

MACRO HP EXTENDED RANGE COUPLING 2 – 16 INCH

SUBMITTAL INFORMATION



USE

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 10 degrees of deflection, 16" Macro 2 bolts per gasket, up to 8 degrees of deflection.

STANDARD

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

MATERIALS

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

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. 16 inch Macro end rings consist of 2 halves connected with bolts.

CENTER RING

Cast with integral handle for ease of assembly.

ARMOR

Heavy gauge 304 stainless steel.

GASKETS

Made from virgin Ethylene Propylene Diene Monomer Rubber (EPDM) compounded for water and sewer service in accordance with ASTM D2000, NSF 61 Certified. NBR - NSF 61 gaskets available upon request, 2 - 12 inch.

BOLTS AND NUTS

Type 304 stainless steel. 2 and 3 inch are 1/2-13 UNC, 4 – 16 inch are 5/8-11 UNC. All are carriage head bolts with heavy hex nuts. Fasteners provided with anti-galling protection. 316 stainless available on request.

COATINGS

Center Ring is Romacote fusion bonded epoxy, NSF 61 Certified. Center Ring can be coated to AWWA C213 upon request. End Rings are E-Coated epoxy.

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, 10" and 12" up to 260 psi, 16" up to 260 psi for outer gasket, 200 psi for inner gasket. 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.

NEW

MACRO HP SIZES 2 - 3 INCH



THE 2 AND 3 INCH MACRO HP COUPLINGS ARE DESIGNED TO FIT MOST COMMON PIPE MATERIALS.

FOR OTHER RANGES AND GASKET CONFIGURATIONS NOT SHOWN IN THE TABLE BELOW, CONTACT ROMAC INDUSTRIES, INC.

NOM. PIPE SIZE	COUPLING RANGE	DIMENSIONS (INCHES)					APPROX. WT. (LBS.)
		DIM. A WIDTH	DIM. B HEIGHT	DIM. C LENGTH	DIM. D GAP BETWEEN PIPE ENDS	DIM. E CENTER RING LENGTH	
2"	2.12 - 2.55	5.80	6.75	6.38	2.00	4.00	9
	2.50 - 2.90						
3"	3.13 - 3.63	7.20	8.36	8.38	4.00	6.00	12
	3.63 - 4.13						

MACRO HP SIZES 4 - 12 INCH



4 - 12 INCH MACRO COUPLINGS ARE PREASSEMBLED WITH STANDARD WIDE RANGE GASKETS THAT ACCOMMODATE IPS THROUGH CAST IRON PIPE. XL SIZES COVER DI THROUGH OVERSIZE CAST IRON PIPE DIAMETERS.

A/C GASKET INCLUDED

FOR LARGER PIPE DIAMETERS SUCH AS SOME ASBESTOS CEMENT, A SEPARATE A/C GASKET IS INCLUDED.

NOM. PIPE SIZE	OVERALL COUPLING RANGE		DIMENSIONS (INCHES)					APPROX. WT. (LBS.)
	FACTORY PREASSEMBLED	INCLUDED, REQUIRES GASKET CHANGE	DIM. A WIDTH	DIM. B HEIGHT	DIM. C LENGTH	DIM. D GAP BETWEEN PIPE ENDS	DIM. E CENTER RING LENGTH	
4"	4.40 - 5.60		8.96	10.18	11.19	6.00	8.00	28
	FACTORY PREASSEMBLED WIDE RANGE GASKET 4.40 - 5.05	INCLUDED A/C GASKET 4.95 - 5.60						
6"	6.60 - 7.60		10.96	12.18	11.19	6.00	8.00	34
	FACTORY PREASSEMBLED WIDE RANGE GASKET 6.60 - 7.15	INCLUDED A/C GASKET 7.10 - 7.60						
8"	8.60 - 9.75		13.11	14.33	11.19	6.00	8.00	36
	FACTORY PREASSEMBLED WIDE RANGE GASKET 8.60 - 9.30	INCLUDED A/C GASKET 9.10 - 9.75						
10"	10.70 - 11.90		15.26	16.48	11.19	6.00	8.00	57
	FACTORY PREASSEMBLED WIDE RANGE GASKET 10.70 - 11.30	INCLUDED A/C GASKET 11.25 - 11.90						
10" XL	11.00 - 12.20		15.56	16.78	11.19	6.00	8.00	57
	FACTORY PREASSEMBLED WIDE RANGE GASKET 11.00 - 11.65	INCLUDED A/C GASKET 11.55 - 12.20						
12"	12.70 - 13.80		17.16	18.38	11.19	6.00	8.00	62
	FACTORY PREASSEMBLED WIDE RANGE GASKET 12.70 - 13.30	INCLUDED A/C GASKET 13.15 - 13.80						
12" XL	13.15 - 14.40		17.76	18.98	11.19	6.00	8.00	62
	FACTORY PREASSEMBLED WIDE RANGE GASKET 13.15 - 13.80	INCLUDED A/C GASKET 13.75 - 14.40						