" CI/PL	19.10	19.60	18.30	18.80	10.00

f: Supplied with a flanged bushing

MR55 Series

Asbestos Cement or Ductile Iron to Asbestos Cement or Ductile Iron		A		B		C
		Min.	Max.	Min.	Max.	Width
MR55 44	4" AC/DI to 4" AC/DI	4.62	4.93	4.62	4.93	4.00
MR55 54f	5" AC/DI to 4" AC/DI	5.62	5.93	4.62	4.93	6.00
MR55 55	5" AC/DI to 5" AC/DI	5.62	5.93	5.62	5.93	6.00
MR55 64	6" AC/DI to 4" AC/DI	6.75	7.12	4.62	4.93	6.00
MR55 65f	6" AC/DI to 5" AC/DI	6.75	7.12	5.62	5.93	6.00
MR55 66	6" AC/DI to 6" AC/DI	6.75	7.12	6.75	7.12	6.00
MR55 86f	8" AC/DI to 6" AC/DI	8.75	9.25	6.75	7.25	6.00
MR55 88	8" AC/DI to 8" AC/DI	8.75	9.25	8.75	9.25	6.00
MR55 1008f	10" AC/DI to 8" AC/DI	10.70	11.20	8.75	9.25	6.00
MR55 1010	10" AC/DI to 10" AC/DI	10.70	11.20	10.70	11.20	6.00
MR55 1210f	12" AC/DI to 10" AC/DI	12.90	13.50	11.30	11.80	6.00
MR55 1212	12" AC/DI to 12" AC/DI	12.90	13.50	12.90	13.50	6.00
MR55 1616	16" AC/DI to 16" AC/DI	17.40	17.90	17.40	17.90	10.00
MR55 1818	18" AC/DI to 18" AC/DI	19.10	19.60	19.10	19.60	10.00

f: Supplied with a flanged bushing



TECHNICAL DATA SPECIFICATIONS

Property	Flex-Seal® Compound	Plasticized PVC
Ozone Resistance	A	A
Weathering, Sunlight Aging and Outdoor Use	A	A
Water Resistance	A	A
Low Temperature Flexibility	A	C
High Temperature Resistance	A	D
Animal Fat Resistance	B	D
Vegetable Oils Resistance	B	B
Ammonia	A	A
Compression Set	A	C

RATINGS: A - Excellent, B - Good, C - Fair, D - Poor