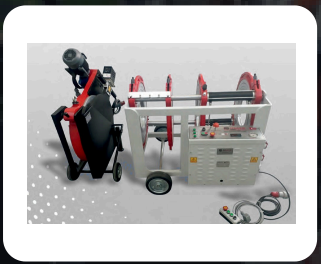
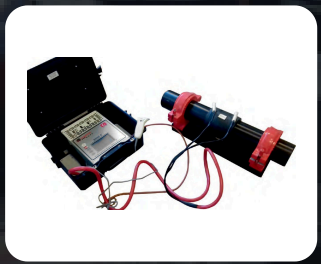
YENİ ELFİ

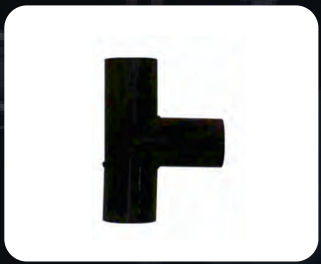
English · 2026

PLASTIC PIPE WELDING TECHNOLOGIES

PRODUCT CATALOGUE

Butt welding, electrofusion and FKS welding machines from Ø20 mm to Ø2000 mm; PE100 electrofusion, injection-moulded and segmented fittings. A complete solution for your infrastructure project, from drinking water to natural gas.



Butt Welding Machines	8	Electrofusion & FKS Machines	2
Electrofusion Fittings	10	Butt Fusion Injection-Moulded Fittings	6
Segmented (Fabricated) Fittings	6	Flanges & Transition Fittings	2
Valves & Fire Hydrants	7	Auxiliary Equipment	2

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YENİ ELFİ MAKİNA SAN. TİC. LTD. ŞTİ.

BUTT WELDING MACHINES

Semi- and full-hydraulic butt welding machines for Ø63 – Ø1200 mm HDPE/PP pipes.



63 × 160 Semi-Hydraulic Butt Welding Machine

A light, practical entry model for site and workshop. Runs on single-phase 230 V.

Size range: Ø63 – Ø160 mm

- Welds 63-75-90-110-125-140-160 mm HDPE/PP pipes
- Pressure is adjusted by a semi-hydraulic system
- Manual heater control, special-alloy plate heater
- Clamps cast from ETİAL 171 aluminium
- Pipe is clamped at four points, so there is no axial misalignment

Diameter range	**Ø63 – Ø160 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**230 V · 1500 W**
Facing unit	**230 V · 0.37 kW**
Power supply	**230 V single-phase**
Working pressure	**110 bar**
Heater control	**Manual**



63 × 160 Full Hydraulic Butt Welding Machine

Full-hydraulic comfort for small diameters: digital heater control and remote handset.

Size range: Ø63 – Ø160 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment
- Clamps cast from ETİAL 171 aluminium

Diameter range	**Ø63 – Ø160 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**230 V · 1500 W**
Facing unit	**230 V · 0.37 kW**
Power supply	**230 V single-phase**
Working pressure	**110 bar**
Heater control	**Digital**



75 × 250 Butt Welding Machine

For the most widely used diameter range in water and gas networks. PVDF compatible.

Size range: Ø75 – Ø250 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment
- Clamps cast from ETİAL 171 aluminium

Diameter range	**Ø75 – Ø250 mm**
Pipe material	**HDPE / PP / PVDF**
Max. wall thickness	**PN32**
Heater	**230 V · 2800 W**
Facing unit	**230 V · 0.55 kW**
Hydraulic motor	**230 V · 0.55 kW**
Power supply	**230 V single-phase**
Working pressure	**110 bar**



90 × 315 Butt Welding Machine

Welds up to Ø315 mm on single-phase power; easy to run on site with a generator.

Size range: Ø90 – Ø315 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment
- Clamps cast from ETİAL 171 aluminium

Diameter range	**Ø90 – Ø315 mm**
Pipe material	**HDPE / PP / PVDF**
Max. wall thickness	**PN32**
Heater	**230 V · 3500 W**
Facing unit	**230 V · 0.75 kW**
Hydraulic motor	**230 V · 0.55 kW**
Power supply	**230 V single-phase**
Working pressure	**130 bar**



180 × 500 Butt Welding Machine

Three-phase, wheeled-chassis machine for medium-to-large diameters on main lines.

Size range: Ø180 – Ø500 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment

Diameter range	**Ø180 – Ø500 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**380 V · 5500 W**
Facing unit	**380 V · 1.5 kW**
Hydraulic motor	**380 V · 0.55 kW**
Power supply	**380 V three-phase**
Working pressure	**130 bar**



315 × 630 Butt Welding Machine

Powerful, well-balanced frame for large-diameter welding on transmission and wastewater lines.

Size range: Ø315 – Ø630 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment

Diameter range	**Ø315 – Ø630 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**380 V · 7500 W**
Facing unit	**380 V · 1.5 kW**
Hydraulic motor	**380 V · 0.75 kW**
Power supply	**380 V three-phase**
Working pressure	**130 bar**



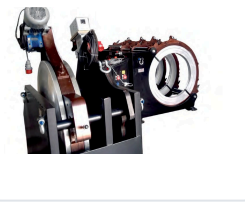
500 × 800 Butt Welding Machine

Safe welding of thick walls with 160 bar working pressure.

Size range: Ø500 – Ø800 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment

Diameter range	**Ø500 – Ø800 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**380 V · 10,000 W**
Facing unit	**380 V · 2.2 kW**
Hydraulic motor	**380 V · 0.75 kW**
Power supply	**380 V three-phase**
Working pressure	**160 bar**



800 × 1200 Butt Welding Machine

The largest in the series: for main transmission and outfall lines up to Ø1200 mm.

Size range: Ø800 – Ø1200 mm

- Pressure is adjusted hydraulically; system control is semi-automatic
- Digital heater control, quick-change special-alloy plate heater
- Digital voltmeter on the panel instantly shows supply fluctuations (low / high voltage)
- Additional portable remote handset with 5 m cable
- Facing and emergency stop buttons mounted on the panel
- Pipe is clamped at four points, so there is no axial misalignment

Diameter range	**Ø800 – Ø1200 mm**
Pipe material	**HDPE / PP**
Max. wall thickness	**PN32**
Heater	**380 V · 15,000 W**
Facing unit	**380 V · 3 kW**
Hydraulic motor	**380 V · 2.2 kW**
Power supply	**380 V three-phase**
Working pressure	**160 bar**

ELECTROFUSION & FKS MACHINES

Ø20 – Ø1200 mm electrofusion and Ø400 – Ø2000 mm FKS/corrugated pipe welding machines.



8000 F Electrofusion Welding Machine

For all electrofusion fittings from Ø20 to Ø1200 mm, IP54 protected.

Size range: Ø20 – Ø1200 mm

- Compatible with PE / PP / PP-R electrofusion fittings
- 8 – 48 V welding voltage range
- Ambient temperature sensor with ±1 °C accuracy
- IP54 protection class, built for site conditions
- Ø4 mm and Ø4.7 mm terminals

Working range	**Ø20 – Ø1200 mm**
Weldable material	**PE / PP / PP-R**
Power supply	**230 V ± 15% · 50–60 Hz**
Max. power	**4500 W**
Rated current	**16 A**
Rated welding current	**100 A**
Max. current	**120 A**
Welding voltage	**8 – 48 V**
Operating temperature	**–20 °C ... +40 °C**
Protection class	**IP54**
Terminal / adaptor	**Ø4 mm / Ø4.7 mm**
Weight	**Max. 23.5 kg**



FKS & Corrugated Pipe Welding Machine

For joining FKS and corrugated pipes with embedded resistance wire by electrofusion.

Size range: Ø400 – Ø2000 mm

- Two models: Ø400 – Ø1200 mm (10 kW) and Ø400 – Ø2000 mm (12 kW)
- Stepped welding voltage: level 3 = 46 V, level 5 = 50 V
- Welding time 20–25 min for 1–3 mm wire, 25–35 min for 2–4 mm
- Welding values are entered into the machine manually
- Supplied with carrying case and connection cables

Diameter range	**Ø400 – Ø1200 mm / Ø400 – Ø2000 mm**
Power supply	**220 V · 50 Hz**
Power / generator	**10 kW / 12 kW**
Extension cable	**Max. 10 m**

> Welding time must be set according to the pipe manufacturer's recommendation. Values determined indoors at the factory may differ on site.

ELECTROFUSION FITTINGS

SDR11 PE100 couplers, tapping tees, saddles, elbows, end caps and reducers.



EF Coupler

Straight electrofusion joint between two PE pipes of the same diameter.

Size range: Ø20 – Ø1000 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Tapping Tee

Service / branch connection from a pressurised main. Types A, B, C, D.

Size range: Ø40 – Ø355 main

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Valve Tapping Tee

Tapping tee with integrated valve; the branch can be shut off without a separate valve.

Size range: Ø63 – Ø280 main

Material	**PE100**	SDR	**SDR11**
Water	**16 bar**		

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Saddle

Electrofusion saddle for branch outlets on the main. Types A, B, C, D.

Size range: Ø40 – Ø450 main

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Repair Saddle

Local repair of damaged pipe without cutting the line.

Size range: Ø63 – Ø450 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Equal Tee

Three-way electrofusion connection of equal diameter.

Size range: Ø25 – Ø315 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Reducer

Electrofusion transition between two pipes of different diameters.

Size range: Ø32×20 – Ø125×110 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Elbow 90°

Electrofusion elbow for a 90° change of direction.

Size range: Ø20 – Ø125 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF Elbow 45°

Electrofusion elbow for a 45° change of direction.

Size range: Ø25 – Ø125 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



EF End Cap

Leak-tight electrofusion closure of line ends.

Size range: Ø20 – Ø280 mm

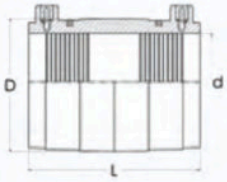
Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.

EF MANŞON / EF COUPLER

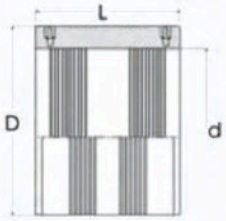
SDR11 PE100
GAS/GAZ : 10 BAR
WATER / SU : 16 BAR

A





B



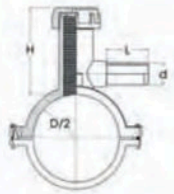


d	CODE	Kg.	D (mm)	L (mm)	box sizes	nos/box	tip/type
20	30.MA1.00.11.0020	0,03	33	60	30*40*15	125	A
25	30.MA1.00.11.0025	0,04	41	71	30*40*15	100	A
32	30.MA1.00.11.0032	0,08	48	82	30*40*15	60	A
40	30.MA1.00.11.0040	0,09	55	86	30*40*15	40	A
50	30.MA1.00.11.0050	0,15	67	98	30*40*15	20	A
63	30.MA1.00.11.0063	0,18	80	107	30*40*30	30	A
75	30.MA1.00.11.0075	0,32	97	118	30*40*30	24	A
90	30.MA1.00.11.0090	0,65	119	148	60*40*30	25	A
110	30.MA1.00.11.0110	0,94	140	170	60*40*45	22	A
125	30.MA1.00.11.0125	1,20	160	170	60*40*45	16	A
140	30.MA1.00.11.0140	1,60	180	170	60*40*45	12	A
160	30.MA1.00.11.0160	2,00	200	188	60*40*45	12	A
180	30.MA1.00.11.0180	2,30	222	185	60*40*45	8	B
200	30.MA1.00.11.0200	3,50	247	200	60*40*30	4	B
225	30.MA1.00.11.0225	3,90	277	200	60*40*30	4	B
250	30.MA1.00.11.0250	5,30	310	210	60*40*45	2	B
280	30.MA1.00.11.0280	6,70	345	220	60*40*45	2	B
315	30.MA1.00.11.0315	9,10	390	230	60*40*45	2	B
355	30.MA1.00.11.0355	13,00	440	255	60*40*45	1	B
400*	30.MA1.00.11.0400	19,00	495	300	60*60*33	1	B
450*	30.MA1.00.11.0450	25,00	554	320	60*60*33	1	B
500*	30.MA1.00.11.0500	35,00	615	365	**		B
560*	30.MA1.00.11.0560	48,50	690	400	**		B
630*	30.MA1.00.11.0630	63,80	775	420	**		B
710*	30.MA1.00.11.0710	90,00	880	445	**		B
800*	30.MA1.00.11.0800	122,70	995	470	**		B
900*	30.MA1.00.11.0900	150,00	1100	500	**		B
1000*	30.MA1.00.11.1000	191,30	1230	500	**		B

* Manşonun her iki tarafı ayrı kaynak olmaktadır (2 ends of coupler fused separately)

** No box is used. Only Euro pallets are being used.

EF SERVİS TE / EF TAPPING TEE



SDR11 PE100
GAS / GAZ : 10 BAR
WATER / SU: 16 BAR

A



B



C



D



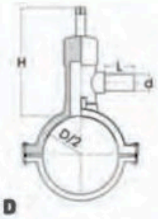
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40*32	30.SE1.00.11.4032	0,31	105	47	40*30*30	25	A
50*20	30.SE1.00.11.5020	0,56	105	52	40*30*30	15	A
50*25	30.SE1.00.11.5025	0,58	105	54	40*30*30	15	A
50*32	30.SE1.00.11.5032	0,59	105	85	40*30*30	15	A
50*40	30.SE1.00.11.5040	0,59	105	90	40*30*30	15	A
63*20	30.SE1.00.11.6320	0,56	105	52	40*30*30	15	A
63*25	30.SE1.00.11.6325	0,58	105	54	40*30*30	15	A
63*32	30.SE1.00.11.6332	0,59	105	85	40*30*30	15	A
63*40	30.SE1.00.11.6340	0,59	105	90	40*30*30	15	A
63*50	30.SE1.00.11.6350	1,10	200	105	40*30*30	8	B
63*63	30.SE1.00.11.6363	1,20	200	105	40*30*30	8	B
75*20	30.SE1.00.11.7520	0,56	105	52	40*30*30	15	A
75*25	30.SE1.00.11.7525	0,58	105	54	40*30*30	15	A
75*32	30.SE1.00.11.7532	0,59	105	85	40*30*30	15	A
75*40	30.SE1.00.11.7540	0,59	105	90	40*30*30	15	A
75*50	30.SE1.00.11.7550	1,10	200	105	40*30*30	8	B
75*63	30.SE1.00.11.7563	1,20	200	105	40*30*30	8	B
90*20	30.SE1.00.11.9020	0,98	135	47	60*40*30	12	A
90*25	30.SE1.00.11.9025	0,99	135	52	60*40*30	12	A
90*32	30.SE1.00.11.9032	1,00	135	64	60*40*30	12	A
90*40	30.SE1.00.11.9040	1,01	135	89	60*40*30	12	A
90*50	30.SE1.00.11.9050	1,45	180	100	60*40*30	10	A
90*63	30.SE1.00.11.9063	1,49	180	110	60*40*30	10	A
110*20	30.SE1.00.11.1120	1,03	135	48	60*40*30	10	A
110*25	30.SE1.00.11.1125	1,04	135	55	60*40*30	10	A
110*32	30.SE1.00.11.1132	1,07	135	68	60*40*30	10	A
110*40	30.SE1.00.11.1140	1,08	135	70	60*40*30	10	A
110*50	30.SE1.00.11.1150	1,50	180	75	60*40*30	8	A

EF TAPPING TEE - DIMENSION TABLE

125*20	30.SE1.00.11.1220	1,03	135	48	60*40*30	10	A	
125*25	30.SE1.00.11.1225	1,04	135	55	60*40*30	10	A	
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140*25	30.SE1.00.11.1425	1,29	135	48	60*40*30	10	C	
140*32	30.SE1.00.11.1432	1,28	135	83	60*40*30	10	C	
140*40	30.SE1.00.11.1440	1,31	135	89	60*40*30	10	C	
140*50	30.SE1.00.11.1450	1,74	180	103	60*40*30	8	C	
140*63	30.SE1.00.11.1463	1,82	180	110	60*40*30	8	C	
160*20	30.SE1.00.11.1620	1,32	135	51	60*40*30	10	C	
160*25	30.SE1.00.11.1625	1,29	135	48	60*40*30	10	C	
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225*20	30.SE1.00.11.2220	1,32	135	51	60*40*30	10	D	
225*25	30.SE1.00.11.2225	1,22	135	48	60*40*30	10	D	
225*32	30.SE1.00.11.2232	1,20	135	83	60*40*30	10	D	
225*40	30.SE1.00.11.2240	1,20	135	89	60*40*30	10	D	
225*50	30.SE1.00.11.2250	1,62	180	86	60*40*30	8	D	
225*63	30.SE1.00.11.2263	1,72	180	113	60*40*30	8	D	
250*20	30.SE1.00.11.2520	1,32	198	70	60*40*30	12	D	
250*25	30.SE1.00.11.2525	1,32	198	80	60*40*30	12	D	
250*32	30.SE1.00.11.2532	1,30	198	85	60*40*30	12	D	
250*40	30.SE1.00.11.2540	1,38	198	95	60*40*30	12	D	
250*50	30.SE1.00.11.2550	1,40	198	105	60*40*30	10	D	
250*63	30.SE1.00.11.2563	1,44	198	115	60*40*30	10	D	
280*20	30.SE1.00.11.2820	1,32	198	70	60*40*30	12	D	
280*25	30.SE1.00.11.2825	1,32	198	80	60*40*30	12	D	
280*32	30.SE1.00.11.2832	1,30	198	85	60*40*30	12	D	
280*40	30.SE1.00.11.2840	1,38	198	95	60*40*30	12	D	
280*50	30.SE1.00.11.2850	1,40	198	105	60*40*30	10	D	
280*63	30.SE1.00.11.2863	1,44	198	115	60*40*30	10	D	
315*20	30.SE1.00.11.3120	1,32	205	70	60*40*30	12	D	
315*25	30.SE1.00.11.3125	1,32	205	80	60*40*30	12	D	
315*32	30.SE1.00.11.3132	1,30	205	85	60*40*30	12	D	
315*40	30.SE1.00.11.3140	1,38	205	95	60*40*30	12	D	
315*50	30.SE1.00.11.3150	1,40	205	105	60*40*30	10	D	
315*63	30.SE1.00.11.3163	1,44	205	115	60*40*30	10	D	
355*20	30.SE1.00.11.3520	1,32	205	70	60*40*30	12	D	*
355*25	30.SE1.00.11.3525	1,32	205	80	60*40*30	12	D	*
355*32	30.SE1.00.11.3532	1,30	205	85	60*40*30	12	D	*
355*40	30.SE1.00.11.3540	1,38	205	95	60*40*30	12	D	*
355*50	30.SE1.00.11.3550	1,40	205	105	60*40*30	10	D	*
355*63	30.SE1.00.11.3563	1,44	205	115	60*40*30	10	D	*
(*) Only for SDR 17 pipes								

EF VANALI SERVİS TE / EF VALVE TAPPING TEE

SDR11 PE100
WATER / SU: 16 BAR



A



B



C



D



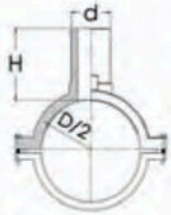
D*d	CODE	Kg.	H (mm)	L (mm)	box sizes	nos/box	type/tip
63*20	30.VS1.00.11.6320	0,85	160	50	40*30*30	15	A
63*25	30.VS1.00.11.6325	0,85	160	50	40*30*30	15	A
63*32	30.VS1.00.11.6332	0,87	160	75	40*30*30	15	A
63*40	30.VS1.00.11.6340	0,88	160	75	40*30*30	15	A
63*50	30.VS1.00.11.6350	2,10	270	93	40*30*30	10	B
63*63	30.VS1.00.11.6363	2,15	270	93	40*30*30	10	B
75*20	30.VS1.00.11.7520	0,85	160	58	40*30*30	15	A
75*25	30.VS1.00.11.7525	0,85	160	58	40*30*30	15	A
75*32	30.VS1.00.11.7532	0,87	160	58	40*30*30	15	A
75*40	30.VS1.00.11.7540	0,88	160	58	40*30*30	15	A
75*50	30.VS1.00.11.7550	2,10	270	93	40*30*30	10	B
75*63	30.VS1.00.11.7563	2,15	270	93	40*30*30	10	B
90*20	30.VS1.00.11.9020	1,72	215	40	60*40*30	10	A
90*25	30.VS1.00.11.9025	1,73	215	50	60*40*30	10	A
90*32	30.VS1.00.11.9032	1,74	215	75	60*40*30	10	A
90*40	30.VS1.00.11.9040	1,75	215	82	60*40*30	10	A
90*50	30.VS1.00.11.9050	2,68	250	85	60*40*30	8	A
90*63	30.VS1.00.11.9063	2,69	250	85	60*40*30	8	A
110*20	30.VS1.00.11.1120	1,77	215	40	60*40*30	10	A
110*25	30.VS1.00.11.1125	1,78	215	57	60*40*30	10	A
110*32	30.VS1.00.11.1132	1,79	215	71	60*40*30	10	A
110*40	30.VS1.00.11.1140	1,81	215	72	60*40*30	10	A
110*50	30.VS1.00.11.1150	2,70	250	75	60*40*30	6	A
110*63	30.VS1.00.11.1163	2,73	250	75	60*40*30	6	A
125*20	30.VS1.00.11.1220	1,77	215	71	60*40*30	10	A
125*25	30.VS1.00.11.1225	1,78	215	72	60*40*30	10	A
125*32	30.VS1.00.11.1232	1,79	215	71	60*40*30	10	A
125*40	30.VS1.00.11.1240	1,81	215	72	60*40*30	10	

EF VALVE TAPPING TEE – DIMENSION TABLE

D*d	CODE	Kg.	H (mm)	L (mm)	box sizes	nos/box	type/tip
125*50	30.VS1.00.11.1250	2,70	250	77	60*40*30	6	A
125*63	30.VS1.00.11.1263	2,73	250	65	60*40*30	6	A
140*20	30.VS1.00.11.1420	1,96	215	71	60*40*30	10	C
140*25	30.VS1.00.11.1425	1,97	215	72	60*40*30	10	C
140*32	30.VS1.00.11.1432	1,98	215	71	60*40*30	10	C
140*40	30.VS1.00.11.1440	1,99	215	72	60*40*30	10	C
140*50	30.VS1.00.11.1450	2,88	250	75	60*40*30	6	C
140*63	30.VS1.00.11.1463	2,90	250	75	60*40*30	6	C
160*20	30.VS1.00.11.1620	1,99	215	40	60*40*30	8	C
160*25	30.VS1.00.11.1625	2,00	215	50	60*40*30	8	C
160*32	30.VS1.00.11.1632	2,01	215	67	60*40*30	8	C
160*40	30.VS1.00.11.1640	2,02	215	67	60*40*30	8	C
160*50	30.VS1.00.11.1650	2,92	250	75	60*40*30	6	C
160*63	30.VS1.00.11.1663	2,94	250	75	60*40*30	6	C
180*20	30.VS1.00.11.1820	1,99	215	40	60*40*30	8	C
180*25	30.VS1.00.11.1825	2,00	215	50	60*40*30	8	C
180*32	30.VS1.00.11.1832	2,01	215	74	60*40*30	8	C
180*40	30.VS1.00.11.1840	2,02	215	74	60*40*30	8	C
180*50	30.VS1.00.11.1850	2,92	250	74	60*40*30	6	C
180*63	30.VS1. 00. 11.1863	2,94	250	74	60*40*30	6	C
200*20	30.VS1. 00. 11.2020	1,92	215	40	60*40*30	8	D
200*25	30.VS1. 00. 11.2025	1,93	215	50	60*40*30	8	D
200*32	30.VS1. 00. 11.2032	1,95	215	75	60*40*30	8	D
200*40	30.VS1. 00. 11.2040	1,97	215	75	60*40*30	8	D
200*50	30.VS1. 00. 11.2050	2,85	250	75	60*40*30	6	D
200*63	30.VS1. 00. 11.2063	2,86	250	75	60*40*30	6	D
225*20	30.VS1. 00. 11.2220	1,93	215	40	60*40*30	8	D
225*25	30.VS1. 00. 11.2225	1,93	215	50	60*40*30	8	D
225*32	30.VS1. 00. 11.2232	1,94	215	75	60*40*30	8	D
225*40	30.VS1. 00. 11.2240	1,95	215	75	60*40*30	8	D
225*50	30.VS1. 00. 11.2250	2,85	250	75	60*40*30	6	D
225*63	30.VS1. 00. 11.2263	2,87	250	75	60*40*30	6	D
250*20	30.VS1. 00. 11.2520	2,48	255	40	60*40*30	8	D
250*25	30.VS1. 00. 11.2525	2,49	255	50	60*40*30	8	D
250*32	30.VS1. 00. 11.2532	2,50	255	75	60*40*30	8	D
250*40	30.VS1. 00. 11.2540	2,51	255	75	60*40*30	8	D
250*50	30.VS1. 00. 11.2550	2,54	255	75	60*40*30	6	D
250*63	30.VS1. 00. 11.2563	2,55	255	75	60*40*30	6	D
280*20	30.VS1. 00. 11.2820	2,48	255	40	60*40*30	8	D
280*25	30.VS1. 00. 11.2825	2,49	255	50	60*40*30	8	D
280*32	30.VS1. 00. 11.2832	2,50	255	75	60*40*30	8	D
280*40	30.VS1. 00. 11.2840	2,51	255	75	60*40*30	8	D
280*50	30.VS1. 00. 11.2850	2,54	255	75	60*40*30	6	D
280*63	30.VS1. 00. 11.2863	2,55	255	75	60*40*30	6	D

EF SEMER / EF SADDLE

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR



A B C



D*d	CODE	Kg.	H (mm)	box sizes	nos/box	tip/type
40*20	30.SA1.00.11.4020	0,18	75	40*30*30	35	A
40*25	30.SA1.00.11.4025	0,19	75	40*30*30	35	A
40*32	30.SA1.00.11.4032	0,20	75	40*30*30	35	A
50*20	30.SA1.00.11.5020	0,34	77	40*30*30	24	A
50*25	30.SA1.00.11.5025	0,35	77	40*30*30	24	A
50*32	30.SA1.00.11.5032	0,38	77	40*30*30	24	A
50*40	30.SA1.00.11.5040	0,39	77	40*30*30	24	A
63*20	30.SA1.00.11.6320	0,35	77	40*30*30	24	A
63*25	30.SA1.00.11.6325	0,36	77	40*30*30	24	A
63*32	30.SA1.00.11.6332	0,39	77	40*30*30	24	A
63*40	30.SA1.00.11.6340	0,40	77	40*30*30	24	A
63*50	30.SA1.00.11.6350	0,75	125	40*30*30	15	B
63*63	30.SA1.00.11.6363	0,80	125	40*30*30	15	B
75*20	30.SA1.00.11.7520	0,36	77	40*30*30	24	A
75*25	30.SA1.00.11.7525	0,37	77	40*30*30	24	A
75*32	30.SA1.00.11.7532	0,39	77	40*30*30	24	A
75*40	30.SA1.00.11.7540	0,41	77	40*30*30	24	A
75*50	30.SA1.00.11.7550	0,45	125	40*30*30	15	B
75*63	30.SA1.00.11.7563	0,49	125	40*30*30	15	B
90*20	30.SA1.00.11.9020	0,66	95	60*40*30	18	A
90*25	30.SA1.00.11.9025	0,68	95	60*40*30	18	A
90*32	30.SA1.00.11.9032	0,69	95	60*40*30	18	A
90*40	30.SA1.00.11.9040	0,70	95	60*40*30	18	A
90*50	30.SA1.00.11.9050	0,71	135	60*40*30	18	A
90*63	30.SA1.00.11.9063	0,72	135	60*40*30	18	A
110*20	30.SA1.00.11.1120	0,73	95	60*40*30	18	A
110*25	30.SA1.00.11.1125	0,74	95	60*40*30	18	A
110*32	30.SA1.00.11.1132	0,75	95	60*40*30	18	A
110*40	30.SA1.00.11.1140	0,76	95	60*40*30	18	A
110*50	30.SA1.00.11.1150	0,77	110	60*40*30	18	A
110*63	30.SA1.00.11.1163	0,78	110	60*40*30	18	A

EF SADDLE – DIMENSION TABLE

D*d	CODE	Kg.	H (mm)	box sizes	nos/box	tip/type
125*20	30.SA1.00.11.1220	0,75	95	60*40*30	18	A
125*25	30.SA1.00.11.1225	0,75	95	60*40*30	18	A
125*32	30.SA1.00.11.1232	0,76	95	60*40*30	18	A
125*40	30.SA1.00.11.1240	0,78	95	60*40*30	18	A
125*50	30.SA1.00.11.1250	0,79	110	60*40*30	18	A
125*63	30.SA1.00.11.1263	0,80	110	60*40*30	18	A
140*20	30.SA1.00.11.1420	0,92	95	60*40*30	15	C
140*25	30.SA1.00.11.1425	0,93	95	60*40*30	15	C
140*32	30.SA1.00.11.1432	0,93	95	60*40*30	15	C
140*40	30.SA1.00.11.1440	0,94	95	60*40*30	15	C
140*50	30.SA1.00.11.1450	0,95	110	60*40*30	12	C
140*63	30.SA1.00.11.1463	0,96	110	60*40*30	12	C
160*20	30.SA1.00.11.1620	0,93	95	60*40*30	15	C
160*25	30.SA1.00.11.1625	0,94	95	60*40*30	15	C
160*32	30.SA1.00.11.1632	0,95	95	60*40*30	15	C
160*40	30.SA1.00.11.1640	0,96	95	60*40*30	15	C
160*50	30.SA1.00.11.1650	0,99	110	60*40*30	12	C
160*63	30.SA1.00.11.1663	1,00	110	60*40*30	12	C
180*20	30.SA1.00.11.1820	0,93	95	60*40*30	15	C
180*25	30.SA1.00.11.1825	0,95	95	60*40*30	15	C
180*32	30.SA1.00.11.1832	0,96	95	60*40*30	15	C
180*40	30.SA1.00.11.1840	0,97	95	60*40*30	15	C
180*50	30.SA1.00.11.1850	1,00	110	60*40*30	12	C
180*63	30.SA1.00.11.1863	1,01	110	60*40*30	12	C
200*20	30.SA1.00.11.2020	0,89	95	60*40*30	15	D
200*25	30.SA1.00.11.2025	0,90	95	60*40*30	15	D
200*32	30.SA1.00.11.2032	0,91	95	60*40*30	15	D
200*40	30.SA1.00.11.2040	0,92	95	60*40*30	15	D
200*50	30.SA1.00.11.2050	0,93	110	60*40*30	12	D
200*63	30.SA1.00.11.2063	0,94	110	60*40*30	12	D
225*20	30.SA1.00.11.2220	0,90	95	60*40*30	15	D
225*25	30.SA1.00.11.2225	0,91	95	60*40*30	15	D
225*32	30.SA1.00.11.2232	0,92	95	60*40*30	15	D
225*40	30.SA1.00.11.2240	0,93	95	60*40*30	15	D
225*50	30.SA1.00.11.2250	0,94	110	60*40*30	12	D
225*63	30.SA1.00.11.2263	0,95	110	60*40*30	12	D
250*20	30.SA1.00.11.2520	0,65	100	60*40*30	20	D
250*25	30.SA1.00.11.2525	0,65	100	60*40*30	20	D
250*32	30.SA1.00.11.2532	0,66	130	60*40*30	20	D
250*40	30.SA1.00.11.2540	0,67	110	60*40*30	20	D
250*50	30.SA1.00.11.2550	0,67	130	60*40*30	20	D
250*63	30.SA1.00.11.2563	0,67	125	60*40*30	20	D
280*20	30.SA1.00.11.2820	0,66	100	60*40*30	20	D
280*25	30.SA1.00.11.2825	0,66	100	60*40*30	20	D
280*32	30.SA1.00.11.2832	0,67	130	60*40*30	20	D
280*40	30.SA1.00.11.2840	0,68	110	60*40*30	20	D
280*50	30.SA1.00.11.2850	0,69	130	60*40*30	20	D
280*63	30.SA1.00.11.2863	0,66	125	60*40*30	20	D

EF SADDLE – DIMENSION TABLE

D*d	CODE	Kg.	H (mm)	box sizes	nos/box	tip/type
315*20	30.SA1.00.11.3120	0,67	110	60*40*30	20	D
315*25	30.SA1.00.11.3125	0,68	110	60*40*30	20	D
315*32	30.SA1.00.11.3132	0,69	140	60*40*30	20	D
315*40	30.SA1.00.11.3140	0,70	115	60*40*30	20	D
315*50	30.SA1.00.11.3150	0,70	140	60*40*30	20	D
315*63	30.SA1.00.11.3163	0,70	130	60*40*30	20	D
355*20	30.SA1.00.11.3520	0,76	110	60*40*30	20	D
355*25	30.SA1.00.11.3525	0,77	110	60*40*30	20	D
355*32	30.SA1.00.11.3532	0,78	140	60*40*30	20	D
355*40	30.SA1.00.11.3540	0,76	115	60*40*30	20	D
355*50	30.SA1.00.11.3550	0,77	140	60*40*30	20	D
355*63	30.SA1.00.11.3563	0,78	130	60*40*30	20	D
400*20	30.SA1.00.11.4020	0,43	110	60*40*30	20	D
400*25	30.SA1.00.11.4025	0,44	110	60*40*30	20	D
400*32	30.SA1.00.11.4032	0,45	140	60*40*30	20	D
400*40	30.SA1.00.11.4040	0,46	115	60*40*30	20	D
400*50	30.SA1.00.11.4050	0,52	140	60*40*30	20	D
400*63	30.SA1.00.11.4063	0,52	130	60*40*30	20	D
450*20	30.SA1.00.11.4520	0,43	110	60*40*30	20	D
450*25	30.SA1.00.11.4525	0,44	110	60*40*30	20	D
450*32	30.SA1.00.11.4532	0,45	140	60*40*30	20	D
450*40	30.SA1.00.11.4540	0,46	115	60*40*30	20	D
450*50	30.SA1.00.11.4550	0,52	140	60*40*30	20	D
450*63	30.SA1.00.11.4563	0,52	130	60*40*30	20	D

EF TAMİR SEMERİ / EF REPAIR SADDLE

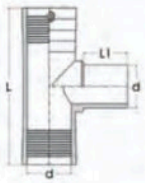
SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR



D	CODE	Kg.	box sizes	nos/box	Type
63	30.TS1.00.11.0063	0,38	40*30*30	30	A
75	30.TS1.00.11.0075	0,39	40*30*30	30	A
90	30.TS1.00.11.0090	0,73	60*40*30	24	A
110	30.TS1.00.11.0110	0,73	60*40*30	24	A
125	30.TS1.00.11.0125	0,73	60*40*30	24	A
140	30.TS1.00.11.0140	0,95	60*40*30	18	B
160	30.TS1.00.11.0160	0,96	60*40*30	18	B
180	30.TS1.00.11.0180	0,97	60*40*30	18	B
200	30.TS1.00.11.0200	0,97	60*40*30	18	B
225	30.TS1.00.11.0225	0,97	60*40*30	18	B
250	30.TS1.00.11.0250	0,64	60*40*30	24	B
280	30.TS1.00.11.0280	0,64	60*40*30	24	B
315	30.TS1.00.11.0315	0,65	60*40*30	24	B
355	30.TS1.00.11.0355	0,65	60*40*30	24	B
400	30.TS1.00.11.0400	0,68	60*40*30	24	B
450	30.TS1.00.11.0450	0,68	60*40*30	24	B

EF EŞİT TE / EF EQUAL TE

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR





d	CODE	Kg.	L (mm)	L1 (mm)	box sizes	nos/box
25	30.ET1.00.11.0025	0,073	108	37	40*30*15	50
32	30.ET1.00.11.0032	0,131	128	41	40*30*15	25
40	30.ET1.00.11.0040	0,168	147	49	40*30*30	35
50	30.ET1.00.11.0050	0,308	162	49	60*40*30	40
63	30.ET1.00.11.0063	0,571	186	61	60*40*30	25
75	30.ET1.00.11.0075	0,870	220	63	60*40*30	13
90	30.ET1.00.11.0090	1,480	255	74	60*40*30	9
110	30.ET1.00.11.0110	2,055	257	79	60*40*30	6
125	30.ET1.00.11.0125	2,660	303	78	60*40*30	4

EF REDÜKSİYON / EF REDUCER

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR





d1*d2	CODE	Kg.	L (mm)	box sizes	nos/box
32*20	30.RE1.00.11.3220	0,049	90	40*30*15	60
32*25	30.RE1.00.11.3225	0,054	90	40*30*15	60
40*32	30.RE1.00.11.4032	0,091	117	40*30*30	70
50*32	30.RE1.00.11.5032	0,151	131	40*30*30	45
50*40	30.RE1.00.11.5040	0,155	130	40*30*30	45
63*32	30.RE1.00.11.6332	0,223	142	40*30*30	40
63*40	30.RE1.00.11.6340	0,246	139	40*30*30	40
63*50	30.RE1.00.11.6350	0,261	152	40*30*30	30
75*63	30.RE1.00.11.7563	0,414	173	60*40*30	35
90*63	30.RE1.00.11.9063	0,588	190	60*40*30	20
110*63	30.RE1.00.11.1163	0,886	209	60*40*45	25
110*90	30.RE1.00.11.1190	1,095	215	60*40*45	24
125*110	30.RE1.00.11.1211	1,500	223	60*40*45	15

EF DİRSEK 90° / EF ELBOW 90°

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR



d	CODE	Kg.	L(mm)	L1 (mm)	box sizes	nos/box
20	30.DD1.00.11.0020	0,08	98	38	30*40*15	60
25	30.DD1.00.11.0025	0,07	98	38	30*40*15	60
32	30.DD1.00.11.0032	0,10	109	41	30*40*30	60
40	30.DD1.00.11.0040	0,18	131	47	30*40*30	35
50	30.DD1.00.11.0050	0,27	155	51	30*40*30	25
63	30.DD1.00.11.0063	0,50	189	48	60*40*30	30
75	30.DD1.00.11.0075	0,74	211	65	60*40*30	15
90	30.DD1.00.11.0090	1,11	242	70	60*40*45	15
110	30.DD1.00.11.0110	1,95	274	76	60*40*45	10
125	30.DD1.00.11.0125	2,86	297	82	60*40*30	

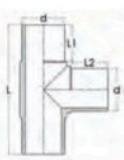
EF DİRSEK 45° / EF ELBOW 45°

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR



d	CODE	Kg.	L(mm)	L1 (mm)	box sizes	nos/box
25	30.DK1.00.11.0025	0,06	106	38	40*30*15	80
32	30.DK1.00.11.0032	0,08	116	41	40*30*30	80
40	30.DK1.00.11.0040	0,13	139	47	40*30*30	55
50	30.DK1.00.11.0050	0,23	166	51	40*30*30	32
63	30.DK1.00.11.0063	0,40	197	58	60*40*30	36
75	30.DK1.00.11.0075	0,58	216	66	60*40*30	20
90	30.DK1.00.11.0090	0,94	242	72	60*40*30	15
110	30.DK1.00.11.0110	1,51	268	76	60*40*45	14
125	30.DK1.00.11.0125	2,59	302	82	60*40*30	4

EF EŞİT TE / EF EQUAL TE



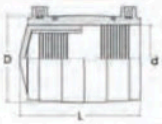


SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR

d	CODE	Kg.	L (mm)	L1 - L2 (mm)	box sizes	nos/box	
40	30.ET0.00.11.0040	0,22	178	58	40*30*30	50	
50	30.ET0.00.11.0050	0,22	188	60	40*30*30	30	
63	30.ET0.00.11.0063	0,39	218	64	40*30*30	18	
75	30.ET0.00.11.0075	1,01	275	76	60*40*30	16	
90	30.ET0.00.11.0090	0,89	275	76	60*40*30	15	
110	30.ET0.00.11.0110	1,80	340	85	60*40*45	12	
125	30.ET0.00.11.0125	2,17	360	90	60*40*30	6	
140	30.ET0.00.11.0140	3,01	396	100	60*40*30	4	
160	30.ET0.00.11.0160	4,99	560	107	60*40*45	3	
180	30.ET0.00.11.0180	7,00	565	127	60*40*45	2	
200	30.ET0.00.11.0200	7,60	500	120	60*40*45	2	
225	30.ET0.00.11.0225	10,00	540	130	60*40*30	1	
250	30.ET0.00.11.0250	14,20	602	140	60*60*33	1	
280	30.ET0.00.11.0280	23,00	630	185	60*60*33	1	*
315	30.ET0.00.11.0315	27,00	670	270	**		*

(*) signed items are produced by EF saddle. All other items are injected molded
(**) No box is used. Only Euro pallets are being used.

EF KEP / EF END CAP





SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR

d	CODE	Kg.	D (mm)	L (mm)	box sizes	nos/box
20	30.EK1.00.11.0020	0,05	33	68	30*40*15	110
25	30.EK1.00.11.0025	0,07	41	82	30*40*15	90
32	30.EK1.00.11.0032	0,09	48	89	30*40*15	60
40	30.EK1.00.11.0040	0,12	55	97	30*40*15	55
50	30.EK1.00.11.0050	0,19	67	110	30*40*15	30
63	30.EK1.00.11.0063	0,30	80	134	30*40*30	30
75	30.EK1.00.11.0075	0,49	97	145	30*40*30	24
90	30.EK1.00.11.0090	0,78	115	163	30*40*30	10
110	30.EK1.00.11.0110	1,29	142	198	60*40*45	20
125	30.EK1.00.11.0125	1,39	159	185	60*40*45	16
140	30.EK1.00.11.0140	2,03	180	192	60*40*45	12
160	30.EK1.00.11.0160	2,72	204	210	60*40*45	10
180	30.EK1.00.11.0180	3,71	232	221	60*40*45	8
200	30.EK1.00.11.0200	4,38	247	224	60*40*45	6
225	30.EK1.00.11.0225	7,00	277	270	60*40*30	2
250	30.EK1.00.11.0250	8,80	310	290	60*40*45	2
280	30.EK1.00.11.0280	12,23	345	300	60*40*45	2

BUTT FUSION INJECTION-MOULDED FITTINGS

Injection-moulded PE100 tees, elbows, reducers, end caps and flange adaptors.



Reduced Tee

Reducing tee for a smaller-diameter branch from the main.

Size range: Ø63×40 – Ø630×315 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



Reducer

Butt-fusion diameter transition fitting in a wide range of sizes.

Size range: Ø32×20 – Ø900×800 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



Elbow 90°

Injection-moulded 90° butt-fusion elbow.

Size range: Ø20 – Ø315 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



Elbow 45°

Injection-moulded 45° butt-fusion elbow.

Size range: Ø20 – Ø315 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



End Cap

Butt-fusion end cap for closing line ends.

Size range: Ø20 – Ø315 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.



Flange Adaptor

For flanged connection of PE lines to valves, pumps and steel equipment.

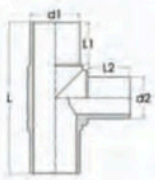
Size range: Ø20 – Ø800 mm

Material	**PE100**	SDR	**SDR11**
Natural Gas	**10 bar**	Water	**16 bar**

Codes, weights and dimensions: see the dimension tables at the end of this section.

İNEGAL TE / REDUCED TEE

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR





d1*d2	CODE	Kg.	L (mm)	L1 (mm)	L2 (mm)	box sizes	nos/box	
63*40	30.IT0.00.11.6340	0,34	220	64	58	40*30*30	16	*
63*50	30.IT0.00.11.6350	0,35	220	64	62	40*30*30	16	*
110*63	30.IT0.00.11.1163	1,45	340	95	65	60*40*45	12	*
110*90	30.IT0.00.11.1190	1,52	340	95	75	60*40*45	12	*
125*90	30.IT0.00.11.1290	1,92	360	95	85	60*40*45	9	*
125*110	30.IT0.00.11.1211	2,07	360	95	90	60*40*45	9	*
140*90	30.IT0.00.11.1490	2,68	400	100	95	60*40*30	4	*
140*110	30.IT0.00.11.1411	2,79	400	100	100	60*40*30	4	*
140*125	30.IT0.00.11.1412	3,20	400	120	90	60*40*30	4	*
160*90	30.IT0.00.11.1690	4,45	560	150	90	60*40*30	2	*
160*110	30.IT0.00.11.1611	4,60	560	150	95	60*40*30	2	*
160*125	30.IT0.00.11.1612	4,65	560	150	95	60*40*30	2	*
160*140	30.IT0.00.11.1614	4,73	440	125	110	60*40*30	2	**
180*90	30.IT0.00.11.1890	6,00	560	145	90	60*40*30	3	*
180*110	30.IT0.00.11.1811	6,00	560	145	80	60*40*30	2	*
180*125	30.IT0.00.11.1812	6,20	560	145	90	60*40*30	2	*
180*140	30.IT0.00.11.1814	5,67	460	135	110	60*40*30	2	**
180*160	30.IT0.00.11.1816	6,24	480	135	140	60*40*30	2	**
200*90	30.IT0.00.11.2090	6,10	500	120	90	60*40*45	3	*
200*110	30.IT0.00.11.2011	6,20	500	120	90	60*40*45	3	*
200*125	30.IT0.00.11.2012	5,78	440	140	90	60*40*30	2	**
200*140	30.IT0.00.11.2014	7,00	470	140	110	60*40*30	2	*
200*160	30.IT0.00.11.2016	7,30	490	140	140	60*40*30	2	**
200*180	30.IT0.00.11.2018	7,40	490	140	140	60*40*30	2	**
225*90	30.IT0.00.11.2290	8,20	540	130	85	60*40*45	2	*
225*110	30.IT0.00.11.2211	8,45	540	130	90	60*40*45	2	*
225*125	30.IT0.00.11.2212	8,60	540	130	95	60*40*45	2	*
225*140	30.IT0.00.11.2214	8,22	490	150	110	60*40*45	2	**
225*160	30.IT0.00.11.2216	8,80	540	130	110	60*40*45	2	*
225*180	30.IT0.00.11.2218	9,00	540	130	115	60*40*45	2	*
250*90	30.IT0.00.11.2590	7,89	450	155	90	60*40*30	1	**
250*110	30.IT0.00.11.2511	8,50	460	155	110	60*40*30	1	**
250*125	30.IT0.00.11.2512	8,98	480	160	90	60*40*30	1	**
250*140	30.IT0.00.11.2514	10,06	510	160	110	60*40*30	1	**
250*160	30.IT0.00.11.2516	10,79	530	160	140	60*40*30	1	**
250*180	30.IT0.00.11.2518	10,89	530	160	150	60*40*45	1	**
250*200	30.IT0.00.11.2520	14,36	560	160	130	60*40*45	1	**
250*225	30.IT0.00.11.2522	14,06	560	160	150	60*40*45	1	**
280*90	30.IT0.00.11.2890	10,14	470	170	90	60*40*30	1	**

(*) : Injected
(**) : Produced by EF saddle
(***) No box is used. Only Euro pallets are being used.

REDUCED TEE – DIMENSION TABLE

280*110	30.IT0.00.11.2811	11,00	490	170	110	60*40*30	1	**
280*125	30.IT0.00.11.2812	11,35	500	170	90	60*40*30	1	**
280*140	30.IT0.00.11.2814	12,56	530	170	110	60*60*33	1	**
280*160	30.IT0.00.11.2816	13,37	550	170	140	60*60*33	1	**
280*180	30.IT0.00.11.2818	13,47	550	170	150	60*60*33	1	**
280*200	30.IT0.00.11.2820	17,18	570	170	130	60*60*33	1	**
280*225	30.IT0.00.11.2822	16,88	570	170	150	60*60*33	1	**
315*90	30.IT0.00.11.3190	13,19	500	175	90	***		**
315*110	30.IT0.00.11.3111	14,16	510	180	110	***		**
315*125	30.IT0.00.11.3112	14,56	520	180	90	***		**
315*140	30.IT0.00.11.3114	15,94	550	180	110	***		**
315*160	30.IT0.00.11.3116	16,85	570	180	140	***		**
315*180	30.IT0.00.11.3118	16,95	570	180	150	***		*
315*200	30.IT0.00.11.3120	18,42	570	180	130	***		**
315*225	30.IT0.00.11.3122	20,69	580	180	150	***		**
315*250	30.IT0.00.11.3125	25,48	630	180	145	***		*
355*90	30.IT0.00.11.3590	17,55	520	192	90	***		**
355*110	30.IT0.00.11.3511	18,65	540	192	110	***		**
355*125	30.IT0.00.11.3512	19,13	550	192	90	***		**
355*140	30.IT0.00.11.3514	20,71	580	192	110	***		**
355*160	30.IT0.00.11.3516	21,76	600	192	140	***		**
355*180	30.IT0.00.11.3518	21,86	600	192	150	***		**
355*200	30.IT0.00.11.3520	24,40	600	192	130	***		**
355*225	30.IT0.00.11.3522	24,00	600	192	150	***		**
355*250	30.IT0.00.11.3525	29,20	650	192	145	***		**
400*90	30.IT0.00.11.4090	23,37	550	205	90	***		**
400*110	30.IT0.00.11.4011	24,65	570	210	110	***		**
400*125	30.IT0.00.11.4012	25,21	580	210	90	***		**
400*140	30.IT0.00.11.4014	27,05	610	210	110	***		**
400*160	30.IT0.00.11.4016	28,28	630	210	140	***		**
400*180	30.IT0.00.11.4018	28,38	630	210	150	***		**
400*200	30.IT0.00.11.4020	31,30	640	210	130	***		**
400*225	30.IT0.00.11.4022	31,00	640	210	150	***		**
400*250	30.IT0.00.11.4025	37,00	700	210	145	***		**
450*90	30.IT0.00.11.4035	30,99	580	220	90	***		**
450*110	30.IT0.00.11.4511	32,49	600	225	110	***		**
450*125	30.IT0.00.11.4512	33,16	610	225	90	***		**
450*140	30.IT0.00.11.4514	35,34	640	225	110	***		**
450*160	30.IT0.00.11.4516	36,78	660	225	140	***		**
450*180	30.IT0.00.11.4518	36,88	660	225	150	***		**
450*200	30.IT0.00.11.4520	39,40	660	225	130	***		**
450*225	30.IT0.00.11.4522	39,00	660	225	150	***		**
450*250	30.IT0.00.11.4525	45,20	710	225	145	***		**

(*) : Injected
(**) : Produced by EF saddle
(***) No box is used. Only Euro pallets are being used.

REDUCED TEE – DIMENSION TABLE

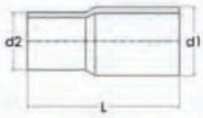
500*90	30.IT0.00.11.5090	40,81	620	240	90	***		**
500*110	30.IT0.00.11.5011	41,91	630	240	110	***		**
500*125	30.IT0.00.11.5012	42,70	640	240	90	***		**
500*140	30.IT0.00.11.5014	45,25	670	240	110	***		**
500*160	30.IT0.00.11.5016	46,95	690	240	140	***		**
500*180	30.IT0.00.11.5018	46,70	690	240	150	***		**
500*200	30.IT0.00.11.5020	50,80	710	240	130	***		**
500*225	30.IT0.00.11.5022	50,50	710	240	150	***		**
500*250	30.IT0.00.11.5025	57,30	760	240	145	***		**
560*90	30.IT0.00.11.5690	54,36	660	260	90	***		**
560*110	30.IT0.00.11.5611	56,44	680	265	110	***		**
560*125	30.IT0.00.11.5612	57,41	690	265	90	***		**
560*140	30.IT0.00.11.5614	60,45	720	265	110	***		**
560*160	30.IT0.00.11.5616	62,48	740	265	140	***		**
560*180	30.IT0.00.11.5618	62,58	740	265	150	***		**
560*200	30.IT0.00.11.5620	66,00	750	265	130	***		**
560*225	30.IT0.00.11.5622	65,60	750	265	150	***		**
560*250	30.IT0.00.11.5625	73,10	800	265	145	***		**
630*90	30.IT0.00.11.6390	72,25	700	280	90	***		**
630*110	30.IT0.00.11.6311	75,07	720	285	110	***		**
630*125	30.IT0.00.11.6312	76,24	730	285	90	***		**
630*140	30.IT0.00.11.6314	79,93	760	285	110	***		**
630*160	30.IT0.00.11.6316	82,38	780	285	140	***		**
630*180	30.IT0.00.11.6318	82,48	780	285	150	***		**
630*200	30.IT0.00.11.6320	85,00	780	285	130	***		**
630*225	30.IT0.00.11.6322	84,70	780	285	150	***		**
630*250	30.IT0.00.11.6325	92,30	820	285	145	***		**

710*(90-110-125-140-160-180-200-225-250) / **800***(90-110-125-140-160-180-200-225-250)
900*(90-110-125-140-160-180-200-225-250) / **1000***(90-110-125-140-160-180-200-225-250)
1200*(90-110-125-140-160-180-200-225-250) / **1400***(90-110-125-140-160-180-200-225-250)
1600*(90-110-125-140-160-180-200-225-250)
ÜRETİMİMİZ BULUNMAKTADIR.(These reduced tees are available.)

(**) : Produced by EF saddle
(***) No box is used. Only Euro pallets are being used.

REDÜKSİYON / REDUCER

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR





d1*d2	CODE	Kg.	L (mm)	box sizes	nos/box
32*20	30.RE0.00.11.3220	0,02	90	40*30*15	125
32*25	30.RE0.00.11.3225	0,03	99	40*30*15	120
40*20	30.RE0.00.11.4020	0,04	108	40*30*15	80
40*25	30.RE0.00.11.4025	0,04	108	40*30*15	80
40*32	30.RE0.00.11.4032	0,04	108	40*30*15	75
50*32	30.RE0.00.11.5032	0,08	130	40*30*30	80
50*40	30.RE0.00.11.0540	0,09	130	40*30*30	80
63*32	30.RE0.00.11.6332	0,12	145	40*30*30	60
63*40	30.RE0.00.11.6332	0,12	145	40*30*30	60
63*50	30.RE0.00.11.6350	0,13	145	40*30*30	50
75*63	30.RE0.00.11.7563	0,24	166	40*30*30	25
90*63	30.RE0.00.11.9063	0,32	180	40*30*30	20
90*75	30.RE0.00.11.9075	0,38	180	60*40*45	60
110*63	30.RE0.00.11.1163	0,49	198	60*40*45	40
110*75	30.RE0.00.11.1175	0,50	183	60*40*45	40
110*90	30.RE0.00.11.1190	0,60	205	60*40*45	30
125*63	30.RE0.00.11.1263	0,66	190	60*40*45	30
125*75	30.RE0.00.11.1275	0,70	200	60*40*45	25
125*90	30.RE0.00.11.1290	0,73	205	60*40*45	25
125*110	30.RE0.00.11.1211	0,79	205	60*40*45	25
140*90	30.RE0.00.11.1490	0,98	225	60*40*45	20
140*110	30.RE0.00.11.1411	1,03	225	60*40*45	20
140*125	30.RE0.00.11.1412	1,14	225	60*40*45	20
160*90	30.RE0.00.11.1690	1,19	230	60*40*45	18
160*110	30.RE0.00.11.1611	1,27	230	60*40*45	15
160*125	30.RE0.00.11.1612	1,38	230	60*40*45	15
160*140	30.RE0.00.11.1614	1,49	235	60*40*45	13
180*90	30.RE0.00.11.1890	1,90	300	60*40*30	6
180*110	30.RE0.00.11.1811	1,95	300	60*40*30	7
180*125	30.RE0.00.11.1812	2,13	300	60*40*30	6
180*140	30.RE0.00.11.1814	2,24	300	60*40*30	6
180*160	30.RE0.00.11.1816	2,47	300	60*40*30	6
200*110	30.RE0.00.11.2011	2,61	320	60*40*45	6
200*125	30.RE0.00.11.2012	2,83	320	60*40*45	6
200*140	30.RE0.00.11.2014	2,88	320	60*40*45	6
200*160	30.RE0.00.11.2016	3,00	320	60*40*45	6
200*180	30.RE0.00.11.2018	3,20	320	60*40*45	6
225*110	30.RE0.00.11.2211	3,02	315	60*40*45	5

REDUCER – DIMENSION TABLE

d1*d2	CODE	Kg.	L (mm)	Box sizes	nos/box
225*125	30.RE0.00.11.2212	3,12	315	60*40*45	6
225*140	30.RE0.00.11.2214	3,04	300	60*40*45	4
225*160	30.RE0.00.11.2216	3,10	315	60*40*45	4
225*180	30.RE0.00.11.2218	3,26	315	60*40*45	4
225*200	30.RE0.00.11.2220	3,62	315	60*40*45	4
250*110	30.RE0.00.11.2511	4,12	335	40*40*45	3
250*125	30.RE0.00.11.2512	4,20	335	60*40*45	3
250*140	30.RE0.00.11.2514	4,23	335	60*40*45	3
250*160	30.RE0.00.11.2516	4,27	315	60*40*45	3
250*180	30.RE0.00.11.2518	4,68	340	60*40*45	3
250*200	30.RE0.00.11.2520	4,84	340	60*40*45	3
250*225	30.RE0.00.11.2522	6,20	365	60*40*45	3
280*125	30.RE0.00.11.2812	5,60	345	60*40*45	2
280*140	30.RE0.00.11.2814	5,60	345	60*40*45	2
280*160	30.RE0.00.11.2816	5,80	345	60*40*45	2
280*180	30.RE0.00.11.2818	5,60	345	60*40*45	2
280*200	30.RE0.00.11.2820	6,80	365	60*40*45	2
280*225	30.RE0.00.11.2822	7,20	365	60*40*45	2
280*250	30.RE0.00.11.2825	8,00	385	60*40*45	2
315*180	30.RE0.00.11.3118	10,20	380	60*40*45	2
315*200	30.RE0.00.11.3120	10,60	380	60*40*45	2
315*225	30.RE0.00.11.3122	10,70	370	60*40*45	2
315*250	30.RE0.00.11.3125	11,60	380	60*40*45	2
315*280	30.RE0.00.11.3128	11,80	380	60*40*45	2
355*180	30.RE0.00.11.3518	13,20	370	60*40*45	1
355*200	30.RE0.00.11.3520	13,70	370	60*40*45	1
355*225	30.RE0.00.11.3522	15,30	370	60*40*45	1
355*250	30.RE0.00.11.3525	17,00	370	60*40*45	1
355*280	30.RE0.00.11.3528	13,00	370	60*40*45	1
355*315	30.RE0.00.11.3531	13,20	380	60*40*45	1
400*250	30.RE0.00.11.4025	20,10	390	60*40*45	1
400*280	30.RE0.00.11.4028	21,00	400	60*40*45	1
400*315	30.RE0.00.11.4031	18,50	400	60*40*45	1
400*355	30.RE0.00.11.4035	19,30	410	60*40*45	1
450*250	30.RE0.00.11.4525	26,00	440	*	
450*280	30.RE0.00.11.4528	26,20	440	*	
450*315	30.RE0.00.11.4531	25,50	440	*	
450*355	30.RE0.00.11.4535	25,60	440	*	
450*400	30.RE0.00.11.4540	27,70	450	*	
500*315	30.RE0.00.11.5031	35,00	460	*	
500*355	30.RE0.00.11.5035	33,90	460	*	
500*400	30.RE0.00.11.5040	32,00	470	*	
500*450	30.RE0.00.11.5045	32,00	470	*	
560*355	30.RE0.00.11.5635	45,00	500	*	
560*400	30.RE0.00.11.5640	43,80	500	*	
560*450	30.RE0.00.11.5645	42,00	500	*	
560*500	30.RE0.00.11.5650	44,00	500	*	
630*500	30.RE0.00.11.6350	56,00	530	*	
630*560	30.RE0.00.11.6356	60,00	540	*	
710*560	30.RE0.00.11.7163	74,00	550	*	
710*630	30.RE0.00.11.7163	78,00	550	*	
800*630	30.RE0.00.11.8063	98,00	570	*	
800*710	30.RE0.00.11.8071	100,00	570	*	
900*710	30.RE0.00.11.9071	154,00	620	*	
900*800	30.RE0.00.11.9080	150,00	620	*	

(*) No box is used. Only Euro pallets are being used.

DİRSEK (90°) / ELBOW (90°)

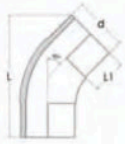




SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR

d	CODE	Kg.	L1 (mm)	L (mm)	box sizes	nos/box
20	30.DD0.00.11.0020	0,02	36	60	30*40*15	200
25	30.DD0.00.11.0025	0,03	43	80	30*40*15	120
32	30.DD0.00.11.0032	0,05	50	90	30*40*15	40
40	30.DD0.00.11.0040	0,08	53	100	30*40*15	40
50	30.DD0.00.11.0050	0,31	57	163	30*40*30	25
63	30.DD0.00.11.0063	0,30	63	167	30*40*30	23
75	30.DD0.00.11.0075	0,66	88	184	60*40*30	24
90	30.DD0.00.11.0090	0,64	90	187	60*40*30	24
110	30.DD0.00.11.0110	1,06	90	225	60*40*30	10
125	30.DD0.00.11.0125	1,44	108	240	60*40*30	8
140	30.DD0.00.11.0140	1,74	100	240	60*40*45	8
160	30.DD0.00.11.0160	2,80	112	288	60*40*45	6
180	30.DD0.00.11.0180	5,00	135	335	60*40*45	4
200	30.DD0.00.11.0200	5,00	121	335	60*40*45	3
225	30.DD0.00.11.0225	7,80	140	370	60*40*30	1
250	30.DD0.00.11.0250	10,70	150	410	60*40*45	1
280	30.DD0.00.11.0280	13,20	150	460	60*40*45	1
315	30.DD0.00.11.0315	24,20	150	485	60*60*33	1

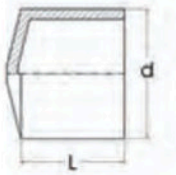
DİRSEK (45°) / ELBOW (45°)





d	CODE	Kg.	L(mm)	L1(mm)	box sizes	nos/box
20	30.DK0.00.11.0020	0,02	80	36	40*30*15	250
25	30.DK0.00.11.0025	0,03	100	43	40*30*15	150
32	30.DK0.00.11.0032	0,04	115	50	40*30*15	65
40	30.DK0.00.11.0040	0,07	130	53	40*30*30	80
50	30.DK0.00.11.0050	0,11	140	57	40*30*30	40
63	30.DK0.00.11.0063	0,19	160	65	40*30*30	30
75	30.DK0.00.11.0075	0,44	210	88	60*40*30	30
90	30.DK0.00.11.0090	0,49	215	90	60*40*30	25
110	30.DK0.00.11.0110	0,88	250	92	60*40*30	15
125	30.DK0.00.11.0125	1,20	285	100	60*40*30	10
140	30.DK0.00.11.0140	2,60	315	115	60*40*45	6
160	30.DK0.00.11.0160	2,47	320	115	60*40*45	6
180	30.DK0.00.11.0180	3,80	360	120	60*40*45	5
200	30.DK0.00.11.0200	4,24	360	120	60*40*45	4
225	30.DK0.00.11.0225	6,50	450	140	60*40*45	2
250	30.DK0.00.11.0250	7,20	450	140	60*40*30	1
280	30.DK0.00.11.0280	17,40	450	140	60*40*30	1
315	30.DK0.00.11.0315	17,20	500	140	60*40*45	1

KEP / END CAP



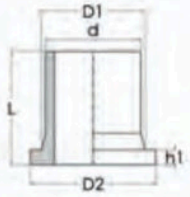


SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR

d	CODE	Kg.	L (mm)	box sizes	nos/box
20	30.KE0.00.11.0020	0,01	29	40*30*15	600
25	30.KE0.00.11.0025	0,01	35	40*30*15	450
32	30.KE0.00.11.0032	0,01	38	40*30*15	200
40	30.KE0.00.11.0040	0,03	47	40*30*15	125
50	30.KE0.00.11.0050	0,04	56	40*30*15	75
63	30.KE0.00.11.0063	0,09	70	40*30*15	46
75	30.KE0.00.11.0075	0,17	77	40*30*30	50
90	30.KE0.00.11.0090	0,22	72	40*30*30	36
110	30.KE0.00.11.0110	0,36	88	60*40*30	35
125	30.KE0.00.11.0125	0,52	87	60*40*30	40
140	30.KE0.00.11.0140	0,72	98	60*40*30	16
160	30.KE0.00.11.0160	0,87	93	60*40*30	14
180	30.KE0.00.11.0180	1,39	116	60*40*30	12
200	30.KE0.00.11.0200	1,70	115	60*40*30	12
225	30.KE0.00.11.0225	2,34	130	60*40*30	7
250	30.KE0.00.11.0250	3,86	140	60*40*30	4
280	30.KE0.00.11.0280	4,63	157	60*40*30	4
315	30.KE0.00.11.0315	5,90	170	60*40*30	2

FLANŞ ADAPTÖRÜ / FLANGE ADAPTOR

SDR11 PE100
GAS / GAZ: 10 BAR
WATER / SU: 16 BAR





d	CODE	Kg.	L (mm)	D1 (mm)	D2 (mm)	h1 (mm)	box sizes	nos/box
20	30.FA0.00.11.0020	0,02	75	25	45	7	30*40*15	90
25	30.FA0.00.11.0025	0,04	85	33	58	9	30*40*15	85
32	30.FA0.00.11.0032	0,05	75	40	66	9	30*40*15	75
40	30.FA0.00.11.0040	0,09	95	50	78	11	30*40*30	70
50	30.FA0.00.11.0050	0,13	98	60	88	12	30*40*30	60
63	30.FA0.00.11.0063	0,20	115	72	102	14	30*40*30	30
75	30.FA0.00.11.0075	0,32	125	86	122	16	30*40*30	20
90	30.FA0.00.11.0090	0,48	130	100	138	16	60*40*30	24
110	30.FA0.00.11.0110	0,74	140	125	158	18	60*40*30	20
125	30.FA0.00.11.0125	0,98	175	125	160	25	60*40*45	20
140	30.FA0.00.11.0140	1,27	165	150	188	26	60*40*45	12
160	30.FA0.00.11.0160	1,85	190	170	210	25	60*40*45	12
180	30.FA0.00.11.0180	2,02	180	180	210	30	60*40*45	12
200	30.FA0.00.11.0200	3,20	200	225	268	32	60*40*45	6
225	30.FA0.00.11.0225	3,44	205	230	268	32	60*40*45	4
250	30.FA0.00.11.0250	5,20	225	280	320	36	60*40*30	2
280	30.FA0.00.11.0280	6,20	250	286	320	36	60*40*30	2
315	30.FA0.00.11.0315	8,40	260	335	370	36	60*40*45	2
355	30.FA0.00.11.0355	10,80	260	370	430	40	60*40*45	2
400	30.FA0.00.11.0400	15,16	280	425	482	46	60*40*45	1
450	30.FA0.00.11.0450	24,60	325	510	560	60	60*60*33	1
500	30.FA0.00.11.0500	33,20	335	525	585	60	*	
560	30.FA0.00.11.0560	46,70	360	610	685	60	*	
630	30.FA0.00.11.0630	55,60	360	640	685	60	*	
710	30.FA0.00.11.0710	66,80	370	730	800	60	*	
800	30.FA0.00.11.0800	74,15	380	840	905	60	*	

(*) No box is used. Only Euro pallets are being used.

SEGMENTED (FABRICATED) FITTINGS

Ø90 – Ø1600 mm segmented elbows, tees, Y-branches and cross tees.



90° Elbow Segmented

Large-diameter 90° elbow fabricated from pipe segments.

Size range: Ø90 – Ø1600 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.



45° Elbow Segmented

Large-diameter 45° elbow fabricated from pipe segments.

Size range: Ø90 – Ø1600 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.



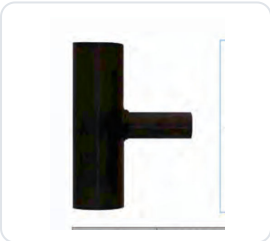
Equal Tee Segmented

Equal three-way connection for large-diameter lines.

Size range: Ø140 – Ø1600 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.



Reduced Tee Segmented

Reduced branch from a large-diameter main.

Size range: Ø110×75 – Ø1000×900 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.



45° Branch Tee Segmented

45° branch that smooths flow in wastewater and stormwater lines.

Size range: Ø110 – Ø630 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.



Cross Tee Segmented

Segmented cross for four-way distribution points.

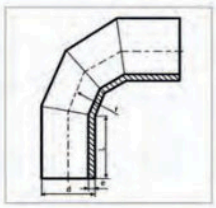
Size range: Ø90 – Ø630 mm

Material	PE100	Pressure class	SDR11 – PN16 / SDR17 – PN10

Codes, weights and dimensions: see the dimension tables at the end of this section.

KONFEKSİYON (90°) DİRSEK / 90 ° ELBOW SEGMENTED



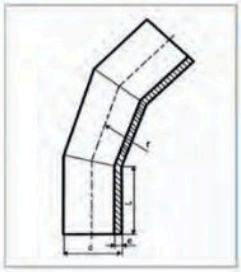


PE 100 SDR 11 - PN 16
PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	r	PN 10/e	PN 16/e
90/90	DİRSEK / ELBOW	120	110	5.4	8.2
110/90	DİRSEK / ELBOW	120	120	6.6	10.0
125/90	DİRSEK / ELBOW	120	130	7.4	11.4
140/90	DİRSEK / ELBOW	120	130	8.3	12.7
160/90	DİRSEK / ELBOW	120	150	9.5	14.6
180/90	DİRSEK / ELBOW	120	150	10.7	16.4
200/90	DİRSEK / ELBOW	150	170	11.9	18.2
225/90	DİRSEK / ELBOW	150	180	13.4	20.5
250/90	DİRSEK / ELBOW	150	230	14.8	22.7
280/90	DİRSEK / ELBOW	170	250	16.6	25.4
315/90	DİRSEK / ELBOW	170	250	18.7	28.6
355/90	DİRSEK / ELBOW	200	280	21.1	32.2
400/90	DİRSEK / ELBOW	200	280	23.7	36.3
450/90	DİRSEK / ELBOW	200	300	26.7	40.9
500/90	DİRSEK / ELBOW	200	300	29.7	45.4
560/90	DİRSEK / ELBOW	200	330	33.2	50.8
630/90	DİRSEK / ELBOW	250	350	37.4	57.2
710/90	DİRSEK / ELBOW	260	450	42.1	64.5
800/90	DİRSEK / ELBOW	260	450	47.4	72.8
900/90	DİRSEK / ELBOW	260	450	53.3	81.8
1000/90	DİRSEK / ELBOW	260	500	59.3	90.9
1200/90	DİRSEK / ELBOW	260	600	70.6	109.1
1600/90	DİRSEK / ELBOW	260	700	70.6	145.5

KONFEKSİYON (45°) DİRSEK / 45 ° ELBOW SEGMENTED



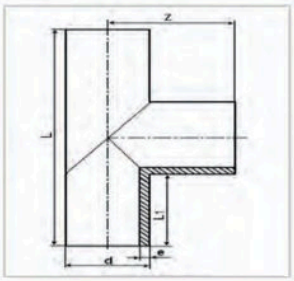


PE 100 SDR 11 - PN 16
PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	r	PN 10/e	PN 16/e
90/45	DİRSEK / ELBOW	120	110	5.4	8.2
110/45	DİRSEK / ELBOW	120	120	6.6	10.0
125/45	DİRSEK / ELBOW	120	130	7.4	11.4
140/45	DİRSEK / ELBOW	120	130	8.3	12.7
160/45	DİRSEK / ELBOW	120	150	9.5	14.6
180/45	DİRSEK / ELBOW	120	150	10.7	16.4
200/45	DİRSEK / ELBOW	150	170	11.9	18.2
225/45	DİRSEK / ELBOW	150	180	13.4	20.5
250/45	DİRSEK / ELBOW	150	230	14.8	22.7
280/45	DİRSEK / ELBOW	150	250	16.6	25.4
315/45	DİRSEK / ELBOW	170	250	18.7	28.6
355/45	DİRSEK / ELBOW	170	280	21.1	32.2
400/45	DİRSEK / ELBOW	170	280	23.7	36.3
450/45	DİRSEK / ELBOW	200	300	26.7	40.9
500/45	DİRSEK / ELBOW	200	300	29.7	45.4
560/45	DİRSEK / ELBOW	200	330	33.2	50.8
630/45	DİRSEK / ELBOW	200	350	37.4	57.2
710/45	DİRSEK / ELBOW	250	450	42.1	64.5
800/45	DİRSEK / ELBOW	250	450	47.4	72.8
900/45	DİRSEK / ELBOW	250	450	53.3	81.8
1000/45	DİRSEK / ELBOW	250	500	59.3	90.9
1200/45	DİRSEK / ELBOW	250	600	70.6	109.1
1600/45	DİRSEK / ELBOW	250	700	70.6	145.5

KONFEKSİYON EŞİT TE / EQUAL TEE SEGMENTED



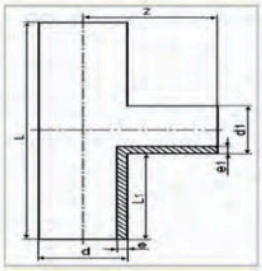


PE 100 SDR 11 - PN 16
PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	L1	z	PN 10/e	PN 16/e
140X140	EŞİT TE / EQUAL TEE	350	150	220	8.3	12.7
160X160	EŞİT TE / EQUAL TEE	360	150	230	9.5	14.6
180X180	EŞİT TE / EQUAL TEE	370	150	240	10.7	16.4
200X200	EŞİT TE / EQUAL TEE	380	150	250	11.9	18.2
225X225	EŞİT TE / EQUAL TEE	380	152.5	265	13.4	20.5
250X250	EŞİT TE / EQUAL TEE	550	200	325	14.8	22.7
280X280	EŞİT TE / EQUAL TEE	580	200	340	16.6	25.4
315X315	EŞİT TE / EQUAL TEE	615	200	357.5	18.7	28.6
355X355	EŞİT TE / EQUAL TEE	650	200	377.5	21.1	32.2
400X400	EŞİT TE / EQUAL TEE	700	200	400	23.7	36.3
450X450	EŞİT TE / EQUAL TEE	750	200	425	26.7	40.9
500X500	EŞİT TE / EQUAL TEE	800	215	465	29.7	45.4
560X560	EŞİT TE / EQUAL TEE	1030	235	515	33.2	50.8
630X630	EŞİT TE / EQUAL TEE	1140	255	570	37.4	57.2
710X710	EŞİT TE / EQUAL TEE	1230	260	615	42.1	64.5
800X800	EŞİT TE / EQUAL TEE	1320	260	660	47.4	72.8
900X900	EŞİT TE / EQUAL TEE	1420	260	710	53.3	81.8
1000X1000	EŞİT TE / EQUAL TEE	1520	260	760	59.3	90.9
1200X1200	EŞİT TE / EQUAL TEE	1780	290	890	70.6	109.1
1400X1400	EŞİT TE / EQUAL TEE	1980	290	990	82.4	127.3
1600X1600	EŞİT TE / EQUAL TEE	2180	290	1090	94.1	145.5

KONFEKSİYON İNEGAL TE / REDUCED TEE SEGMENTED





PE 100 SDR 11 - PN 16
PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	L1	Z	PN 10/e	PN 10/e1	PN 16/e	PN 16/e1
110X75	İNEGAL TE / REDUCED TEE	400	160	195	6.6	4.5	10.0	6.8
110X90	İNEGAL TE / REDUCED TEE	400	170	205	6.6	5.4	10.0	8.2
125X63	İNEGAL TE / REDUCED TEE	450	160	202.5	7.4	3.8	11.4	5.8
125X75	İNEGAL TE / REDUCED TEE	450	160	202.5	7.4	4.5	11.4	6.8
125X90	İNEGAL TE / REDUCED TEE	450	170	212.5	7.4	5.4	11.4	8.2
125X110	İNEGAL TE / REDUCED TEE	450	170	212.5	7.4	6.6	11.4	10.0
140X50	İNEGAL TE / REDUCED TEE	450	140	190	8.3	3.0	12.7	4.6
140X63	İNEGAL TE / REDUCED TEE	450	160	210	8.3	3.8	12.7	5.8
140X75	İNEGAL TE / REDUCED TEE	450	160	210	8.3	4.5	12.7	6.8
140X90	İNEGAL TE / REDUCED TEE	450	170	220	8.3	5.4	12.7	8.2
140X110	İNEGAL TE / REDUCED TEE	450	170	220	8.3	6.6	12.7	10.0
140X125	İNEGAL TE / REDUCED TEE	450	180	240	8.3	7.4	12.7	11.4
160X50	İNEGAL TE / REDUCED TEE	450	140	200	9.5	3.0	14.6	4.6
160X63	İNEGAL TE / REDUCED TEE	450	160	220	9.5	3.8	14.6	5.8
160X75	İNEGAL TE / REDUCED TEE	450	160	220	9.5	4.5	14.6	6.8
160X90	İNEGAL TE / REDUCED TEE	450	170	230	9.5	5.4	14.6	8.2
160X110	İNEGAL TE / REDUCED TEE	450	170	230	9.5	6.6	14.6	10.0
160X125	İNEGAL TE / REDUCED TEE	485	180	250	9.5	7.4	14.6	11.4
160X140	İNEGAL TE / REDUCED TEE	485	180	250	9.5	8.3	14.6	12.7
180X50	İNEGAL TE / REDUCED TEE	400	160	195	6.6	4.5	10.0	6.8
180X63	İNEGAL TE / REDUCED TEE	400	170	205	6.6	5.4	10.0	8.2
180X75	İNEGAL TE / REDUCED TEE	450	160	202.5	7.4	3.8	11.4	5.8
180X90	İNEGAL TE / REDUCED TEE	450	160	202.5	7.4	4.5	11.4	6.8
180X110	İNEGAL TE / REDUCED TEE	450	170	212.5	7.4	5.4	11.4	8.2
180X125	İNEGAL TE / REDUCED TEE	450	170	212.5	7.4	6.6	11.4	10.0
180X140	İNEGAL TE / REDUCED TEE	450	140	190	8.3	3.0	12.7	4.6
180X160	İNEGAL TE / REDUCED TEE	450	160	210	8.3	3.8	12.7	5.8
200X63	İNEGAL TE / REDUCED TEE	450	160	210	8.3	4.5	12.7	6.8
200X75	İNEGAL TE / REDUCED TEE	450	170	220	8.3	5.4	12.7	8.2
200X90	İNEGAL TE / REDUCED TEE	450	170	220	8.3	6.6	12.7	10.0
200X110	İNEGAL TE / REDUCED TEE	450	180	240	8.3	7.4	12.7	11.4
200X125	İNEGAL TE / REDUCED TEE	450	140	200	9.5	3.0	14.6	4.6
200X140	İNEGAL TE / REDUCED TEE	450	160	220	9.5	3.8	14.6	5.8
200X160	İNEGAL TE / REDUCED TEE	450	160	220	9.5	4.5	14.6	6.8
200X180	İNEGAL TE / REDUCED TEE	450	170	230	9.5	5.4	14.6	8.2

REDUCED TEE SEGMENTED - DIMENSION TABLE

d	MALZEME ADI	L	L1	Z	PN 10/e	PN 10/e1	PN 16/e	PN 16/e1
225X63	İNEGAL TE / REDUCED TEE	450	170	230	9.5	6.6	14.6	10.0
225X75	İNEGAL TE / REDUCED TEE	485	180	250	9.5	7.4	14.6	11.4
225X90	İNEGAL TE / REDUCED TEE	485	180	250	9.5	8.3	14.6	12.7
225X110	İNEGAL TE / REDUCED TEE	450	170	262.5	13.4	6.6	20.5	10
225X125	İNEGAL TE / REDUCED TEE	485	180	282.5	13.4	7.4	20.5	11.4
225X140	İNEGAL TE / REDUCED TEE	500	180	282.5	13.4	8.3	20.5	12.7
225X160	İNEGAL TE / REDUCED TEE	500	195	292.5	13.4	9.5	20.5	14.6
225X180	İNEGAL TE / REDUCED TEE	550	185	292.5	13.4	10.7	20.5	16.4
225X200	İNEGAL TE / REDUCED TEE	600	200	312.5	13.4	11.9	20.5	18.2
250X63	İNEGAL TE / REDUCED TEE	450	160	265	14.8	3.8	22.7	5.8
250X75	İNEGAL TE / REDUCED TEE	450	160	265	14.8	4.5	22.7	6.8
250X90	İNEGAL TE / REDUCED TEE	450	170	275	14.8	5.4	22.7	8.2
250X110	İNEGAL TE / REDUCED TEE	450	170	275	14.8	6.6	22.7	10.0
250X125	İNEGAL TE / REDUCED TEE	485	180	295	14.8	7.4	22.7	11.4
250X140	İNEGAL TE / REDUCED TEE	500	180	295	14.8	8.3	22.7	12.7
250X160	İNEGAL TE / REDUCED TEE	550	195	305	14.8	9.5	22.7	14.6
250X180	İNEGAL TE / REDUCED TEE	550	185	305	14.8	10.7	22.7	16.4
250X200	İNEGAL TE / REDUCED TEE	600	200	305	14.8	11.9	22.7	18.2
250X225	İNEGAL TE / REDUCED TEE	625	200	295	14.8	13.4	22.7	20.5
280X63	İNEGAL TE / REDUCED TEE	450	160	280	16.6	3.8	25.4	5.8
280X75	İNEGAL TE / REDUCED TEE	450	160	280	16.6	4.5	25.4	6.8
280X90	İNEGAL TE / REDUCED TEE	450	170	290	16.6	5.4	25.4	8.2
280X110	İNEGAL TE / REDUCED TEE	450	170	290	16.6	6.6	25.4	10.0
280X125	İNEGAL TE / REDUCED TEE	485	180	310	16.6	7.4	25.4	11.4
280X140	İNEGAL TE / REDUCED TEE	500	180	310	16.6	8.3	25.4	12.7
280X160	İNEGAL TE / REDUCED TEE	550	195	310	16.6	9.5	25.4	14.6
280X180	İNEGAL TE / REDUCED TEE	550	185	310	16.6	10.7	25.4	16.4
280X200	İNEGAL TE / REDUCED TEE	600	200	310	16.6	11.9	25.4	18.2
280X225	İNEGAL TE / REDUCED TEE	625	200	310	16.6	13.4	25.4	20.5
280X250	İNEGAL TE / REDUCED TEE	625	200	310	16.6	14.8	25.4	22.7
315X90	İNEGAL TE / REDUCED TEE	450	170	307.5	18.7	5.4	28.6	8.2
315X110	İNEGAL TE / REDUCED TEE	450	170	307.5	18.7	6.6	28.6	10.0
315X125	İNEGAL TE / REDUCED TEE	485	180	327.5	18.7	7.4	28.6	11.4
315X140	İNEGAL TE / REDUCED TEE	500	180	327.5	18.7	8.3	28.6	12.7
315X160	İNEGAL TE / REDUCED TEE	520	180	327.5	18.7	9.5	28.6	14.6
315X180	İNEGAL TE / REDUCED TEE	550	185	327.5	18.7	10.7	28.6	16.4
315X200	İNEGAL TE / REDUCED TEE	600	200	327.5	18.7	11.9	28.6	18.2
315X225	İNEGAL TE / REDUCED TEE	625	200	327.5	18.7	13.4	28.6	20.5
315X250	İNEGAL TE / REDUCED TEE	650	200	327.5	18.7	14.8	28.6	22.7
315X280	İNEGAL TE / REDUCED TEE	680	200	377.5	18.7	16.6	28.6	25.4
355X110	İNEGAL TE / REDUCED TEE	450	170	327.5	21.2	6.6	32.2	10.0
355X125	İNEGAL TE / REDUCED TEE	485	180	347.5	21.2	7.4	32.2	11.4
355X140	İNEGAL TE / REDUCED TEE	500	180	347.5	21.2	8.3	32.2	12.7
355X160	İNEGAL TE / REDUCED TEE	550	195	347.5	21.2	9.5	32.2	14.6
355X180	İNEGAL TE / REDUCED TEE	550	185	347.5	21.2	10.7	32.2	16.4
355X200	İNEGAL TE / REDUCED TEE	600	200	347.5	21.2	11.9	32.2	18.2
355X225	İNEGAL TE / REDUCED TEE	625	200	347.5	21.2	13.4	32.2	20.5
355X250	İNEGAL TE / REDUCED TEE	650	200	347.5	21.2	14.8	32.2	22.7
355X280	İNEGAL TE / REDUCED TEE	680	200	347.5	21.2	16.6	32.2	25.4
355X315	İNEGAL TE / REDUCED TEE	715	200	427.5	21.2	18.7	32.2	28.6
400X110	İNEGAL TE / REDUCED TEE	450	170	350	23.7	6.6	36.3	10.0
400X125	İNEGAL TE / REDUCED TEE	485	180	370	23.7	7.4	36.3	11.4
400X140	İNEGAL TE / REDUCED TEE	500	180	370	23.7	8.3	36.3	12.7

REDUCED TEE SEGMENTED - DIMENSION TABLE

d	MALZEME ADI	L	L1	Z	PN 10/e	PN 10/e1	PN 16/e	PN 16/e1
400X160	İNEGAL TE / REDUCED TEE	550	195	370	23.7	9.5	36.3	14.6
400X180	İNEGAL TE / REDUCED TEE	550	185	370	23.7	10.7	36.3	16.4
400X200	İNEGAL TE / REDUCED TEE	600	200	370	23.7	11.9	36.3	18.2
400X225	İNEGAL TE / REDUCED TEE	625	200	370	23.7	13.4	36.3	20.5
400X250	İNEGAL TE / REDUCED TEE	650	200	370	23.7	14.8	36.3	22.7
400X280	İNEGAL TE / REDUCED TEE	680	200	370	23.7	16.6	36.3	25.4
400X315	İNEGAL TE / REDUCED TEE	715	200	400	23.7	18.7	36.3	28.6
400X355	İNEGAL TE / REDUCED TEE	755	200	400	23.7	21.1	36.3	32.2
450X110	İNEGAL TE / REDUCED TEE	450	170	375	26.7	6.6	40.9	10.0
450X125	İNEGAL TE / REDUCED TEE	485	180	395	26.7	7.4	40.9	11.4
450X140	İNEGAL TE / REDUCED TEE	500	180	395	26.7	8.3	40.9	12.7
450X160	İNEGAL TE / REDUCED TEE	550	195	395	26.7	9.5	40.9	14.6
450X180	İNEGAL TE / REDUCED TEE	550	185	395	26.7	10.7	40.9	16.4
450X200	İNEGAL TE / REDUCED TEE	600	200	395	26.7	11.9	40.9	18.2
450X225	İNEGAL TE / REDUCED TEE	625	200	395	26.7	13.4	40.9	20.5
450X250	İNEGAL TE / REDUCED TEE	650	200	395	26.7	14.8	40.9	22.7
450X280	İNEGAL TE / REDUCED TEE	680	200	395	26.7	16.6	40.9	25.4
450X315	İNEGAL TE / REDUCED TEE	715	200	400	26.7	18.7	40.9	28.6
450X355	İNEGAL TE / REDUCED TEE	755	200	400	26.7	21.1	40.9	32.2
450X400	İNEGAL TE / REDUCED TEE	800	200	400	26.7	23.7	40.9	36.3
500X110	İNEGAL TE / REDUCED TEE	450	170	400	29.7	6.6	45.4	10.0
500X125	İNEGAL TE / REDUCED TEE	495	185	420	29.7	7.4	45.4	11.4
500X140	İNEGAL TE / REDUCED TEE	500	180	420	29.7	8.3	45.4	12.7
500X160	İNEGAL TE / REDUCED TEE	550	195	420	29.7	9.5	45.4	14.6
500X180	İNEGAL TE / REDUCED TEE	550	185	420	29.7	10.7	45.4	16.4
500X200	İNEGAL TE / REDUCED TEE	600	200	420	29.7	11.9	45.4	18.2
500X225	İNEGAL TE / REDUCED TEE	625	200	420	29.7	13.4	45.4	20.5
500X250	İNEGAL TE / REDUCED TEE	650	200	420	29.7	14.8	45.4	22.7
500X280	İNEGAL TE / REDUCED TEE	680	200	420	29.7	16.6	45.4	25.4
500X315	İNEGAL TE / REDUCED TEE	715	200	420	29.7	18.7	45.4	28.6
500X355	İNEGAL TE / REDUCED TEE	755	200	420	29.7	21.1	45.4	32.2
500X400	İNEGAL TE / REDUCED TEE	800	200	420	29.7	23.7	45.4	36.3
500X450	İNEGAL TE / REDUCED TEE	850	200	420	29.7	26.7	45.4	40.9
560X110	İNEGAL TE / REDUCED TEE	450	170	430	32.2	6.6	50.8	10.0
560X125	İNEGAL TE / REDUCED TEE	495	185	450	33.2	7.4	50.8	11.4
560X140	İNEGAL TE / REDUCED TEE	500	180	450	33.2	8.3	50.8	12.7
560X160	İNEGAL TE / REDUCED TEE	550	195	450	33.2	9.5	50.8	14.6
560X180	İNEGAL TE / REDUCED TEE	550	185	450	33.2	10.7	50.8	16.4
560X200	İNEGAL TE / REDUCED TEE	600	200	450	33.2	11.9	50.8	18.2
560X225	İNEGAL TE / REDUCED TEE	625	200	450	33.2	13.4	50.8	20.5
560X250	İNEGAL TE / REDUCED TEE	650	200	450	33.2	14.8	50.8	22.7
560X280	İNEGAL TE / REDUCED TEE	680	200	450	33.2	16.6	50.8	25.4
560X315	İNEGAL TE / REDUCED TEE	715	200	450	33.2	18.7	50.8	28.6
560X355	İNEGAL TE / REDUCED TEE	755	200	450	33.2	21.1	50.8	32.2
560X400	İNEGAL TE / REDUCED TEE	800	200	450	33.2	23.7	50.8	36.3
560X450	İNEGAL TE / REDUCED TEE	850	200	450	33.2	26.7	50.8	40.9
560X500	İNEGAL TE / REDUCED TEE	900	200	460	33.2	29.7	50.8	45.4
630X110	İNEGAL TE / REDUCED TEE	450	170	485	37.4	6.6	57.2	10.0
630X125	İNEGAL TE / REDUCED TEE	495	185	485	37.4	7.4	57.2	11.4
630X140	İNEGAL TE / REDUCED TEE	500	180	485	37.4	8.3	57.2	12.7
630X160	İNEGAL TE / REDUCED TEE	550	195	485	37.4	9.5	57.2	14.6
630X180	İNEGAL TE / REDUCED TEE	550	185	485	37.4	10.7	57.2	16.4
630X200	İNEGAL TE / REDUCED TEE	600	200	485	37.4	11.9	57.2	18.2

REDUCED TEE SEGMENTED - DIMENSION TABLE

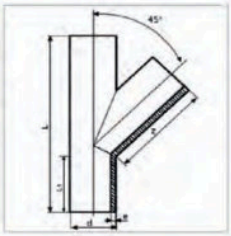
d	MALZEME ADI	L	L1	Z	PN 10/e	PN 10/e1	PN 16/e	PN 16/e1
630X225	İNEGAL TE / REDUCED TEE	625	200	485	37.4	13.4	57.2	20.5
630X250	İNEGAL TE / REDUCED TEE	650	200	485	37.4	14.8	57.2	22.7
630X280	İNEGAL TE / REDUCED TEE	680	200	485	37.4	16.6	57.2	25.4
630X315	İNEGAL TE / REDUCED TEE	715	200	485	37.4	18.7	57.2	28.6
630X355	İNEGAL TE / REDUCED TEE	755	200	485	37.4	21.1	57.2	32.2
630X400	İNEGAL TE / REDUCED TEE	800	200	485	37.4	23.7	57.2	36.3
630X450	İNEGAL TE / REDUCED TEE	850	200	485	37.4	26.7	57.2	40.9
630X500	İNEGAL TE / REDUCED TEE	900	200	495	37.4	29.7	57.2	45.4
630X560	İNEGAL TE / REDUCED TEE	960	200	495	37.4	33.2	57.2	50.8
710X63	İNEGAL TE / REDUCED TEE	503	220	505	42.1	3.8	64.5	5.8
710X75	İNEGAL TE / REDUCED TEE	515	220	505	42.1	4.5	64.5	6.8
710X90	İNEGAL TE / REDUCED TEE	530	220	505	42.1	5.4	64.5	8.2
710X110	İNEGAL TE / REDUCED TEE	550	220	505	42.1	6.6	64.5	10.0
710X125	İNEGAL TE / REDUCED TEE	565	220	505	42.1	7.4	64.5	11.4
710X140	İNEGAL TE / REDUCED TEE	580	220	505	42.1	8.3	64.5	12.7
710X160	İNEGAL TE / REDUCED TEE	600	220	505	42.1	9.5	64.5	14.6
710X180	İNEGAL TE / REDUCED TEE	620	220	505	42.1	10.7	64.5	16.4
710X200	İNEGAL TE / REDUCED TEE	640	220	505	42.1	11.9	64.5	18.2
710X225	İNEGAL TE / REDUCED TEE	665	220	505	42.1	13.4	64.5	20.5
710X250	İNEGAL TE / REDUCED TEE	690	220	515	42.1	14.8	64.5	22.7
710X280	İNEGAL TE / REDUCED TEE	720	220	515	42.1	16.6	64.5	25.4
710X315	İNEGAL TE / REDUCED TEE	755	220	515	42.1	18.7	64.5	28.6
710X355	İNEGAL TE / REDUCED TEE	795	220	525	42.1	21.1	64.5	32.2
710X400	İNEGAL TE / REDUCED TEE	840	220	525	42.1	23.7	64.5	36.3
710X450	İNEGAL TE / REDUCED TEE	890	220	535	42.1	26.7	64.5	40.9
710X500	İNEGAL TE / REDUCED TEE	940	220	535	42.1	29.7	64.5	45.4
710X560	İNEGAL TE / REDUCED TEE	1000	220	355	42.1	33.2	64.5	50.8
710X630	İNEGAL TE / REDUCED TEE	1070	220	555	42.1	37.4	64.5	57.2
800X90	İNEGAL TE / REDUCED TEE	550	230	550	47.4	5.4	72.8	8.2
800X110	İNEGAL TE / REDUCED TEE	570	230	550	47.4	6.6	72.8	10.0
800X125	İNEGAL TE / REDUCED TEE	585	230	550	47.4	7.4	72.8	11.4
800X140	İNEGAL TE / REDUCED TEE	600	230	550	47.4	8.3	72.8	12.7
800X160	İNEGAL TE / REDUCED TEE	620	230	550	47.4	9.5	72.8	14.6
800X180	İNEGAL TE / REDUCED TEE	640	230	550	47.4	10.7	72.8	16.4
800X200	İNEGAL TE / REDUCED TEE	660	230	550	47.4	11.9	72.8	18.2
800X225	İNEGAL TE / REDUCED TEE	685	230	550	47.4	13.4	72.8	20.5
800X250	İNEGAL TE / REDUCED TEE	710	230	560	47.4	14.8	72.8	22.7
800X280	İNEGAL TE / REDUCED TEE	740	230	560	47.4	16.6	72.8	25.4
800X315	İNEGAL TE / REDUCED TEE	775	230	560	47.4	18.7	72.8	28.6
800X355	İNEGAL TE / REDUCED TEE	715	230	570	47.4	21.1	72.8	32.2
800X400	İNEGAL TE / REDUCED TEE	860	230	570	47.4	23.7	72.8	36.3
800X450	İNEGAL TE / REDUCED TEE	910	230	580	47.4	26.7	72.8	40.9
800X500	İNEGAL TE / REDUCED TEE	960	230	590	47.4	29.7	72.8	45.4
800X560	İNEGAL TE / REDUCED TEE	1020	230	600	47.4	33.2	72.8	50.8
800X630	İNEGAL TE / REDUCED TEE	1090	230	620	47.4	37.4	72.8	57.2
800X710	İNEGAL TE / REDUCED TEE	1170	230	600	47.4	42.1	72.8	64.5
900X110	İNEGAL TE / REDUCED TEE	610	250	600	53.3	6.6	81.8	10.0
900X125	İNEGAL TE / REDUCED TEE	625	250	600	53.3	7.4	81.8	11.4
900X140	İNEGAL TE / REDUCED TEE	640	250	600	53.3	8.3	81.8	12.7
900X160	İNEGAL TE / REDUCED TEE	660	250	600	53.3	9.5	81.8	14.6
900X180	İNEGAL TE / REDUCED TEE	680	250	600	53.3	10.7	81.8	16.4
900X200	İNEGAL TE / REDUCED TEE	700	250	600	53.3	11.9	81.8	18.2
900X225	İNEGAL TE / REDUCED TEE	725	250	600	53.3	13.4	81.8	20.5

REDUCED TEE SEGMENTED - DIMENSION TABLE

d	MALZEME ADI	L	L1	Z	PN 10/e	PN 10/e1	PN 16/e	PN 16/e1
900X250	İNEGAL TE / REDUCED TEE	750	250	610	53.3	14.8	81.8	22.7
900X280	İNEGAL TE / REDUCED TEE	780	250	610	53.3	16.6	81.8	25.4
900X315	İNEGAL TE / REDUCED TEE	815	250	610	53.3	18.7	81.8	28.6
900X355	İNEGAL TE / REDUCED TEE	855	250	620	53.3	21.1	81.8	32.2
900X400	İNEGAL TE / REDUCED TEE	900	250	620	53.3	23.7	81.8	36.3
900X450	İNEGAL TE / REDUCED TEE	9550	250	630	53.3	26.7	81.8	40.9
900X500	İNEGAL TE / REDUCED TEE	1000	250	630	53.3	29.7	81.8	45.4
900X560	İNEGAL TE / REDUCED TEE	1060	250	640	53.3	33.2	81.8	50.8
900X630	İNEGAL TE / REDUCED TEE	1130	250	650	53.3	37.4	81.8	57.2
900X710	İNEGAL TE / REDUCED TEE	1210	250	670	53.3	42.1	81.8	64.5
900X800	İNEGAL TE / REDUCED TEE	1300	250	680	53.3	47.4	81.8	72.8
1000X110	İNEGAL TE / REDUCED TEE	610	250	650	59.3	6.6	90.9	10.0
1000X125	İNEGAL TE / REDUCED TEE	625	250	650	59.3	7.4	90.9	11.4
1000X140	İNEGAL TE / REDUCED TEE	640	250	650	59.3	8.3	90.9	12.7
1000X160	İNEGAL TE / REDUCED TEE	660	250	650	59.3	9.5	90.9	14.6
1000X180	İNEGAL TE / REDUCED TEE	680	250	650	59.3	10.7	90.9	16.4
1000X200	İNEGAL TE / REDUCED TEE	700	250	650	59.3	11.9	90.9	18.2
1000X225	İNEGAL TE / REDUCED TEE	725	250	650	59.3	13.4	90.9	20.5
1000X250	İNEGAL TE / REDUCED TEE	750	250	660	59.3	14.8	90.9	22.7
1000X280	İNEGAL TE / REDUCED TEE	780	250	660	59.3	16.6	90.9	25.4
1000X315	İNEGAL TE / REDUCED TEE	815	250	660	59.3	18.7	90.9	28.6
1000X355	İNEGAL TE / REDUCED TEE	855	250	670	59.3	21.1	90.9	32.2
1000X400	İNEGAL TE / REDUCED TEE	900	250	670	59.3	23.7	90.9	36.3
1000X450	İNEGAL TE / REDUCED TEE	950	250	680	59.3	26.7	90.9	40.9
1000X500	İNEGAL TE / REDUCED TEE	1000	250	680	59.3	29.7	90.9	45.4
1000X560	İNEGAL TE / REDUCED TEE	1060	250	690	59.3	33.2	90.9	50.8
1000X630	İNEGAL TE / REDUCED TEE	1130	250	700	59.3	37.4	90.9	57.2
1000X710	İNEGAL TE / REDUCED TEE	1210	250	720	59.3	42.1	90.9	64.5
1000X800	İNEGAL TE / REDUCED TEE	1300	250	730	59.3	47.4	90.9	72.8
1000X900	İNEGAL TE / REDUCED TEE	1400	250	750	59.3	53.3	90.9	81.8

KONFEKSİYON Y TİPİ ÇATAL / 45° BRANCH TEE SEGMENTED





PE 100 SDR 11 - PN 16

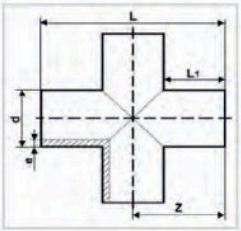
d	MALZEME ADI	L	Z	L1	e
110X110	Y TİPİ ÇATAL / BRANCH TEE	325	160	120	10.0
125X125	Y TİPİ ÇATAL / BRANCH TEE	370	180	120	11.4
140X140	Y TİPİ ÇATAL / BRANCH TEE	390	210	125	12.7
160X160	Y TİPİ ÇATAL / BRANCH TEE	430	240	135	14.6
180X180	Y TİPİ ÇATAL / BRANCH TEE	460	270	140	16.4.
200X200	Y TİPİ ÇATAL / BRANCH TEE	500	300	150	18.2
225X225	Y TİPİ ÇATAL / BRANCH TEE	555	350	165	20.5
250X250	Y TİPİ ÇATAL / BRANCH TEE	610	375	180	22.7
280X280	Y TİPİ ÇATAL / BRANCH TEE	660	420	190	25.4
315X315	Y TİPİ ÇATAL / BRANCH TEE	715	460	200	28.6
355X355	Y TİPİ ÇATAL / BRANCH TEE	725	500	185	32.2
400X400	Y TİPİ ÇATAL / BRANCH TEE	770	600	185	36.3
450X450	Y TİPİ ÇATAL / BRANCH TEE	890	650	220	40.9
500X500	Y TİPİ ÇATAL / BRANCH TEE	940	750	220	45.4
560X560	Y TİPİ ÇATAL / BRANCH TEE	1140	840	290	50.8
630X630	Y TİPİ ÇATAL / BRANCH TEE	1290	950	330	57.2

PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	Z	L1	e
110X110	Y TİPİ ÇATAL / BRANCH TEE	325	160	120	6.6
125X125	Y TİPİ ÇATAL / BRANCH TEE	370	180	120	7.4
140X140	Y TİPİ ÇATAL / BRANCH TEE	390	210	125	8.3
160X160	Y TİPİ ÇATAL / BRANCH TEE	430	240	135	9.5
180X180	Y TİPİ ÇATAL / BRANCH TEE	460	270	140	10.7
200X200	Y TİPİ ÇATAL / BRANCH TEE	500	300	150	11.9
225X225	Y TİPİ ÇATAL / BRANCH TEE	555	350	165	13.4
250X250	Y TİPİ ÇATAL / BRANCH TEE	610	375	180	14.8
280X280	Y TİPİ ÇATAL / BRANCH TEE	660	420	190	16.6
315X315	Y TİPİ ÇATAL / BRANCH TEE	715	460	200	18.7
355X355	Y TİPİ ÇATAL / BRANCH TEE	725	500	185	21.1
400X400	Y TİPİ ÇATAL / BRANCH TEE	770	600	185	23.7
450X450	Y TİPİ ÇATAL / BRANCH TEE	890	650	220	26.7
500X500	Y TİPİ ÇATAL / BRANCH TEE	940	750	220	29.7
560X560	Y TİPİ ÇATAL / BRANCH TEE	1140	840	290	33.2
630X630	Y TİPİ ÇATAL / BRANCH TEE	1290	950	330	37.4

KONFEKSİYON İSTAVROZ TE / CROSS TEE SEGMENTED





PE 100 SDR 11 - PN 16

d	MALZEME ADI	L	L1	Z	e
90x90	İSTAVROZ TE / CROSS TEE	270	90	135	8.2
110X110	İSTAVROZ TE / CROSS TEE	325	105	160	10.0
125X125	İSTAVROZ TE / CROSS TEE	370	120	182.5	11.4
140X140	İSTAVROZ TE / CROSS TEE	390	125	195	12.7
160X160	İSTAVROZ TE / CROSS TEE	430	135	215	14.6
180X180	İSTAVROZ TE / CROSS TEE	460	140	230	16.4
200X200	İSTAVROZ TE / CROSS TEE	500	150	250	18.2
225X225	İSTAVROZ TE / CROSS TEE	555	165	277.5	20.5
250X250	İSTAVROZ TE / CROSS TEE	610	180	305	22.7
280X280	İSTAVROZ TE / CROSS TEE	660	190	330	25.4
315X315	İSTAVROZ TE / CROSS TEE	715	200	357.5	28.6
355X355	İSTAVROZ TE / CROSS TEE	725	185	362.5	32.2
400X400	İSTAVROZ TE / CROSS TEE	770	185	385	36.3
450X450	İSTAVROZ TE / CROSS TEE	850	200	425	40.9
500X500	İSTAVROZ TE / CROSS TEE	900	200	450	45.4
560X560	İSTAVROZ TE / CROSS TEE	960	200	480	50.8
630X630	İSTAVROZ TE / CROSS TEE	1030	200	515	57.2

PE 100 SDR 17 - PN 10

d	MALZEME ADI	L	L1	Z	e
90x90	İSTAVROZ TE / CROSS TEE	270	90	135	5.4
110X110	İSTAVROZ TE / CROSS TEE	325	105	160	6.6
125X125	İSTAVROZ TE / CROSS TEE	370	120	182.5	7.4
140X140	İSTAVROZ TE / CROSS TEE	390	125	195	8.3
160X160	İSTAVROZ TE / CROSS TEE	430	135	215	9.5
180X180	İSTAVROZ TE / CROSS TEE	460	140	230	10.7
200X200	İSTAVROZ TE / CROSS TEE	500	150	250	11.9
225X225	İSTAVROZ TE / CROSS TEE	555	165	277.5	13.4
250X250	İSTAVROZ TE / CROSS TEE	610	180	305	14.8
280X280	İSTAVROZ TE / CROSS TEE	660	190	330	16.6
315X315	İSTAVROZ TE / CROSS TEE	715	200	357.5	18.7
355X355	İSTAVROZ TE / CROSS TEE	725	185	362.5	21.1
400X400	İSTAVROZ TE / CROSS TEE	770	185	385	23.7
450X450	İSTAVROZ TE / CROSS TEE	850	200	425	26.7
500X500	İSTAVROZ TE / CROSS TEE	900	200	450	29.7
560X560	İSTAVROZ TE / CROSS TEE	960	200	480	33.2
630X630	İSTAVROZ TE / CROSS TEE	1030	200	515	37.4

FLANGES & TRANSITION FITTINGS

PN10 / PN16 steel flanges and PE – steel transition fittings.



Steel Flange (PN10 / PN16)

Steel Flange

Steel backing flanges used with flange adaptors, for PE Ø20 – Ø1600.

Size range: DN15 – DN1600

Pressure class	**PN10 / PN16**	Size range	**DN15 – DN1600**

Codes, weights and dimensions: see the dimension tables at the end of this section.



PE-Steel Transition

Connects a PE line to steel pipe with a welded transition; suitable for gas and water lines.

Size range: Ø32 (1") – Ø500 (20")

Natural Gas	**10 bar**	Water	**16 bar**
Size range	**32 – 1" ... 500 – 20"**		

Codes, weights and dimensions: see the dimension tables at the end of this section.

FLANŞ / FLANGE





Steel Nominal DN	PE Equivalent d	D6 (mm)	K (mm)	D (mm)	D2 (mm)	n ad	kg
15	20	28	65	95	14	4	0,6
20	25	34	75	105	14	4	1,0
25	32	42	85	115	14	4	1,1
32	40	51	100	140	18	4	1,6
40	50	62	110	150	18	4	1,7
50	63	78	125	165	18	4	2,2
65	75	92	145	185	18	4	2,8
80	90	108	160	200	18	8	3,2
100	110	128	180	220	18	8	3,6
100	125	135	180	220	18	8	3,4
125	140	158	210	250	18	8	4,6
150	160	178	240	285	23	8	6,4
150	180	188	240	285	23	8	5,8
200	200	235	295	340	23	12	8,0
200	225	238	295	340	23	12	7,8
250	250	288	355	405	27	12	11,8
250	280	294	355	405	27	12	11,2
300	315	338	410	465	27	12	16,2
350	355	376	470	520	27	16	22,8
400	400	430	525	580	30	16	28,4
500	450	517	650	715	33	20	49,4
500	500	533	650	715	33	20	43,6
600	560	618	770	840	36	20	66,2
600	630	645	770	840	36	20	58,4
700	710	740	840	910	39	24	56,6
800	800	843	950	1025	39	24	59,0
900	900	947	1050	1125	39	28	84,5
1000	1000	1050	1170	1255	42	28	115,0
1200	1200	1260	1390	1485	48	32	172,0
1400	1400	1436	1590	1685	48	36	240,0
1600	1600	1640	1820	1930	56	40	343,0

FLANŞ / FLANGE

PN10



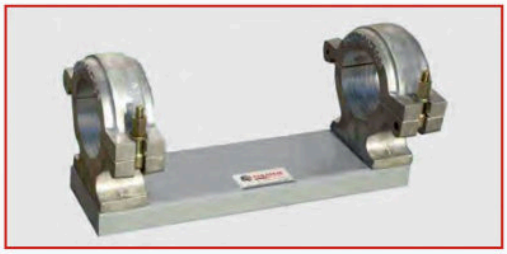


Steel Nominal DN	PE Equivalent d	D6 (mm)	K (mm)	D (mm)	D2 (mm)	n ad	kg
15	20	28	65	95	14	4	0,6
20	25	34	75	105	14	4	1,0
25	32	42	85	115	14	4	1,1
32	40	51	100	140	18	4	1,6
40	50	62	110	150	18	4	1,7
50	63	78	125	165	18	4	2,2
65	75	92	145	185	18	4	2,8
80	90	108	160	200	18	8	3,2
100	110	128	180	220	18	8	3,6
100	125	135	180	220	18	8	3,4
125	140	158	210	250	18	8	4,6
150	160	178	240	285	23	8	6,4
150	180	188	240	285	23	8	5,8
200	200	235	295	340	23	8	8,4
200	225	238	295	340	23	8	8,2
250	250	288	350	390	23	12	11,6
250	280	294	350	395	23	12	10,4
300	315	338	400	445	23	12	13,0
350	355	376	460	505	30	16	17,8
400	400	430	515	565	30	16	20,8
500	450	517	620	670	30	20	30,0
500	500	533	620	670	30	20	26,8
600	560	618	725	780	30	20	36,4
600	630	645	725	780	30	20	30,4
700	710	740	840	895	30	24	44,6
800	800	843	950	1015	33	24	60,0
900	900	947	1050	1115	33	28	65,5
1000	1000	1050	1160	1230	36	28	80,6
1200	1200	1260	1380	1455	39	32	136,0
1400	1400	1436	1590	1675	42	36	194,0
1600	1600	1640	1890	1915	48	40	282,0

POZİSYONER / COUPLER CLAMP









GİYOTİN BORU KESİCİ
GIOTIN PIPE CUTTER



PE ÇELİK GEÇİŞ
PE-STELL TRANSITION

GAS/GAZ : 10 BAR
WATER/SU : 16 BAR



D-DN	CODE
32 - 1"	32.GK0.00.11.3233
63 - 2"	32.GK0.00.11.6360
90 - 3"	32.GK0.00.11.7573
110 - 4"	32.GK0.00.11.9090
125 - 4"	32.GK0.00.11.1111
160 - 6"	32.GK0.00.11.1616
180 - 6"	32.GK0.00.11.1816
200 -8"	32.GK0.00.11.2021
225 - 8"	32.GK0.00.11.2221
250-10"	32.GK0.00.11.2527
280-10"	32.GK0.00.11.2827
315-12"	32.GK0.00.11.3132
355-14"	32.GK0.00.11.3535
400-16"	32.GK0.00.11.4040
450-18"	32.GK0.00.11.4545
500-20"	32.GK0.00.11.5050

VALVES & FIRE HYDRANTS

Gate valves, above-ground / underground hydrants, air valves and accessories.



Metal Seated Gate Valve

Flanged gate valve for shut-off and isolation in network lines.



Above-ground Fire Hydrant

Above-ground hydrant and operating key for fire water networks.



Underground Fire Hydrant

Underground fire hydrant that causes no traffic obstruction or visual clutter.



Double Ball Air Valve

High-flow air release and vacuum prevention during line filling/draining.



Single Ball Air Valve

Automatic release of air accumulated during operation.



Hydrant Duckfoot Bend

Flanged duckfoot bend used to connect the hydrant to the network.



Valve Key & Surface Box Set

Extension spindle, protective tube and surface box for operating buried valves from above ground.

AUXILIARY EQUIPMENT

Positioners, guillotine pipe cutters and site equipment.



Coupler Clamp

Holds pipes in axial alignment during electrofusion welding and prevents slipping.

- Cast aluminium clamps
- Keeps the pipe still throughout welding and cooling
- Suitable for coupler and elbow applications



Guillotine Pipe Cutter

Mechanical guillotine cutter for square, clean cuts on PE pipe.

- Burr-free cut square to the pipe axis
- Shortens pre-welding preparation time
- Rugged body suited to site use

Technical data is for information only and may change without prior notice.