

**CITY OF AKRON, OHIO
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU**

SPECIFICATIONS FOR PLAIN AND RESTRAINED EXTENDED-RANGE COUPLINGS

QUALITY

Couplings shall be best quality workmanship and materials. All extended range couplings shall meet or exceed the latest revision of AWWA C-219.

PRIMARY SPECIFICATIONS

Extended range couplings shall be Romac Macro as manufactured by by Romac Industries (no substitution accepted). The coupling shall be tightened by one bolt on each end ring and rated to a working pressure of 260 psi.

Coupling center shall be ductile iron meeting the latest revision of ASTM specification A536 or Grade A steel meeting the latest revision of ASTM A53. End rings shall be ductile iron meeting the latest revision of ASTM specification A536 or Grade C steel meeting the latest revision of ASTM 283M. Each end ring shall have a pinless hinge. Couplings shall have a fusion-bonded epoxy coating. A handle shall be cast on each coupling center ring.

Nuts and bolts shall be 5/8 inches in diameter, heavy 304 stainless steel, with anti-seize compound.

Couplings shall have nested rubber gaskets made in two layers to accommodate a wide range of diameters. Gaskets shall be virgin NBR rubber meeting the specifications of the latest revision of NSF 61. Gasket sizes for straight couplings shall be as follows.

<u>Nominal Coupling Size</u>	<u>Range (inches) at each end</u>	<u>Center Ring Length</u>
4 inch	4.22 - 5.60	8"
6 inch	6.28 - 7.60	8"
8 inch	8.40 - 9.75	8"
10 inch	10.50 - 11.90	8"
12 inch	12.50 - 13.80	8"

Size and range of the coupling and gasket shall be marked on the coupling and its package for easy identification.

RESTRAINED COUPLINGS

When specified on the order, the coupling shall provide full circular restraint around the pipe.