

# 611 PIPE RESTRAINING SYSTEM



## MATERIAL SPECIFICATIONS

**CASTINGS:** Ductile iron, meeting or exceeding ASTM A 536, Grade 65-45-12.

**CLAMPING BOLTS FOR SIZES 4" - 12":** High Strength Low Alloy Steel per AWWA C111. Nuts are ANSI B 18.2.2.

**CLAMPING BOLTS AND HEX NUTS FOR SIZES 14" - 36":** High strength steel in accordance with ASTM A449 and zinc plated to B633, Type III Sc.1 for corrosion resistance.

**RESTRAINING RODS AND NUTS FOR SIZES 4" - 12":** High strength, low alloy steel per AWWA C111.

**RESTRAINING RODS AND NUTS FOR SIZES 14" - 36":** high strength, low alloy steel in accordance with AWWA/ANSI C111/A21.11 and provide a minimum 45,000 psi yield and 60,000 psi tensile strength.

**COATING 4" - 12":** Color coded shop coat. Black for ductile iron and C900 sizes, Red for IPS size PVC.

**COATING 14" - 36":** Red for C905 PVC only.

**NOTE:** Stainless steel bolts and rods are available upon request, please provide maximum pressure.



6 INCH 611 RESTRAINING PIPE ENDS ON BOTH SIDES OF A ROMAC 501 COUPLING

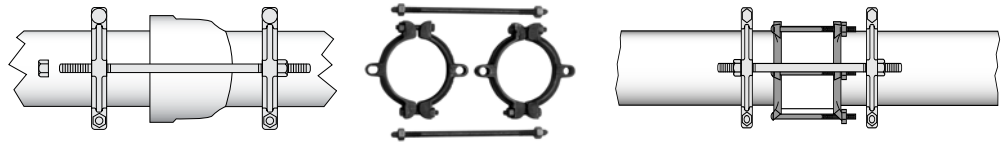


600 SERIES APPROVED FOR 4" - 10" SIZES FOR C900

RESTRAINT SYSTEMS

## STYLE 611

for Bell & Spigot Joints, Romac Couplings and Transitions



NOM. PIPE SIZE	PIPE MATERIAL	PIPE O.D.	CATALOG NUMBER	CLAMPING BOLTS <sup>1</sup> QTY: SIZE	RESTRAINING RODS QTY: SIZE	APPROX. WEIGHT (lbs.)	LIST PRICE
4"	IPS size PVC DI, C-900	4.50	611 - 4.50	4: 5/8" x 4"	2: 3/4" x 18"	20 #	\$70.36
		4.80	611 - 4.80				
6"	IPS size PVC DI, C-900	6.63	611 - 6.63	4: 5/8" x 4"	2: 3/4" x 20"	22 #	93.29
		6.90	611 - 6.90				
8"	IPS size PVC DI, C-900	8.63	611 - 8.63	4: 3/4" x 5"	2: 3/4" x 20"	40 #	151.17
		9.05	611 - 9.05				
10"	IPS size PVC DI, C-900	10.75	611 - 10.75	4: 7/8" x 5"	4: 3/4" x 22"	50 #	263.52
		11.10	611 - 11.10				
12"	IPS size PVC DI, C-900	12.75	611 - 12.75	4: 7/8" x 5"	4: 3/4" x 22"	60 #	288.31
		13.20	611 - 13.20				
14" <sup>2</sup>	C905	15.30	611 - 15.30 <sup>2</sup>	8: 7/8" x 6 1/4"	6: 3/4" x 30"	105 #	570.00
16" <sup>2</sup>	C905	17.40	611 - 17.40 <sup>2</sup>	8: 7/8" x 6 1/4"	6: 3/4" x 30"	115 #	605.00
18" <sup>2</sup>	C905	19.50	611 - 19.50 <sup>2</sup>	8: 1" x 6 1/4"	8: 3/4" x 30"	165 #	695.00
20" <sup>2</sup>	C905	21.60	611 - 21.60 <sup>2</sup>	8: 1 1/4" x 6 1/2"	8: 3/4" x 36"	235 #	1,200.00
24" <sup>2</sup>	C905	25.80	611 - 25.80 <sup>2</sup>	8: 1 1/4" x 6 1/2"	10: 3/4" x 36"	290 #	1,305.00
30" <sup>2</sup>	C905	32.00	611 - 32.00 <sup>2</sup>	8: 1 1/4" x 8 1/2"	10: 1" x 40"	465 #	2,150.00
36" <sup>2</sup>	C905	38.30	611 - 38.30 <sup>2</sup>	8: 1 1/4" x 8 1/2"	12: 1" x 40"	525 #	2,670.00

<sup>1</sup> Per pair of castings

Not for use on polyethylene pipe, C909, steel pipe or ductile iron pipe larger than 12 inches.

<sup>2</sup> Imported

**TO ORDER:** Specify catalog number.

**EXAMPLE:** For a 6" DI or C-900 Bell & Spigot Joint, order **STYLE 611 - 6.90**



# 612 PIPE RESTRAINING SYSTEM

RESTRAINT SYSTEMS

## MATERIAL SPECIFICATIONS

**CASTINGS:** Ductile iron, meeting or exceeding ASTM A 536, Grade 65-45-12.

**CLAMPING BOLTS FOR SIZES 4" - 12":** High Strength Low Alloy Steel per AWWA C111. Nuts are ANSI B 18.2.2.

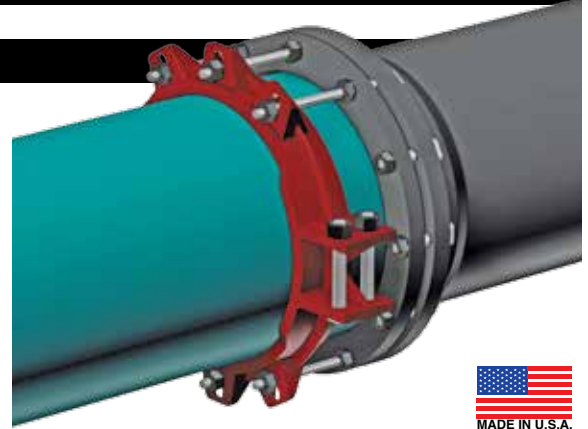
**CLAMPING BOLTS AND HEX NUTS FOR SIZES 14" - 36":** High strength steel in accordance with ASTM A449 and zinc plated to B633, Type III Sc.1 for corrosion resistance.

**T-BOLTS AND NUTS FOR SIZES 4" - 12":** High strength, low alloy steel per AWWA C111.

**T-BOLTS AND NUTS FOR SIZES 14" - 36":** high strength, low alloy steel in accordance with AWWA/ANSI C111/A21.11 and provide a minimum 45,000 psi yield and 60,000 psi tensile strength.

**COATING 4" - 12":** Color coded shop coat. Black for ductile iron and C900 sizes, Red for IPS size PVC.

**COATING 14" - 36":** Red for C905 PVC only.



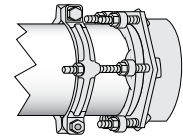
16 INCH 612 RESTRAINING JOINT  
STANDARD MECHANICAL JOINT.



600 SERIES APPROVED FOR 4" - 10"  
SIZES FOR C900

## STYLE 612

for Mechanical Joints & Push-On Fittings with Restraint Ears.



NOM. PIPE SIZE	PIPE MATERIAL	PIPE O.D.	CATALOG NUMBER	CLAMPING BOLTS QTY: SIZE	RESTRAINING RODS QTY: SIZE	APPROX. WEIGHT (lbs.)	LIST PRICE
4"	IPS size PVC DI, C-900	4.50	612 - 4.50	2: 5/8" x 4"	2: 3/4" x 7"	10 #	\$49.93
		4.80	612 - 4.80				
6"	IPS size PVC DI, C-900	6.63	612 - 6.63	2: 5/8" x 4"	2: 3/4" x 7"	15 #	60.50
		6.90	612 - 6.90				
8"	IPS size PVC DI, C-900	8.63	612 - 8.63	2: 3/4" x 5"	2: 3/4" x 7"	25 #	89.98
		9.05	612 - 9.05				
10"	IPS size PVC DI, C-900	10.75	612 - 10.75	2: 7/8" x 5"	4: 3/4" x 7"	28 #	168.80
		11.10	612 - 11.10				
12"	IPS size PVC DI, C-900	12.75	612 - 12.75	2: 7/8" x 5"	4: 3/4" x 7"	32 #	179.35
		13.20	612 - 13.20				
14"	C905	15.30	612 - 15.30 <sup>1</sup>	4: 7/8" x 6 1/4"	6: 3/4" x 17"	52 #	310.00
16"	C905	17.40	612 - 17.40 <sup>1</sup>	4: 7/8" x 6 1/4"	6: 3/4" x 17"	58 #	340.00
18"	C905	19.50	612 - 19.50 <sup>1</sup>	4: 1" x 6 1/4"	8: 3/4" x 17"	86 #	390.00
20"	C905	21.60	612 - 21.60 <sup>1</sup>	4: 1 1/4" x 6 1/2"	8: 3/4" x 24"	123 #	640.00
24"	C905	25.80	612 - 25.80 <sup>1</sup>	4: 1 1/4" x 6 1/2"	10: 3/4" x 24"	151 #	780.00
30"	C905	32.00	612 - 32.00 <sup>1</sup>	4: 1 1/4" x 8 1/2"	10: 1" x 24"	240 #	1,290.00
36"	C905	38.30	612 - 38.30 <sup>1</sup>	4: 1 1/4" x 8 1/2"	10: 1" x 24"	269 #	1,550.00

<sup>1</sup> Imported

Not for use on polyethylene pipe, C909, plain end mechanical joint fittings, steel pipe or ductile iron pipe larger than 12 inches.

**TO ORDER:** Specify catalog number.

**EXAMPLE:** For a 6" DI or C-900 MJ fitting, order **Style 612 - 6.90**