



# Flanged Coupling Adapter

## Ductile Iron (OMNI compatible gasket)

# 912

**Description:** Cast flanged coupling adapter

**Application:** For joining plain end pipe to flanged valves and fittings.

### Key Features:

- Heavy cast Ductile Iron parts for long life
- Shipped complete, including flange bolts
- Meets applicable portions of AWWA C219 Standards
- Optional anchor studs provide joint restraint capability to secure the plain pipe end
- Provides a quick means of removing and reinstalling a flanged fitting already in line
- Compatible with Omni Coupling System gaskets to give your inventory more flexibility
- Most applications are stab fit making installation easy. No disassembly required for other application types
- One body per nominal pipe size takes the guess work out of deciding which body to choose. Just add the correct color flanges and Omni gasket
- Follower flanges are color coded by general pipe type. Blue for ductile O.D., red for iron pipe size O.D. and gray for Asbestos Cement O.D.
- Coupling end helps relieve stress, absorbs vibration and accepts deflection in the piping system
- No need for field fabrications. FCA's work with plain-end pipe to make the flanged connection

### Materials Specifications (subject to change):

BODY: Ductile Iron ASTM A536, bolt circle, bolt size and spacing conform to ANSI 1b. flange drilling

FOLLOWER: Ductile Iron ASTM A536

GASKET: Nitrile (Buna N) Certified to NSF/ANSI 61. Compounded to produce superior storage and performance characteristics while resisting water, acids, alkalies, most (aliphatic) hydrocarbon fluids and other chemicals

Temperature Range: -20°F to 180°F. NOTE: Consult manufacturer for specific applications or other service temperatures.

O-RING: Nitrile

NUTS: High strength, low alloy steel (HSLA) per AWWA C111/A21.11

*Optional 304 Stainless Steel*

TEE BOLTS: Ductile Iron

CROSS BOLTS: Ductile Iron

STUDS: ASTM A193 Grade B7 electro-galvanized with dichromate seal. *Optional 304 Stainless Steel*

FINISH: Flexi-Coat®, Fusion-Bonded Epoxy Finish

**Working Pressure:** Up to 250 PSI.

**Pipe Applications:** Steel, Cast Iron, Asbestos Cement, Ductile Iron, PVC

**Sizes (in inches):** 3, 4, 6, 8, 10, 12



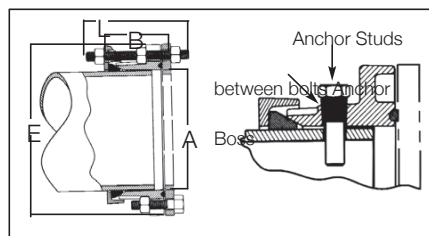
912

# Flanged Coupling Adapter

## Ductile Iron (OMNI compatible gasket)

Uses Cross Bolts and T-Bolts

| NOM<br>SIZE INCHES | O.D. RANGE<br>INCHES | CATALOG NUMBER   | WEIGHT<br>EACH LBS. | OPTIONAL ANCHOR STUDS |      | DIMENSIONS/INCHES |       |        |        |
|--------------------|----------------------|------------------|---------------------|-----------------------|------|-------------------|-------|--------|--------|
|                    |                      |                  |                     | QTY                   | *PSI | A                 | B     | E      | L      |
| 3                  | 2.85-3.13            | 912-91031303-000 | 17                  | N/A                   | N/A  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                    | 3.44-3.62            | 912-91035003-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                    | 3.80-3.96            | 912-91039603-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                    | 3.97-4.14            | 912-91041403-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
| 4                  | 4.00-4.15            | 912-91041504-000 | 22                  | N/A                   | N/A  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                    | 4.22-4.50            | 912-91045004-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                    | 4.46-4.86            | 912-91048604-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                    | 4.80-5.10            | 912-91051004-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
| 6                  | 6.00-6.15            | 912-91061506-000 | 29                  | 2                     | 125  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                    | 6.28-6.63            | 912-91066306-000 | 29                  | N/A                   | N/A  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                    | 6.56-6.96            | 912-91069606-000 | 29                  | 2                     | 175  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                    | 6.90-7.20            | 912-91072006-000 | 29                  | 2                     | 175  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
| 8                  | 8.00                 | 912-91080008-000 | 40                  | N/A                   | N/A  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                    | 8.40-8.63            | 912-91086308-000 | 40                  | 2                     | 100  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                    | 8.54-9.11            | 912-91091108-000 | 40                  | 2                     | 100  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                    | 9.05-9.40            | 912-91094008-000 | 40                  | 2                     | 175  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
| 10                 | 10.00                | 912-91100010-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                    | 10.50-10.75          | 912-91107510-000 | 60                  | 4                     | 100  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                    | 11.10-11.60          | 912-91116010-000 | 60                  | 4                     | 120  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                    | 11.65-11.88          | 912-91118810-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                    | 11.90-11.95          | 912-91119510-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
| 12                 | 12.00                | 912-91120012-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |
|                    | 12.50-12.75          | 912-91127512-000 | 80                  | 6                     | 100  | 14                | 4     | 18 3/4 | 6 3/8  |
|                    | 13.20-13.50          | 912-91135012-000 | 80                  | 6                     | 100  | 14                | 4     | 18 3/4 | 6 3/8  |
|                    | 13.50-13.75          | 912-91137512-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |
|                    | 13.90-14.20          | 912-91142012-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |



Anchor Studs will be installed at the factory on customer request only.

## Uses Studs Instead of Cross Bolts

| NOM<br>SIZE<br>INCHES | O.D.<br>RANGE<br>INCHES | CATALOG NUMBER   | WEIGHT<br>EACH LBS. | OPTIONAL ANCHOR STUDS |      | DIMENSIONS/INCHES |       |        |        |
|-----------------------|-------------------------|------------------|---------------------|-----------------------|------|-------------------|-------|--------|--------|
|                       |                         |                  |                     | QTY.                  | *PSI | A                 | B     | E      | L      |
| 3                     | 2.85-3.13               | 912-90031303-000 | 17                  | N/A                   | N/A  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                       | 3.44-3.62               | 912-90035003-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                       | 3.80-3.96               | 912-90039603-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
|                       | 3.97-4.14               | 912-90041403-000 | 17                  | 2                     | 175  | 3 7/8             | 3     | 7 3/4  | 4 9/16 |
| 4                     | 4.00-4.15               | 912-90041504-000 | 22                  | N/A                   | N/A  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                       | 4.22-4.50               | 912-90045004-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                       | 4.46-4.86               | 912-90048604-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
|                       | 4.80-5.10               | 912-90051004-000 | 22                  | 2                     | 175  | 5 1/4             | 3     | 9 1/32 | 4 7/8  |
| 6                     | 6.00-6.15               | 912-90061506-000 | 29                  | N/A                   | N/A  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                       | 6.28-6.63               | 912-90066306-000 | 29                  | 2                     | 125  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                       | 6.56-6.96               | 912-90069606-000 | 29                  | N/A                   | 175  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
|                       | 6.90-7.20               | 912-90072006-000 | 29                  | 2                     | 175  | 7 1/4             | 3 1/2 | 10 7/8 | 5 3/4  |
| 8                     | 8.00                    | 912-90080008-000 | 40                  | N/A                   | N/A  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                       | 8.40-8.63               | 912-90086308-000 | 40                  | 2                     | 100  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                       | 8.54-9.11               | 912-90091108-000 | 40                  | 2                     | 100  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
|                       | 9.05-9.40               | 912-90094008-000 | 40                  | 2                     | 175  | 9 13/32           | 3 1/2 | 13 3/8 | 5 7/8  |
| 10                    | 10.00                   | 912-90100010-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                       | 10.50-10.75             | 912-90107510-000 | 60                  | 4                     | 100  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                       | 11.10-11.60             | 912-90116010-000 | 60                  | 4                     | 120  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                       | 11.65-11.88             | 912-90118810-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
|                       | 11.90-11.95             | 912-90119510-000 | 60                  | N/A                   | N/A  | 11 5/8            | 4     | 15 7/8 | 6 3/8  |
| 12                    | 12.00                   | 912-90120012-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |
|                       | 12.50-12.75             | 912-90127512-000 | 80                  | 6                     | 100  | 14                | 4     | 18 3/4 | 6 3/8  |
|                       | 13.20-13.50             | 912-90135012-000 | 80                  | 6                     | 100  | 14                | 4     | 18 3/4 | 6 3/8  |
|                       | 13.50-13.75             | 912-90137512-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |
|                       | 13.90-14.20             | 912-90142012-000 | 80                  | N/A                   | N/A  | 14                | 4     | 18 3/4 | 6 3/8  |

## OMNI Nuts

| NOMINAL SIZE<br>INCHES | SIZE INCHES | +NUT ELECTRO-GALVANIZED | +NUT STAINLESS<br>STEEL | +NUT LOW ALLOY |
|------------------------|-------------|-------------------------|-------------------------|----------------|
| 3" - 4"                | 5/8         | 100025-001              | 100025-202              | 100025-005     |
| 6" - 8"                | 3/4         | 100032-001              | 100032-202              | 100032-005     |
| 10" - 12"              | 7/8         | 100072-001              | 100072-202              | 100072-005     |

## OMNI Parts

| NOMINAL<br>SIZE INCHES | O.D.<br>RANGE<br>INCHES | FOLLOWER<br>FLANGE PART<br>NUMBER | BODY PART<br>NUMBER | "O" RING<br>FLANGE<br>GASKET<br>NUMBER | BOLT OR STUD<br>PART NUMBER* | CPLG. GASKET<br>PART NUMBER | CROSS BOLT<br>PART<br>NUMBER | TEE BOLT<br>PART<br>NUMBER |
|------------------------|-------------------------|-----------------------------------|---------------------|----------------------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|
| 3"                     | 2.85-3.13               | 22137-045                         | 60265-045           | 30019-069                              | (4) 90532<br>5/8 x 7         | 34610-069                   | (4) 90809<br>5/8 x 7         | -                          |
|                        | 3.44-3.62               | 22137-045                         | 60265-045           | 30019-069                              |                              | 33829-069                   |                              |                            |
|                        | 3.80-3.96               | 22138-045                         | 60265-045           | 30019-069                              |                              | 33830-069                   |                              |                            |
|                        | 3.97-4.14               | 22138-045                         | 60265-045           | 30019-069                              |                              | 33831-069                   |                              |                            |
| 4"                     | 3.96-4.15               | 22139-045                         | 60266-045           | 30023-069                              | (4) 90364<br>5/8 x 3         | 33809-069                   | (4) 90809<br>5/8 x 7         | (4) 90812<br>5/8 x 3       |
|                        | 4.22-4.50               | 22139-045                         | 60266-045           | 30023-069                              | (4) 90532<br>5/8 x 7         | 33810-069                   |                              |                            |
|                        | 4.46-4.86               | 22575-045                         | 60266-045           | 30023-069                              |                              | 34578-069                   |                              |                            |
|                        | 4.80-5.10               | 22140-045                         | 60266-045           | 30023-069                              |                              | 33811-069                   |                              |                            |
| 6"                     | 6.00-6.15               | 22141-045                         | 60267-045           | 30024-069                              | (4) 90536<br>3/4 x 3 1/4     | 33801-069                   | (4) 90810<br>3/4 x 8         | (4) 90813<br>3/4 x 3 1/4   |
|                        | 6.28-6.63               | 22141-045                         | 60267-045           | 30024-069                              |                              | 33802-069                   |                              |                            |
|                        | 6.56-6.96               | 22576-045                         | 60267-045           | 30024-069                              | (4) 90533<br>3/4 x 8         | 34579-069                   |                              |                            |
|                        | 6.90-7.20               | 22142-045                         | 60267-045           | 30024-069                              |                              | 33803-069                   |                              |                            |
| 8"                     | 8.00-8.16               | 22144-045                         | 60268-045           | 30025-069                              | (4) 90536<br>3/4 x 3 1/4     | 33805-069                   | (4) 90810<br>3/4 x 8         | (4) 90813<br>3/4 x 3 1/4   |
|                        | 8.40-8.63               | 22144-045                         | 60268-045           | 30025-069                              |                              | 33806-069                   |                              |                            |
|                        | 8.54-9.11               | 22577-045                         | 60268-045           | 30025-069                              | (4) 90533<br>3/4 x 8         | 34580-069                   |                              |                            |
|                        | 9.05-9.40               | 22145-045                         | 60268-045           | 30025-069                              |                              | 33846-069                   |                              |                            |
| 10"                    | 10.00                   | 22147-045                         | 60269-045           | 30026-069                              | (6) 90537<br>7/8 x 3 3/4     | 33860-069                   | (6) 90811<br>7/8 x 9         | (6) 90814<br>7/8 x 3 3/4   |
|                        | 10.50-10.75             | 22147-045                         | 60269-045           | 30026-069                              |                              | 33813-069                   |                              |                            |
|                        | 11.10-11.60             | 22148-045                         | 60269-045           | 30026-069                              |                              | 33814-069                   |                              |                            |
|                        | 11.65-11.88             | 22149-045                         | 60269-045           | 30026-069                              | (6) 90534<br>7/8 x 9         | 33815-069                   |                              |                            |
|                        | 11.90-11.95             | 22149-045                         | 60269-045           | 30026-069                              |                              | 33816-069                   |                              |                            |
| 12"                    | 12.00                   | 22150-045                         | 60270-045           | 30027-069                              | (6) 90537<br>7/8 x 3 3/4     | 33859-069                   | (6) 90811<br>7/8 x 9         | (6) 90814<br>7/8 x 3 3/4   |
|                        | 12.50-12.75             | 22150-045                         | 60270-045           | 30027-069                              |                              | 33817-069                   |                              |                            |
|                        | 13.20-13.50             | 22151-045                         | 60270-045           | 30027-069                              |                              | 33820-069                   |                              |                            |
|                        | 13.51-13.75             | 22151-045                         | 60270-045           | 30027-069                              | (6) 60534<br>7/8 x 9         | 33821-069                   |                              |                            |
|                        | 13.90-14.20             | 22152-045                         | 60270-045           | 30027-069                              |                              | 33818-069                   |                              |                            |