



 **ATUSA**

POLYETHYLENE FITTINGS

CATALOGUE 2024

ATUSA Electrofusion Fittings are used for the connection of PE pipes. Gas lines up to 10 bar and Water lines up to 16 bar.

Fields of application: Water and gas distribution, irrigation systems, industrial pressure applications, transport lines, house connections...

TECHNICAL DATA

Material:

The raw material complies with the requirements of EN 1555 and EN 12201 standards. Electrofusion and spigot fittings are made of PE 100-RC.

Raw material technical features:

Parameter	Description	Unit	Test Method
Density	≥930	kg/m ³	ISO 1183
Melt-flow index (MFR)	from 0,2 a 1,4	g/10 min	EN ISO 1133
Oxidation induction time	≥20	min	ISO 11357-1
Colour	BLACK		

Geometrical characteristic:

Measurements of dimensions comply requirements of EN ISO 3126 standard.

All dimensions of fittings comply requirements of EN 1555 and EN 12201 standards.

Resistance to internal pressure:

Gas:

Maximum operating pressure (MOP)
10 bar – for SDR11
10 bar – for SDR17

Water:

PN16 for SDR11
PN10 for SDR17

Fusion:

Fusion of the fitting can be made using:

- 1) Automatic (with barcode reader).
- 2) Manual (entering parameters from the label).

Marking:

Data	Description
Standard number	EN 12201 PN: EN 1555
Nominal diameter of the pipe	P.ej. 110
Material	P.ej. PE 100-RC
SDR of the fitting	SDR 11
SDR fusion range	SDR 11 - SDR 17
Applications	gas/water
Date of manufacture	P.ej. 01/2021

ELECTROFUSION FITTINGS



ASSEMBLY INSTRUCTIONS

SPIGOT FITTINGS



ASSEMBLY INSTRUCTIONS

ELECTROFUSION FITTINGS



COUPLER



Ø	📦		CODE
20	200	1	E2700020
25	200	1	E2700025
32	180	1	E2700032
40	120	1	E2700040
50	90	1	E2700050
63	50	1	E2700063
75	30	1	E2700075
90	20	1	E2700090
110	14	1	E2700110
125	20	1	E2700125
140	14	1	E2700140
160	12	1	E2700160
180	6	1	E2700180
200	6	1	E2710200
200	4	1	E2700200
225	4	1	E2710225
225	2	1	E2700225
250	2	1	E2710250
250	2	1	E2700250
280	2	1	E2710280
280	1	1	E2700280
315	2	1	E2710315
315	1	1	E2700315
355	2	1	E2710355
400	1	1	E2710400
450	1	1	E2710450

SDR 11
SDR 17



REDUCER



Ø	📦		CODE
25/20	180	1	ER002520
32/20	180	1	ER003220
32/25	180	1	ER003225
40/25	120	1	ER004025
40/32	120	1	ER004032
50/25	100	1	ER005025
50/32	100	1	ER005032
50/40	90	1	ER005040
63/25	50	1	ER006325
63/32	50	1	ER006332
63/40	50	1	ER006340
63/50	50	1	ER006350
75/63	30	1	ER007563
90/63	20	1	ER009063
90/75	20	1	ER009075
110/63	12	1	ER011063
110/75	12	1	ER011075
110/90	12	1	ER011090
125/90	20	1	ER012590
125/110	20	1	ER125110
160/90	12	1	ER016090
160/110	12	1	ER160110
160/125	1	1	ER160125*
200/160	4	1	ER200160

* Réduction bout à bout + manchon.



90° ELBOW



Ø	📦		CODE
20	150	1	E0900020
25	150	1	E0900025
32	120	1	E0900032
40	60	1	E0900040
50	40	1	E0900050
63	25	1	E0900063
75	15	1	E0900075
90	12	1	E0900090
110	8	1	E0900110
125	1	1	E0900125
160	1	1	E0900160



45° ELBOW



Ø	📦		CODE
20	150	1	E1200020
25	150	1	E1200025
32	120	1	E1200032
40	60	1	E1200040
50	40	1	E1200050
63	25	1	E1200063
75	15	1	E1200075
90	12	1	E1200090
110	8	1	E1200110
125	1	1	E1200125
160	1	1	E1200160



Ø	📦		CODE
140	1	1	E0900140
200	1	1	E0900200
250	1	1	E0900250
315	1	1	E0900315



Ø	📦		CODE
140	1	1	E1200140
200	1	1	E1200200
250	1	1	E1200250
315	1	1	E1200315

OTHER SIZES - ON REQUEST



TEE



Ø		CODE
20/20	150 1	ET002020
25/25	140 1	ET002525
32/32	100 1	ET003232
40/40	60 1	ET004040
50/50	30 1	ET005050
63/63	20 1	ET006363
75/75	12 1	ET007575
90/90	12 1	ET009090
110/110	6 1	ET110110
125/125	6 1	ET125125
160/160	1 1	ET160160



REDUCING TEE



Ø		CODE
25/20	140 1	ET002520
32/20	100 1	ET003220
32/25	100 1	ET003225
40/25	60 1	ET004025
40/32	60 1	ET004032
50/25	30 1	ET005025
50/32	30 1	ET005032
50/40	30 1	ET005040
63/32	20 1	ET006332
63/40	20 1	ET006340
63/50	20 1	ET006350
75/63	7 1	ET007563
90/63	7 1	ET009063
90/75	8 1	ET009075
110/63	7 1	ET011063
110/75	10 1	ET011075
110/90	10 1	ET011090
160/90	4 1	ET016090
160/110	4 1	ET160110



Ø		CODE
200/200	1	ET200200
250/250	1	ET250250
315/315	1	ET315315



BRANCH SADDLE



Ø		CODE
63/32	30 1	E7016332
63/40	30 1	E7016340
63/50	20 1	E7016350
75/32	25 1	E7017532
75/63	20 1	E7017563
90/32	20 1	E7019032
90/63	15 1	E7019063
110/32	12 1	E7011132
110/63	10 1	E7011163
125/32	12 1	E7011232
125/63	10 1	E7011263
160/32	8 1	E7011632
160/63	8 1	E7011663



CAP



Ø		CODE
20	200 1	E3000020
25	200 1	E3000025
32	150 1	E3000032
40	120 1	E3000040
50	80 1	E3000050
63	50 1	E3000063
75	30 1	E3000075
90	20 1	E3000090
110	14 1	E3000110
125	20 1	E3000125
140	14 1	E3000140
160	12 1	E3000160
200	4 1	E3000200*
225	1 1	E3000225*
250	1 1	E3000250*
280	1 1	E3000280*
315	1 1	E3000315*



Ø		CODE
200/32	20 1	E7012032
200/63	20 1	E7012063
250/25	10 1	E7012525
250/32	10 1	E7012532
250/40	10 1	E7012540
250/50	10 1	E7012550
250/63	10 1	E7012563
315/25	10 1	E7013125
315/32	10 1	E7013132
315/40	10 1	E7013140
315/50	10 1	E7013150
315/63	10 1	E7013163

* Butt Weld cap + EF coupler.

OTHER SIZES - ON REQUEST



REPAIRING CLAMP



Ø		CODE
63	45 1	E700063
90	30 1	E700090
110	20 1	E7000110
125	20 1	E7000125
160	15 1	E7000160
180	15 1	E7000180



TAPPING TEE



Ø		CODE
40/32	20 1	ETC04032
50/32	20 1	ETC05032
63/32	20 1	ETC06332
63/40	15 1	ETC06340
63/50	12 1	ETC06350
75/32	20 1	ETC07532
90/32	20 1	ETC09032
90/40	20 1	ETC09040
90/50	15 1	ETC09050
90/63	15 1	ETC09063
110/32	10 1	ETC11032
110/40	10 1	ETC11040
110/50	10 1	ETC11050
110/63	10 1	ETC11063
125/32	8 1	ETC12532
125/50	8 1	ETC12550
125/63	8 1	ETC12563



Ø		CODE
140/32	6 1	ETC14032
140/63	6 1	ETC14063
160/32	6 1	ETC16032
160/50	6 1	ETC16050
160/63	6 1	ETC16063
200/32	4 1	ETC20032
200/40	4 1	ETC20040
200/63	4 1	ETC20063



PE / BRASS MALE TRANSITION



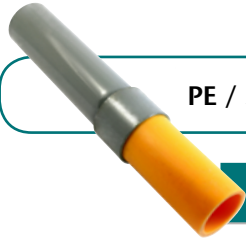
Ø		CODE
20 x 1/2"	220 1	ERM00203
25 x 3/4"	200 1	ERM00254
32 x 1"	140 1	ERM00325
40 x 1 1/4"	100 1	ERM00406
50 x 1 1/2"	70 1	ERM00507
63 x 2"	40 1	ERM00638
75 x 2 1/2"	5 1	ERM0075A
90 x 3"	18 1	ERM0090B
110 x 4"	8 1	ERM0110D
125 x 4"	6 1	ERM0125D




PE / BRASS FEMALE TRANSITION

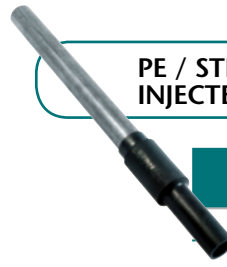


Ø		CODE
20 x 1/2"	60 1	ERH00203
25 x 3/4"	60 1	ERH00254
32 x 1"	200 1	ERH00325
40 x 1 1/4"	100 1	ERH00406
50 x 1 1/2"	84 1	ERH00507
63 x 2"	50 1	ERH00638
75 x 2 1/2"	5 1	ERH0075A
90 x 3"	20 1	ERH0090B
110 x 4"	8 1	ERH0110D
125 x 4"	6 1	ERH0125D




PE / STEEL TRANSITION

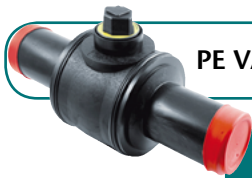
Ø		CODE
25/20	1	ETM02520
32/25	1	ETM03225
40/32	1	ETM04032
50/40	1	ETM05040
63/50	1	ETM06350
75/65	1	ETM07565



PE / STEEL TRANSITION INJECTED




Ø		CODE
25/20	1	ETA25020
32/25	1	ETA32025
63/50	1	ETA63050



PE VALVE



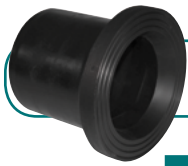
Ø		CODE
25	1	EVAL0025
32	1	EVAL0032
40	1	EVAL0040
50	1	EVAL0050
63	1	EVAL0063
75	1	EVAL0075
90	1	EVAL0090
110	1	EVAL0110
125	1	EVAL0125
160	1	EVAL0160



STEAM EXTENTION


CODE
ELLV6011

Is used for opening and closing our PE valve.
Telescopic regulation
600 -1100 mm.




PE 100 SPIGOT FLANGE ADAPTOR



DN		CODE
25	1	EPB11025
32	1	EPB11032
40	1	EPB11040
50	1	EPB11050
63	1	EPB17063
63	1	EPB11063
75	1	EPB17075
75	1	EPB11075
90	1	EPB17090
90	1	EPB11090
110	1	EPB17110
110	1	EPB11110
125	1	EPB17125
125	1	EPB11125
140	1	EPB11140
160	1	EPB17160
160	1	EPB11160
180	1	EPB17180
180	1	EPB11180
200	1	EPB17200
200	1	EPB11200
225	1	EPB17225
250	1	EPB17250
250	1	EPB11250
280	1	EPB17280
315	1	EPB17315
315	1	EPB11315



90° ELBOW

DN		CODE
32	1	W0900032
40	1	W0900040
50	1	W0900050
63	1	W1790063
63	1	W0900063
75	1	W1790075
75	1	W0900075
90	1	W1790090
90	1	W0900090
110	1	W1790110
110	1	W0900110
125	1	W1790125
125	1	W0900125
140	1	W0900140
160	1	W1790160
160	1	W0900160
180	1	W1790180
180	1	W0900180
200	1	W1790200
200	1	W0900200
225	1	W1790225
225	1	W0900225
250	1	W1790250
250	1	W0900250
280	1	W1790280
280	1	W0900280
315	1	W1790315
315	1	W0900315

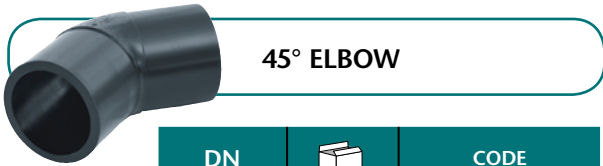
SDR 11



SDR 17



SPIGOT FITTINGS



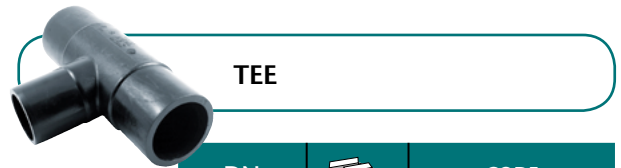
45° ELBOW

DN		CODE
32	1	W1200032
40	1	W1200040
50	1	W1200050
63	1	W1712063
63	1	W1200063
75	1	W1712075
75	1	W1200075
90	1	W1712090
90	1	W1200090
110	1	W1712110
110	1	W1200110
125	1	W1712125
125	1	W1200125
160	1	W1712160
160	1	W1200160
180	1	W1712180
180	1	W1200180
200	1	W1712200
200	1	W1200200
225	1	W1712225
225	1	W1200225
250	1	W1712250
250	1	W1200250
280	1	W1712280
280	1	W1200280
315	1	W1712315
315	1	W1200315

SDR 11



SDR 17



TEE

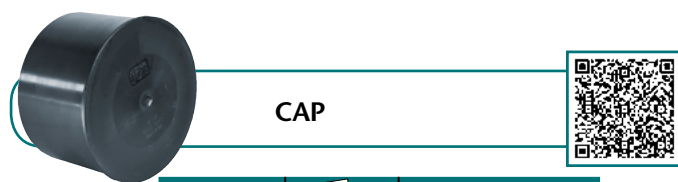
SDR 11



SDR 17



DN		CODE
90/90	1	WT170090
90/90	1	WT090090
110/110	1	WT170110
110/110	1	WT110110
125/125	1	WT170125
125/125	1	WT125125
160/160	1	WT170160
160/160	1	WT160160
200/200	1	WT170200
225/225	1	WT170225
250/250	1	WT170250
315/315	1	WT170315



CAP



DN		CODE
63	1	W3000063
75	1	W3000075
90	1	W3000090
110	1	W3000110
125	1	W3000125
140	1	W3000140
160	1	W3000160



CONCENTRIC REDUCER

DN		CODE
75/63	1	WR075063
90/63	1	WR090063
90/75	1	WR090075
110/63	1	WR011063
110/75	1	WR011075
110/90	1	WR011090
125/90	1	WR012590
125/110	1	WR125110
140/110	1	WR140110
140/125	1	WR140125
160/90	1	WR016090
160/110	1	WR160110
160/125	1	WR160125
160/140	1	WR160140
200/160	1	WR200160
250/160	1	WR250160
250/200	1	WR250200

OTHER SIZES - ON REQUEST

ELECTROFUSION WELDING MACHINES

RANGE 20 - 160 mm.



CODE

EMQ20160

RANGE 20 - 315 mm.



CODE

EMQ20315

RANGE 20 - 500 mm.



CODE

EMQ20500

TECHNICAL FEATURES	EMQ20160	EMQ20315	EMQ20500
Working range	20 - 160 mm.	20 - 315 mm.	20 - 500 mm.
Welding voltage – range	8 ± 48V.	8 ± 48V.	8 ± 48V.
Packaging	Bag	Aluminium case	Aluminium case
Barcode reader	Scanner	Scanner	Scanner
Printer	On request	On request	On request
Power supply	230 V 50/60 Hz.	230 V 50/60 Hz.	230 V 50/60 Hz.
Max. Absorbed power	2.000 W.	4.000 W.	6.400 W.
Amperage	80 A.	100 A.	120 A.
Output connectors	USB, R232	USB, R232	USB, R232
Memory (weldings)	350	500	4.000
Protection	IP 54	IP 54	IP 54
Cable length	3 meters	3 meters	3 meters
Dimensions	200x250x210 mm.	240x220x240 mm.	520x435x230 mm.
Weight	7 Kg.	15 Kg.	18 Kg.

SPIGOT FITTINGS – WELDING MACHINES

RANGE 40 - 160 mm.



CODE

BASIC 160

RANGE 75 - 250 mm.



CODE

BASIC 250

RANGE 90 - 315 mm.



CODE

BASIC 315

TECHNICAL FEATURES	BASIC 160	BASIC 250	BASIC 315
Materials	HDPE, PP, PP-R, PVDF For other materials consult.	HDPE, PP, PP-R, PVDF For other materials consult.	HDPE, PP, PP-R, PVDF For other materials consult.
Supply	230 V Single-phase 50/60 Hz	230 V Single-phase 50/60 Hz	230 V Single-phase 50/60 Hz
Total power absorbed	3000 W	4200 W	5050 W
Working temperature	180° C - 280° C	180° C - 280° C	180° C - 280° C
Ambient temperature of use	-10° C - 40° C	-10° C - 40° C	-10° C - 40° C
Time when the temperature of use is reached.	<20	<20	<20
Memory	4.000 cycles	4.000 cycles	4.000 cycles
Custom settings	50 customizations	50 customizations	50 customizations
Wi-Fi ready	App "SET & GO PRO"	App "SET & GO PRO"	App "SET & GO PRO"
Dimension body aligning (A x L x H)	606 x 365 x 375 mm.	850 x 470 x 400 mm.	981 x 586 x 520 mm.
Dimension electrohydraulic unit (A x L x H)	585 x 384 x 463 mm.	585 x 384 x 463 mm.	585 x 384 x 463 mm.
Body weight aligner	32 kg.	63 kg.	86 kg.
STANDARD Composition weight	88 kg.	132 kg.	174 kg.

ACCESSORIES

AUTOMATIC SCRAPER



DIMENSION	CODE
75 - 180 mm.	ERAAU075
140 - 400 mm.	ERAAU140

PIPE CLAMPS



DIMENSION	CODE
20 - 63 mm.	EALI2063
63 - 225 mm.	EAL63225
125 - 500 mm.	EALDO125
125 - 500 mm.	EALTR125

SCRAPER TURBO



DIMENSION	CODE
32 mm.	ERATU032
40 mm.	ERATU040
50 mm.	ERATU050
63 mm.	ERATU063

SQUEEZE OFF TOOL



DIMENSION	CODE
20 - 90 mm.	EPM02090

HYDRAULIC



DIMENSION	CODE
90 - 225 mm.	EPH90225

Pipe trimming



Pipe scraping



PE PIPE MARKER



CODE
EMARCADO

HAND SCRAPER



DIMENSION	CODE
40 mm.	ERASC037
62 mm.	ERASC062

CLEANING TISSUES (10 units)



CODE
ETISSUE1

WRENCH FOR TATTING TEES



CODE
ELLAVTOM

WELDING LIQUIDS (1 litre)



CODE
ELIFOXIT

PE PIPE CUTTER



DIMENSION	CODE
6 - 76 mm.	ECORT006
50 - 140 mm.	ECORT050
100 - 160 mm.	ECORT100
180 - 315 mm.	ECORT180



ATUSA GRUPO EMPRESARIAL S.A.

Polígono Industrial ATUSA - Agurain
01200 SALVATIERRA - Álava - **ESPAÑA**

Tel. +34 945180000

export@atusagroup.com

www.atusagroup.com