



# Style "501" Straight, Transition and Long Barrel Couplings

## Material Specifications

**Center Rings:** Ductile iron per ASTM A 536, Grade 65-45-12. Yellow shopcoat. Epoxy and special coatings available on request.

**End Rings:** Ductile iron per ASTM A 536, Grade 65-45-12. Color coded RED for O.D. and Std. Stl., BLAC for cast iron and YELLOW for A/C.

**Gaskets:** SBR per ASTM D 2000 MBA 710, compounded for water and sewer service. Other compounds available on request.

**Bolts and Nuts:** Trackhead bolts, heavy hex nuts, UNC 5/8" rolled thread, high strength, low alloy, corrosion resistant steel per AWWA C111. Other materials or special coatings available on request.

**Options:** For other options and specifications, see Page 2-24.

**Pressure:** When properly installed on a pipe that is within the correct OD range, the Romac 501 can be used at working pressures up to 260 psi.



**WARNING:** Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions. See Page 7-4 for appropriate restraint system.



**CAUTION:** Couplings with a step in the center ring have the potential for migrating along the pipe, therefore some form of restraint should be used.

**Meets  
AWWA C219**

NOM. PIPE SIZE	ONE END			BY	OTHER END			BY	CR LGTH	LIST PRICE							
	COLOR CODE	GASKET RANGE	APPROX. USE		X	COLOR CODE	GASKET RANGE			APPROX. USE	X	SHOPCOAT			FUSION EPOXY		
												w/STD B&N	w/304 SS B&N	w/316 SS B&N	w/STD B&N	w/304 SS B&N	w/316 SS B&N
2"	RED	2.00 - 2.14	O.D. Stl., Copper	X	RED	2.00 - 2.14	O.D. Stl., Copper	X	5" <sup>1</sup>		\$70.74	\$92.26	\$131.33	\$87.08	\$108.59	\$147.68	
		2.12 - 2.38	Std. Stl., Copper, PVC			2.12 - 2.38	Std. Stl., Copper, PVC										
		2.35 - 2.65	Std. Stl., Copper, PVC			2.35 - 2.65	Std. Stl., Copper, PVC										
		2.50 - 3.00	C.I., Copper, PVC			2.50 - 3.00	C.I., Copper, PVC										
3"	RED	3.00 - 3.29	Copper, OD Steel	X	RED	3.00 - 3.29	Copper, OD Steel	X	5" <sup>1</sup>	112.67	162.62	233.86	139.23	189.18	260.43		
		3.30 - 3.51	Std. Stl. & PVC			3.30 - 3.51	Std. Steel & PVC			136.32	197.70	302.65	168.43	229.83	334.77		
		3.50 - 4.00	Std. Stl., CI/DI & PVC			3.50 - 4.00	Std. Stl., CI/DI & PVC		10"								
4"	RED	3.80 - 4.05	O.D. Stl., 3" D.I.	X	RED	3.80 - 4.05	O.D. Stl.	X	5" <sup>1</sup>	133.57	176.63	254.77	165.05	208.10	286.25		
		4.06 - 4.31	Riv. Stl.			4.06 - 4.31	Riv. Stl.		7"	170.37	220.33	311.25	210.52	260.48	351.39		
		4.50 - 4.70	Std. Stl., PVC			4.50 - 4.70	Std. Stl., PVC		10"	191.87	253.24	358.19	237.07	298.44	403.40		
	BLACK	4.80 - 5.00	Cast Iron & PVC		BLACK	4.80 - 5.00	Cast Iron & PVC		12"	304.26	365.62	470.58	375.94	437.32	542.27		
		4.74 - 5.10	C.I. & A/CME			4.74 - 5.10	C.I. & A/CME			14"	343.94	419.80	607.03	424.98	500.84	688.08	
		5.11 - 5.30	A/C R.B.			5.11 - 5.30	A/C R.B.										
YELLOW	5.11 - 5.40	A/C R.B. CL. 200	YELLOW	5.11 - 5.40	A/C R.B. CL. 200												
6"	RED	5.40 - 5.60 <sup>2</sup>	Std. Stl. & PVC	X	RED	5.40 - 5.60 <sup>2</sup>	Std. Stl. & PVC	X	5" <sup>1</sup>	181.80	235.62	308.34	224.65	278.46	376.15		
		5.60 - 5.79 <sup>2</sup>	Std. Stl. & PVC			5.60 - 5.79 <sup>2</sup>	Std. Stl. & PVC			7"	215.98	278.43	392.08	266.89	329.31	442.99	
		5.80 - 5.98 <sup>2</sup>	Std. Stl. & PVC			5.80 - 5.98 <sup>2</sup>	Std. Stl. & PVC		10"	287.36	364.09	495.27	355.11	431.81	563.02		
		5.80 - 6.10	O.D. Stl.			5.80 - 6.10	O.D. Stl.			12"	374.84	451.55	582.75	463.15	539.88	671.06	
	6.05 - 6.30	Riv. Stl.	6.05 - 6.30		Riv. Stl.	14"	408.14		500.22	736.99	504.31	596.41	706.38				
	6.55 - 6.76	Std. Stl. & PVC	6.55 - 6.76		Std. Stl. & PVC												
BLACK	6.90 - 7.10	Cast Iron & PVC	BLACK	6.90 - 7.10	Cast Iron & PVC												
	6.86 - 7.20	C.I. & A/CME		6.86 - 7.20	C.I. & A/CME												
YELLOW	7.26 - 7.60	A/C R.B. CL. 200	YELLOW	7.26 - 7.60	A/C R.B. CL. 200												
8"	RED	7.80 - 8.10	O.D. Stl.	X	RED	7.80 - 8.10	O.D. Stl.	X	5" <sup>1</sup>	230.32	294.91	412.11	284.60	349.19	466.39		
		8.05 - 8.30	Riv. Stl.			8.05 - 8.30	Riv. Stl.			7"	271.10	346.01	482.40	334.97	409.91	546.28	
		8.30 - 8.55	C.I-Soil, PVC Sewer			8.30 - 8.55	C.I-Soil, PVC Sewer		10"	352.39	444.44	601.89	435.44	527.48	684.94		
		8.55 - 8.75	Std. Stl., PVC			8.55 - 8.75	Std. Stl. & PVC			12"	479.21	571.26	728.70	592.11	684.17	841.62	
	BLACK	8.60 - 9.06	Std. Stl., D.I. & PVC		BLACK	8.60 - 9.06	Std. Stl., D.I. & PVC		14"	512.38	622.90	907.01	633.12	743.64	1,027.76		
		9.05 - 9.30	Cast Iron & PVC			9.05 - 9.30	Cast Iron & PVC										
YELLOW	9.39 - 9.79	A/C R.B. CL. 200	YELLOW	9.39 - 9.79	A/C R.B. CL. 200												

<sup>1</sup> Standard Center Ring length.

<sup>2</sup> Requires special 5" end ring.

**To Order:** Determine O.D. of pipes to be coupled. Select proper gasket range for each pipe from above table. Insert high range of each gasket into catalog number as follows: 501 - one end x other end.

**Example:** To couple 4" A/C rough barrel and 4" O.D. steel with 5" Center Ring, order **501-5.30 x 4.05 X 5**

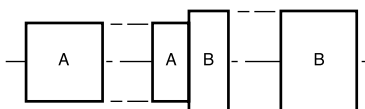


# Style "501" Straight, Transition and Long Barrel Couplings

NOM. PIPE SIZE	ONE END				BY	OTHER END				BY	CR LGTH	LIST PRICE						
	COLOR CODE	GASKET RANGE	APPROX. USE	X		COLOR CODE	GASKET RANGE	APPROX. USE	X			SHOPCOAT			FUSION EPOXY			
												w/STD B&N	w/304 SS B&N	w/316 SS B&N	w/STD B&N	w/304 SS B&N	w/316 SS B&N	
10"	RED	9.80 - 10.10A 10.20 - 10.55A 10.70 - 11.00A	O.D. Stl. CI Soil, PVC Sewer Std. Stl. & PVC	X	RED	9.80 - 10.10A 10.20 - 10.55A 10.70 - 11.00A	O.D. Stl. CI Soil, PVC Sewer Riv. Stl.	X	6" 1,2 A, B & AB 7" 2 B Only 12" 2 A & B, AB 14" 2 B Only	6"	\$317.79	\$405.19	\$564.32	\$392.67	\$480.08	\$639.20		
	BLACK	10.70 - 10.80B 10.89 - 11.40B	Std. Stl. & PVC Cast Iron & PVC		BLACK	10.70 - 10.80B 10.89 - 11.40B	Std. Stl. & PVC Cast Iron & PVC			7"	423.61	511.03	670.14	523.45	610.85	769.97		
	YELLOW	11.55 - 11.75B 11.76 - 12.12B	A/CME A/C R.B.		YELLOW	11.55 - 11.75B 11.76 - 12.12B	A/CME A/C R.B.			14"	661.37	790.29	1,121.77	817.22	946.15	1,276.96		
12"	RED	11.81 - 12.10A 11.95 - 12.25A 12.24 - 12.50A 12.65 - 12.95A	O.D. Stl. PVC SDR 41 CI Soil, PVC Sewer Std. Stl. & PVC	X	RED	11.81 - 12.10A 11.95 - 12.25A 12.24 - 12.50A 12.65 - 12.95A	O.D. Stl. PVC SDR 41 CI Soil, PVC Sewer Std. Stl. & PVC	X	6" 1,2 A, B & AB 7" 2 B Only 12" 2 A & B, AB 14" 2 B Only	6"	382.20	482.10	663.95	472.26	572.16	754.02		
	BLACK	12.70 - 12.80B 13.15 - 13.55B	Std. Stl. & PVC Cast Iron & PVC		BLACK	12.70 - 12.80B 13.15 - 13.55B	Std. Stl. & PVC Cast Iron & PVC			7"	474.51	574.39	756.25	586.33	686.22	868.07		
	YELLOW	13.85 - 14.10B 14.03 - 14.40B	A/CME A/C R.B.		YELLOW	13.85 - 14.10B 14.03 - 14.40B	A/CME A/C R.B.			14"	776.86	924.21	1,303.03	959.92	1,107.27	1,486.09		
14"	14.00 O.D. (please refer to 12" nominal pipe size)				X	14.00 O.D. (please refer to 12" nominal pipe size)				X	7" 1,3 14"	7"	662.23	778.65	1,007.94	815.32	931.74	1,161.03
	BLACK	14.60 - 15.00 15.30 - 15.70	DI, CI & Simplex AC D.I, A/C R.B. & PVC	BLACK		14.60 - 15.00 15.30 - 15.70	DI, CI & Simplex AC D.I, A/C R.B. & PVC	14"	1,100.02			1,275.44	1,736.91	1,354.30	1,529.72	1,991.20		
	RED	16.00 - 16.40	O.D. Stl.	RED		16.00 - 16.40	O.D. Stl.											
16"	16.00 O.D. (please refer to 14" nominal pipe size)				X	16.00 O.D. (please refer to 14" nominal pipe size)				X	7" 1,3 14"	7"	797.82	928.75	1,181.96	982.25	1,113.17	1,366.38
	BLACK	17.05 - 17.40 17.40 - 17.80	D.I., Cast Iron & PVC D.I. and A/C R.B, PVC	BLACK		17.05 - 17.40 17.40 - 17.80	D.I., Cast Iron & PVC D.I. and A/C R.B, PVC	14"	1,323.94			1,518.84	2,031.60	1,629.96	1,824.88	2,337.63		
	RED	17.80 - 18.10 18.10 - 18.40	Cast Iron, O.D. Stl & PVC Cast Iron & A/C	RED		17.80 - 18.10 18.10 - 18.40	Cast Iron, O.D. Stl & PVC Cast iron & A/C											
18"	18.00 O.D. (please refer to 16" nominal pipe size)				X	18.00 O.D. (please refer to 16" nominal pipe size)				X	7" 1,3 14"	7"	1,162.58	1,319.69	1,623.55	1,436.56	1,593.65	1,897.50
	BLACK	19.10 - 19.70		BLACK		19.10 - 19.70		14"	1,775.69			2,009.58	2,624.89	2,194.13	2,428.01	3,043.33		
	YELLOW	19.70 - 20.25		YELLOW		19.70 - 20.25												
20"	20.00 O.D. (please refer to 18" nominal pipe size)				X	20.00 O.D. (please refer to 18" nominal pipe size)				X	7" 1,3 14"	7"	1,394.29	1,551.40	1,855.25	1,722.85	1,879.94	2,183.80
	BLACK	21.35 - 21.75		BLACK		21.35 - 21.75		14"	2,016.40			2,250.27	2,865.59	2,491.56	2,725.43	3,340.75		
	YELLOW	21.75 - 22.25		YELLOW		21.75 - 22.25												
22"	22.00 O.D. (please refer to 20" nominal pipe size)				X	22.00 O.D. (please refer to 20" nominal pipe size)				X	7" 1,3 14"	7"	1,513.52	1,683.72	2,012.89	1,870.16	2,040.36	2,369.53
	BLACK	23.45 - 23.85		BLACK		23.45 - 23.85		14"	2,287.94			2,541.30	3,207.90	2,827.08	3,080.46	3,747.05		
	YELLOW	23.75 - 24.25		YELLOW		23.75 - 24.25												
24"	24.00 O.D. (please refer to 22 " nominal pipe size)				X	24.00 O.D. (please refer to 22 " nominal pipe size)				X	10" 1 20"	10"	2,371.67	2,586.47	2,953.82	2,930.55	3,145.35	3,512.70
	BLACK	25.30 - 25.80		BLACK		25.30 - 25.80		20"	3,666.28			4,023.06	4,950.38	4,530.22	4,887.02	5,821.94		
	YELLOW	26.10 - 26.32		YELLOW		26.10 - 26.32												

<sup>1</sup> Standard Center Ring <sup>2</sup> To accommodate the wider range of pipe sizes within the 10" and 12" categories, it is necessary that the center rings be made in three sizes: A, AB, and B (see drawing below).

<sup>3</sup> For longer center ring length, see the Style "400" on Page 2-17.



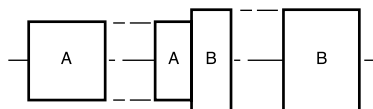
- For "501" parts list, see Page 2-4.
- For Steel Couplings 12" - 96", see Page 2-17.
- For Sewer O.D.s, see Page 6-6.



# Style "501" Parts List

NOM. PIPE SIZE	APPROX. COMPLETE COUPLING WEIGHT (lbs.)	CENTER RING LENGTH	CENTER RING	END RING	GASKET	5/8" BOLTS		TRACKHEAD BOLT w/NUT		
						NUMBER:	LENGTH	CORTEN	304 S.S.	316 S.S.
2"	9 #	5"	\$24.64	\$9.66	\$4.19	2:	5/8" x 8"	\$9.20	\$20.71	\$40.99
3"	13 #	5"	34.03	12.36	5.46	4:	5/8" X 10 1/2"	10.75	24.13	47.71
	17 #	10"	47.36			4:	5/8" X 13"	13.33	29.76	56.99
4"	16 #	5"	47.61	17.40	7.18	4:	5/8" x 8"	9.20	20.71	40.99
	22 #	7"	78.21			4:	5/8" x 10 1/2"	10.75	24.13	47.71
	27 #	10"	89.39			4:	5/8" x 13"	13.33	29.76	56.99
	28 #	12"	201.78			4:	5/8" x 15"	13.33	29.76	56.99
	36 #	14"	239.30			4:	5/8" x 17"	13.87	33.51	82.65
6"	26 #	5"	55.24	30.07	10.21	5:	5/8" x 8"	9.20	20.71	40.99
	34 #	7"	81.67			5:	5/8" x 10 1/2"	10.75	24.13	47.71
	39 #	10"	140.15			5:	5/8" x 13"	13.33	29.76	56.99
	47 #	12"	227.63			5:	5/8" x 15"	13.33	29.76	56.99
	55 #	14"	258.23			5:	5/8" x 17"	13.87	33.51	82.65
8"	32 #	5"	70.76	36.92	15.26	6:	5/8" x 8"	9.20	20.71	40.99
	41 #	7"	102.24			6:	5/8" x 10 1/2"	10.75	24.13	47.71
	55 #	10"	168.05			6:	5/8" x 13"	13.33	29.76	56.99
	58 #	12"	294.87			6:	5/8" x 15"	13.33	29.76	56.99
	68 #	14"	324.80			6:	5/8" x 17"	13.87	33.51	82.65
10"	49 # (A)	6"	94.14	42.52	31.68	7:	5/8" x 10 1/2"	10.75	24.13	47.71
	55 # (B)	6"	94.14			7:	5/8" x 10 1/2"	10.75	24.13	47.71
	57 # (AB)	6"	94.14			7:	5/8" x 10 1/2"	10.75	24.13	47.71
	64 # (B only)	7"	199.96			7:	5/8" x 10 1/2"	10.75	24.13	47.71
	78 # (A)	12"	415.88			7:	5/8" x 17"	13.87	33.51	82.65
	83 # (B)	12"	415.88			7:	5/8" x 17"	13.87	33.51	82.65
	100 # (B only)	14"	508.93			7:	5/8" x 18"	14.71	35.49	88.71
12"	65 # (A)	6"	113.02	51.09	40.50	8:	5/8" x 10 1/2"	10.75	24.13	47.71
	68 # (B)	6"	113.02			8:	5/8" x 10 1/2"	10.75	24.13	47.71
	73 # (AB)	6"	113.02			8:	5/8" x 10 1/2"	10.75	24.13	47.71
	72 # (B only)	7"	205.33			8:	5/8" x 10 1/2"	10.75	24.13	47.71
	102 # (A)	12"	482.72			8:	5/8" x 17"	13.87	33.51	82.65
	108 # (B)	12"	482.72			8:	5/8" x 17"	13.87	33.51	82.65
	115 # (B only)	14"	541.61			8:	5/8" x 18"	14.71	35.49	88.71
14"	92 #	7"	290.21	81.94	53.76	9:	5/8" x 11 1/2"	11.18	25.20	51.47
	136 #	14"	696.23			9:	5/8" x 18"	14.71	35.49	88.71
16"	102 #	7"	354.94	109.60	55.94	10:	5/8" x 11 1/2"	11.18	25.20	51.47
	153 #	14"	845.76			10:	5/8" x 18"	14.71	35.49	88.71
18"	123 #	7"	437.66	229.83	65.55	12:	5/8" x 11 1/2"	11.18	25.20	51.47
	194 #	14"	1,008.41			12:	5/8" x 18"	14.71	35.49	88.71
20"	125 #	7"	507.09	308.88	67.64	12:	5/8" x 11 1/2"	11.18	25.20	51.47
	200 #	14"	1,086.84			12:	5/8" x 18"	14.71	35.49	88.71
22"	154 #	7"	576.22	326.69	69.29	13:	5/8" x 11 1/2"	11.18	25.20	51.47
	222 #	14"	1,304.13			13:	5/8" x 18"	14.71	35.49	88.71
24"	214 #	10"	1,009.47	496.27	91.52	14:	5/8" x 15"	13.33	29.76	56.99
	363 #	20"	2,203.00			14:	5/8" x 24"	20.55	47.78	116.52

To accommodate the wider range of pipe sizes within the 10" and 12" categories, it is necessary that the center rings be made in three sizes: A, AB, and B (see drawing right).



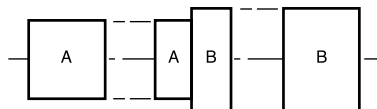
**WARNING:** Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions. See Page 7-4 for appropriate restraint system.



# Fusion Epoxy Style "501" Parts List

NOM. PIPE SIZE	APPROX. CENTER RING WEIGHT (lbs.)	CENTER RING LENGTH	CENTER RING	END RING	GASKET N: NBR E: EPDM	5/8" BOLTS		TRACKHEAD BOLT w/NUT		
						NUMBER:	LENGTH	CORTEN	304 SS	316 SS
2"	4 #	5"	\$32.56	\$13.87	N \$23.83	2: 5/8" x 8"	\$9.20	\$20.71	\$40.99	
					E 24.66					
3"	6 #	5"	46.93	19.19	N 24.85	4: 5/8" X 10 1/2"	10.75	24.13	47.71	
	13.5 #	10"	65.81		E 25.25	4: 5/8" X 13"	13.33	29.76	56.99	
4"	8 #	5"	62.85	25.52	N 25.23	4: 5/8" x 8"	9.20	20.71	40.99	
	13 #	7"	102.12			4: 5/8" x 10 1/2"	10.75	24.13	47.71	
	17 #	10"	118.35			4: 5/8" x 13"	13.33	29.76	56.99	
	19 #	12"	257.22			4: 5/8" x 15"	13.33	29.76	56.99	
	25 #	14"	304.10			4: 5/8" x 17"	13.87	33.51	82.65	
6"	12 #	5"	76.07	41.08	N 29.74	5: 5/8" x 8"	9.20	20.71	40.99	
	19 #	7"	110.56			5: 5/8" x 10 1/2"	10.75	24.13	47.71	
	23 #	10"	185.88			5: 5/8" x 13"	13.33	29.76	56.99	
	30 #	12"	293.92			5: 5/8" x 15"	13.33	29.76	56.99	
	31 #	14"	332.38			5: 5/8" x 17"	13.87	33.51	82.65	
8"	15 #	5"	97.10	50.89	N 35.82	6: 5/8" x 8"	9.20	20.71	40.99	
	24 #	7"	138.17			6: 5/8" x 10 1/2"	10.75	24.13	47.71	
	36 #	10"	223.16			6: 5/8" x 13"	13.33	29.76	56.99	
	39 #	12"	379.83			6: 5/8" x 15"	13.33	29.76	56.99	
	48 #	14"	417.60			6: 5/8" x 17"	13.87	33.51	82.65	
10"	25 # (A)	6"	130.38	61.84	N 50.01	7: 5/8" x 10 1/2"	10.75	24.13	47.71	
	28 # (B)	6"	130.38			7: 5/8" x 10 1/2"	10.75	24.13	47.71	
	31 # (AB)	6"	130.38			7: 5/8" x 10 1/2"	10.75	24.13	47.71	
	37 # (B only)	7"	261.16			7: 5/8" x 10 1/2"	10.75	24.13	47.71	
	51 # (A)	12"	533.09			7: 5/8" x 17"	13.87	33.51	82.65	
	56 # (B)	12"	533.09			7: 5/8" x 17"	13.87	33.51	82.65	
	74 # (B only)	14"	649.46			7: 5/8" x 18"	14.71	35.49	88.71	
12"	34 # (A)	6"	162.88	71.19	N 62.49	8: 5/8" x 10 1/2"	10.75	24.13	47.71	
	36 # (B)	6"	162.88			8: 5/8" x 10 1/2"	10.75	24.13	47.71	
	42 # (AB)	6"	162.88			8: 5/8" x 10 1/2"	10.75	24.13	47.71	
	40 # (B only)	7"	276.95			8: 5/8" x 10 1/2"	10.75	24.13	47.71	
	68 # (A)	12"	625.58			8: 5/8" x 17"	13.87	33.51	82.65	
	72 # (B)	12"	625.58			8: 5/8" x 17"	13.87	33.51	82.65	
	80 # (B only)	14"	699.93			8: 5/8" x 18"	14.71	35.49	88.71	
	14"	49 #	7"			400.94	103.12	N 89.37	9: 5/8" x 11 1/2"	11.18
98 #		14"	908.15	E 106.40	9: 5/8" x 18"	14.71			35.49	88.71
16"	55 #	7"	479.63	139.47	N 98.89	10: 5/8" x 11 1/2"	11.18	25.20	51.47	
	110 #	14"	1,092.04			E 119.07	10: 5/8" x 18"	14.71	35.49	88.71
18"	71 #	7"	606.86	282.22	N 129.70	12: 5/8" x 11 1/2"	11.18	25.20	51.47	
	142 #	14"	1,322.07			E 160.16	12: 5/8" x 18"	14.71	35.49	88.71
20"	67 #	7"	737.15	358.13	N 144.04	12: 5/8" x 11 1/2"	11.18	25.20	51.47	
	134 #	14"	1,463.50			E 180.58	12: 5/8" x 18"	14.71	35.49	88.71
22"	76 #	7"	812.56	386.84	N 152.00	13: 5/8" x 11 1/2"	11.18	25.20	51.47	
	152 #	14"	1,723.59			E 191.67	13: 5/8" x 18"	14.71	35.49	88.71
24"	133 #	10"	1,280.53	640.18	N 220.31	14: 5/8" x 15"	13.33	29.76	56.99	
	266 #	20"	2,779.12			E 282.46	14: 5/8" x 24"	20.55	47.78	116.52

To accommodate the wider range of pipe sizes within the 10" and 12" categories, it is necessary that the center rings be made in three sizes: A, AB, and B (see drawing right).



**WARNING:** Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions. See Page 7-4 for appropriate restraint system.