

Duct Systems

Electrofusion Couplers

Description

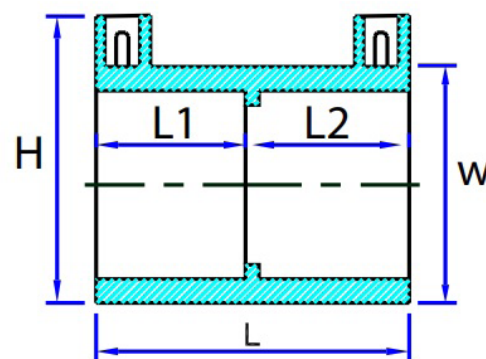
Radius electrofusion couplers are specifically designed for ease of assembly and to provide optimum efficiency during the welding process.

Our range of universal black electrofusion fittings offer a high performance jointing solution for their whole polyethylene (PE) pipeline system.

- Manufactured from high strength polyethylene (PE100)
- Exposed wire technology for maximum heat transfer during the fusion process
- Patented Easigrip® technology for large diameter fittings for ease of handling during installation
- 80V couplers significantly save on installation time due to shorter fuse times
- Simultaneous socket fusion for all fittings
- Barcode technology - for automatic temperature compensating fusion times and fitting traceability
- Manual fusion times on the body of the fitting
- Corrosion resistant
- End-load bearing jointing system
- Manufactured with insertion stops to ensure the pipe is fully engaged

Products

Couplers								
Nominal diameter [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	W [mm]	Maximum weight [kg]	Fuse time [sec]	Cool time [min]
20	52	83	40	40	29	0.03	40	4
25	52	81	40	40	32	0.03	10	4
32	61	81	40	40	42	0.05	18	4
40	66	81	40	40	49	0.05	35	4
50	87	99	48	48	63	0.13	75	9
55	101	118	58	58	81	0.3	44	5
63	98	105	52	52	77	0.16	28	5
75	113	125	62	62	93	0.31	120	14
90	131	125	62	62	109	0.39	90	10
110	152	161	79	79	132	0.72	130	13
125	168	157	77	77	151	0.88	120	15
140	182	194	96	96	162	1.08	220	18
160	209	186	92	92	195	1.81	300	22
180	229	207	102	102	215	2.25	220	12
200	260	211	106	102	246	3.49	400	16
225	285	218	109	105	266	3.78	400	22
250	315	220	109	105	296	4.26	600	37
280	335	283	138	138	320	5.86	600	32
315	387	266	133	129	380	8.6	850	33
355	415	319	158	158	407	9.2	1150	65
400	465	340	169	169	455	12.3	1750	60



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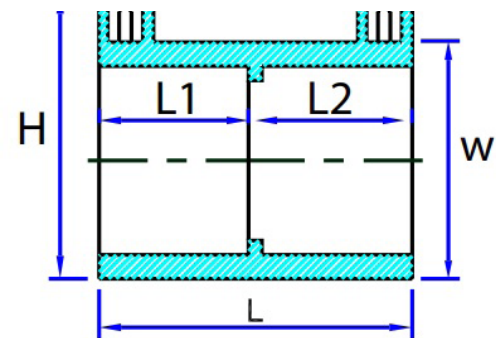
Electrofusion Couplers



SDR17 Couplers										
Nominal diameter [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	W [mm]	Maximum weight [kg]	Fuse time [sec]		Cool time [min]	
250	293	220	105	110	283	3.08	440		25	
315	362	266	133	129	356	5.68	660		36	

Easigrip® Couplers - 80V										
Nominal diameter [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	W [mm]	Maximum weight [kg]	Warm up time [sec]	Soak time [sec]	Fuse time [sec]	Cool time [min]
355	415	319	158	158	407	9.2	-	-	700	35
400	465	340	169	169	456	12.3	-	-	800	44
450*	526	376	187	187	517	17	180	600	700	45
500*	581	374	186	186	574	21.5	180	600	800	55
560*	647	398	197	197	647	27.4	500	900	2100	140
630*	720	407	202	202	720	33.6	600	900	2250	100

* Couplers use a 3-part 80 V electrofusion process. Compatible equipment must be used to weld the Easigrip® couplers. Please refer to the Easigrip® instruction. Always refer to the fitting and packaging label for the most up to date information



Approvals

	Standard*
Gas	BS EN 1555-3 - KM 596928
	GIS/PL2-4 - KM 538462
	DVGW GW 335-B2
	MPA Darmstadt - K 1598/12.2014
	IIP Certification of Conformity to EN 1555-3
Water & Wastewater	BS EN 12201-3 - KM 597648
	WRAS approved materials
	DVGW GW 335-B2
	MPA Darmstadt - K 1597/12.2014
	IIP Certification of Conformity to EN 12201-3

* For individual fitting approval(s), please contact Radius Systems