

HDPE Electrofusion Fittings



Features

Material: PE100
 Pressure rating: SDR9/PN20, SDR11/PN16, SDR17/PN10
 Size: dn20-1000mm
 Electrode pin diameter: 4.7mm, 4.0mm also available
 Standard: ISO4427-3, EN12201-3, AS/NZS 4129, BS 6920
 Color: black color.
 Joint: Thermal fusion or Electrofusion
 Product Technology: Injection moulded
 Application: For water & gas
 Certifications: Test reporter for GB/T 15558.2-2005, CE certificate for EN12201-3 & EN1555, WRAS

Benefits Of HDPE Electrofusion Fittings

- * easier the access when we have to weld in difficult situations or when we have little space to access the pipe.
- * can join polyethylene materials of different generations and thicknesses without weaken the welding
- * The cost of the installation is low, suitable to do it in private dwellings.
- * The welding equipment is, compared to the butt welding, cheaper and lighter, what allows moving it with ease.
- * It offers a wide range of solutions with simple power point and tapping saddle

Physical Properties

The dimensions of HDPE electrofusion fittings shall conform to ISO4427-3 standard, the physical properties shall meet to the below table:

Item		Requirement
Melt Flow Rate, 190 °C, 5kg (g/10min)		Change of MFR by processing $\pm 20\%$
Oxidation Induced Time, 200 °C (min)		≥ 20
Cohesive resistance for electrofusion socket fittings 23 °C, as per ISO 13954 or ISO 13955		Length of initiation rupture $\leq L/3$ in brittle failure
Hydraulic test	20 °C, 100h, Circumferential Stress 12.4Mpa	No leakage/no rupture
	80 °C, 165h, Circumferential Stress 5.5Mpa	No leakage/no rupture
	80 °C, 1000h, Circumferential Stress 5.0Mpa	No leakage/no rupture

HDPE ELECTROFUSION FITTINGS



E/F COUPLER

Code	Size	SDR9	SDR11	SDR17
CDEFEC25	25		○	
CDEFEC32	32		○	
CDEFEC40	40		○	
CDEFEC50	50	○	○	
CDEFEC63	63	○	○	
CDEFEC75	75	○	○	
CDEFEC90	90	○	○	
CDEFEC110	110	○	○	
CDEFEC125	125	○	○	
CDEFEC140	140	○	○	
CDEFEC160	160	○	○	
CDEFEC180	180	○	○	
CDEFEC200	200	○	○	
CDEFEC225	225	○	○	
CDEFEC250	250	○	○	
CDEFEC280	280	○	○	
CDEFEC315	315	○	○	
CDEFEC355	355		○	○
CDEFEC400	400		○	○
CDEFEC450	450		○	○
CDEFEC500	500		○	○
CDEFEC630	630		○	○
CDEFEC710	710			○
CDEFEC800	800			○
CDEFEC900	900			○
CDEFEC1000	1000			○



E/F ELBOW 45

Code	Size	SDR9	SDR11	SDR17
CDEFL45D50	50	○	○	
CDEFL45D63	63	○	○	
CDEFL45D75	75	○	○	
CDEFL45D90	90	○	○	
CDEFL45D110	110	○	○	
CDEFL45D125	125	○	○	
CDEFL45D140	140		○	
CDEFL45D160	160	○	○	
CDEFL45D180	180		○	
CDEFL45D200	200	○	○	
CDEFL45D225	225		○	
CDEFL45D250	250	○	○	
CDEFL45D315	315	○	○	
CDEFL45D355	355		○	○
CDEFL45D400	400		○	○
CDEFL45D450	450		○	○
CDEFL45D500	500		○	○
CDEFL45D560	560		○	○
CDEFL45D630	630		○	○



E/F ELBOW 90°

Code	Size	SDR9	SDR11	SDR17
CDEFL90D32	32		○	
CDEFL90D40	40		○	
CDEFL90D50	50	○	○	
CDEFL90D63	63	○	○	
CDEFL90D75	75	○	○	
CDEFL90D90	90	○	○	
CDEFL90D110	110	○	○	
CDEFL90D125	125	○	○	
CDEFL90D140	140		○	
CDEFL90D160	160	○	○	
CDEFL90D180	180		○	
CDEFL90D200	200	○	○	
CDEFL90D225	225		○	
CDEFL90D250	250	○	○	
CDEFL90D280	280		○	
CDEFL90D315	315	○	○	
CDEFL90D355	355		○	○
CDEFL90D400	400		○	○
CDEFL90D450	450		○	○
CDEFL90D500	500		○	○
CDEFL90D560	560			○
CDEFL90D630	630			○



E/F EQUAL TEE

Code	Size	SDR9	SDR11	SDR17
CDEFET32	32		○	
CDEFET40	40		○	
CDEFET50	50	○	○	
CDEFET63	63	○	○	
CDEFET75	75	○	○	
CDEFET90	90	○	○	
CDEFET110	110	○	○	
CDEFET125	125	○	○	
CDEFET140	140		○	
CDEFET160	160	○	○	
CDEFET180	180		○	
CDEFET200	200	○	○	
CDEFET225	225		○	
CDEFET250	250	○	○	
CDEFET280	280		○	
CDEFET315	315	○	○	
CDEFET355	355		○	○
CDEFET400	400		○	○
CDEFET450	450			○
CDEFET500	500			○
CDEFET560	560			○
CDEFET630	630			○

HDPE ELECTROFUSION FITTINGS



E/F END CAP

Code	Size	SDR9	SDR11	SDR17
CDEFPE50	50		○	
CDEFPE63	63		○	
CDEFPE75	75		○	
CDEFPE90	90		○	
CDEFPE110	110		○	
CDEFPE160	160		○	
CDEFPE200	200		○	
CDEFPE250	250		○	
CDEFPE315	315		○	



E/F REDUCER

Code	Size	SDR9	SDR11
CDEFRC32*25	32*25		○
CDEFRC40*32	40*32		○
CDEFRC50*32	50*32	○	○
CDEFRC50*40	50*40	○	○
CDEFRC63*32	63*32	○	○
CDEFRC63*40	63*40	○	○
CDEFRC63*50	63*50	○	○
CDEFRC75*50	75*50	○	○
CDEFRC75*63	75*63	○	○
CDEFRC90*50	90*50	○	○
CDEFRC90*63	90*63	○	○

Code	Size	SDR9	SDR11	SDR17
CDEFRC90*75	90*75	○	○	
CDEFRC110*50	110*50	○	○	
CDEFRC110*63	110*63	○	○	
CDEFRC110*75	110*75	○	○	
CDEFRC110*90	110*90	○	○	
CDEFRC125*50	125*50	○	○	
CDEFRC125*63	125*63	○	○	
CDEFRC125*75	125*75	○	○	
CDEFRC125*90	125*90	○	○	
CDEFRC125*110	125*110	○	○	
CDEFRC160*63	160*63	○	○	
CDEFRC160*75	160*75	○	○	
CDEFRC160*90	160*90	○	○	
CDEFRC160*110	160*110	○	○	
CDEFRC160*125	160*125		○	
CDEFRC180*160	180*160		○	
CDEFRC200*63	200*63	○	○	
CDEFRC200*75	200*75	○	○	
CDEFRC200*90	200*90	○	○	
CDEFRC200*110	200*110	○	○	
CDEFRC200*160	200*160	○	○	
CDEFRC225*110	225*110		○	
CDEFRC225*160	225*160		○	
CDEFRC225*200	225*200		○	
CDEFRC250*110	250*110	○	○	
CDEFRC250*160	250*160	○	○	
CDEFRC250*200	250*200	○	○	
CDEFRC315*160	315*160	○	○	
CDEFRC315*200	315*200	○	○	
CDEFRC315*250	315*250	○	○	
CDEFRC355*200	355*200		○	○
CDEFRC355*250	355*250		○	○
CDEFRC355*315	355*315		○	○
CDEFRC400*315	400*315	○	○	
CDEFRC400*355	400*355		○	○
CDEFRC450*315	450*315		○	○
CDEFRC450*400	450*400		○	○
CDEFRC500*315	500*315		○	○
CDEFRC500*400	500*400		○	○



E/F REDUCING TEE

Code	Size	SDR9	SDR11	SDR17
CDEFRT32*20	32*20		○	
CDEFRT32*25	32*25		○	
CDEFRT40*25	40*25		○	
CDEFRT50*25	50*25	○	○	
CDEFRT50*32	50*32	○	○	
CDEFRT50*40	50*40	○	○	
CDEFRT63*25	63*25	○	○	
CDEFRT63*32	63*32	○	○	
CDEFRT63*40	63*40	○	○	
CDEFRT63*50	63*50	○	○	
CDEFRT75*32	75*32	○	○	
CDEFRT75*40	75*40	○	○	
CDEFRT75*50	75*50	○	○	
CDEFRT75*63	75*63	○	○	
CDEFRT90*50	90*50	○	○	
CDEFRT90*63	90*63	○	○	
CDEFRT90*75	90*75	○	○	
CDEFRT110*50	110*50	○	○	
CDEFRT110*63	110*63	○	○	
CDEFRT110*75	110*75	○	○	
CDEFRT110*90	110*90	○	○	
CDEFRT125*50	125*50	○	○	
CDEFRT125*63	125*63	○	○	
CDEFRT125*75	125*75	○	○	
CDEFRT125*90	125*90	○	○	
CDEFRT125*110	125*110	○	○	
CDEFRT140*50	140*50		○	
CDEFRT140*63	140*63		○	
CDEFRT140*75	140*75		○	

Code	Size	SDR9	SDR11	SDR17
CDEFRT140*90	140*90		○	
CDEFRT140*110	140*110		○	
CDEFRT160*50	160*50	○	○	
CDEFRT160*63	160*63	○	○	
CDEFRT160*75	160*75	○	○	
CDEFRT160*90	160*90	○	○	
CDEFRT160*110	160*110	○	○	
CDEFRT160*125	160*125	○	○	
CDEFRT180*160	180*160		○	
CDEFRT200*50	200*50	○	○	
CDEFRT200*63	200*63	○	○	
CDEFRT200*75	200*75	○	○	
CDEFRT200*90	200*90	○	○	
CDEFRT200*110	200*110	○	○	
CDEFRT200*160	200*160	○	○	
CDEFRT225*110	225*110		○	
CDEFRT225*160	225*160		○	
CDEFRT225*200	225*200		○	
CDEFRT250*75	250*75	○	○	
CDEFRT250*90	250*90	○	○	
CDEFRT250*110	250*110	○	○	
CDEFRT250*160	250*160	○	○	
CDEFRT250*200	250*200	○	○	
CDEFRT280*110	280*110		○	
CDEFRT280*160	280*160		○	
CDEFRT280*200	280*200		○	
CDEFRT280*250	280*250		○	
CDEFRT315*90	315*90	○	○	
CDEFRT315*110	315*110	○	○	
CDEFRT315*160	315*160	○	○	
CDEFRT315*200	315*200	○	○	
CDEFRT315*250	315*250	○	○	
CDEFRT355*110	355*110		○	○
CDEFRT355*160	355*160		○	○
CDEFRT355*200	355*200		○	○
CDEFRT355*250	355*250		○	○
CDEFRT355*315	355*315		○	○
CDEFRT400*110	400*110		○	○
CDEFRT400*125	400*125			○

HDPE ELECTROFUSION FITTINGS

Code	Size	SDR9	SDR11	SDR17
CDEFRT400*160	400*160		⊙	⊙
CDEFRT400*200	400*200		⊙	⊙
CDEFRT400*250	400*250		⊙	⊙
CDEFRT400*315	400*315		⊙	⊙
CDEFRT500*110	500*110			⊙
CDEFRT500*160	500*160			⊙
CDEFRT500*200	500*200			⊙
CDEFRT500*250	500*250			⊙
CDEFRT500*315	500*315		⊙	⊙
CDEFRT500*400	500*400		⊙	⊙
CDEFRT500*450	500*450			⊙
CDEFRT630*110	630*110			⊙
CDEFRT630*160	630*160			⊙
CDEFRT630*200	630*200			⊙
CDEFRT630*250	630*250			⊙
CDEFRT630*315	630*315			⊙
CDEFRT630*400	630*400			⊙
CDEFRT630*500	630*500			⊙



E/F FLANGE ADAPTOR

Code	Size	SDR9	SDR11	SDR17
CDEFFL50	50	⊙	⊙	
CDEFFL63	63	⊙	⊙	
CDEFFL75	75	⊙	⊙	
CDEFFL90	90	⊙	⊙	
CDEFFL110	110	⊙	⊙	
CDEFFL125	125		⊙	
CDEFFL140	140		⊙	
CDEFFL160	160	⊙	⊙	
CDEFFL200	200	⊙	⊙	
CDEFFL225	225		⊙	
CDEFFL250	250	⊙	⊙	
CDEFFL280	280		⊙	
CDEFFL315	315	⊙	⊙	
CDEFFL355	355		⊙	⊙
CDEFFL400	400		⊙	⊙
CDEFFL450	450			⊙
CDEFFL500	500			⊙
CDEFFL560	560			⊙
CDEFFL630	630			⊙



E/F BRANCH SADDLE

Code	Size	SDR9	SDR11	SDR17
CDEFBSD63*32	63*32		○	
CDEFBSD90*63	90*63		○	
CDEFBSD110*32	110*32		○	
CDEFBSD110*63	110*63		○	
CDEFBSD160*32	160*32		○	
CDEFBSD160*50	160*50		○	
CDEFBSD160*63	160*63		○	
CDEFBSD160*90	160*90		○	
CDEFBSD200*63	200*63		○	
CDEFBSD200*90	200*90		○	
CDEFBSD225*32	225*32		○	
CDEFBSD225*63	225*63		○	
CDEFBSD250*63	250*63		○	
CDEFBSD250*90	250*90		○	
CDEFBSD315*63	315*63		○	
CDEFBSD315*90	315*90		○	
CDEFBSD315*110	315*110		○	
CDEFBSD315*160	315*160		○	



E/F TAPPING SADDLE

Code	Size	SDR9	SDR11	SDR17
CDEFTPSD63*20	63*20		○	
CDEFTPSD63*25	63*25		○	
CDEFTPSD63*32	63*32		○	
CDEFTPSD90*20	90*20		○	
CDEFTPSD90*25	90*25		○	
CDEFTPSD90*32	90*32		○	
CDEFTPSD90*63	90*63		○	
CDEFTPSD110*25	110*25		○	
CDEFTPSD110*32	110*32		○	
CDEFTPSD110*40	110*40		○	
CDEFTPSD110*50	110*50		○	
CDEFTPSD110*63	110*63		○	
CDEFTPSD160*32	160*32		○	
CDEFTPSD160*50	160*50		○	
CDEFTPSD160*63	160*63		○	
CDEFTPSD160*90	160*90		○	
CDEFTPSD200*63	200*63		○	
CDEFTPSD200*90	200*90		○	
CDEFTPSD225*32	225*32		○	
CDEFTPSD225*63	225*63		○	
CDEFTPSD250*63	250*63		○	
CDEFTPSD250*90	250*90		○	
CDEFTPSD315*63	315*63		○	
CDEFTPSD315*90	315*90		○	