

1974



THE ORIGINAL DUCTILE IRON TWO-BOLT COUPLING

In 1974 Romac introduced our first two-bolt coupling, the Ringweij™. The patented Ringweij™ was available in two, four, six and eight inch sizes.

1974 Ringweij™ brochure. →



2009



MACRO HP™

ROMAC'S SECOND GENERATION TWO-BOLT EXTENDED RANGE COUPLING

• DESIGNED FOR STRENGTH AND LONG LIFE

- Ductile iron end-rings and center-ring have no welds.
- Heavy duty 5/8" stainless steel bolts with anti-galling protection.
- 304 stainless steel armor.
- Center ring is fusion bonded epoxy in accordance with AWWA C213 & NSF 61 certified.
- End rings are E-coated epoxy.

• EXTENDED RANGE GASKETS

NEW

With a single one-piece gasket, the Macro™ can accommodate IPS through cast iron pipe. XL sizes cover DI through Oversize Cast Iron. For larger pipe diameters such as some asbestos cement, a separate A/C gasket is included.

NEW

A/C gasket is included.

NEW

Stainless steel armor is bonded to the gasket.

• EASY TO HANDLE AND INSTALL

- The built-in handle makes the Macro™ simple to carry and maneuver during installation.
- Stab-fit installation.
- Each end of the Macro™ tightens independently with a single bolt.
- If your work space requires it, the end rings can be clocked.
- The Macro™ is lighter than traditional wide range couplings.

• SEGMENTED END RINGS

- Segmented end rings compress the gaskets evenly around the entire pipe diameter.
- The end ring's integrated hinge allows the Macro™ to be easily disassembled if necessary.

• ALLOWS DEFLECTION

NEW

The Macro™ can accommodate pipe deflection of up to 10 degrees (5 degrees on each end).

• CATHODIC PROTECTION

- The Macro™ can be ordered with an adapter / connection for cathodic protection if desired.

• ROMAC ORIGINAL DESIGN

- Romac manufactures the Macro™ in the U.S.A.
- Patents Pending.



MACRO DESIGN ADVANTAGES

ALL DUCTILE IRON



RAW CENTER RING CASTING

The Macro's™ ductile iron end-rings and center-ring offer excellent corrosion resistance.

Ductile iron parts have different thicknesses along the cross-section, allowing the parts to concentrate strength where it needs to be.



FULLY ASSEMBLED MACRO HP™ WITH EPOXY COATED CENTER-RING AND E-COATED EPOXY END-RINGS.

SEGMENTED END RINGS



SEGMENTED END-RINGS HAVE INTEGRATED HINGES.

The Macro's™ segmented end-rings apply compression forces evenly around the gasket to provide a reliable seal around the entire pipe diameter.

The e-coated epoxy coating on the end-rings is highly resistant to abrasion and maintains corrosion resistance after installation.



NEW HIGH PERFORMANCE ONE-PIECE GASKETS



OUT OF THE BOX, THE MACRO HP IS PRE-ASSEMBLED WITH A WIDE RANGE GASKET THAT COVERS MOST APPLICATIONS.



FOR INSTALLATIONS ON LARGER PIPE DIAMETERS, A SEPARATE A/C GASKET IS INCLUDED.

EASY TO INSTALL



THE HANDLE IS BUILT INTO THE DUCTILE IRON CENTER RING

Carrying and positioning the Macro™ is easy thanks to the center ring's integrated handle.

With only two bolts on the top of the Macro™, installation is a cinch.



CASTINGS:

ALL CAST COMPONENTS (END RINGS, CENTER RING, AND BOLT GUIDES) ARE DUCTILE IRON, MEETING OR EXCEEDING THE REQUIREMENTS OF ASTM A 536, GRADE 65-45-12. END RINGS ARE SEGMENTED AND JOINED WITH INTEGRATED HINGES. CENTER RING IS 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 GASKETS AND OTHER COMPOUNDS AVAILABLE ON REQUEST.

ARMORS:

HEAVY GAUGE 304 STAINLESS STEEL BONDED TO GASKET.

BOLTS & NUTS

5/8-11 UNC CARRIAGE HEAD BOLTS WITH HEAVY HEX NUTS, 304 STAINLESS STEEL (316 AVAILABLE UPON REQUEST). FASTENERS PROVIDED WITH ANTI-GALLING PROTECTION.

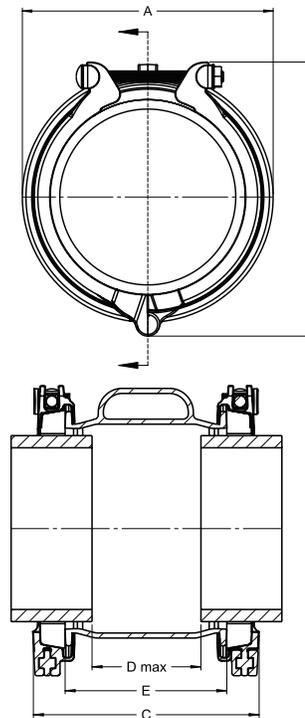
COATINGS:

CENTER RING FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA C213 AND NSF 61 CERTIFIED. END RINGS E-COATED EPOXY.

PRESSURE:

THE MACRO CAN BE USED AT WORKING PRESSURES UP TO 305 PSI. CONTACT ROMAC ENGINEERING FOR DETAILS.

INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE. CONTACT ROMAC INDUSTRIES FOR ANY UPDATES.



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 FACTORY PREASSEMBLED WIDE RANGE GASKET 4.40 - 5.05	5.60 INCLUDED A/C GASKET 4.95 - 5.60	8.96	10.18	11.19	6.00	8.00	28
6"	6.60 - 7.60 FACTORY PREASSEMBLED WIDE RANGE GASKET 6.60 - 7.15	7.60 INCLUDED A/C GASKET 7.10 - 7.60	10.96	12.18	11.19	6.00	8.00	34
8"	8.60 - 9.75 FACTORY PREASSEMBLED WIDE RANGE GASKET 8.60 - 9.30	9.75 INCLUDED A/C GASKET 9.10 - 9.75	13.11	14.33	11.19	6.00	8.00	36
10"	10.70 - 11.90 FACTORY PREASSEMBLED WIDE RANGE GASKET 10.70 - 11.30	11.90 INCLUDED A/C GASKET 11.25 - 11.90	15.26	16.48	11.19	6.00	8.00	57
10" XL	11.00 - 12.20 FACTORY PREASSEMBLED WIDE RANGE GASKET 11.00 - 11.65	12.20 INCLUDED A/C GASKET 11.55 - 12.20	15.56	16.78	11.19	6.00	8.00	57
12"	12.70 - 13.80 FACTORY PREASSEMBLED WIDE RANGE GASKET 12.70 - 13.30	13.80 INCLUDED A/C GASKET 13.15 - 13.80	17.16	18.38	11.19	6.00	8.00	62
12" XL	13.15 - 14.40 FACTORY PREASSEMBLED WIDE RANGE GASKET 13.15 - 13.80	14.40 INCLUDED A/C GASKET 13.75 - 14.40	17.76	18.98	11.19	6.00	8.00	62

OPTIONAL LR GASKET ADD-ON
LR GASKET FOR SMALLER PIPE DIAMETERS SUCH AS OD STEEL. MAX. WORKING PRESSURE FOR MACRO HP WITH LR GASKET IS 200 PSI. LR GASKETS ARE NOT COMPATIBLE WITH 10" XL OR 12" XL SIZES.

PIPE SIZE	RANGE	CATALOG NUMBER	WEIGHT (LBS.)
4"	3.50 - 4.30	8R26104LR	.68
6"	6.00 - 6.30	8R26106LR	.96
8"	8.00 - 8.40	8R26108LR	1.25
10"	10.00 - 10.50	8R26110LR	1.67
12"	12.00 - 12.50	8R26112LR	1.80

ADAPTED FOR CATHODIC PROTECTION ADD-ON



OPTIONAL MECHANICAL CONNECTION FOR ADDING CATHODIC PROTECTION SUCH AS AN ANODE (ROMAC DOES NOT SUPPLY ANODE). FOR MATERIAL SPECIFICATIONS OF MACRO WITH CATHODIC PROTECTION ADAPTER, SEE PRODUCT SUBMITTALS.