



STYLE RC501 REDUCING COUPLINGS

MATERIAL SPECIFICATIONS

CENTER RINGS: Ductile iron per ASTM A536, Grade 65-45-12. Yellow shopcoat. Romacoat – FB and special coatings available on request.

END RINGS: Ductile iron per ASTM A536, Grade 65-45-12. Color coded RED for O.D. and Std. Stl., BLACK for cast iron and YELLOW for A/C.

GASKETS: SBR per ASTM D2000 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 3-25 and 3-26.



MEETS
AWWA C219



NSF61 certified upon request.

Certified to NSF/ANSI 61 & 372

NOM. PIPE SIZE	LIST PRICE						SHOPCOAT			FUSION EPOXY		
	COLOR CODE	ONE END GASKET RANGE	APPROX. USE	BY	OTHER END GASKET RANGE	APPROX. USE	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
							COLOR CODE	GASKET RANGE	APPROX. USE			
4" x 3"	RED	3.80 - 4.05 4.06 - 4.31 4.21 - 4.49 4.50 - 4.70 4.50 - 4.81	O.D. Stl Riv. Stl. A/C Std. Stl. & PVC Std. Stl., D.I. & PVC	x	RED	3.00 - 3.13 3.50	O.D. Stl., Copper Std. Stl.					
	BLACK	4.80 - 5.00 4.74 - 5.10 5.11 - 5.30	Cast Iron & PVC C.I. & A/CME A/C R.B.									
	YELLOW	5.11 - 5.40	A/C R.B. CL. 200									
6" x 4"	RED	5.40 - 5.60 ² 5.60 - 5.79 ² 5.80 - 5.98 ² 5.80 - 6.10 6.05 - 6.30 6.18 - 6.46 6.55 - 6.76 6.60 - 6.91	Std. Stl. & PVC Std. Stl. & PVC Std. Stl. & PVC O.D. Stl Riv. Stl. PVC Sewer & Clay Std. Stl. & PVC Std. Stl., D.I. & PVC	x	RED	3.80 - 4.05 4.06 - 4.31 4.21 - 4.49 4.50 - 4.70 4.50 - 4.81	O.D. Stl. Riv. Stl. A/C Std. Stl. & PVC Std. Stl., D.I. & PVC					
	BLACK	6.90 - 7.10 6.86 - 7.20 7.15 - 7.35	Cast Iron & PVC C.I. & A/CME A/C R.B.									
	YELLOW	7.26 - 7.60	A/C R.B. CL. 200									
8" x 6"	RED	7.80 - 8.10 8.05 - 8.30 8.30 - 8.55 8.55 - 8.75 8.60 - 9.06	O.D. Stl. Riv. Stl. C.I. Soil, PVC Sewer Std. Stl. & PVC Std. Stl., D.I. & PVC	x	RED	5.80 - 6.10 6.05 - 6.30 6.18 - 6.46 6.55 - 6.76 6.60 - 6.91	O.D. Stl Riv. Stl. PVC Sewer & Clay Std. Stl. & PVC Std. Stl., D.I. & PVC					
	BLACK	9.05 - 9.30 8.99 - 9.40 9.31 - 9.50	Cast Iron & PVC C.I. & A/CME A/C R.B.									
	YELLOW	9.39 - 9.79	A/C R.B. CL. 200									
10" x 8"	RED	9.80 - 10.10A ¹ 10.20 - 10.55A ¹ 10.70 - 11.00A ¹	O.D. Stl. C.I. Soil, PVC Sewer Std. Stl. & PVC	x	RED	7.80 - 8.10 8.05 - 8.30 8.30 - 8.55 8.55 - 8.75 8.60 - 9.06	O.D. Stl. Riv. Stl. CI Soil, PVC Sewer Std. Stl. & PVC Std. Stl., D.I. & PVC					
	BLACK	10.70 - 10.80B ¹ 10.89 - 11.40B ¹	Cast Iron C.I. & A/CME									
	YELLOW	11.55 - 11.75B ¹ 11.76 - 12.12B ¹	A/CME A/C R.B.									

¹ See Footnote 1 on next page. ² Requires special 5" end ring.

STYLE RC501 REDUCING COUPLINGS



NOM. PIPE SIZE	COLOR CODE	ONE END		BY	OTHER END		SHOPCOAT			FUSION EPOXY			
		GASKET RANGE	APPROX. USE		COLOR CODE	GASKET RANGE	APPROX. USE	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
12" x 10"	RED	11.81 - 12.10A ¹ 11.95 - 12.25A ¹ 12.24 - 12.50A 12.65 - 12.95A ¹	O.D. Stl O.D. Stl. & PIP Cl Soil, PVC Sewer Std. Stl. & PVC	x	RED	9.80 - 10.10A ¹ 10.20 - 10.55A ¹ 10.70 - 11.00A ¹	O.D. Stl. C.I. - Soil, PVC Sewer Std. Stl. & PVC	1,314.75	1,497.98	1,807.34	1,711.74	1,894.97	2,204.28
	BLACK	12.70 - 12.80B ¹ 13.15 - 13.55B ¹	Std. Stl. & PVC Cast Iron & PVC		BLACK	10.70 - 10.80B ¹ 10.89 - 11.40B ¹	Cast Iron & PVC C.I. & A/CME						
	YELLOW	13.85 - 14.10B ¹ 14.03 - 14.40B ¹	A/CME A/CME		YELLOW	11.55 - 11.75B ¹ 11.76 - 12.12B ¹	A/CME A/C R.B.						
14" x 12"	14.00 (please refer to 12")			x	RED	11.81 - 12.10A ¹ 11.95 - 12.25 12.24 - 12.50A ¹ 12.65 - 12.95A ¹	O.D. Stl O.D. Stl. & PIP Cl Soil PVC Sewer Std. Stl. & PVC	1,863.50	2,090.32	2,467.90	2,320.59	2,536.58	2,925.01
	BLACK	14.60 - 15.00 15.30 - 15.70	- Cast Iron & PVC		BLACK	12.70 - 12.80B ¹ 13.15 - 13.55B ¹	Std. Stl. & PVC Cast Iron & PVC						
	YELLOW	16.40 - 16.88	A/C R.B.		YELLOW	13.85 - 14.10B ¹ 14.03 - 14.40B ¹	A/CME A/CME						
16" x 14"	16.00 (please refer to 14")			x	BLACK	14.60 - 15.00 15.30 - 15.70	- Cast Iron & PVC	3,383.75	3,623.67	4,055.29	4,005.61	4,245.52	4,677.18
	RED	17.05 - 17.40 17.40 - 17.80	D.I. & PVC D.I., A/C R.B. & PVC		RED	16.00 - 16.40	A/CME & O.D. Stl.						
	YELLOW	17.80 - 18.10 18.10 - 18.40	Cast Iron, O.D. Stl. & PV Cast Iron & A/C		YELLOW	16.40 - 16.88	A/C R.B.						
18" x 16"	RED	18.70 - 19.10		x	BLACK	17.05 - 17.40 17.40 - 17.80		3,487.16	3,775.12	4,293.05	4,109.05	4,197.51	4,914.90
	BLACK	19.10 - 19.70			RED	17.80 - 18.10 18.10 - 18.40							
	YELLOW	19.70 - 20.25			YELLOW	18.45 - 18.97							
20" x 18"	RED	20.80 - 21.35		x	RED	18.70 - 19.10		3,601.58	3,889.49	4,407.44	4,266.03	4,553.96	5,071.91
	BLACK	21.35 - 21.75			BLACK	19.10 - 19.70							
	YELLOW	21.75 - 22.25			YELLOW	19.70 - 20.25							
22" x 20"	RED	22.95 - 23.35		x	RED	20.80 - 21.35		3,707.07	4,018.99	4,580.10	4,371.56	4,683.50	5,244.58
	BLACK	23.45 - 23.85			BLACK	21.35 - 21.75							
	YELLOW	23.75 - 24.25			YELLOW	21.75 - 22.25							
24" x 22"	RED	24.75 - 25.30		x	RED	22.95 - 23.35		5,797.50	6,191.74	6,815.26	6,682.46	7,076.72	7,700.23
	BLACK	25.30 - 25.80			BLACK	23.45 - 23.85							
	YELLOW	26.10 - 26.32			YELLOW	23.75 - 24.25							

¹ To accommodate the wider range of pipe sizes within the 10" and 12" categories, it is necessary that the center rings be made in different sizes: A x A, A x B, B x A and B x B. For example, 12" riveted steel x 10" ductile iron requires a 12A x 10B center ring.

For "RC501" parts list, see page 3-13 & 3-14.

WARNING: Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions.
CAUTION: Couplings with a step in the center ring have the potential for migrating along the pipe. Therefore, some sort of restraint should be used.

TO ORDER: Determine O.D. of pipes to be coupled. Select proper gasket range for each pipe from above table. Insert top range from each gasket, into the catalog number as follows: RC501 (one end x other end)

EXAMPLE: To couple 6" O.D. steel and 4" A/C rough barrel, order **RC501-6.10 x 5.30**

COUPLINGS



RC501 PARTS LIST

NOM. PIPE SIZE	APPROX. WEIGHT (lbs.)	CENTER RING LENGTH	REDUCING CTR. RINGS RING ONLY	END RINGS		GASKETS		BOLTS & NUTS			BOLTS NO : SIZE
				(STD) LG. END	(RC) SM. END	LARGE END	SMALL END	CORTEN	304.S.S.	316 S.S.	
4" ¹ x 3"	17 #	5"	\$83.23	\$30.42	\$94.11	12.55	\$27.57	\$16.08	\$36.21	\$71.66	4: 5/8" x 8"
6" x 4"	24 #	5	283.32	52.56	89.69	17.85	12.55	16.08	36.21	71.66	5: 5/8" x 8"
8" x 6"	35 #	5"	358.51	64.55	120.90	26.67	17.85	16.08	36.21	71.66	6: 5/8" x 8"
10" x 8"	58 #	6"	540.86	74.34	137.00	55.38	26.67	18.80	42.19	83.42	7: 5/8" x 10 1/2"
12" x 10"	84 #	7"	755.91	89.31	192.96	70.81	55.38	18.80	42.19	83.42	8: 5/8" x 10 1/2"
14" x 12"	95 #	7"	1,159.82	143.26	219.70	93.99	70.81	19.55	44.06	89.98	9: 5/8" x 11 1/2"
16" x 14"	111 #	7"	1,932.73	191.61	872.14	97.80	93.99	19.55	44.06	89.98	10: 5/8" x 11 1/2"
18" x 16"	128 #	7"	1,835.20	401.80	803.20	114.60	97.80	19.55	44.06	89.98	12: 5/8" x 11 1/2"
20" x 18"	164 #	7"	1,740.14	539.99	854.03	118.25	114.60	19.55	44.06	89.98	12: 5/8" x 11 1/2"
22" x 20"	166 #	7"	1,761.22	571.13	881.38	121.13	118.25	19.55	44.06	89.98	13: 5/8" x 11 1/2"
24" x 22"	212 #	8 1/2"	2,949.36	867.60	1,373.13	160.01	121.13	23.31	52.03	99.63	14: 5/8" x 15"

¹Uses 4" 501 Center Ring.

To accommodate the wider range of pipe sizes within the 10" and 12" categories, it is necessary that the center rings be made in different sizes: A x A, A x B, B x A and B x B. For example, 12" riveted steel x 10" ductile iron requires a 12A x 10B center ring.



WARNING: Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained conditions.

FUSION EPOXY RC501 PARTS LIST



NOM. PIPE SIZE	APPROX. WEIGHT (lbs.)	CENTER RING LENGTH	REDUCING CTR. RINGS RING ONLY	END RINGS		GASKETS ²		BOLTS & NUTS			BOLTS NO : SIZE
				(STD) LG. END	(RC) SM. END	LARGE END	SMALL END	CORTEN	304.S.S.	316 S.S.	
4" x 3"	17 #	5"	\$109.87	\$ 44.62	\$149.33	N \$44.11 E 45.29	N \$43.44 E 44.14	\$16.08	\$36.21	\$71.66	4: 5/8" x 8"
6" x 4"	24 #	5"	404.21	71.81	158.99	N 52.00 E 54.40	N 44.11 E 45.29	16.08	36.21	71.66	5: 5/8" x 8"
8" x 6"	35 #	5"	510.89	88.96	213.92	N 62.62 E 70.38	N 52.00 E 54.40	16.08	36.21	71.66	6: 5/8" x 8"
10" x 8"	58 #	6"	725.81	108.11	252.40	N 87.43 E 101.81	N 62.62 E 70.38	18.80	42.19	83.42	7: 5/8" x 10 1/2"
12" x 10"	84 #	7"	980.42	124.46	330.29	N 109.24 E 126.79	N 87.43 E 101.81	18.80	42.19	83.42	8: 5/8" x 10 1/2"
14" x 12"	95 #	7"	1,420.18	180.29	379.40	N 156.24 E 186.01	N 109.24 E 126.79	19.55	44.06	89.98	9: 5/8" x 11 1/2"
16" x 14"	111 #	7"	2,288.16	243.82	1,086.36	N 172.88 E 208.16	N 156.24 E 186.01	19.55	44.06	89.98	10: 5/8" x 11 1/2"
18" x 16"	128 #	7"	2,153.54	493.39	1,015.17	N 226.76 E 280.00	N 172.88 E 208.16	19.55	44.06	89.98	12: 5/8" x 11 1/2"
20" x 18"	164 #	7"	2,138.41	626.11	1,034.10	N 251.81 E 315.70	N 226.76 E 280.00	19.55	44.06	89.98	12: 5/8" x 11 1/2"
22" x 20"	166 #	7"	2,150.60	676.29	1,051.18	N 265.73 E 335.08	N 251.81 E 315.70	19.55	44.06	89.98	13: 5/8" x 11 1/2"
24" x 22"	212 #	8 1/2"	3,356.11	1,119.20	1,599.68	N 385.16 E 493.81	N 265.73 E 335.08	23.31	52.03	99.63	14: 5/8" x 15"

¹ Uses 4" 501 Center Ring.

² "N" denotes NBR gasket. "E" denotes EPDM gasket.

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