

**ROMAC INDUSTRIES, INC.**  
**MACRO**  
**EXTENDED RANGE COUPLING**  
**SUBMITTAL INFORMATION**



<b>Use:</b>	Provides an Extended Range Coupling for multi-purpose use from steel pipe up through class 200 asbestos cement pipe. Each end requires only one bolt to compress the gasket around the pipe. The MACRO can accommodate up to 8 degrees of deflection.
AWWA C219	The MACRO coupling is in accordance with the requirements of AWWA Standard C219.
<b>MATERIALS</b>	
Castings	All cast components (end rings, center ring, and bolt cams) are ductile iron, meeting or exceeding the requirements of ASTM A 536, grade 65-45-12.
End Rings:	End rings are segmented and joined with a pinless hinge. 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. NSF 61 certified. Other compounds available on request.
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. 316 stainless available on request.
Coatings	Center ring fusion bonded epoxy in accordance with AWWA C213 and NSF 61 Certified. End rings E-Coated epoxy.
<b>PRESSURE</b>	When properly installed on a pipe that is within the outside diameter range of the Romac MACRO coupling, it can be used at a working pressures up to 260 psi.
<b>SIZES AND RANGES</b>	See Catalog.

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