

Gander Clean and Safe Drinking Water Conference

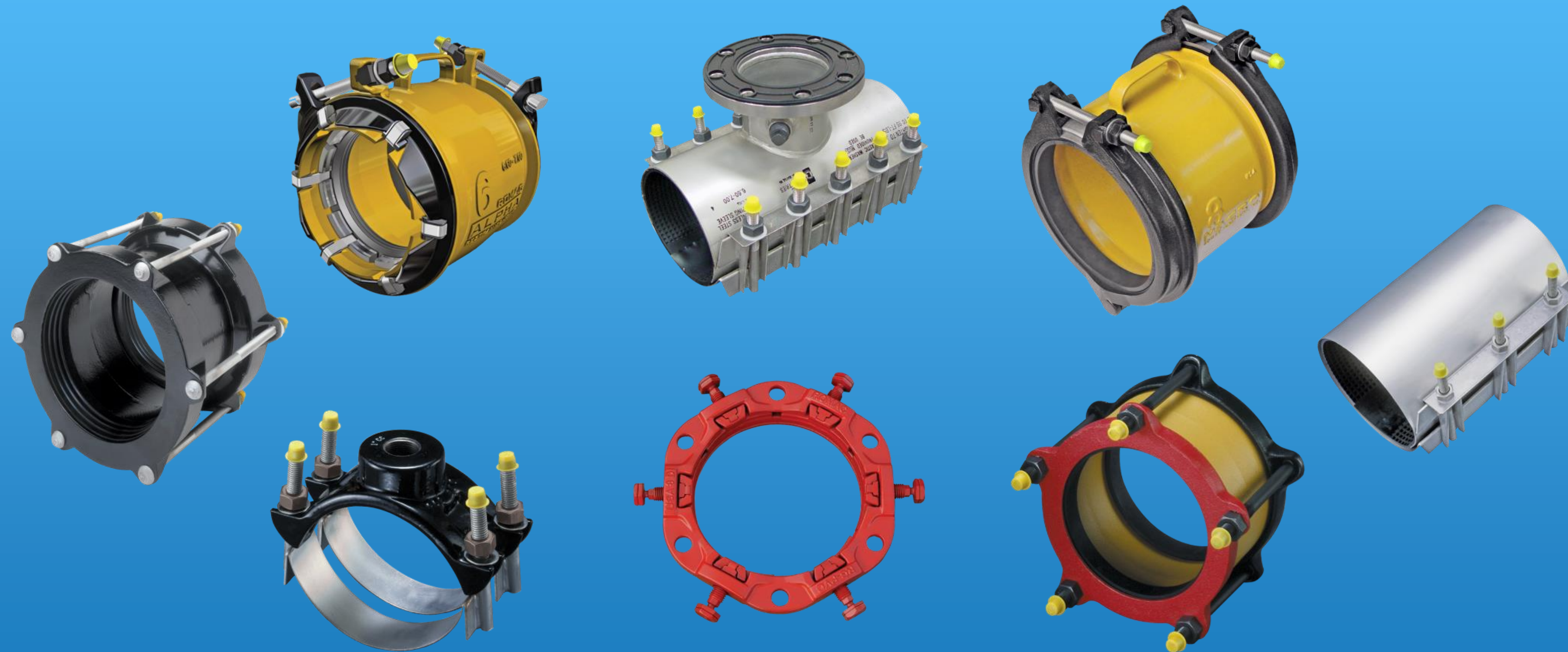
March 23, 2002

Greg Eisnor
Atlantic Waterworks Ltd.





ROMAC – Founded in 1969



Romac Industries, Inc. - www.romac.com



US Manufacturer of pipe products for the waterworks industry since 1969



In 1969 Manford 'Mac' McNeil started Romac with two employees in a small warehouse in Bellevue, WA - a suburb of Seattle. It was then that Mac introduced Romac's first all stainless-steel repair clamp.

Armed with a great product and propelled by a commitment to providing customers with first-rate customer service and product delivery, Romac then began to expand their pipeline products offerings.

QUALITY

We pour ductile iron parts in our foundry; mold our own gaskets and we even make some of the threaded fasteners on many of our products.

Because we keep nearly all phases of manufacturing in-house, the supply chain is simplified and extremely efficient. Parts are made to our exact specifications and design changes can be made quickly.

Our customers enjoy our ability to quickly provide custom products designed to meet unique requirements.





TODAY

We are a little bigger now, but our commitment to serving our customers is as evident today as it was 50 years ago.





ALPHA OFFERINGS

- Alpha End Cap, Alpha Coupling, Alpha FC and Alpha Tee



Sizes Available

Nominal sizes: 4" – 16"

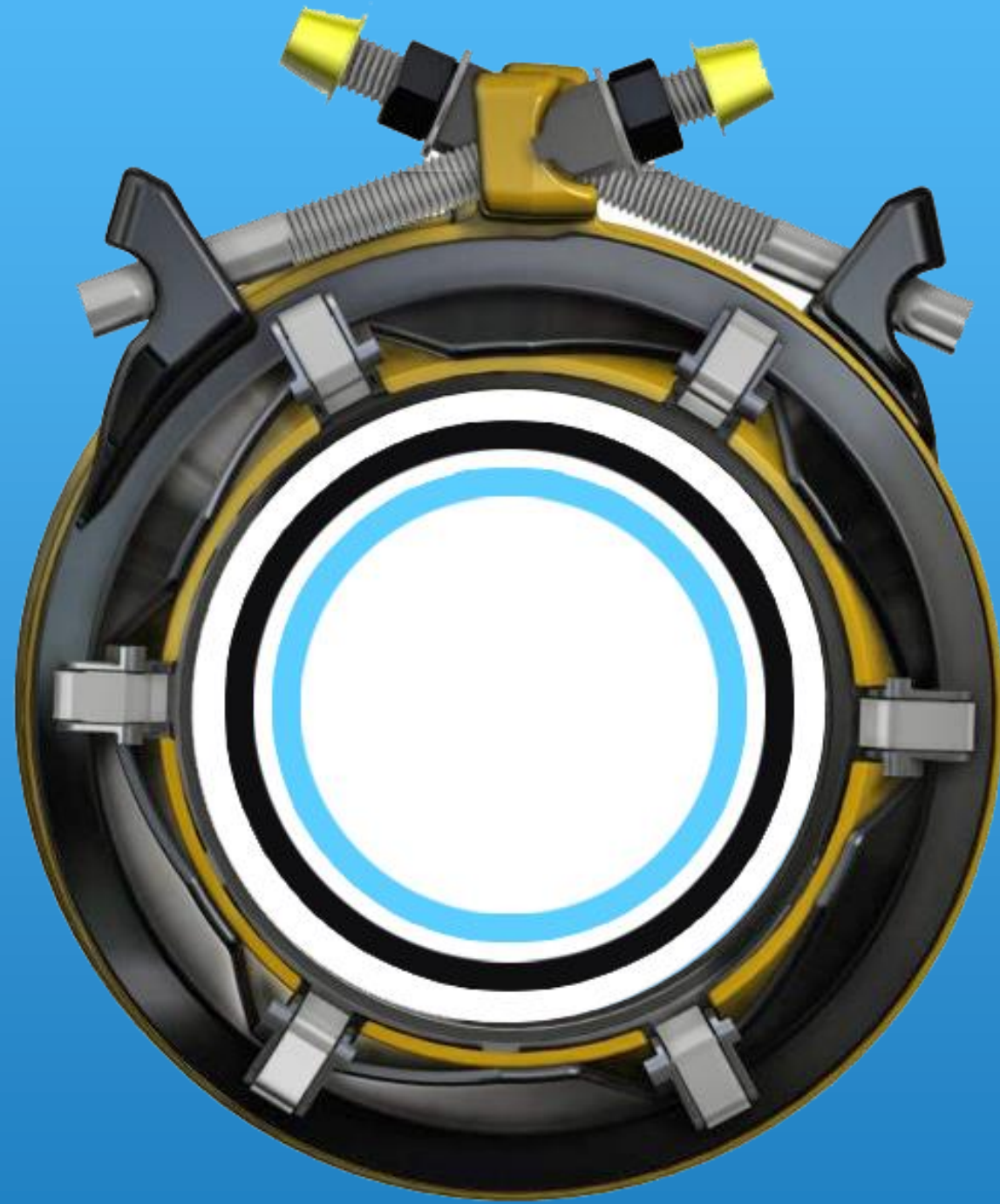


4"	STD. ALPHA	4.50 - 4.90
	ALPHA XL	4.80 - 5.10
6"	STD. ALPHA	6.60 - 7.00
	ALPHA XL	6.90 - 7.10
8"	STD. ALPHA	8.60 - 9.10
	ALPHA XL	9.05 - 9.40
10"	STD. ALPHA	10.75 - 11.20
	ALPHA XL	11.10 - 11.45
12"	STD. ALPHA	12.75 - 13.30
	ALPHA XL	13.20 - 13.60
*16"	ALPHA XL	17.40 - 17.85

* 16" is not compatible with HDPE pipe.



Pipe Compatibility



- Ductile iron
- PVC IPS Size (Schedule 40 & 80 and SDR 21)
- PVC C900 and C909
- Cast iron (most classes)
- HDPE (SDR 9, 11, 13.5 and 17 without a stiffener required) and Steel currently in testing



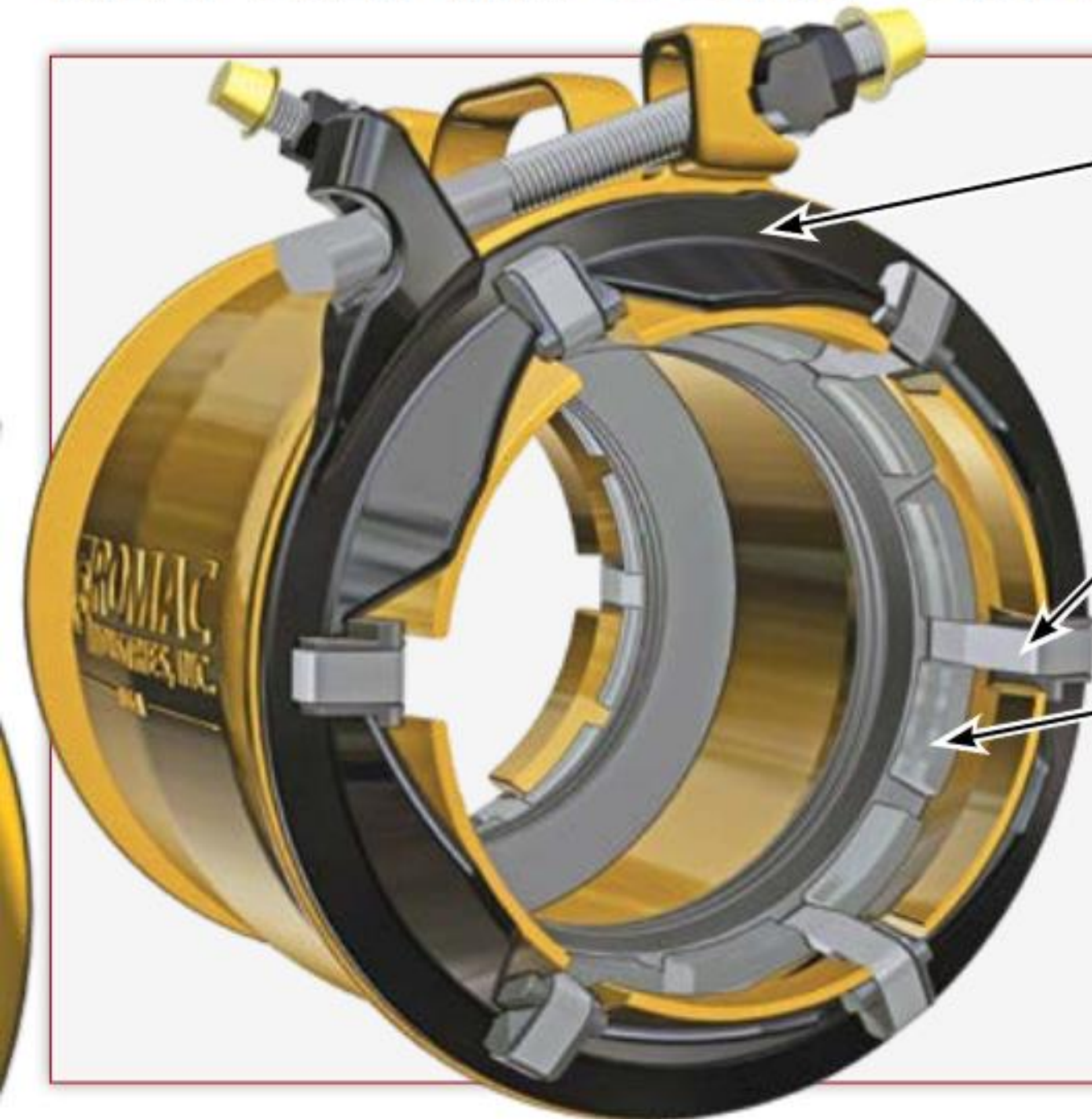
Alpha can be used on
HDPE!!

- Except on 16"





KEY ALPHA COMPONENTS



○ ROTATING END RINGS

- During installation, the end rings rotate and slide the draw hooks, gasket and grippers outward, against the pipe surface.

○ DRAW HOOK FASTENERS

- Stainless steel draw hooks are integrated into the gasket.

○ INDIVIDUAL GRIPPERS

- Individual ductile iron grippers compensate for angular deflection and out-of-round pipe.
- The grippers distribute the load evenly around the pipe circumference.

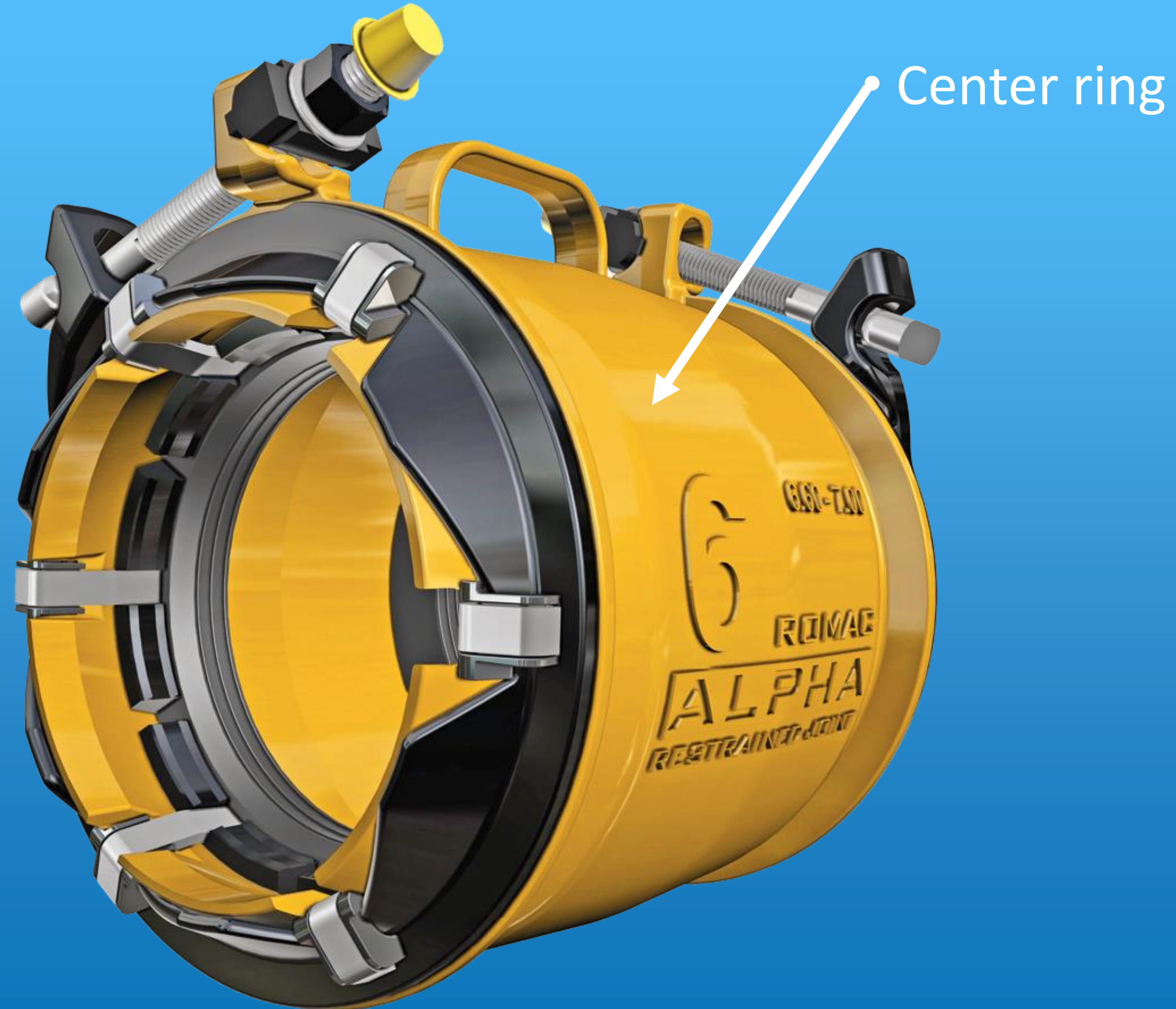


ALPHA™



ALPHA™

COMPONENTS



ALPHA™

COMPONENTS



ALPHA™

COMPONENTS



Draw hook



ALPHA™

COMPONENTS

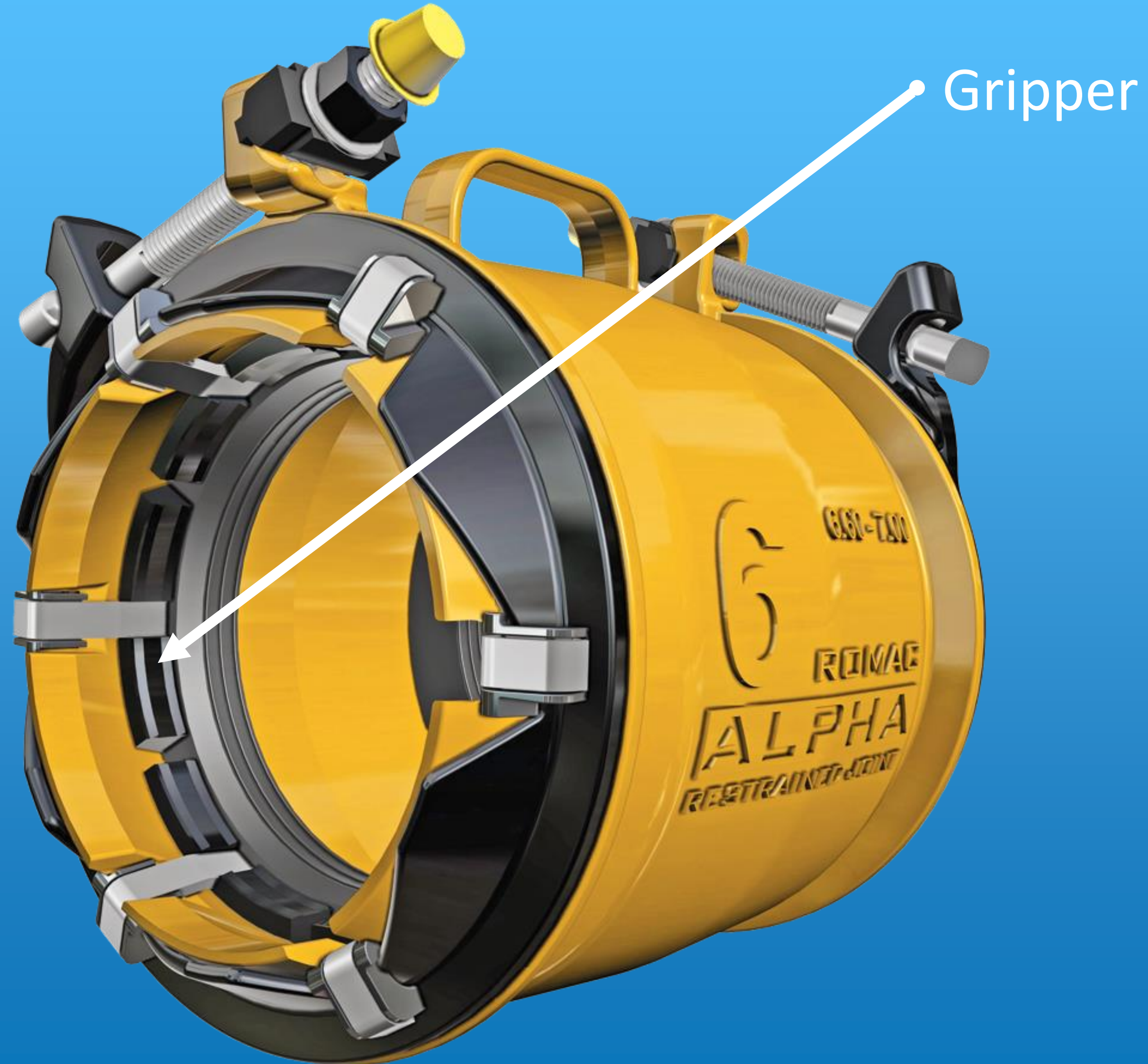


Ramp runner



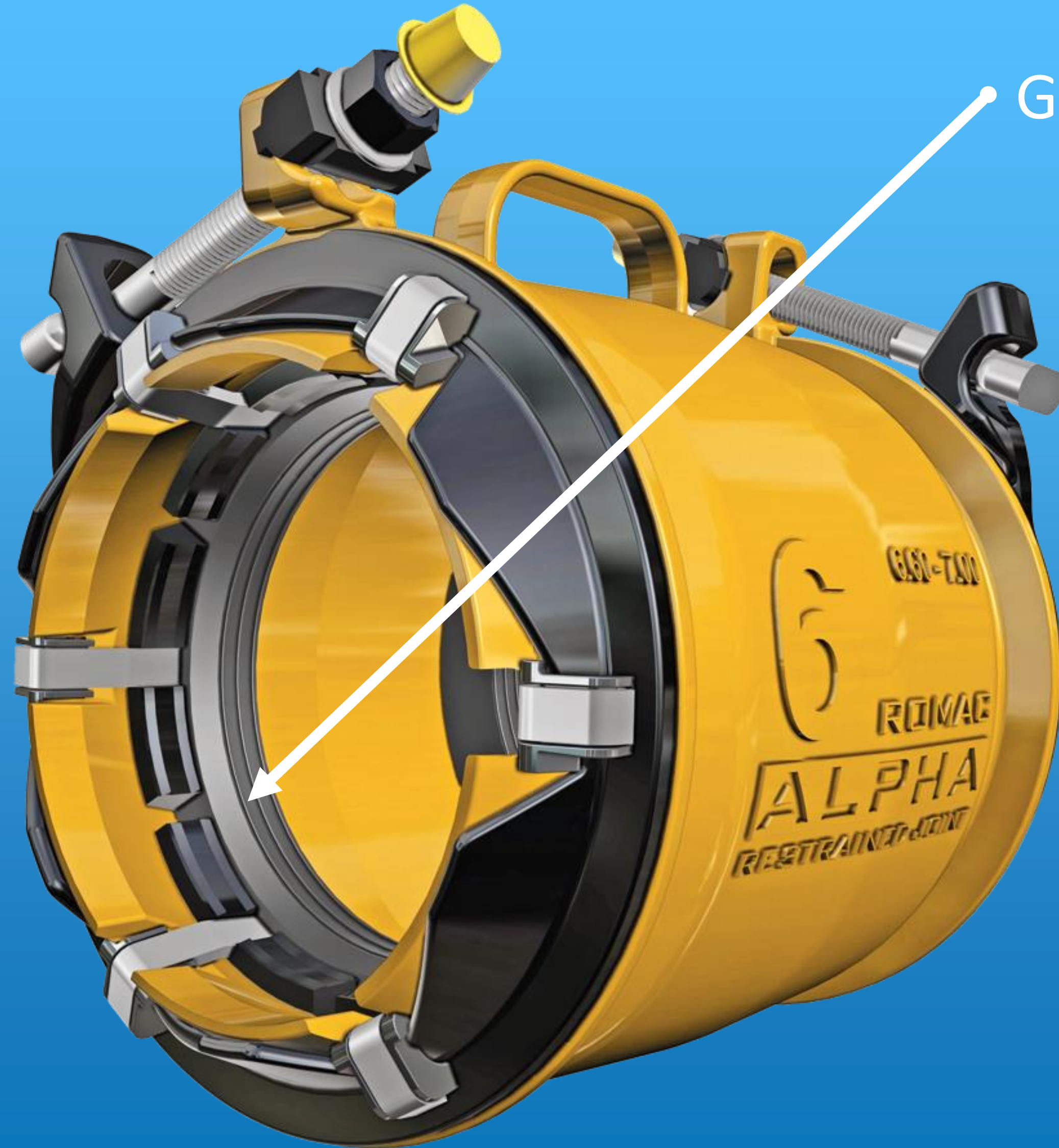
ALPHA™

COMPONENTS



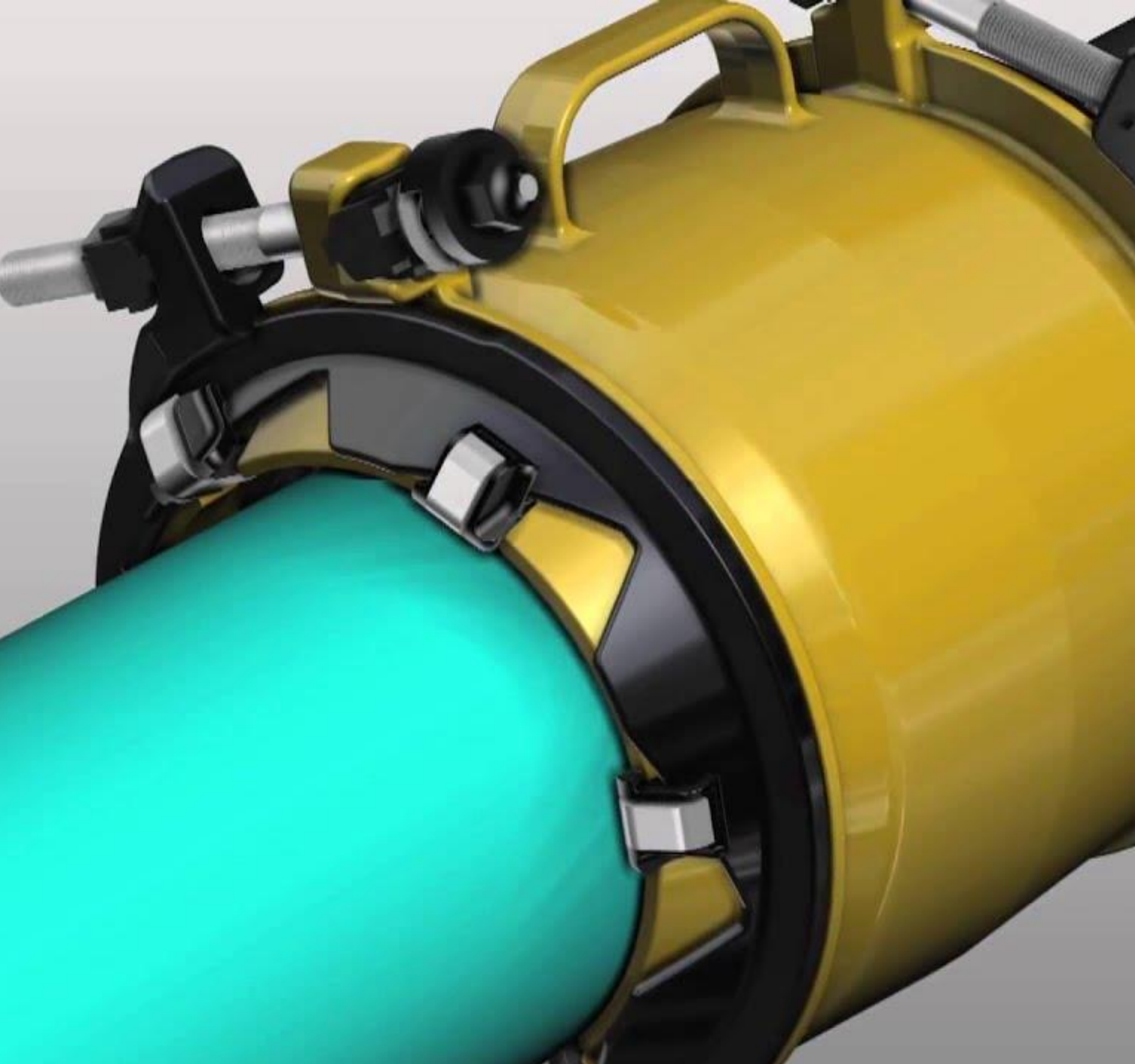
ALPHA™

COMPONENTS



Gasket





ALPHA

RESTRAINT COUPLING

INSTALLATION

ALPHA INSTALLATION
TIME IS A FRACTION
OF OTHER RESTRAINT
METHODS

 **ROMAC**
INDUSTRIES, INC.

INSTALLATION INSTRUCTIONS

Read Installation Instructions first before installing. Check parts to ensure that no damage has occurred during transit, the bolt guides are aligned with the axis of the pipe, and no parts are missing.

- You will need:
 - Torque Wrench
 - Extended Socket for 5/8" Hex Head Nut
 - OD Tape
 - Permanent Marker
 - Suitable Pipe Lube for Potable Water (NSF.org)
 - Cleaning Solution (Mix of Water & Dish Soap)
 - Brush (bristle and/or wire)
 - Rags



Torque Settings - Coupling

- 4
"-6" = 30 ft-lb
- 8
"-12" = 45 ft-lb
- 1
6" = 75 ft-lb




INSTALLATION TIME IS A FRACTION OF OTHER RESTRAINT METHODS



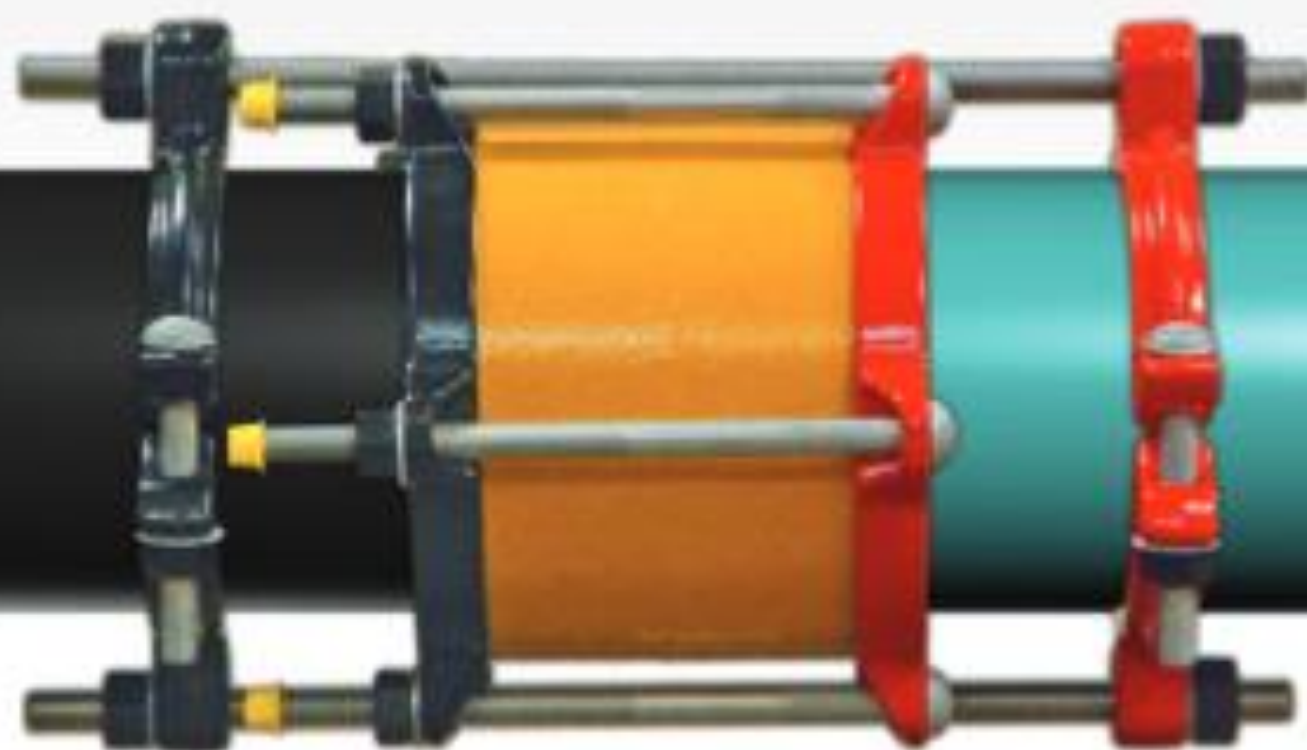
6" SLEEVE AND TWO MJ RESTRAINERS




30 MINUTES TO INSTALL
29 TOTAL PARTS TO ASSEMBLE
12 T-BOLTS TO TORQUE
9 RADIAL BOLTS TO TORQUE
2 GASKETS TO SEAT




6" COUPLING PLUS RESTRAINT SYSTEM



35 MINUTES TO INSTALL
33 TOTAL PARTS TO ASSEMBLE
5 COUPLING BOLTS TO TORQUE
4 CLAMPING BOLTS TO TORQUE
2 GASKETS TO SEAT

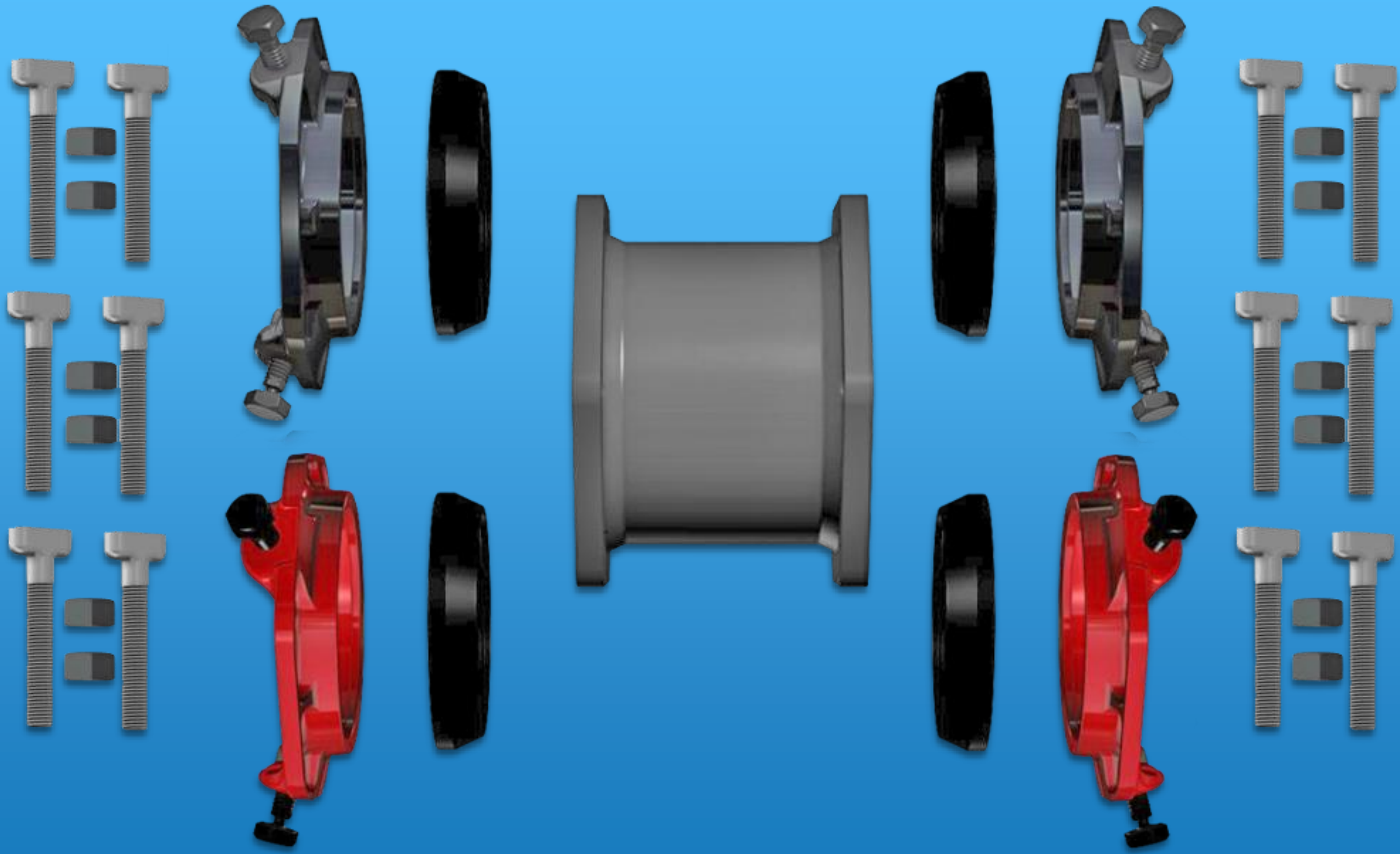


ALPHA

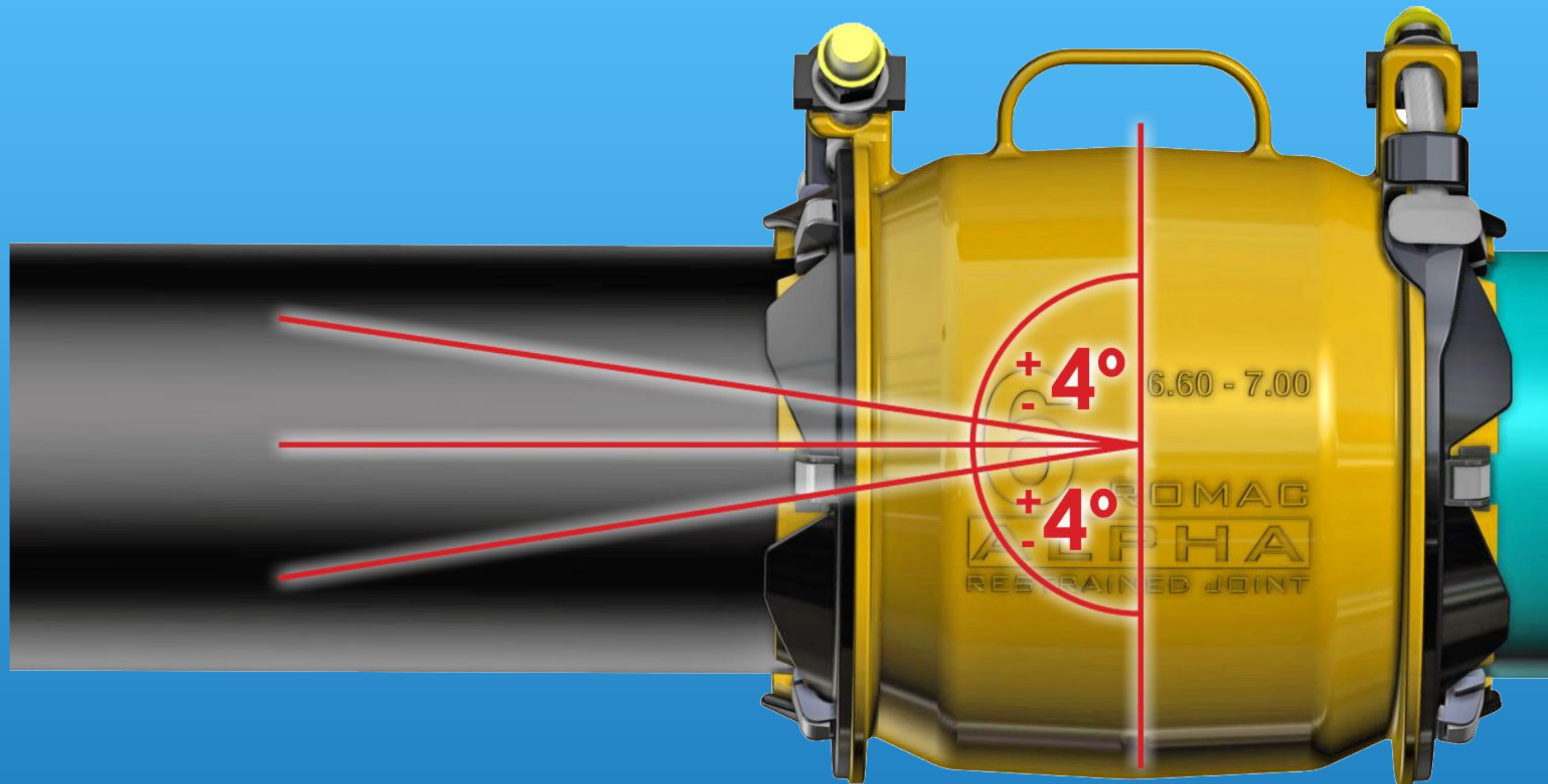


3 MINUTES TO INSTALL
2 NUTS TO TORQUE
1 PIECE (STAB-FIT)
0 GUESS-WORK





Deflection



4° per side



Working Pressure



Up to 350 psi



Testing

- Industry standards
- +800 Real world tests
- Field evaluations

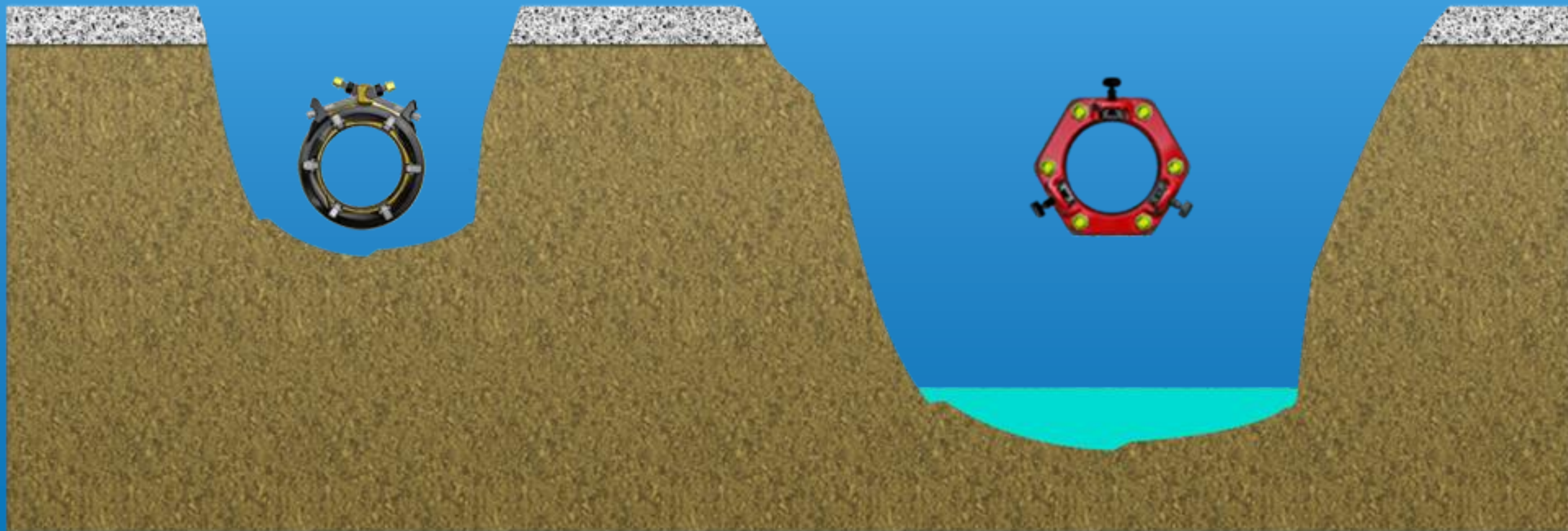




Why is it important to have bolts on top?



Access



Re-route damaged HDPE with DI pipe



Pylon



Re-route damaged HDPE with DI pipe





Pipe Burst Videos









Introduction to the Web Page

<https://romac.com/>



PRODUCTS	PRODUCTS	DOCUMENTS
Alpha	Restraint Systems	Brochures
Repair Clamps	Fittings	Catalog
Couplings	HDPE	Drawings
Flanged Couplings	Miscellaneous	Installation Instructions
Service Saddles	Transmate	Submittals
Tapping Sleeves	Valve Insertion	Supplier Portal
Sewer Products	Fab Shop	Videos



Alpha Recap





Wide Range Restrained Coupling

ORIGINALLY RELEASED IN THE SUMMER OF 2013, THE ALPHA COUPLING INSTALLS IN ABOUT THREE MINUTES, AND ACCOMMODATES UP TO 8 DEGREES OF DEFLECTION (4 DEGREES ON EACH END).

PAGE 1-4



Wide Range Restrained End Cap

THE ALPHA EC CAPS PLAIN-END PIPE FOR TESTING, BLOW-OFF OR LINE FLUSHING. THE ALPHA END CAP CAN ALSO BE USED AS A RELIABLE PIPE END SEAL FOR PERMANENT INSTALLATION.

PAGE 1-6



Wide Range Restrained Flanged Coupling

THE ALPHA FLANGED COUPLING QUICKLY ADAPTS PLAIN-END PIPE TO FLANGED FITTINGS. THE ALPHA FLANGED COUPLING ALSO ACCOMMODATES FLANGED SPOOL PIECES FOR CONNECTING TO VALVES AND OTHER FITTINGS.

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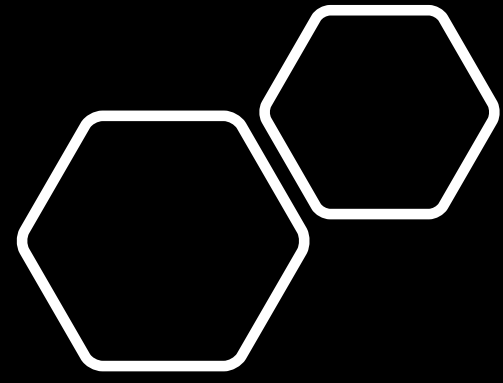


Wide Range Restrained Tee Fitting

ALPHA TEE RESTRAINED FITTINGS QUICKLY ADD A BRANCH CONNECTION OFF A MAIN LINE AND ARE FASTER TO INSTALL THAT A TRADITIONAL AWWA C153 MJ TEE.

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WHAT'S COMING

WHATS NEW WITH
ROMAC
INDUSTRIES

 **ROMAC**
INDUSTRIES, INC.





Available – Valves & Hydrants

with ALPHA™ Ends



Questions?

Thank You!

