



EBAA IRON **MEGA-COUPLING®**

Series 3800
Restrained Coupling

Features and Applications:

- For use on:
 - Ductile Iron Pipe, 4 in. - 54 in.
 - CSO or ASTM D2239 PVC Pipe, 4 in. - 12 in.
 - CS95 PVC Pipe, 14 in. - 36 in.
 - Carbon Steel Pipe, 4 in. - 12 in.
 - HDPE Pipe, 4 in. - 12 in.
- Minimum 2 to 1 Safety Factor
- MEGA-BOND® Restraint Coating System
 - For more information regarding MEGA-BOND, refer to our web site at www.ebaa.com
- Constructed of:
 - Restraint Rings - ASTM A536 Ductile Iron (DI)
 - Coupling Sleeves - 4 - 12 in., ASTM A536 DI
 - Coupling Sleeves - 14 in. and greater: Carbon Steel
 - Double Ended Threaded Rods w/ Nuts - Corrosion Resistant, low alloy high strength steel per ANSI/AWWA C111/A21.1
 - ASTM D2000
- Couplings meet or exceeds the applicable requirements of:
 - AWWA C219
 - ASTM A536
 - ANSI/AWWA C111/A21.1
 - ASTM D2000

For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2274.

Forces experienced due to expansion/contraction of the pipe require special consideration.

The Series 3800 are designed to restrain forces based on the maximum working pressure ratings listed in the Pressure Ratings Table.

Nominal Size	Center to Center	Weight	HDPE Pipe				CS95 PVC Pipe				CS95 PVC Pipe			
			DR11	DR11.8	DR17	DR14	DR18	DR23	DR18	DR23	DR22.8	DR41		
4	2804	76.00	350	350	160	130	190	305	235	165	-	-	-	-
6	3056	82.00	350	350	160	130	190	305	235	165	-	-	-	-
8	3308	88.00	350	350	160	130	190	305	235	165	-	-	-	-
10	3560	94.00	350	350	160	130	190	305	235	165	-	-	-	-
12	3812	100.00	350	350	160	130	190	305	235	165	-	-	-	-
14	3816	107.00	285	-	-	-	-	-	235	165	125	80	-	-
16	3818	103.00	285	-	-	-	-	-	200	145	80	-	-	-
20	3920	129.00	285	-	-	-	-	-	200	145	-	-	-	-
24	3924	154.00	285	-	-	-	-	-	165	115	100	-	-	-
30	3920	160.00	285	-	-	-	-	-	165	115	-	-	-	-
36	3928	185.00	285	-	-	-	-	-	125	125	-	-	-	-
42	3942	1,119.00	285	-	-	-	-	-	-	-	-	-	-	-
48	3948	1,150.00	285	-	-	-	-	-	-	-	-	-	-	-
54	3944	1,844.00	285	-	-	-	-	-	-	-	-	-	-	-

Special Notes For Use On HDPE Pipe

For use on 4 inch through 12 inch HDPE only. The use of a pipe wall stiffening insert is required for use on HDPE pipe. The stiffeners must be sized to encompass the entire bearing length of the restraint device. Pipe systems must be engineered to prevent movement causing fitting to slide or rotate.

EBAA products for HDPE are designed for underground pressurized fluid service and are pressure rated to match the pipe BDR pressure rating, derated as appropriate for service temperature. Maximum test pressure limited to pipe rated pressure.

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ENGINEER SEAL DOES NOT APPLY TO EBBA IRON AND PUBLIC WATER SUPPLY DISTRICT NO. 2 DETAILS

PROJECT TITLE:
CONSTRUCTION PLANS FOR
Scrubles Car Wash
Highway K
O'Fallon, MO 63368

ENGINEERING PLANNING SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5592
FAX 636-928-1718

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project.

PROFESSIONAL ENGINEER
LARRY P. WICKER
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REVISIONS

NO.	DATE	DESCRIPTION
08-03-23	FORCE MAIN	
09-13-23	CONTRACTOR/FWSD	
09-27-23	CONTRACTOR/FWSD	
10-26-23	CITY COMMENTS	
11-08-23	PAY CANOPY REV.	
12-06-23	CITY COMMENTS	
12-13-23	PWSD COMMENTS	
12-18-23	MODOT COMMENTS	
01-10-24	LIGHT STANDARDS	

Developer / Owner:
Tifton Car Wash, L.L.C.
P.O. Box 7726
Tifton, GA 31793
(229) 520-2244

UTILITY PLAN/DETAIL

P+Z No. 22-007743
Approved: 10-06-22

City No. #

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