

COUPLINGS

1/2" CTS through 30" IPS

Our Couplings and Fittings deliver flexibility and reliability, and meet various standards.

Short Designation MBI/UBI ... OD

Field of Application Connections of PE Pipes 2406/2708
and 3408/4710

Range of Application Gas up to 100 psi
Water up to 200 psi

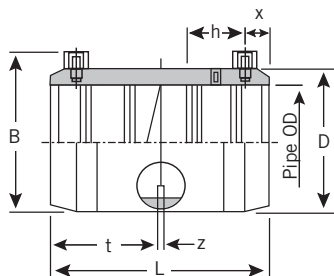


see pg 5 for
specific size
applications

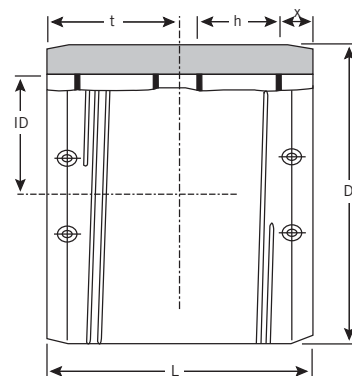


1/2" CTS through 30" IPS

1/2" – 6"



8" – 30"



Nominal Pipe OD CTS	Product SDR	Product Code	ID min	ID max	D	B	L	t	z	h	x	Fusion Time/Sec @ 73°F	Cooling Time/Min */**/**
1/2"	11	128031	0.622	0.634	1.102	1.732	2.283	1.142	0.079	0.591	0.23	27	05/08/10
1"	11	128027	1.122	1.134	1.654	2.244	3.071	1.535	0.079	0.787	0.31	28	05/08/10

Nominal Pipe OD IPS	Product SDR	Product Code	ID min	ID max	D	B	L	t	z	h	x	Fusion Time/Sec @ 73°F	Cooling Time/Min */**/**
3/4"	11	128026	1.047	1.059	1.575	2.165	2.598	1.260	0.079	0.728	0.27	28	05/08/10
1"	11	128024	1.311	1.323	1.850	2.460	3.071	1.496	0.079	0.787	0.31	28	05/08/10
1-1/4"	11	128025	1.654	1.679	2.244	2.835	3.346	1.634	0.079	0.945	0.39	34	10/15/25
1-1/2"	11	128033	1.902	1.917	2.480	3.130	3.858	1.870	0.079	1.060	0.46	34	10/15/25
2"	11	128028	2.374	2.390	3.142	3.657	4.449	2.205	0.079	1.205	0.51	54	10/15/25
3"	11	128029	3.496	3.516	4.606	4.980	5.472	2.717	0.079	1.417	0.59	100	10/30/40
4"	11	128030	4.492	4.516	5.827	6.173	6.260	3.110	0.079	1.689	0.67	151	10/30/40
6"	11	128032	6.610	6.634	8.543	8.740	7.992	3.976	0.079	2.295	0.79	440	20/60/75
8" monofilar	11	128060	8.626	8.665	11.029	–	9.448	4.724	–	2.953	1.063	540	20/60/75
8" bifilar	11	128023	8.626	8.665	11.022	–	9.448	4.724	–	2.953	1.063	554 ea side	20/60/75
10"	11	128061	10.748	10.787	13.975	–	11.811	5.275	–	3.149	1.063	500 ea side	30/75/100
12"	11	128062	12.748	12.787	15.746	–	11.219	5.610	–	2.679	1.142	550 ea side	30/75/100
14"	11	128064	13.976	14.016	17.716	–	11.811	5.905	–	3.500	1.260	580 ea side	30/75/100
16"	11	128063	15.969	16.008	19.685	–	12.598	6.299	–	3.748	1.260	870/730 ea side	45/95/120
18"	11	128065	17.969	18.008	22.047	–	13.386	6.693	–	3.346	1.260	870/870 ea side	45/95/120
20"	11	128176	19.961	20.016	24.803	–	14.173	7.086	–	3.622	1.260	870/720 ea side	45/95/120
22"	17	128066	21.961	22.016	24.803	–	14.566	7.283	–	3.291	1.260	870/720 ea side	45/95/120
24"	13.5	128067	24.000	24.039	27.952	–	15.748	7.874	–	4.095	1.420	870/850 ea side	45/95/120
28"	17	128068	27.992	28.031	31.496	–	15.748	7.874	–	6.062	1.614	850/850 ea side	60/80/120
30"	11	228461	29.980	30.020	37.008	–	19.684	9.842	–	5.376	1.614	1680/1740 ea side	60/90/120

FRIATEC Safety Fittings can be fused to all PE pipes SDR range 11 through 17.6.

* Pipe can be moved after indicated cooling time (handling)

** Pipe can be pressurized after indicated cooling time (pressure <90 psi)

*** Pipe can be pressurized after indicated cooling time (pressure >90 psi)

† FM 200 psi, Short Designation: MBI...OD

▶ NSF approved



Low Pressure Safety Electrofusion Couplings

(formally called Friafit, not for use in gas application)

The low pressure coupling can be fused to pipes of SDR stages 11 – 32 in accordance with ASTM F1055.

Pipes made of raw material types PE2406/2708 and PE3408/4710.

It is possible to work with these couplings at ambient temperatures of between -4°F up to 122°F .

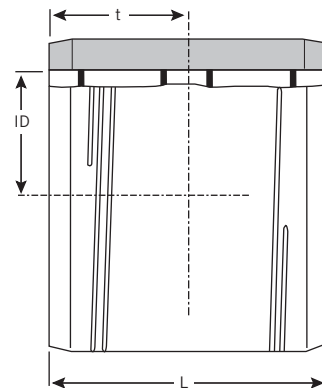
It is always necessary to use a Friafit adapter for the fusion.

The thinwall safety coupling (AM) is made of PE3408/4710 and can be pressurized up to a maximum of 100 psi if the pipe is of suitable design.

With exposed heating coils for optimal heat transfer, large insertion depth, extra wide fusion zones plus cold zones at the end and in the middle to prevent the flow of molten material for use without a holding device.



NOTE: NOT TO BE USED FOR GAS APPLICATIONS.



Size OD IPS	Product Code	Order No.	VE	PE	ID (in)	L (in)	t (in)	Weight lb/ea
8"	128139	190008-A	48	PE - HD	8.626	7.874	3.937	9
10"	128140	190010-A	32	PE - HD	10.748	8.268	4.134	11
12"	128141	190012-A	32	PE - HD	12.748	8.661	4.330	8
16"	128142	190016-A	16	PE - HD	16.008	8.661	4.330	16