RFCA- PVC
RESTRAINED FLANGE COUPLING ADAPTER FOR PVC PIPE 14 - 24 IN.

SUBMITTAL INFORMATION

NSF61 Certified.

USE

The Restrained Flanged Coupling Adapter is used to connect plain end C905 PVC pipe to a standard ANSI class 125 and 150 bolt circle. It provides flexibility before and after installation. The RFCA replaces costly concrete thrust blocks, corrodible steel tie rods and clamps.

MATERIALS

GLAND AND FLANGE BODY
Ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12.

GASKET
MJ Gasket per AWWA C111 is made from virgin Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000 MBA 710. Flange gasket is O ring style and is made of Nitrile Butadiene Rubber (NBR) in accordance with ASTM D 2000. Other compounds available for petroleum, chemical, or high temperature service.

RESTRAINING BOLT
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
Type 304 stainless steel.

GLAND BOLTS AND NUTS
High strength low alloy steel T-head bolt. National coarse rolled thread and heavy hex nut. Steel meets ASTM A 588 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. Fusion bonded epoxy, RomaGrip Romabond polyester, available on request.

FLANGE
Compatible with ANSI Class 125 and 150 bolt circles.

STANDARD

Romac couplings meet the specifications set forth in the AWWA Standard C219 coupling spec.

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This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.

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PIPE COMPATIBILITY AND TORQUE

PIPE MATERIAL	PIPE SIZE	WORKING PRESSURE	RECOMMENDED TORQUE FOR T-BOLTS	RECOMMENDED TORQUE FOR RESTRAINING BOLTS
PVC - D.I. Size (C905 Class 100, DR 41)	14"	80 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 100, DR 41)	16" - 24"	100 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 125, DR 32.5)	14" - 24"	125 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 165, DR 25)	14" - 24"	165 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 235, DR 18)	14" - 16"	235 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 235, DR 18)	18" - 20"	200 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 235, DR 18)	24"	165 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 305, DR 14)	14" - 16"	235 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 305, DR 14)	18" - 20"	200 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. Size (C905 Class 305, DR 14)	24"	165 PSI	75-90 ft-lbs.	TORQUE OFF HEADS
PVC - D.I. SIZE (C909)	NOT COMPATIBLE WITH RFCA-PVC			
PVC - "CLASS PIPE" (IPS SIZE)				
DUCTILE IRON				
STEEL				
ASBESTOS CEMENT				
FIBERGLASS				
HDPE				

*WORKING PRESSURES ARE DESIGNED WITH A 2:1 SAFETY FACTOR

DEFLECTION

Maximum joint deflection for 14" and 16" is 2.00 degrees and for 18" – 24" is 1.5 degrees.

SIZES & RANGES

See Catalog.

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