
American Water Works
Association


Product Family:	Injection Molded Electrofusion Fitting	Fitting Design:	Coupler
Resin Status:	NSF Listed Bi-Modal Virgin Resin	Nominal Pipe Sizes:	2" – 36"
Resin Type:	ASTM D3350 designated PE3408/PE4710/PE100	Nominal Pipe Standard:	IPS and DIPS
Resin Cell Class:	445574C-CC3	Currently Available SDR's:	7/9, 11/17
Manufactured and tested to meet requirements of: For use on pipe and fittings conforming to:		ASTM F1055, ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61 ASTM D2513, ASTM D3035, ASTM F-714	

For Material and Testing information, please refer to our Electrofusion Fitting Specification Sheet.

IPS

SDR 11/17 (standard dimension ratio)

200/125 PSI Water – 100 PSI Gas (MAOP @ 73.4° F)

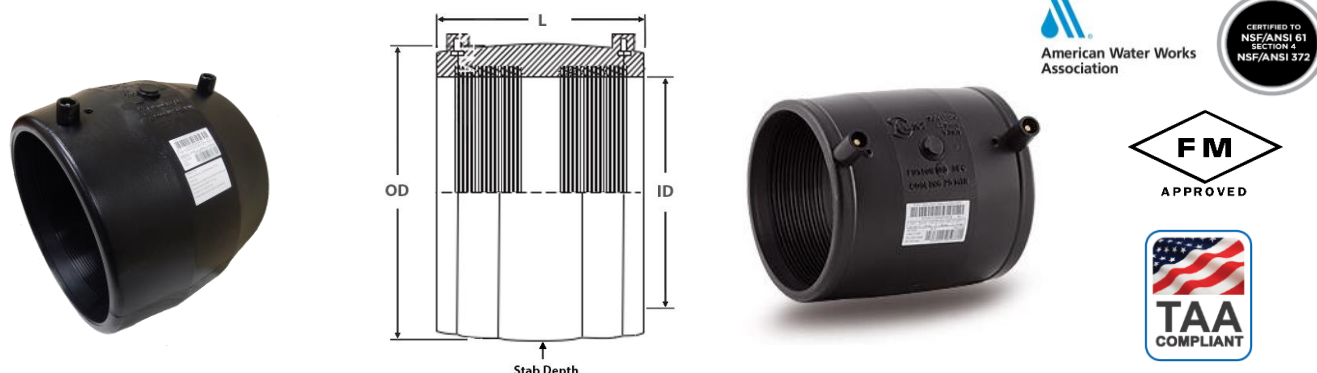
Nominal Size	OD [in.]	ID [in.]	L [in.]	Stab Depth [in.]	Weight [lbs.]	Item Code	FM Class
1" IPS	1.70	1.315	3.40	1.70	0.10	200302	-----
1 1/4" IPS	2.20	1.660	3.70	1.85	0.20	200303	-----
1 1/2" IPS	2.70	1.900	3.90	1.95	0.40	200304	-----
2" IPS	3.20	2.375	4.60	2.30	0.50	200305	-----
3" IPS	4.40	3.500	5.00	2.50	1.00	200307	FM 200 / FM 232
4" IPS	5.90	4.500	5.90	2.95	1.65	200310	FM 200 / FM 232
6" IPS	8.70	6.625	7.90	3.95	4.55	200314	FM 200 / FM 232
8" IPS	10.7	8.625	8.90	4.45	8.40	200317	FM 200 / FM 232
8" IPS	10.7	8.625	8.90	4.45	8.40	200317	FM 200 / FM 232
10" IPS	13.3	10.75	9.80	4.90	14.85	200320	FM 200 / FM 232
8" IPS	10.7	8.625	8.90	4.45	8.40	200317	FM 200 / FM 232
12" IPS	15.9	12.75	11.4	5.70	24.50	200323	FM 200 / FM 232

NOTE: Stab Depths are based on current fitting design and lengths and may be subject to change

IntegriFuse Injection Molded Electrofusion Couplers are designed with **wider fusion zones** that facilitate increased surface melt and larger melt pools, **wider cold zones** for increased flexibility in pipe stab depths, melt flow indicators for visual confirmation of material expansion in the fusion zone, and have no need for pre-heating procedures when fusing in colder temperatures

Fusion times for Electrofusion fittings are specifically determined to generate the proper "melt pool" needed to effectively join pipe and fittings based on specific SDR range of the fitting. The standard "rule of thumb" of +/- 1 SDR still applies to electrofusion fittings. SDR 11 Couplers can be fused on SDR 17 or SDR 9 pipe using the same fusion time. For applications with wall thicknesses that exceed +/- 1 SDR, the installer must contact Integrity Fusion Products for barcodes with modified fusion times, if available.

Important Note: "systems installing components containing differing SDR's must be de-rated to the pressure rating of the component possessing the lowest pressure rating"



IPS

SDR 7/9 (standard dimension ratio)

335/250 PSI Water – 125 PSI Gas (MAOP @ 73.4° F)

Nominal Size	OD [in.]	ID [in.]	L [in.]	Stab Depth [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	4.750	2.375	4.530	2.265	0.60	200306	FM 267 / FM 400
3" IPS	7.000	3.500	5.200	2.600	1.55	200308	FM 267 / FM 400
4" IPS	9.000	4.500	6.300	3.150	3.10	200311	FM 267 / FM 400
6" IPS	13.25	6.625	7.870	3.935	8.20	200315	FM 267 / FM 400
8" IPS	17.25	8.625	9.384	4.692	17.25	200318	FM 267 / FM 400
10" IPS	21.50	10.75	10.83	5.415	31.00	200321	FM 267 / FM 400
12" IPS	25.50	12.75	13.94	6.970	70.25	200324	FM 267 / FM 400

NOTE: Stab Depths are based on current fitting design and lengths and may be subject to change

DIPS

SDR 11 (standard dimension ratio)

200/125 PSI Water – 100 PSI Gas (MAOP @ 73.4° F)

Nominal Size	OD [in.]	ID [in.]	L [in.]	Stab Depth [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS	6.00	4.80	6.10	3.05	2.00	200309	FM 200 / FM 232
6" DIPS	8.50	6.90	7.50	3.75	5.05	200313	FM 200 / FM 232
8" DIPS	11.2	9.05	8.60	4.30	10.00	200316	FM 200 / FM 232
10" DIPS	13.6	11.1	9.80	4.90	14.90	200319	FM 200 / FM 232
12" DIPS	16.3	13.2	11.8	5.90	25.85	200322	FM 200 / FM 232

NOTE: Stab Depths are based on current fitting design and lengths and may be subject to change

Fusion times for Electrofusion fittings are specifically determined to generate the proper "melt pool" needed to effectively join pipe and fittings based on specific SDR range of the fitting. The standard "rule of thumb" of +/- 1 SDR still applies to electrofusion fittings. SDR 11 Couplers can be fused on SDR 17 or SDR 9 pipe using the same fusion time. For applications with wall thicknesses that exceed +/- 1 SDR, the installer must contact Integrity Fusion Products for barcodes with modified fusion times, if available.

Important Note: "systems installing components containing differing SDR's must be de-rated to the pressure rating of the component possessing the lowest pressure rating"

Integrity Fusion Products strongly requires that all individuals installing electrofusion fittings in permanent field applications should be done only by individuals who have a strong working knowledge of polyethylene and heat fusion methods, that have been properly trained, qualified, and hold a current training certificate issued from a recognized electrofusion fitting manufacturers authorized instructor, and that have demonstrated their understanding of these requirements by correctly preparing electrofusion test assemblies that have been qualified by recognized ASTM destructive testing. Other stipulations and regulations may apply, depending on fitting size, application, local codes, and/or jurisdictional oversight of other state and local regulating agencies.