



**ROMAC  
INDUSTRIES,  
INC.**

1-800-426-9341



# RFCA (Restrained Flanged Coupling Adapter)

**Material Specifications**

**Flange Body:** Ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12. Flange meets the dimensional requirements of ANSI Class 125 and 150 bolt circles.

**Gaskets:** Compounded for water and sewer service in accordance with ASTM D 2000 (Flange gasket is o-ring style, NBR standard). Other compounds available for petroleum, chemical, or high temperature service.

**Gland:** Romac RomaGrip™. See page 7-6.

**Restraining Bolts:** 7/8 –9 roll thread, Ductile (nodular) iron, meeting or exceeding ASTM A 536.

**Restraining Lugs:** Ductile (nodular) iron, meeting or exceeding ASTM A 536. Heat treated using a proprietary process.

**Lug Locators:** Polyurethane, a thermal plastic.

**T-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.

**Coatings:** Shop coat applied to cast parts for corrosion protection in transit. Fusion bonded epoxy available on request.

**Use:** Ductile Iron Pipe 3 - 24", cast iron pipe 3" - 24" (same OD's as ductile iron) and IPS size STD steel pipe 3 - 12" with a minimum thickness of schedule 40.

**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. ODs.



**Not for use on polyethylene pipe, PVC pipe or plain-end mechanical joint fittings. For applications on PVC, please contact your Romac representative.**

| 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/304SS B&N |               |
| 3"             | 3.50-3.96    | 8.00"  | 4: 5/8" x 3"          | RFCA - 3.96    | \$145.45            | \$157.56              | \$165.10                | \$177.20                 | 21            |
| 4"             | 4.50-4.80    | 9.00"  | 4: 3/4" x 3 1/2"      | RFCA - 4.80    | 183.32              | 209.43                | 207.88                  | 233.99                   | 29            |
| 6"             | 6.63-6.90    | 9.25"  | 6: 3/4" x 4"          | RFCA - 6.90    | 233.85              | 273.01                | 267.10                  | 306.26                   | 40            |
| 8"             | 8.63-9.05    | 9.25"  | 6: 3/4" x 4"          | RFCA - 9.05    | 315.59              | 354.75                | 355.82                  | 394.98                   | 53            |
| 10"            | 10.75-11.10  | 10.25" | 8: 3/4" x 4"          | RFCA - 11.10   | 581.96              | 634.17                | 669.69                  | 721.91                   | 83            |
| 12"            | 12.75-13.20  | 10.25" | 8: 3/4" x 4"          | RFCA - 13.20   | 632.13              | 684.34                | 739.86                  | 792.07                   | 110           |
| 14"            | 15.30        | 11.70" | 10: 3/4" x 4 1/2"     | RFCA - 15.30   | 882.79              | 947.37                | 1,020.54                | 1,085.12                 | 170           |
| 16"            | 17.40        | 11.70" | 12: 3/4" x 4 1/2"     | RFCA - 17.40   | 1,225.93            | 1,302.91              | 1,410.23                | 1,487.21                 | 200           |
| 18"            | 19.50        | 11.80" | 12: 3/4" x 4 1/2"     | RFCA - 19.50   | 1,346.63            | 1,423.60              | 1,546.13                | 1,623.10                 | 217           |
| 20"            | 21.60        | 11.80" | 14: 3/4" x 4 1/2"     | RFCA - 21.60   | 1,521.19            | 1,611.94              | 1,772.94                | 1,863.69                 | 256           |
| 24"            | 25.80        | 12.00" | 16: 3/4" x 5"         | RFCA - 25.80   | 1,845.38            | 1,959.61              | 2,130.38                | 2,244.61                 | 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.*