

# MACRO HP EXTENDED RANGE COUPLING 2 – 12 INCH CATHODIC PROTECTION VERSION

## SUBMITTAL INFORMATION



### USE

Provides an Extended Range Coupling for multi-purpose use from steel pipe up through class 200 asbestos cement pipe with added cathodic protection. Each end requires only one bolt to compress the gasket around the pipe. The MACRO can accommodate up to 10 degrees of deflection.

### STANDARD

The MACRO coupling is in accordance with the requirements of AWWA Standard C219.

### MATERIALS

#### CASTINGS

End rings and center ring are ductile iron, meeting or exceeding the requirements of ASTM A 536, grade 65-45-12.

#### END RINGS

4–12 inch End Rings are segmented and joined with an integrated hinge. 2 and 3 inch use a type 316 stainless steel pin. The gap is spanned by the armor.

#### CENTER RINGS

Cast with integral handle for ease of assembly.

#### GASKETS

Gaskets formed from virgin Nitrile Butadiene Rubber (NBR) compounded for water and sewer service in accordance with ASTM D2000, also resistant to hydrocarbons. NSF 61 Certified.

#### ARMOR

Heavy gauge 304 stainless steel.

#### BOLTS AND NUTS

5/8-11 UNC carriage head bolts with heavy hex nuts, 304 stainless steel. Fasteners provided with anti-galling protection.

#### BOLT CAMS

Type 304 stainless steel.

#### CATHODIC STRIPS & BOLTS

Type 304 stainless steel.

#### ANODE WIRE PORT

ASTM A 36 carbon steel.

#### COATINGS

Fusion bonded epoxy in accordance with AWWA C213 and NSF 61 Certified.

### PRESSURE

When properly installed on a pipe that is within the outside diameter range of the Romac MACRO HP coupling, the 2-8 inch can be used at working pressures up to 305 psi and the 10" and 12" up to 260 psi. The LR (Low-Range) Macro can be use up to 200 psi working pressure 4" - 12". The Macro can be tested up to 1.5 times working pressure.

### SIZES & RANGES

See Catalog.

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