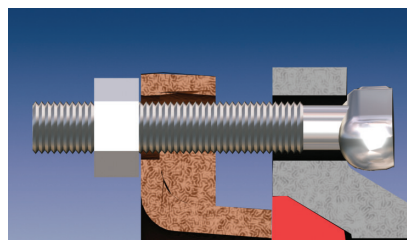
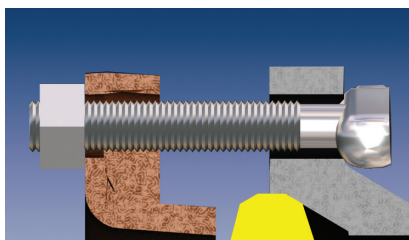


EBAA-Seal Gasket.

The EBAA-Seal - *Improved Mechanical Joint Gasket* creates a superior seal while using the minimum torque values associated with mechanical joints. This is achievable by the gasket's shape and the gasket material quality.

The specifically engineered shape allows the gasket to deform or deflect up to 30 percent more than a standard mechanical joint gasket. This allows a better transfer of bolt torque into gasket compression between the gasket and the sealing face of either the pipe wall or joint gasket race. Since a standard mechanical joint gasket is already similar to the shape of the gasket race, the gasket does not deflect as it enters the gasket race. This requires the torque values to be at the top of the mechanical joint torque range to achieve a proper seal, and on large diameters this can be time and labor consuming.

The gaskets, as our restraint devices are manufactured in the United States of America. This allows us to specify quality gasket materials to be used in the manufacturing process and since they are made domestically we can monitor the process as well to assure we are providing a gasket that is to the quality of our MEGALUG® restraints and the EBAA Iron, Inc. name.



The EBAA-Seal deflects and compresses better to the MJ gasket recess than the SMJ gasket, generating greater sealing capabilities with less bolt torque values.

### Features and Applications:

- For use at Mechanical Joints; Sizes 4 inch through 60 inch
- In accordance to ANSI/AWWA C111/A21.11-00
- 30% More Gasket Deflection than Standard Mechanical Joint Gasket, creating a superior seal between the fitting and the pipe
- Standard EBAA-Seal material is SBR. Contact EBAA Iron for additional available materials
- Sealing capabilities comparable to that of a push-on joint
- Gasket is bidirectional and has no front or back
- Seals at the joint are created with minimum bolt torque requirements, allowing joint assembly to be done right the first time, in less time

For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600, C605 or ASTM D2774.

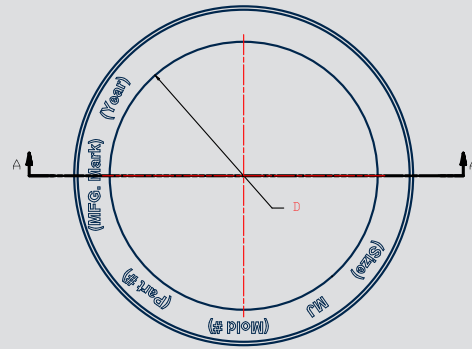
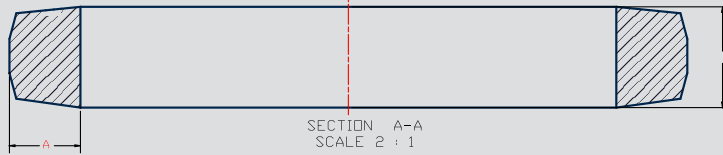
### Sample Specification

To improve the sealing capacity, the gaskets for all mechanical joints conforming to the requirements of ANSI/AWWA C110/A21.10, C111/A21.11, or C153/A21.53 shall be of a design that causes the gasket to deflect approximately 30% during assembly of the mechanical joint. The gasket material shall be certified to meet the requirements of NSF/ANSI 61 and NSF/ANSI 372 and conform to the requirements of ANSI/AWWA C111/A21.11, section 11-6.4, of the latest revision. Mechanical joint gaskets shall be EBAA Iron, Inc.'s EBAA-Seal - Improved Mechanical Joint Gasket or equal.

# Series EBAA-Seal Submittal Reference Drawing

EBAA IRON

MADE IN USA



Nominal Pipe Size	Pipe Outside Diameter	A +/- .01	B +/- .01	D +/- 1%
4	4.80	0.62	0.88	4.68
6	6.90	0.62	0.88	6.73
8	9.05	0.62	0.88	8.85
10	11.10	0.62	0.88	10.87
12	13.20	0.62	0.88	12.95
14	15.30	0.62	0.88	14.99
16	17.40	0.62	0.88	17.07
18	19.50	0.62	0.88	19.13
20	21.60	0.62	0.88	21.20
24	25.80	0.62	0.88	25.34
30	32.00	0.73	1.25	31.47
36	38.30	0.73	1.25	37.67
42	44.50	0.73	1.25	43.78
48	50.80	0.73	1.25	49.98
54	57.56	0.73	1.25	56.61
60	61.61	0.73	1.25	60.59

**NOTE:** All dimensions are in inches and are subject to change without notice.

## Installation Instructions for Mechanical Joint Assembly per AWWA C600

1. Clean the socket and the plain end. Lubrication and additional cleaning should be provided by brushing both the gasket and the plain end with soapy water or an approved pipe lubrication meeting the requirement of ANSI/AWWA C111/A21.11.

Just prior to slipping the gasket onto the plain end for joint assembly. Place the gland on the plain end with lip extension toward the plain end, followed by the gasket with the narrow edge of the gasket toward the plain end. [The gasket provided may have been the EBAA-SEAL® Improved Mechanical Joint Gasket, the EBAA-SEAL does not have a narrow edge and is bi-directional. It's use with certain sizes of MEGALUGS® is required to achieve the rated pressure.]

**NOTE:** In cold weather it is preferable to warm the gasket to facilitate assembly of the joint.

2. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.
3. Push the gland toward the socket and center it around the pipe with the gland lip against the gasket. Insert bolts and hand tighten nuts. Make deflection after joint assembly but before tightening bolts.
4. Tighten the bolts to the normal range of torque as indicated [3-inch 45-60 ft.-lbs., 4 through 24-inch 75-90 ft.-lbs., 30 and 36-inch 100-120 ft.-lbs., and 42, 48, 54, and 60-inch 120-150 ft.-lbs.] while at all times maintaining approximately the same distance between the gland and the face of the flange at all points around the socket. This can be accomplished by partially tightening the bottom bolt first, then top bolt, next the bolts at either side, finally the remaining bolts. Repeat the process until all bolts are within the appropriate range of torque. In large sizes (30-64 inch [762-1,600mm]), five or more repetitions may be required. The use of a torque-indicating wrench will facilitate this procedure.

These instructions are per AWWA C600-17

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