

DR11 HDPE Butt Fusion Fittings

							
Inlet Size	Outlet Size		Tee	90° Elbow	45° Elbow	Cap	Reducer
1"	1"		66-3110CC	66-3119C	66-3122C	66-3149C	
1 ½"	1"						66-3115EC
1 ½"	1 ½"		66-3X10EE	66-3X19E	66-3X22E	66-3X49E	
2"	1"						66-311502C
2"	1 ½"						66-3X1502E
2"	2"		66-3X100202	66-3X1902	66-3X2202	66-3X4902	
3"	2"		66-3X100302				66-3X150302
3" x 2"	2"		66-3X10030202				
3"	3"		66-3X100303	66-3X1903	66-3X2203	66-3X4903	
4"	2"		66-3X100402				66-3X150402
4"	3"						66-3X150403
4"	4"		66-3X100404	66-3X1904	66-3X2204	66-3X4904	
6"	3"		66-3X100603				66-3X150603
6"	4"		66-3X100604				66-3X150604
6"	6"		66-3X100606	66-3X1906	66-3X2206	66-3X4906	
8"	4"		66-3X100804				66-3X150804
8"	6"		66-3X100806				66-3X150806
8"	8"		66-3X100808	66-3X1908	66-3X2208	66-3X4908	
10"	8"						66-3X151008
10"	10"		66-3X101010	66-3X1910	66-3X2210	66-3X4910	
12"	6"						66-3X151206
12"	8"						66-3X151208
12"	10"						66-3X151210
12"	12"		66-3X101212	66-3X1912	66-3X2212	66-3X4912	

Note: To specify fitting end DR rating, replace **X** in applicable part numbers with: **1** for DR11, **2** for DR13.5

Most butt fusion fittings are also available from AquaFuse as provided by CMF Global. AquaFuse fittings available with DR11 ends only.

Products displayed are the most common configurations. Other options and sizes are available upon request to meet customer requirements. Contact your Territory Manager for more details.

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DR11 HDPE Socket Fusion Fittings









Inlet Size	Outlet Size	Tee	90° Elbow	45° Elbow	Cap	Reducer	Coupling
1"	1"	69-3110CC	69-3119C		69-3149C		69-3109C
1 ½"	1"					69-3115EC	
1 ½"	1 ½"	69-3110EE	69-3119E		69-3149E		69-3109E
2"	1"					69-311502C	
2"	1 ½"					69-311502E	
2"	2"	69-31100202	69-311902	69-312202	69-314902		69-310902
3"	2"					69-31150302	
3"	3"	69-31100303	69-311903	69-312203	69-314903		69-310903
4"	2"					69-31150402	
4"	3"					69-31150403	
4"	4"	69-31100404	66-311904		69-314904		69-310904

DR11 HDPE Electrofusion Fittings









Inlet Size	Outlet Size	Tee	90° Elbow	45° Elbow	Cap	Reducer	Coupling ¹
1"	1"						70-09C
1 ½"	1 ½"						70-09E
2"	2"	70-100202	70-1902	70-2202	70-4902		70-0902
3"	2"					70-150302	
3"	3"		70-1903		70-4903		70-0903
4"	4"		70-1904				70-0904
6"	6"						70-0906
8"	8"						70-0908
10"	10"						70-0910
12"	12"						70-0912

¹ Electrofusion couplings are available in sizes up to 24" diameter. To specify fitting size, replace last 2 digits in part numbers with 2 digits for required size.

Most socket fusion and electrofusion fittings are also available from AquaFuse as provided by CMF Global.

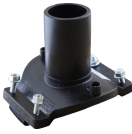
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DR11 HDPE Service Saddles

		 				
Pipe Size	Outlet Size		Harco Swivel Saddle EF x SS Swivel ¹	Harco Service Saddle EF x SS FIPT ¹	Harco Branch Saddle EF x BF ²	AquaFuse Branch Saddle SW x BF
2"	1"			70-540204S		
2"	1 ½"			70-540206S		
2"	2"			70-540208S	70-560202	
3"	1"			70-540304S		
3"	1 ½"			70-540306S		
3"	2"		70-5303S	70-540308S	70-560302	AF360000572
4"	1"			70-540404S		
4"	1 ½"			70-540406S		
4"	2"		70-5304S	70-540408S	70-560402	AF360000586
4"	3"				70-560403	AF360000592
6"	1"			70-540604S		
6"	1 ½"			70-540606S		
6"	2"		70-5306S	70-540608S	70-560602	AF360000601
6"	3"				70-560603	AF360000607
6"	4"				70-560604	
8"	1"			70-540804S		
8"	1 ½"			70-540806S		
8"	2"		70-5308S	70-540808S	70-560802	AF360000614
8"	3"				70-560803	AF360000620
8"	4"				70-560804	
8"	6"				70-560806	
10"	1"			70-541004S		
10"	1 ½"			70-541006S		
10"	2"		70-5310S	70-541008S	70-561002	AF360003583
10"	3"				70-561003	AF360003590
10"	4"				70-561004	
10"	6"				70-561006	
12"	1"			70-541204S		
12"	1 ½"			70-541206S		
12"	2"		70-5312S	70-541208S	70-561202	AF360003049
12"	3"				70-561203	AF360003592
12"	4"				70-561204	
12"	6"				70-561206	

Note: Electrofusion saddles are also available for pipe size up to 24" in diameter.

¹ Swivel and service saddles are available as non-stainless steel versions by removing the **S** at the end of the part number.

² Branch saddles for pipe larger than 12" in diameter are available with 2" or 6" outlets only.

Electrofusion service saddles and branch saddles are also available from AquaFuse as provided by CMF Global.

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HDPE Gate Valve Adapters

						
Inlet Size	Outlet Size	PJ Adapter (DR9)	PJ Restraint Kit PE x PE ¹	PJ Restraint Kit PVC x PE ¹	MJ Adapter w/ Stiffener (DR11)	MJ Gland, Gasket, Nuts & Bolts Kit ¹
3"	3"	65-3X7503	65-077503	65-078103	65-3X4203	65-904403
4"	4"	65-3X7504	65-077504	65-078104	65-3X4204	65-904404
6"	6"	65-3X7506	65-077506	65-078106	65-3X4206	65-904406
8"	8"	65-3X7508	65-077508	65-078108	65-3X4208	65-904408
10"	10"	65-3X7510	65-077510	65-078110	65-3X4210	65-904410
12"	12"	65-3X7512	65-077512	65-078112	65-3X4212	65-904412
14"	14"				65-3X4214	65-904414
16"	16"				65-3X4216	65-904416
18"	18"				65-3X4218	65-904418
24"	24"				65-3X4224	65-904424

						
Inlet Size	Outlet Size	Flange Adapter (DR11)	Flange Backup Ring ²	Flange Accessory Kit HDPE x HDPE	Flange Accessory Kit HDPE x HARCO	Flange Accessory Kit HDPE x Iron/Steel
2"	2"	65-3X6002	65-077X02	65-07XX02		65-07XX02
3"	3"	65-3X6003	65-077X03	65-07XX03	65-07XX03	65-07XX03
4"	4"	65-3X6004	65-077X04	65-07XX04	65-07XX04	65-07XX04
6"	6"	65-3X6006	65-077X06	65-07XX06	65-07XX06	65-07XX06
8"	8"	65-3X6008	65-077X08	65-07XX08	65-07XX08	65-07XX08
10"	10"	65-3X6010	65-077X10	65-07XX10	65-07XX10	65-07XX10
12"	12"	65-3X6012	65-077X12	65-07XX12	65-07XX12	65-07XX12
14"	14"	65-3X6014	65-077X14	65-07XX14		65-07XX14
16"	16"	65-3X6016	65-077X16	65-07XX16		65-07XX16
18"	18"	65-3X6018	65-077X18	65-07XX18		65-07XX18
20"	20"	65-3X6020	65-077X20	65-07XX20		65-07XX20
22"	22"	65-3X6022	65-077X22	65-07XX22		
24"	24"	65-3X6024	65-077X24	65-07XX24		65-07XX24

Note: To specify fitting end DR rating or material type for applicable part numbers, follow the guide below:

HDPE Flange Adapters: replace **X** with **1** for **DR11**, **2** for **DR13.5**

Backup Rings: replace **X** with **7** for **Ductile Iron**, **9** for **Stainless Steel**

HDPE Flange x HDPE Flange Accessory Kits: replace **XX** with **70** for **Zinc Coated Steel hardware**, **66** for **Stainless Steel hardware**

HDPE Flange x HARCO Flange Accessory Kits: replace **XX** with: **71** for **Zinc Coated Steel hardware**, **69** for **Stainless Steel hardware**

HDPE Flange x Iron/Steel Flange Accessory Kits: replace **XX** with: **72** for **Zinc Coated Steel hardware**, **65** for **Stainless Steel hardware**

¹ PJ and MJ Adapter Restraint Kits are also available with stainless steel hardware and Epoxy coated DI ring or gland by adding an **S** at the end of the part number.

² Ductile Iron backup rings are also available as Epoxy coated by adding an **F** at the end of the part number.

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HDPE Service Fittings



Pipe Size	Outlet Size	Lasco Tap't™ Saddle x F-ACME	Lasco Tap't™ Saddle x FIPT	Leemco Stainless Steel Saddle	Harco Saddle EF x F-ACME	AquaFuse Saddle EF x AquaFuse
1 ½"	½" FIPT		362-209			
1 ½"	¾" FIPT		362-210			
1 ½"	1" FIPT		362-211			
2"	1 ½" F-ACME	364-251		RSST-215A	70-610206	
2"	1 ½" AquaFuse					AFEFS150-020
2"	1 ½" FIPT			RSST-215		
3"	1 ½" F-ACME	364-337		RSST-315A	70-610306	
3"	1 ½" AquaFuse					AFEFS150-030
3"	1 ½" FIPT			RSST-315		
4"	1 ½" F-ACME	364-419			70-610406	
6"	1 ½" F-ACME				70-610606	



Pipe Size	Outlet Size	Lasco Tap't™ Hybrid Coupling BF x F-ACME	Harco Adapter BF x F-ACME	Harco Tee BF x F-ACME	Harco Tee SF x F-ACME	Harco 90° Elbow BF x F-ACME	Harco 90° Elbow SF x F-ACME	AquaFuse Saddle SW x AquaFuse
2"	1 ½" F-ACME	P330-251	65-3X410206	66-3X130206	65-31130206	66-3X240206	65-31240206	
2"	1 ½" AquaFuse							AFAS150-020
3"	1 ½" F-ACME			66-3X130306		66-3X240306		
3"	1 ½" AquaFuse							AFAS150-030

Note: To specify fitting end DR rating, replace **X** in applicable part numbers with: **1** for DR11, **2** for DR13.5

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HDPE Adapters and Transition Fittings

LASCO
Fittings, Inc.



Inlet Size	Outlet Size	Lasco HDPE Transition Union BF x MIPT	Harco HDPE SS Transition BF x MIPT	Harco HDPE Brass Transition BF x MIPT
1"	1" MIPT		65-3132C	65-3132C
1 ½"	1 ½" MIPT		65-3132D	65-3132D
2"	1" MIPT	P896-249	65-3X32E	65-3X35E
2"	1 ¼" MIPT	P896-250		
2"	1 ½" MIPT	P896-251		
2"	2" MIPT	P896-020	65-3X3202	65-3X3502
3"	3" MIPT		65-3X3203	65-3X3503
4"	4" MIPT		65-3X3204	65-3X3504



Pipe Size	Outlet Size	HDPE x PVC Transition Adapter (BF x Bell)	Wedge Style Restraint for IPS PVC Pipe (for BF x Bell adapter)	IPS Stiffener ^{1 2}
2"	2"			65-90481X02
3"	3"	65-3X4303	65-904503	65-90481X03
4"	4"	65-3X4304	65-904504	65-90481X04
6"	6"	65-3X4306	65-904506	825-060
8"	8"	65-3X4308	65-904508	825-080
10"	10"	65-3X4310	65-904510	825-100
12"	12"	65-3X4312	65-904512	825-120

Note: To specify fitting end DR rating, replace **X** in applicable part numbers with: **1** for DR11, **3** for DR13.5

¹ To specify pipe DR rating for 6" to 12" stiffeners, add **-IPS11** for DR11 and **-IPS13.5** for DR13.5

² Stiffeners are also available for use with other pipe DR ratings for HDPE pipe sizes up to 16" in diameter

HDPE Ball Valves



Inlet Size	Outlet Size	Harco ¼ Turn Ball Valve, BF, Full Port (DR9)	AquaFuse Ball Valve, BF, Full Port (DR11)	Philmac ¼ Turn Ball Valve w/ Tee Handle Comp x Comp	Philmac ¼ Turn Ball Valve w/ Tee Handle FIPT x FIPT
1"	1"			76-30104	76-70304
1 ½"	1 ½"			76-30106	
2"	2"	74-XX5102	AFBV0200Y-MFN0-XXX	76-30108	76-70308
3"	3"	74-XX5103	AFBV0300Y-MFN0-XXX		
4"	4"	74-XX5104	AFBV0400Y-MFN0-XXX		
6"	6"	74-XX5106	AFBV0600Y-MFN0-XXX		
8"	8"	74-XX5108	AFBV0800Y-MFN0-XXX		

Note: To specify options for applicable valves, follow the guide below:

Harco HDPE Ball Valves: replace **XX** with **(blank)** for DR11 ends, **32** for DR13.5 ends

AquaFuse HDPE Ball Valves: replace **XXX** with **000** for ¼ Turn Valves, **360** for 360° Turn Valves (2" to 4" valves only)

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Philmac® HDPE Compression Fittings



Inlet Size	Outlet Size	 Coupling (with stop)	 Coupling (no stop)	 Tee	 90° Elbow	 End Cap	 Plug	 Male Adapter Comp x MIPT
1"	1"	75-30844	75-30944	75-312444	75-31844	75-3494	75-6984	75-33044
1 ½"	1 ½"	75-30866	75-30966	75-312666	75-31866	75-3496	75-6986	75-33066
2"	2"	77-30888	77-30988	77-312888	77-31888	77-3498		77-33088
3"	3"	75-3081212	75-3091212	75-312121212	75-3181212	75-34912		



Inlet Size	Outlet Size	 Female Adapter Comp x FIPT	 Reducing Coupling ¹	 Reducing Tee	 Service Tee Comp x FIPT	 Service Elbow Comp x FIPT	 ACME Service Tee Comp x F-ACME	 ACME Service Elbow Comp x F-ACME
1"	1"	75-33244			75-351444	75-32044		
1 ½"	1"	75-33264	75-31764	75-313664	75-351664	75-32064		
1 ½"	1 ½"	75-33266			75-351666	75-32066		
2"	1"	77-33284	77-31784	77-313884	77-351884	77-32084		
2"	1 ½"	77-33286	77-31786	77-313886	77-351886	77-32086	77-353886	77-32386
2"	2"	77-33288			77-351888	77-32088		



Inlet Size	Outlet Size	 PVC Grip Ring ²	 Installation Wrench
1"	1"	75-6894	75-3023
1 ½"	1 ½"	75-6896	75-3026
2"	2"	77-6898 ³	77-3028 ³

¹ 2" reducing couplings are assembled using adapters.

² PVC grip rings required for each compression connection to PVC pipe.

³ 2" grip ring and installation wrench is for use with new style "77-" part number fittings only and will not work with old style "75-" part number fittings.

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