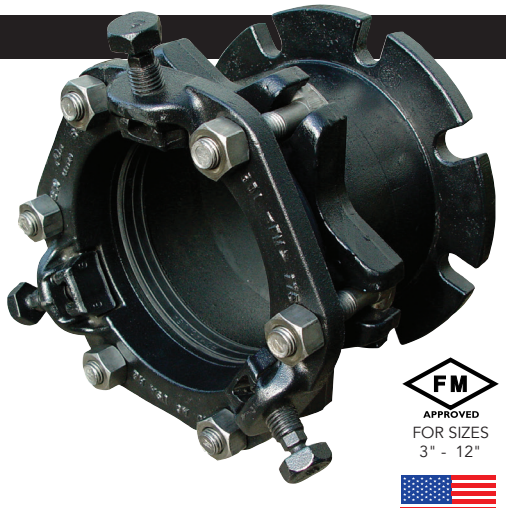
ROMAC INDUSTRIES, INC. RFCA (RESTRAINED FLANGED COUPLING ADAPTER)

MATERIAL SPECIFICATIONS



FM APPROVED FOR SIZES 3" - 12"

MADE IN U.S.A.

NSF61 certified.

MEETS AWWA C219

FLANGE BODY: Ductile (nodular) iron, meeting or exceeding ASTM A536, Grade 65-45-12. Flange meets the dimensional requirements of ANSI Class 125 and 150 bolt circles. See page 10-6 for optional filler flange.

GASKETS: Compounded for water and sewer service in accordance with ASTM D2000 (Flange gasket is o-ring style, NBR standard). Other compounds available for petroleum, chemical, or high temperature service.

GLAND: Romac RomaGrip™. See page 8-6.

RESTRAINING BOLTS: 7/8 –9 roll thread, Ductile (nodular) iron, meeting or exceeding ASTM A536.

RESTRAINING LUGS: Ductile (nodular) iron, meeting or exceeding ASTM A536. Heat treated using a proprietary process.

LUG LOCATORS: Polyurethane, a thermal plastic.

GLAND BOLTS AND NUTS: High strength low alloy steel T-head bolt. National coarse rolled thread and heavy hex nut. Steel meets AWWA C111 composition specifications. Stainless steel bolts and nuts available on request, this option will be provided as all thread rod and two nuts.

COATINGS: Shop coat applied to cast parts for corrosion protection in transit. Romacoat – FB body and Romabond Polyester RG available on request.

USE: Ductile Iron Pipe 3" - 24", cast iron pipe 3"- 24" (same O.D.'s as ductile iron) and IPS size steel pipe 3" - 12" a minimum thickness per ASTM A53 std. weight class pipe. For use on 3" IPS size std. steel pipe, 3" - MJ x IPS Transition Gasket is required. Please contact Romac to purchase this gasket.

NOM. PIPE SIZE	GASKET RANGE	LENGTH	GLAND BOLTS QTY: SIZE	CATALOG NUMBER	LIST PRICE				WEIGHT (lbs.)
					SHOPCOAT w/STD. B&N	SHOPCOAT w/304 SS B&N	FUSION EPOXY w/STD. B&N	FUSION EPOXY w/304 SS B&N	
3"	3.96*	8.00"	4: ⅝" x 3"	RFCA - 3.96	$380.15	$411.80	$431.52	$463.14	21
4"	4.50-4.80	9.00"	4: ¾" x 3½"	RFCA -4.80	479.14	547.35	543.31	611.55	29
6"	6.63-6.90	9.25"	6: ¾" x 3½"	RFCA - 6.90	627.31	729.65	714.22	816.55	43
8"	8.63-9.05	9.25"	6: ¾" x 3½"	RFCA - 9.05	824.84	927.19	929.99	1,032.33	57
10"	10.75-11.10	10.25"	8: ¾" x 3½"	RFCA - 11.10	1,521.01	1,590.91	1,750.33	1,886.81	83
12"	12.75-13.20	10.25"	8: ¾" x 3½"	RFCA - 13.20	1,652.16	1,788.61	1,933.71	2,070.18	106
14"	15.30	11.70"	10: ¾" x 4½"	RFCA -15.30	2,307.29	2,476.09	2,667.31	2,836.09	164
16"	17.40	11.70"	12: ¾" x 4½"	RFCA -17.40	3,204.13	3,405.34	3,685.83	3,887.01	195
18"	19.50	11.80"	12: ¾" x 4½"	RFCA -19.50	3,737.29	3,946.22	4,278.77	4,487.71	217
20"	21.60	11.80"	14: ¾" x 4½"	RFCA - 21.60	4,128.75	4,375.07	4,812.03	5,058.34	240
24"	25.80	12.00"	16: ¾" x 5"	RFCA - 25.80	5,008.67	5,318.69	5,782.20	6,092.24	305

Some initial axial movement may occur in lug style restraints as the lugs seat. Movement is directly related to the size of the piping system and the system pressure. In general terms movement of approximately 0.25" can be expected in restraints under 16". For larger sizes, movement of approximately 0.4" may be seen. If this is critical to your application please contact Romac Engineering for additional information.

*For use on 3" IPS size std. steel pipe, 3" - MJ x IPS Transition Gasket is required. Please contact Romac to purchase this gasket.

TO ORDER: Specify catalog number.

EXAMPLE: For a 12" RFCA Order: **RFCA - 13.20**

NOTE: 3" - 12" special Romac gasket works on both steel and D.I. O.D.s.

Not for use on PVC, HDPE pipe or plain-end mechanical joint fittings.
For applications on PVC pipe, see page 4-8.