



12 in (305 mm) Bushing/ Filler Ring

Project _____
 Engineer _____
 Contractor _____

ASTM C1173
 ASTM C 425
 ASTM D2000
 UPC/ IAPMO
 SSPWC

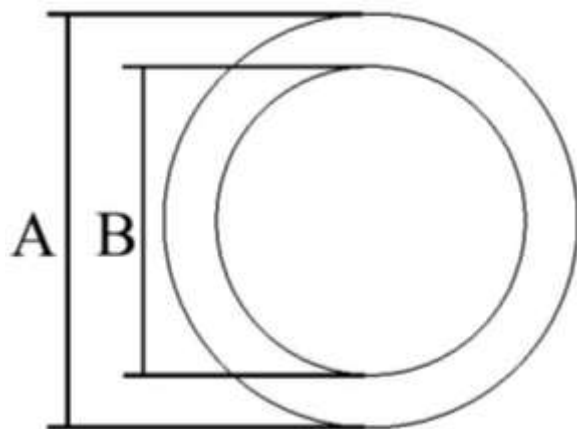
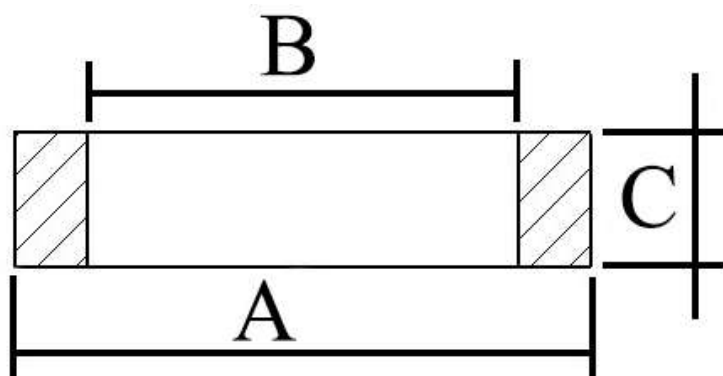
Bushings or filler rings are removable rubber gaskets designed for use inside flexible couplings or Tap-N-Tee saddle fittings. These bushings adapt the coupling's inner diameter to connect pipe's different outside diameters (OD). Bushings/ filler rings can be placed on the pipe before coupling or placed at same time with coupling. Recommend use of two bushing/ filler rings but using a single bushing is satisfactory.

12 Inch (305 mm) Bushing/ Filler Ring

Part Number	Description	A		B		C	
		INCH	MM	INCH	MM	INCH	MM
JOI-189	12" Clay to PL or PECI	14.500	368	12.500	318	1.5	38.1
JOI-190	12" Clay to BEAD or MEAC	14.500	368	12.750	324	1.5	38.1
JOI-191	12" Clay to ABS/Sch 40	14.500	368	12.750	324	1.5	38.1
JOI-192	12" Clay to RBAC, CL 150, or C900	14.500	368	13.200	335	1.5	38.1
JOI-193	12" AC/DI to PL or PECI	13.250	337	12.500	318	1.5	38.1
JOI-194	12" AC/DI to BEAD or MEAC	13.250	337	12.900	328	1.5	38.1
JOI-195	12" AC/DI TO ABS/SCH 40	13.250	337	12.750	324	1.5	38.1

Available: Custom sized bushings: inside diameter (ID), outside diameter (OD), and width. Provide pipe OD and other information by email info@jointscouplings.com or call (626)-448-2100

AC: Asbestos Cement
 BEAD: Bead on internal diameter edge of bushing
 MEAC: Machine End Asbestos Cement
 PECI: Plain End Cast Iron
 PL: Plastic
 RBAC: Rough Barrell Asbestos Cement



Property	Value/ Test Requirement	ASTM Test Method N.
Chemical Resistance: 1 N sulfuric acid 1 N hydrochloric acid	No weight loss No weight loss	D 543 (48 h at 23°±2°)
Tensile Strength	100 psi (6.9 MPa) min; 250% min elongation at break	D412
Elongation	Elongation at break, 73.4°±3.6°F (23°±2°C), % min	D412
Durometer (Hardness)	Shore A durometer 55 min to 70 max	D2240
Compression Set	20% max of original deflection	D395, Method B (22h at 70°±2°C)
Water Absorption* (test has rubber specimens dipped into water than taken out). Chemical resistance test is harsher environment material tested under	5% max by weight after 7 days at 70° F (21°C)	D471
Ozone Resistance	No visible cracks under 2x specimen magnification, determined by D518, Procedure B, stretched 20% and exposed to ozone concentrations of 0.5ppm for 24h at 40±2°	D1149- Required no cracking
Accelerated Oven Aging	85% min of original strength 85% min of original elongation	D573 (7 days at 70±2°C)

Bushing/ Filler Ring

Allow linking different sizes pipes at more points in connection.

Depending on environment, place the bushing on the small pipe before placing larger coupling. In many conditions it is fine to place removable bushing inside the coupling on pipe.



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Part Number	Description	A		B		Width	
		INCH	MM	INCH	MM	INCH	MM
JOI-112	4" AC to BEAD, CI or MEAC	5.000	127	4.625	117	1.25	31.75
JOI-113	4" AC to PECl or PL	5.000	127	4.375	111	1.25	31.75
JOI-115	4" X 3" AC to PECl or PL	5.000	127	3.375	86	1.25	31.75
JOI-118	4" X 3" CIT (CI, PL) to PECl or ABS	4.500	114	3.350	85	1.25	31.75
JOI-120	5" X 4" AC to PECl or ABS	6.100	155	4.500	114	1.25	31.75
JOI-121	4" Clay to PECl or Bald CI	5.380	137	4.375	111	1.25	31.75
JOI-122	4" Clay to BEAD CI or MEAC	5.380	137	4.625	117	1.25	31.75
JOI-123	4" Clay to RBAC or CI 150 DI	5.380	137	4.900	124	1.25	31.75
JOI-124	4" X 3" Clay to PECl	5.380	137	3.375	86	1.25	31.75
JOI-126	4" X 2" Clay to PECl	5.380	137	2.250	57	1.25	31.75
JOI-127	6" AC to Abs, BEAD or MEAC	7.100	180	6.625	168	1.5	38.1
JOI-128	6" AC to PECl or PL	7.100	180	6.375	162	1.5	38.1
JOI-129	6" Clay to ABS/Sch 40, BEAD, or MEAC	8.000	203	6.625	168	1.5	38.1
JOI-130	6" Clay to PECl or PL	8.000	203	6.375	162	1.5	38.1
JOI-131	6" Clay to RBAC, CI, or C900	8.000	203	6.900	175	1.5	38.1
JOI-132	8" Clay to PL or PECl	10.060	256	8.375	213	1.500	38.1
JOI-133	8" Clay to BEAD CI, ABS or MEAC	10.060	256	8.625	219	1.500	38.1
JOI-134	8" AC to PECl or PL	9.200	234	8.375	213	1.500	38.1
JOI-135	8" AC to BEAD, ABS/Sch 40, or MEAC	9.200	234	8.625	219	1.500	38.1
JOI-136	8" Clay to RBAC, CL 150, or C900	10.060	256	9.000	229	1.500	38.1
JOI-139	4" Clay to ABS or Sch 40	5.380	137	4.500	114	1.25	31.75
JOI-140	4" AC to ABS	5.000	127	4.500	114	1.25	31.75
JOI-141	4" X 3" AC to PECl	5.000	127	3.375	86	1.25	31.75
JOI-142	4" X 3" Clay to ABS	5.380	137	4.010	102	1.25	31.75
JOI-156	4" Clay to SDR 35 or PL	5.380	137	4.250	108	1.25	31.75
JOI-157	4" Clay to C-900	5.380	137	4.750	121	1.25	31.75
JOI-180	8" X 6" Clay to Clay	10.060	256	8.000	203	1.5	38.1
JOI-181	8" X 6" Clay to PECl	10.060	256	6.375	162	1.5	38.1
JOI-182	10" Clay to PL or PECl	12.500	318	10.500	267	1.5	38.1
JOI-183	10" Clay to BEAD CI or MEAC	12.500	318	11.800	300	1.5	38.1
JOI-184	10" Clay to ABS/Sch 40	12.500	318	10.750	273	1.5	38.1
JOI-185	10" Clay to RBAC, DI or C900	12.500	318	11.100	282	1.5	38.1
JOI-186	10" AC/DI to PL or PECl	11.100	282	10.500	267	1.5	38.1
JOI-187	10" AC/DI BEAD CI or MEAC	11.100	282	10.900	277	1.5	38.1
JOI-188	10" AC/DI to ABS	11.100	282	10.750	273	1.5	38.1
JOI-189	12" Clay to PL or PECl	14.500	368	12.500	318	1.5	38.1
JOI-190	12" Clay to BEAD or MEAC	14.500	368	12.750	324	1.5	38.1
JOI-191	12" Clay to ABS/Sch 40	14.500	368	12.750	324	1.5	38.1
JOI-192	12" Clay to RBAC, CL 150, or C900	14.500	368	13.200	335	1.5	38.1
JOI-193	12" AC/DI to PL or PECl	13.250	337	12.500	318	1.5	38.1
JOI-194	12" AC/DI to BEAD or MEAC	13.250	337	12.900	328	1.5	38.1
JOI-195	12" AC/DI TO ABS/SCH 40	13.250	337	12.750	324	1.5	38.1
JOI-196	15" Clay to PL	18.300	465	15.300	389	1.5	38.1
JOI-197	6" Cay to 6" Corrugated HDPE	7.500	191	7.150	182	1.5	38.1

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JOINTS

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