

# GeoFittings

ELECTROFUSION CATALOGUE



ECO



GEO

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Green PE 100 polyethylene fittings and pipes, forming the GeoHeat Ground Heat Exchanger System, which, when combined with the building's mechanical ventilation system, increases the energy efficiency of the installation. Electrofusion and butt fittings made of black PE 100RC polyethylene, as well as polyethylene-brass adapters for the construction and renovation of water, gas and sewage networks, with the trademark - GeoFittings, which we produce in accordance with the principles of pro-environmental policy.

Currently, offers our customers two systems: Geoheat System - Innovative Ground Heat Exchanger, which is an element of mechanical ventilation of buildings, and GeoFittings System - electrofusion fittings and butt fittings as well as new generation adapters, which are used to build and repair gas, water and sewage distribution networks. Our partner - production company that pays special attention on quality, which is why, from the beginning of its existence, the Company maintains a certified Quality Management System according to ISO 9001. The production of products takes place in a modern production hall on machines and devices that meet all the requirements of the regulations rights. The company also cooperates with universities and external laboratories, which contributes to its continuous development, expansion of the product range and improvement of production technology.

## What makes us stand out ?

- Raw materials and materials of the highest quality
- Improved production technology and ease of assembly
- 100% quality control
- Full Traceability
- Innovative products
- Pro-environmental approach
- Comprehensive service
- Individual approach to the client

## GEOFITTINGS SYSTEM

GeoFittings is a new proposal. It is a system of electrofusion fittings, butt fittings and polyethylene adapters. These products are manufactured from the highest quality raw materials and materials and comply with applicable standards and legal regulations, which is confirmed by appropriate certificates and approvals. The fittings are tested on an ongoing basis in the internal laboratory and by accredited external laboratories. GeoFittings system products are new generation fittings, improved technologies, 100% quality control and full traceability guarantee the best purchase.

Taking care of the natural environment, we pack our products only in ecological or recycled packaging, and during production we minimize the amount of water and energy consumption and the amount of waste produced.



## KEY DOCUMENTS


**NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO** · Państwowy Zakład Higieny  
 NATIONAL INSTITUTE OF PUBLIC HEALTH · National Institute of Hygiene  
**ZAKŁAD BEZPIECZENSTWA ZDROWOTNEGO ŚRODOWISKA**  
 DEPARTMENT OF ENVIRONMENTAL HEALTH AND SAFETY

**ATEST HIGIENICZNY B-BK-60210-0158/20**  
**HYGIENIC CERTIFICATE ORIGINAL**  
**NATIONAL INSTITUTE OF PUBLIC HEALTH – NATIONAL INSTITUTE OF HYGIENE**

**Wyrodo / product:** Kształtki polietylencwa elektrooporowe i doczołowe w zakresie średnic 20-316 mm

**Zawierający / containing:** polioylen HD PE 100

**Przeznaczony do / destined:** budowy i remontów systemów rurowych służących do przesyłania zimnej wody przeznaczonych do spożycia przez ludzi oraz wody użytkowej i odprowadzania ścieków

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków / the above-named product is acceptable according to hygienic criteria with the following conditions:  
 Instalacje służące do przesyłania wody przeznaczonej do spożycia przez ludzi, przed oddaniem do użytku, należy przepłukać wodą w objętości zapewniającej jej całkowitą wymianę.  
 Atest higieniczny nie dotyczy parametrów technicznych wyrobów-hygiene certificate does not apply to technical parameters of the products

**Wytworca / producer:** ECOPLASTOL Sp. z o.o.  
 42-530 Dąbrowa Górnicza  
 ul. Pułkownika 41

Niniejszy dokument wydano na wniosek / this certificate issued for:  
 ECOPLASTOL Sp. z o.o.  
 42-530 Dąbrowa Górnicza  
 ul. Pułkownika 41

Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez właściwych stronę. Niniejszy atest traci ważność po 2023.03.23 lub w przypadku zmiany w recepturze albo w technologii wytworzenia wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2023.03.23 or in the case of changes in composition or in technology of production.

**Data wydania atestu higienicznego:** 23 marca 2020  
**The date of issue of the certificate:** 23rd March 2020

Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygiene certificate:  
 Zakład Bezpieczeństwa Żywności NIZP-PZH / Department of Environmental Health and Safety NIPH-NIH  
 00-781 Warszawa, ul. Chłodnia 24 / 00-781 Warsaw, Chłodnia 24, Poland  
 e-mail: wsk-zbz@pzh.gov.pl tel. +48 22 64-21-354, +48 22 64 21 040



**Certyfikat**  
 Przyznany firmie  
**ECOPLASTOL Sp. z o.o.**  
 ul. Szkolna 46A, 42-512 MALINOWICE

Bureau Veritas Certification stwierdza, że System Zarządzania Wyżej Wymienionej Organizacji został oceniony i uznany jako zgodny z wymaganiami norm i zakresem usług wyszczególnionych poniżej.

**NORMY**  
**ISO 9001:2015**  
**ZAKRES CERTYFIKACJI**

**PRODUKCJA WYROBÓW Z TWORZYW SZTUCZNYCH PRZEZNACZONYCH DO BUDOWY I REMONTÓW ZEWNĘTRZNYCH SIECI.**

**Data rozpoczęcia cyklu:** 27 listopada 2018  
 Pod warunkiem stałego systematycznego spełniania Systemu Zarządzania, certyfikat jest ważny do: 26 listopada 2021

W celu sprawdzenia ważności niniejszego certyfikatu firmowy e-mail: +48 22 549 01 00  
 Porozumienie informacyjne dotyczące zakresu certyfikacji oraz wymagań systemu zarządzania można uzyskać w swojej regionalnej organizacji.

**Data wygaśnięcia:** 14 grudnia 2023

**Numer Certyfikatu:** PL009745/1UP

  
 Piotr Powałowski  
 Local Technical Manager





## TECHNICAL DATA



### RAW MATERIAL

Black PE100 RC polyethylene, in accordance with PN-EN 12201-1 and PN-EN 1555-1.

PARAMETR	PROPERTIES	UNIT	TEST METHOD
DENSITY	930	kg/m <sup>3</sup>	ISO 1183-1
MFR	0,3 ± 0,1	g/ 10 min	ISO 1133
OIT	20	Min	EN ISO 11357-6



### QUALITY REQUIREMENTS

Fittings meet the requirements of EN 12201-3 and EN 1555-3.

The measurement of geometric features of fittings is performed in accordance with EN ISO 3126

### INTERNAL PRESSURE RESISTANCE

	MOP	
	GAS	WATER
SDR 11	10 bar	16 bar
SDR 17	6 bar	10 bar

### MARKING

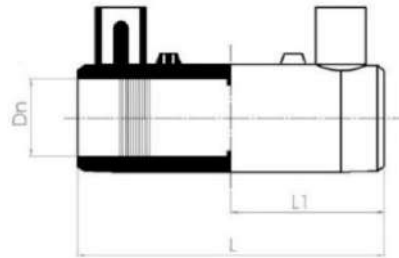
DATA	FEATURE OR SYMBOL
SYSTEM STANDARD NUMBER	EN 12201-3 / EN 1555-3
TRADEMARK	GEOFITTINGS
NOMINAL DIAMETER	eg. 110
MATERIAL AND MARKING	eg. PE 100
DESIGN SERIES OF SDR	eg. SDR 11
POSSIBLE SDR RANGE OF PIPES TO BE WELDED	eg. SDR 11 – SDR 17
DATE OF PRODUCTION	eg. 02.2021
DESTINATION - SENT MEDIUM	GAS / WATER



### WELDING RECOGNITION SYSTEM

The welded electrofusion fittings are coded on label, system compliant with ISO 13950 for automatic recognition of fusion.

## ELECTROFUSION COUPLER SDR 11

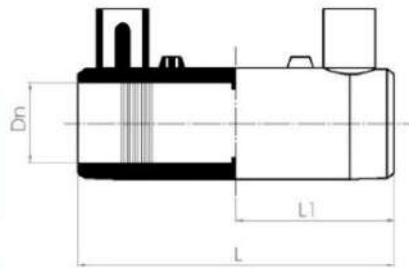


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicators

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]
ME 20	GEO.ME.020.11	20	75	36
ME 25	GEO.ME.025.11	25	75	36
ME 32	GEO.ME.032.11	32	75	36
ME 40	GEO.ME.040.11	40	106	51
ME 50	GEO.ME.050.11	50	118	56
ME 63	GEO.ME.063.11	63	121	57
ME 75	GEO.ME.075.11	75	119	56
ME 90	GEO.ME.090.11	90	145	68
ME 110	GEO.ME.110.11	110	147	71
ME 125	GEO.ME.125.11	125	166	79
ME 140	GEO.ME.140.11	140	174	84
ME 160	GEO.ME.160.11	160	180	87
ME 180*	ME.180.11	180	192	94
ME 200	GEO.ME.200.11	200	209	102
ME 225	GEO.ME.225.11	225	218	107
ME 250*	ME.250.11	250	248	122
ME 280*	ME.280.11	280	252	124
ME 315*	ME.315.11	315	267	131
ME 355*	ME.355.11	355	290	143
ME 400*	ME.400.11	400	294	145
ME 450*	ME.450.11	450	327	161
ME 500*	ME.500.11	500	358	176
ME 560*	ME.560.11	560	396	196
ME 630*	ME.630.11	630	440	218

\* other producers 

## ELECTROFUSION COUPLER SDR 17



10 bar WATER, 6 bar GAS

Connection terminals 4,0 mm

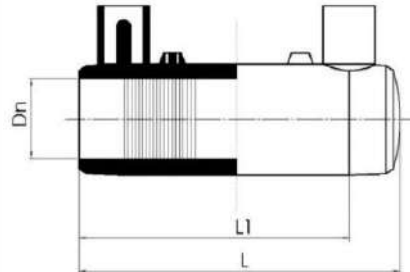
Welding indicators

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]
<b>ME 110</b>	GEO.ME.110.17	110	146	70
<b>ME 125</b>	GEO.ME.125.17	125	166	80
<b>ME 140</b>	GEO.ME.140.17	140	174	84
<b>ME 160</b>	GEO.ME.160.17	160	183	88
<b>ME 180</b>	GEO.ME.180.17	180	195	93
<b>ME 200</b>	GEO.ME.200.17	200	209	102
<b>ME 225</b>	GEO.ME.225.17	225	218	107
<b>ME 250</b>	GEO.ME.250.17	250	227	110
<b>ME 280*</b>	ME.280.17	280	252	124
<b>ME 315*</b>	ME.315.17	315	260	128
<b>ME 355*</b>	ME.355.17	355	292	144
<b>ME 400*</b>	ME.400.17	400	295	145
<b>ME 450*</b>	ME.450.17	450	327	161
<b>ME 500*</b>	ME.500.17	500	358	177
<b>ME 560*</b>	ME.560.17	560	396	196
<b>ME 630*</b>	ME.630.17	630	440	218

\* other producers 



## ELECTROFUSION END CAP SDR 11

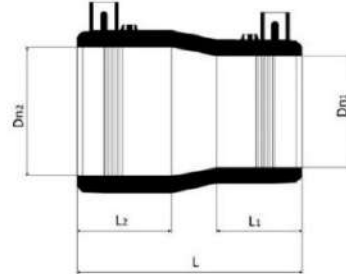


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicator

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]
<b>ZE 20</b>	ZE.020.11	20	-	-
<b>ZE 25</b>	GEO.ZE.025.11	25	83	40
<b>ZE 32</b>	GEO.ZE.032.11	32	88	43
<b>ZE 40</b>	GEO.ZE.040.11	40	79	48
<b>ZE 50</b>	GEO.ZE.050.11	50	120	53
<b>ZE 63</b>	GEO.ZE.063.11	63	124	62
<b>ZE 75</b>	GEO.ZE.075.11	75	124	70
<b>ZE 90</b>	GEO.ZE.090.11	90	148	79
<b>ZE 110</b>	GEO.ZE.110.11	110	151	82
<b>ZE 125</b>	GEO.ZE.125.11	125	204	79
<b>ZE 140*</b>	ZE.140.11	140	-	-
<b>ZE 160</b>	GEO.ZE.160.11	160	221	87
<b>ZE 180*</b>	ZE.180.11	180	-	-
<b>ZE 200*</b>	ZE.200.11	200	-	-
<b>ZE 225*</b>	ZE.225.11	225	-	-
<b>ZE 250*</b>	ZE.250.11	250	-	-
<b>ZE 315*</b>	ZE.315.11	315	-	-

\* other producers

## ELECTROFUSION REDUCER SDR 11



16 bar WATER, 10 bar GAS

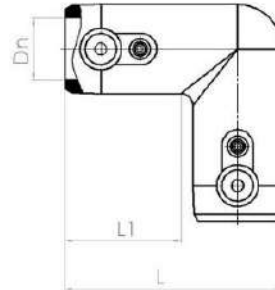
Connection terminals 4,0 mm

Welding indicators

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]
RE 25/20	GEO.RE.025020.11	25/20	105	41	41
RE 32/20	GEO.RE.032020.11	32/20	105	41	41
RE 32/25	GEO.RE.032025.11	32/25	105	39	44
RE 40/25	GEO.RE.040025.11	40/25	116	49	41
RE 40/32	GEO.RE.040032.11	40/32	116	40	48
RE 50/25	GEO.RE.050025.11	50/25	129	48	41
RE 50/32	GEO.RE.050032.11	50/32	129	48	55
RE 50/40	GEO.RE.050040.11	50/40	129	48	55
RE 63/25	GEO.RE.063025.11	63/25	125	42	57
RE 63/32	GEO.RE.063032.11	63/32	125	42	57
RE 63/40	GEO.RE.063040.11	63/40	128	49	58
RE 63/50	GEO.RE.063050.11	63/50	128	49	58
RE 75/50	GEO.RE.075050.11	75/50	156	58	72
RE 75/63	GEO.RE.075063.11	75/63	156	58	72
RE 90/63	GEO.RE.090063.11	90/63	170	58	77
RE 90/75	GEO.RE.090075.11	90/75	156	69	78
RE 110/63	GEO.RE.110063.11	110/63	205	73	90
RE 110/90	GEO.RE.110090.11	110/90	173	75	86
RE 125/90	GEO.RE.125090.11	125/90	216	85	89
RE 125/110	GEO.RE.125110.11	125/110	224	89	98
RE 140/125	GEO.RE.140125.11	140/125	224	91	100
RE 160/90*	RE.160090.11	160/90	-	-	-
RE 160/110	GEO.RE.160110.11	160/110	227	89	115
RE 160/125	GEO.RE.160125.11	160/125	233	92	100
RE 160/140	GEO.RE.160140.11	160/140	233	95	99
RE 225/160*	RE.225.160.11	225/160	-	-	-

\* other producers

## ELECTROFUSION ELBOW 90° SDR 11




16 bar WATER, 10 bar GAS

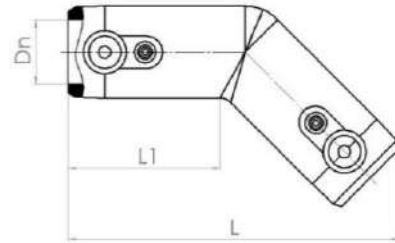
Connection terminals 4,0 mm

Welding indicators

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]
KE 25/90	GEO.KE.025090.11	25	83	40
KE 32/90	GEO.KE.032090.11	32	86	40
KE 40/90	GEO.KE.040090.11	40	97	47
KE 50/90	GEO.KE.050090.11	50	113	43
KE 63/90	GEO.KE.063090.11	63	141	61
KE 75/90	GEO.KE.075090.11	75	161	69
KE 90/90	GEO.KE.090090.11	90	167	65
KE 110/90	GEO.KE.110090.11	110	200	70
KE 125/90	GEO.KE.125090.11	125	230	87
KE 140/90	GEO.KE140090.11	140	238	75
KE 160/90	GEO.KE160090.11	160	273	91
KE 180/90*	KE.180090.11	180	-	-
KE 200/90*	KE.200090.11	200	-	-
KE 225/90*	KE.225090.11	225	-	-
KE 250/90*	KE.250090.11	250	-	-

\* other producers 

## ELECTROFUSION ELBOW 45° SDR 11

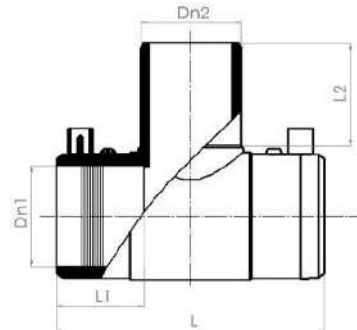


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicators

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]
KE 25/45	GEO.KE.025045.11	25	103	40
KE 32/45	GEO.KE.032045.11	32	121	43
KE 40/45	GEO.KE.040045.11	40	135	47
KE 50/45	GEO.KE.050045.11	50	153	53
KE 63/45	GEO.KE.063045.11	63	178	61
KE 75/45	GEO.KE.075045.11	75	183	62
KE 90/45	GEO.KE.090045.11	90	200	74
KE 110/45	GEO.KE.110045.11	110	226	74
KE 125/45	GEO.KE.125045.11	125	231	76
KE 140/45*	KE.140045.11	140	-	-
KE 160/45	GEO.KE.160045.11	160	295	90
KE 180/45*	KE.180045.11	180	-	-
KE 200/45*	KE.200045.11	200	-	-
KE 225/45*	KE.225045.11	225	-	-
KE 250/45*	KE.250045.11	250	-	-

\* other producers

## ELECTROFUSION TEE EQUAL SDR 11

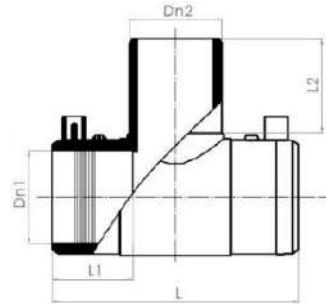


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicators

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]
TE 20*	TE.020020.11	20/20	-	-
TE 25*	TE.025025.11	25/25	-	-
TE 32*	TE.032032.11	32/32	-	-
TE 40	GEO.TE.040040.11	40/40	130	48
TE 50	GEO.TE.050050.11	50/50	150	54
TE 63	GEO.TE.063063.11	63/63	175	60
TE 75	GEO.TE.075075.11	75/75	194	66
TE 90	GEO.TE.090090.11	90/90	223	69
TE 110	GEO.TE.110110.11	110/110	242	72
TE 125	GEO.TE.125125.11	125/125	275	72
TE 140*	TE.140140.11	140/140	-	-
TE 160*	TE.160160.11	160/160	-	-
TE 180*	TE.180180.11	180/180	-	-
TE 200*	TE.200200.11	200/200	-	-
TE 225*	TE.225225.11	225/225	-	-
TE 250*	TE.250250.11	250/250	-	-

\* other producers

## ELECTROFUSION TEE REDUCER SDR 11

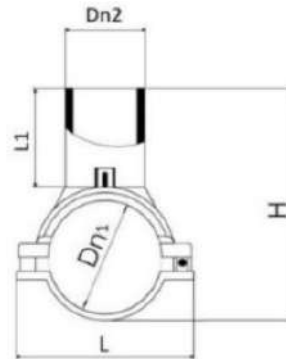


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicators

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]
TE 25/20*	TE.025020.11	25/20	-	-
TE 32/20*	TE.032020.11	32/20	-	-
TE 32/25*	TE.032025.11	32/25	-	-
TE 40/25	GEO.TE.040025.11	40/25	130	48
TE 40/32	GEO.TE.040032.11	40/32	130	48
TE 50/25	GEO.TE.050025.11	50/25	150	54
TE 50/32	GEO.TE.050032.11	50/32	150	54
TE 50/40	GEO.TE.050040.11	50/40	150	54
TE 63/32	GEO.TE.063032.11	63/32	161	49
TE 63/40	GEO.TE.063040.11	63/40	161	49
TE 63/50	GEO.TE.063050.11	63/50	161	49
TE 75/50	GEO.TE.075050.11	75/50	195	66
TE 75/63	GEO.TE.075063.11	75/63	195	66
TE 90/63	GEO.TE.090063.11	90/63	223	70
TE 90/75	GEO.TE.090075.11	90/75	223	70
TE 110/63	GEO.TE.110063.11	110/63	242	72
TE 110/75	GEO.TE.110075.11	110/75	242	72
TE 110/90	GEO.TE.110090.11	110/90	242	72
TE 125/63	GEO.TE.125063.11	125/63	272	71
TE 125/75	GEO.TE.125075.11	125/75	272	71
TE 125/90	GEO.TE.125090.11	125/90	272	71
TE 125/110	GEO.TE.125110.11	125/110	272	71
TE 160/63*	TE.160063.11	160/63	330	89
TE 160/90*	TE.160090.11	160/90	-	-
TE 160/110*	TE.160110.11	160/110	-	-
TE 200/90*	TE.200090.11	200/90	-	-
TE 200/110*	TE.200110.11	200/110	-	-
TE 200/160*	TE.200160.11	200/160	-	-
TE 225/90*	TE.225090.11	225/90	-	-
TE 225/110*	TE.225110.11	225/110	-	-
TE 225/160*	TE.225160.11	225/160	-	-
TE 250/110*	TE.250110.11	250/110	-	-
TE 250/160*	TE.250160.11	250/160	-	-

\* other producers

## BRANCH SADDLE SDR 11

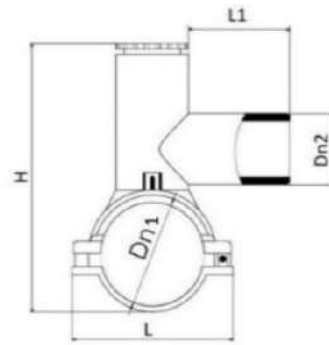


16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicator

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L <sub>1</sub> [mm]	H [mm]
OS 63/32	GEO.OS.063032.11	63/32	47	170
OS 75/32	GEO.OS.075032.11	75/32	51	183
OS 90/32	GEO.OS.090032.11	90/32	91	194
OS 90/40	GEO.OS.090040.11	90/40	93	194
OS 90/63	GEO.OS.090063.11	90/63	91	250
OS 110/32	GEO.OS.110032.11	110/32	94	211
OS 110/40	GEO.OS.110040.11	110/40	93	211
OS 110/63	GEO.OS.110063.11	110/63	68	211
OS 125/32	GEO.OS.125032.11	125/32	87	244
OS 125/40	GEO.OS.125040.11	125/40	97	245
OS 125/63	GEO.OS.125063.11	125/63	63	245
OS 160/32	GEO.OS.160.032.11	160/32	87	285
OS 160/63	GEO.OS.160063.11	160/63	69	308
OS 180/32*	OS.180032.11	180/32	-	-
OS 180/63*	OS.180063.11	180/63	-	-
OS 200/32*	OS.200032.11	200/32	-	-
OS 200/63*	OS.200063.11	200/63	-	-
OS 200/90*	OS.200090.11	200/90	-	-
OS 225/32*	OS.225032.11	225/32	-	-
OS 225/63*	OS.225063.11	225/63	-	-
OS 250/32*	OS.250032.11	250/32	-	-
OS 250/63*	OS.250063.11	250/63	-	-
OS 280/63*	OS.280063.11	280/63	-	-
OS 280/90*	OS.280090.11	280/90	-	-
OS 315/63*	OS.315063.11	315/63	-	-
OS 315/90*	OS.315090.11	315/90	-	-

\* iother producers

## ELECTROFUSION TAPPING TEE SDR 11



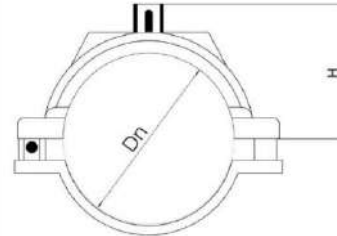
16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicator

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L <sub>1</sub> [mm]	H [mm]
TS 32/20*	TS.032020.11	32/20	-	-
TS 40/20*	TS.040020.11	40/20	-	-
TS 40/25*	TS.040025.11	40/25	-	-
TS 40/32*	TS.040032.11	40/32	-	-
TS 50/20*	TS.050020.11	50/20	-	-
TS 50/25*	TS.050025.11	50/25	-	-
TS 50/32*	TS.050032.11	50/32	-	-
TS 63/20*	TS.063020.11	63/20	-	-
TS 63/25*	TS.063025.11	63/25	-	-
TS 63/32*	TS.063032.11	63/32	-	-
TS 63/40*	TS.063040.11	63/40	-	-
TS 63/50*	TS.063050.11	63/50	-	-
TS 63/63*	TS.063063.11	63/63	-	-
TS 75/20*	TS.075020.11	75/20	-	-
TS 75/25*	TS.075025.11	75/25	-	-
TS 75/32*	TS.075032.11	75/32	-	-
TS 75/40*	TS.075040.11	75/40	-	-
TS 75/50*	TS.075050.11	75/50	-	-
TS 75/63*	TS.075063.11	75/63	-	-
TS 90/25*	TS.090025.11	90/25	-	-
TS 90/32*	TS.090032.11	90/32	-	-
TS 90/40*	TS.090040.11	90/40	-	-
TS 90/50*	TS.090050.11	90/50	-	-
TS 90/63	GEO.TS.090063.11	90/63	90	252
TS 110/32	GEO.TS.110032.11	110/32	106	271
TS 110/40	GEO.TS.110040.11	110/40	98	275
TS 110/63	GEO.TS.110063.11	110/63	79	270
TS 125/32	GEO.TS.125032.11	125/32	91	315
TS 125/40	GEO.TS.125040.11	125/40	90	315
TS 125/63	GEO.TS.125063.11	125/63	101	315
TS 160/32	GEO.TS.160.032.11	160/32	103	326
TS 160/63	GEO.TS.160063.11	160/63	69	323
TS 180/63*	TS.180063.11	180/63	-	-
TS 200/63*	TS.200063.11	200/63	-	-
TS 225/63	GEO.TS.225063.11	225/63	107	426
TS 250/63*	TS.250063.11	250/63	-	-
TS 280/63*	TS.280063.11	280/63	-	-
TS 315/63*	TS.315063.11	315/63	-	-

\* other producers



## REPAIR SADDLE SDR 11



16 bar WATER, 10 bar GAS  
 Connection terminals 4,0 mm  
 Welding indicators

Product code	Catalogue number	Dn [mm]	H [mm]
OSN 63	GEO.OSN.063.11	63	60
OSN 75	GEO.OSN.075.11	75	62
OSN 90	GEO.OSN.090.11	90	66
OS 110	GEO.OSN.110.11	110	73
OS 160	GEO.OSN.160..11	160	64

## TAPPING TEE WITH VALVE SDR 11

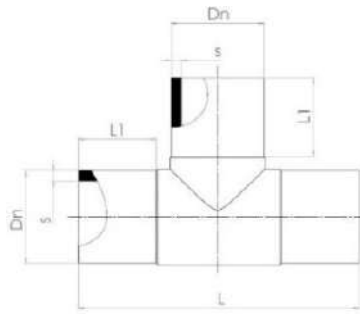
16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn <sub>1</sub> /Dn <sub>2</sub> [mm]	L <sub>1</sub> [mm]	H [mm]
TSZ 90/63	TSZ.090063.11	90/63	-	-
TSZ 110/63	TSZ.110063.11	110/63	-	-
TSZ 125/63	TSZ.125063.11	125/63	-	-
TSZ 140/63	TSZ.140063.11	140/63	-	-
TSZ 160/63	TSZ.160063.11	160/63	-	-
TSZ 180/63	TSZ.180063.11	180/63	-	-
TSZ 200/63	TSZ.200063.11	200/63	-	-
TSZ 225/63	TSZ.225063.11	225/63	-	-
TSZ 250/63	TSZ.250063.11	250/63	-	-
TSZ 280/63	TSZ.280063.11	280/63	-	-
TSZ 315/63	TSZ.315063.11	315/63	-	-

\* other producers



## SPIGOT TEE EQUAL SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
<b>TD 90</b>	GEO.TD.090090.11	90	283	82	8,2
<b>TD 110</b>	GEO.TD.110110.11	110	312	91	10,0
<b>TD 125*</b>	TD.125125.11	125	-	-	11,4
<b>TD 140*</b>	TD.140140.11	140	-	-	12,7
<b>TD 160*</b>	TD.160160.11	160	-	-	14,6
<b>TD 180*</b>	TD.180180.11	180	-	-	16,4
<b>TD 200*</b>	TD.200200.11	200	-	-	18,2
<b>TD 225*</b>	TD.225225.11	225	-	-	20,5
<b>TD 250*</b>	TD.250250.11	250	-	-	22,7
<b>TD 280*</b>	TD.280280.11	280	-	-	25,4
<b>TD 315*</b>	TD.315315.11	315	-	-	28,6
<b>TD 355*</b>	TD.355355.11	355	-	-	32,3
<b>TD 400*</b>	TD.400400.11	400	-	-	36,3

\* other producers

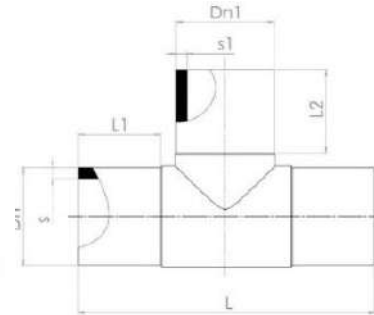
## SPIGOT TEE EQUAL SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
<b>TD 90</b>	GEO.TD.090090.17	90	283	82	5,4
<b>TD 110</b>	GEO.TD.110110.17	110	312	91	6,6
<b>TD 125*</b>	TD.125125.17	125	-	-	7,4
<b>TD 140*</b>	TD.140140.17	140	-	-	8,3
<b>TD 160*</b>	TD.160160.17	160	-	-	9,5
<b>TD 180*</b>	TD.180180.17	180	-	-	10,7
<b>TD 200*</b>	TD.200200.17	200	-	-	11,9
<b>TD 225*</b>	TD.225225.17	225	-	-	13,4
<b>TD 250*</b>	TD.250250.17	250	-	-	14,8
<b>TD 280*</b>	TD.280280.17	280	-	-	16,6
<b>TD 315*</b>	TD.315315.17	315	-	-	18,7
<b>TD 355*</b>	TD.355355.17	355	-	-	21,1
<b>TD 400*</b>	TD.400400.17	400	-	-	23,7

\* other producers

## SPIGOT TEE REDUCER SDR 11

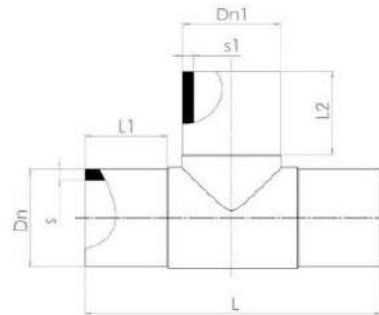


16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn / Dn <sub>1</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
TD 90/63	GEO.TD.090063.11	90/63	283	82	73	8,2 / 5,8
TD 110/63	GEO.TD.110063.11	100/63	312	92	86	10,0 / 5,8
TD 110/90	GEO.TD.110090.11	110/90	366	92	80	10,0 / 8,2
TD 125/90*	TD.125090.11	125/90	-	-	-	11,4/8,2
TD 125/110*	TD.125110.11	125/110	-	-	-	11,4 / 10,0
TD 160/63*	TD.160063.11	160/63	-	-	-	14,6 / 5,8
TD 160/75*	TD.160075.11	160/75	-	-	-	14,6 / 6,8
TD 160/90*	TD.160090.11	160/90	-	-	-	14,6 / 8,2
TD 160/110*	TD.160110.11	160/110	-	-	-	14,6 / 10,0
TD 180/90*	TD.180090.11	180/90	-	-	-	16,4 / 8,2
TD 180/110*	TD.180110.11	180/110	-	-	-	16,4 / 10,0
TD 180/160*	TD.180160.11	180/160	-	-	-	16,4 / 14,6
TD 200/63*	TD.200063.11	200/63	-	-	-	18,2 / 5,8
TD 200/90*	TD.200090.11	200/90	-	-	-	18,2 / 8,2
TD 200/110*	TD.200110.11	200/110	-	-	-	18,2 / 10,0
TD 200/160*	TD.200160.11	200/160	-	-	-	18,2 / 14,6
TD 225/75*	TD.225075.11	225/75	-	-	-	20,5 / 6,8
TD 225/90*	TD.225090.11	225/90	-	-	-	20,5 / 8,2
TD 225/110*	TD.225110.11	225/110	-	-	-	20,5 / 10,0
TD 225/160*	TD.225160.11	225/160	-	-	-	20,5 / 14,6
TD 225/180*	TD.225180.11	225/180	-	-	-	20,5 / 16,4
TD 250/110*	TD.250110.11	250/110	-	-	-	22,7 / 10,0
TD 250/160*	TD.250160.11	250/160	-	-	-	22,7 / 14,6
TD 315/110*	TD.315110.11	315/110	-	-	-	28,6 / 10,0
TD 315/160*	TD.315160.11	315/160	-	-	-	28,6 / 14,6
TD 315/225*	TD.315225.11	315/225	-	-	-	28,6 / 20,5
TD 315/250*	TD.315250.11	315/250	-	-	-	28,6 / 22,7

\* other producers 

## SPIGOT TEE REDUCER SDR 17

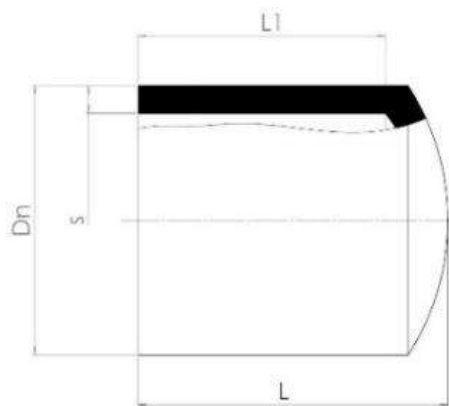


10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn / Dn <sub>1</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
TD 90/63	GEO.TD.090063.17	90/63	283	82	73	5,4 / 3,8
TD 110/63	GEO.TD.110063.17	100/63	312	92	86	6,6 / 3,8
TD 110/90	GEO.TD.110090.17	110/90	366	92	80	6,6 / 5,4
TD 125/110*	TD.125110.17	125/110	-	-	-	7,4 / 6,6
TD 160/63*	TD.160063.17	160/63	-	-	-	9,5 / 3,8
TD 160/75*	TD.160075.17	160/75	-	-	-	9,5 / 4,5
TD 160/90*	TD.160090.17	160/90	-	-	-	9,5 / 5,4
TD 160/110*	TD.160110.17	160/110	-	-	-	9,5 / 6,6
TD 180/90*	TD.180090.17	180/90	-	-	-	10,7 / 5,4
TD 180/160*	TD.180160.17	180/160	-	-	-	10,7 / 9,5
TD 200/63*	TD.200063.17	200/63	-	-	-	11,9 / 3,8
TD 200/90*	TD.200090.17	200/90	-	-	-	11,9 / 5,4
TD 200/110*	TD.200110.17	200/110	-	-	-	11,9 / 6,6
TD 200/160*	TD.200160.17	200/160	-	-	-	11,9 / 9,5
TD 225/75*	TD.225075.17	225/75	-	-	-	13,4 / 4,5
TD 225/90*	TD.225090.17	225/90	-	-	-	13,4 / 5,4
TD 225/110*	TD.225110.17	225/110	-	-	-	13,4 / 6,6
TD 225/160*	TD.225160.17	225/160	-	-	-	13,4 / 9,5
TD 225/180*	TD.225180.17	225/180	-	-	-	13,4 / 10,7
TD 250/110*	TD.250110.17	250/110	-	-	-	14,8 / 6,6
TD 250/160*	TD.250160.17	250/160	-	-	-	14,8 / 9,5
TD 315/110*	TD.315110.17	315/110	-	-	-	18,7 / 6,6
TD 315/160*	TD.315160.17	315/160	-	-	-	18,7 / 9,5
TD 315/225*	TD.315225.17	315/225	-	-	-	18,7 / 13,4
TD 315/250*	TD.315250.17	315/250	-	-	-	18,7 / 14,8

\* other producers 

## SPIGOT END CAP LONG SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	S <sub>min</sub> [mm]
ZD 63*	ZD.063.11	63	-	5,8
ZD 75*	ZD.075.11	75	-	6,8
ZD 90*	ZD.090.11	90	-	8,2
ZD 110	GEO.ZD.110.11	110	98	10,0
ZD 125	GEO.ZD.125.11	125	105	11,4
ZD 140*	ZD.140.11	140	-	12,7
ZD 160	GEO.ZD.160.11	160	120	14,6
ZD 180*	ZD.180.11	180	-	16,4
ZD 200*	ZD.200.11	200	-	18,2
ZD 225*	ZD.225.11	225	-	20,5
ZD 250*	ZD.250.11	250	-	22,7
ZD 280*	ZD.280.11	280	-	25,4
ZD 315*	ZD.315.11	315	-	28,6

\* other producers

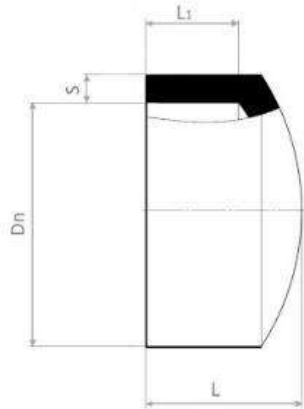
## SPIGOT END CAP LONG SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	S <sub>min</sub> [mm]
ZD 75*	ZD.075.17	75	-	4,5
ZD 90*	ZD.090.17	90	-	5,4
ZD 110	GEO.ZD.110.17	110	98	6,6
ZD 125	GEO.ZD.125.17	125	105	7,4
ZD 140*	ZD.140.17	140	-	8,3
ZD 160	GEO.ZD.160.17	160	120	9,5
ZD 180*	ZD.180.17	180	-	10,7
ZD 200*	ZD.200.17	200	-	11,9
ZD 225*	ZD.225.17	225	-	13,4
ZD 250*	ZD.250.17	250	-	14,8
ZD 280*	ZD.280.17	280	-	16,6
ZD 315*	ZD.315.17	315	-	18,7

\* other producers

## SPIGOT END CAP SHORT SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	S <sub>min</sub> [mm]
ZDK 90	ZDK.090.11	90	50	8,2
ZDK 110	ZDK.110.11	110	55	10,0
ZDK 125	ZDK.125.11	125	60	11,4
ZDK 140	ZDK.140.11	140	60	12,7
ZDK 160	ZDK.160.11	160	80	14,6
ZDK 180	ZDK.180.11	180	60	16,4
ZDK 200	ZDK.200.11	200	60	18,2
ZDK 225	ZDK.225.11	225	60	20,5
ZDK 250	ZDK.250.11	250	60	22,7
ZDK 280	ZDK.280.11	280	75	25,4
ZDK 315	ZDK.315.11	315	75	28,6

\* other producers

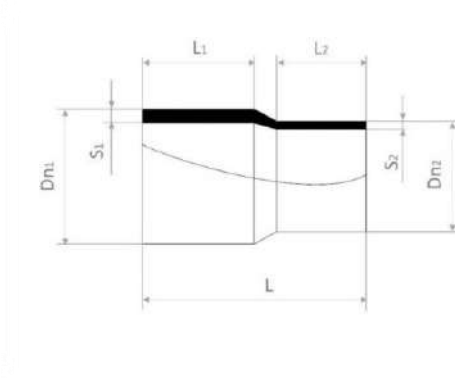
## SPIGOT END CAP SHORT SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	S <sub>min</sub> [mm]
ZDK 90	ZDK.090.17	90	50	5,4
ZDK 110	ZDK.110.17	110	55	6,6
ZDK 125	ZDK.125.17	125	60	7,4
ZDK 140	ZDK.140.17	140	60	8,3
ZDK 160	ZDK.160.17	160	80	9,5
ZDK 180	ZDK.180.17	180	60	10,7
ZDK 200	ZDK.200.17	200	60	11,9
ZDK 225	ZDK.225.17	225	60	13,4
ZDK 250	ZDK.250.17	250	60	14,8
ZDK 280	ZDK.280.17	280	75	16,6
ZDK 315	ZDK.315.17	315	75	18,7

\* other producers

## SPIGOT REDUCER LONG SDR 11

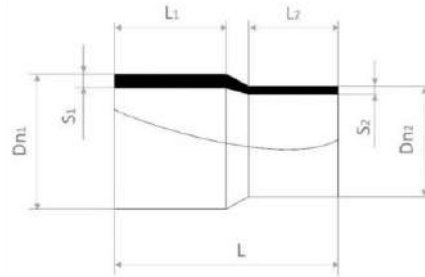


16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn / Dn <sub>1</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
RD 63/32*	RD.063032.11	63/32	136	65	53	5,8/3,0
RD 63/40*	RD.063040.11	63/40	130	65	57	5,8/3,7
RD 63/50*	RD.063050.11	63/50	150	65	63	5,8/4,6
RD 75/63*	RD.075063.11	75/63	147	72	65	6,8/5,8
RD 90/63*	RD.090063.11	90/63	160	81	65	8,2/5,8
RD 90/75*	RD.090075.11	90/75	163	81	70	8,2/6,8
RD 110/63*	RD.110063.11	110/63	179	86	65	10,0/5,8
RD 110/75*	RD.110075.11	110/75	177	86	70	10,0/6,8
RD 110/90	GEO.RD.110090.11	110/90	176	90	89	10,0/8,2
RD 125/63*	RD.126063.11	125/63	187	87	63	11,4/5,8
RD 125/90*	RD.125090.11	125/90	192	92	81	11,4/8,2
RD 125/110*	RD.125110.11	125/110	193	92	86	11,4/10,0
RD 140/90*	RD.140090.11	140/90	245	110	79	12,7/8,2
RD 140/110*	RD.140110.11	140/110	245	110	88	12,7/10,0
RD 140/125*	RD.140125.11	140/125	245	110	90	12,7/11,4
RD 160/90*	RD.160090.11	160/90	218	120	79	14,6/8,2
RD 160/110*	RD.160110.11	160/110	225	102	86	14,6/10,0
RD 160/125*	RD.160125.11	160/125	229	102	90	14,6/11,4
RD 160/140*	RD.160140.11	160/140	229	120	110	14,6/12,7
RD 180/90*	RD.180090.11	180/90	240	105	79	16,4/8,2
RD 180/110*	RD.180110.11	180/110	270	105	82	16,4/10,0
RD 180/125*	RD.180125.11	180/125	270	107	92	16,4/11,4
RD 180/160*	RD.180160.11	180/160	270	120	110	16,4/14,6
RD 200/160*	RD.200160.11	200/160	260	117	102	18,2/14,6
RD 200/180*	RD.200180.11	200/180	265	117	107	18,2/16,4
RD 225/110*	RD.225110.11	225/110	300	130	94	20,5/10,0
RD 225/160*	RD.225160.11	225/160	305	122	102	20,5/14,6
RD 225/180*	RD.225180.11	225/180	310	122	107	20,5/16,4
RD 225/200*	RD.225200.11	225/200	300	122	117	20,5/18,2
RD 250/160*	RD.250160.11	250/160	320	130	100	22,7/14,6
RD 250/180*	RD.250180.11	250/180	335	130	105	22,7/16,4
RD 250/200*	RD.250200.11	250/200	320	130	112	22,7/18,2
RD 250/225*	RD.250225.11	250/225	320	130	120	22,7/20,5
RD 280/225*	RD.280225.11	280/225	355	140	120	25,4/20,5
RD 280/250*	RD.280250.11	280/250	355	140	130	25,4/22,7
RD 315/225*	RD.315225.11	315/225	375	150	120	28,6/20,5
RD 315/250*	RD.315250.11	315/250	375	150	130	28,6/22,7
RD 315/280*	RD.315280.11	315/280	380	150	139	28,6/25,4

\* other producers

## SPIGOT REDUCER LONG SDR 17



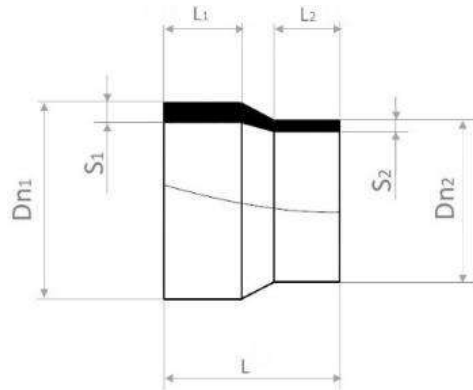
10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn / Dn <sub>1</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
RD 63/32*	RD.063032.11	63/32	136	65	53	3,8/3,0
RD 63/40*	RD.063040.11	63/40	130	65	57	3,8/2,4
RD 63/50*	RD.063050.11	63/50	150	65	63	3,8/3,0
RD 75/63*	RD.075063.11	75/63	147	72	65	4,5/3,8
RD 90/63*	RD.090063.11	90/63	160	81	65	5,4/3,8
RD 90/75*	RD.090075.11	90/75	163	81	70	5,4/4,5
RD 110/63*	RD.110063.11	110/63	179	86	65	6,6/3,8
RD 110/75*	RD.110075.11	110/75	177	86	70	6,6/4,5
RD 110/90	GEO.RD.110090.11	110/90	176	90	89	6,6/5,4
RD 125/63*	RD.126063.11	125/63	187	87	63	7,4/3,8
RD 125/90*	RD.125090.11	125/90	192	92	81	7,4/5,4
RD 125/110*	RD.125110.11	125/110	193	92	86	7,4/6,6
RD 140/90*	RD.140090.11	140/90	245	110	79	8,3/5,4
RD 140/110*	RD.140110.11	140/110	245	110	88	8,3/6,6
RD 140/125*	RD.140125.11	140/125	245	110	90	8,3/7,4
RD 160/90*	RD.160090.11	160/90	218	120	79	9,5/5,4
RD 160/110*	RD.160110.11	160/110	225	102	86	9,5/6,6
RD 160/125*	RD.160125.11	160/125	229	102	90	9,5/7,4
RD 160/140*	RD.160140.11	160/140	229	120	110	9,5/8,3
RD 180/90*	RD.180090.11	180/90	240	105	79	16,4/8,2
RD 180/110*	RD.180110.11	180/110	270	105	82	10,7/6,6
RD 180/125*	RD.180125.11	180/125	270	107	92	10,7/7,4
RD 180/160*	RD.180160.11	180/160	270	120	110	10,7/9,5
RD 200/160*	RD.200160.11	200/160	260	117	102	11,9/9,5
RD 200/180*	RD.200180.11	200/180	265	117	107	11,9/10,7
RD 225/110*	RD.225110.11	225/110	300	130	94	13,4/6,6
RD 225/160*	RD.225160.11	225/160	305	122	102	13,4/9,5
RD 225/180*	RD.225180.11	225/180	310	122	107	13,4/10,7
RD 225/200*	RD.225200.11	225/200	300	122	117	13,4/11,9
RD 250/160*	RD.250160.11	250/160	320	130	100	14,8/9,5
RD 250/180*	RD.250180.11	250/180	335	130	105	14,8/10,7
RD 250/200*	RD.250200.11	250/200	320	130	112	14,8/11,9
RD 250/225*	RD.250225.11	250/225	320	130	120	14,8/13,4
RD 280/225*	RD.280225.11	280/225	355	140	120	16,6/13,4
RD 280/250*	RD.280250.11	280/250	355	140	130	16,6/14,8
RD 315/225*	RD.315225.11	315/225	375	150	120	18,7/13,4
RD 315/250*	RD.315250.11	315/250	375	150	130	18,7/14,8
RD 315/280*	RD.315280.11	315/280	380	150	139	18,7/16,6

\* other producers




## SPIGOT REDUCER SHORT SDR 11

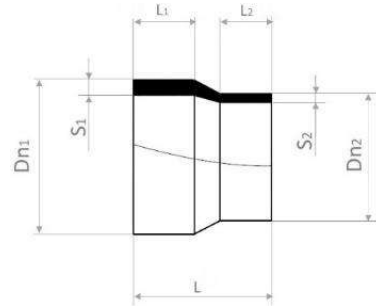


16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn / Dn <sub>1</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	L <sub>2</sub> [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
RDK 90/63	RDK.090063.11	90/63	130	45	55	8,2/5,8
RDK 90/75	RDK.090075.11	90/75	130	45	55	8,2/6,8
RDK 110/63	RDK.110063.11	110/63	140	50	55	10,0/5,8
RDK 110/75	RDK.110075.11	110/75	140	50	55	10,0/6,8
RDK 125/63	RDK.125063.11	125/63	120	40	40	11,4/5,8
RDK 125/75	RDK.125075.11	125/75	120	40	50	11,4/6,8
RDK 125/90	RDK.125090.11	125/90	120	40	50	11,4/8,2
RDK 125/110	RDK.125110.11	125/110	115	40	50	11,4/10,0
RDK 160/63	RDK.160063.11	160/63	130	50	45	14,6/5,8
RDK 160/75	RDK.160075.11	160/75	130	50	45	14,6/6,8
RDK 160/90	RDK.160090.11	160/90	130	45	45	14,6/8,2
RDK 160/110	RDK.160110.11	160/110	150	60	60	14,6/10,0
RDK 160/125	RDK.160125.11	160/125	135	50	50	14,6/11,4
RDK 160/140	RDK.160140.11	160/140	135	50	50	14,6/12,7
RDK 180/160	RDK.180160.11	180/160	120	50	40	16,4/14,6
RDK 200/160	RDK.200160.11	200/160	145	60	50	18,2/14,6
RDK 200/180	RDK.200180.11	200/180	110	60	40	18,2/16,4
RDK 225/160	RDK.225160.11	225/160	145	60	50	20,5/14,6
RDK 225/180	RDK.225180.11	225/180	110	50	40	20,5/16,4
RDK 225/200	RDK.225200.11	225/200	110	50	40	20,5/18,2

\* other producers 

## SPIGOT REDUCER SHORT SDR 17

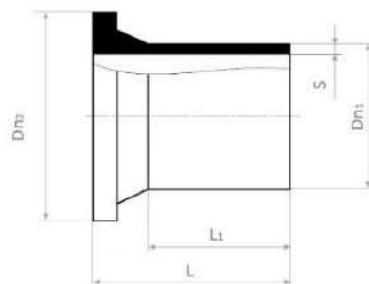


10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn / Dn1 [mm]	L [mm]	L1 [mm]	L2 [mm]	S <sub>min</sub> / S <sub>1min</sub> [mm]
RDK 90/63	RDK.090063.17	90/63	130	45	55	5,4/3,8
RDK 90/75	RDK.090075.17	90/75	130	45	55	5,4/4,5
RDK 110/63	RDK.110063.17	110/63	140	50	55	6,6/3,8
RDK 110/75	RDK.110075.17	110/75	140	50	55	6,6/4,5
RDK 125/63	RDK.125063.17	125/63	120	40	40	7,4/3,8
RDK 125/75	RDK.125075.17	125/75	120	40	50	7,4/4,5
RDK 125/90	RDK.125090.17	125/90	120	40	50	7,4/5,4
RDK 125/110	RDK.125110.17	125/110	115	40	50	7,4/6,6
RDK 160/63	RDK.160063.17	160/63	130	50	45	9,5/3,8
RDK 160/75	RDK.160075.17	160/75	130	50	45	9,5/4,5
RDK 160/90	RDK.160090.17	160/90	130	45	45	9,5/5,4
RDK 160/110	RDK.160110.17	160/110	150	60	60	9,5/6,6
RDK 160/125	RDK.160125.17	160/125	135	50	50	9,5/7,4
RDK 160/140	RDK.160140.17	160/140	135	50	50	9,5/8,3
RDK 180/160	RDK.180160.17	180/160	120	50	40	10,7/9,5
RDK 200/160	RDK.200160.17	200/160	145	60	50	11,9/9,5
RDK 200/180	RDK.200180.17	200/180	110	60	40	11,9/10,7
RDK 225/160	RDK.225160.17	225/160	145	60	50	13,4/9,5
RDK 225/180	RDK.225180.17	225/180	110	50	40	13,4/10,7
RDK 225/200	RDK.225200.17	225/200	110	50	40	13,4/11,9

\* other producers 

## SPIGOT FLANGE ADAPTOR LONG SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn <sub>1</sub> [mm]	Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
TK 32	GEO.TK.032.11	32	68	103	63	3,0
TK 40	GEO.TK.040.11	40	78	105	63	3,7
TK 50	GEO.TK.050.11	50	87	103	68	4,6
TK 63	GEO.TK.063.11	63	101	118	77	5,8
TK 75	GEO.TK.075.11	75	121	116	76	6,8
TK 90	GEO.TK.090.11	90	135	141	101	8,2
TK 110	GEO.TK.110.11	110	157	157	119	10,0
TK 125	GEO.TK.125.11	125	157	172	122	11,4
TK 140	GEO.TK.140.11	140	188	185	134	12,7
TK 160	GEO.TK.160.11	160	209	191	144	14,6
TK 180*	TK.180.11	180	-	-	-	16,4
TK 200*	TK.200.11	200	-	-	-	18,2
TK 225*	TK.225.11	225	-	-	-	20,5
TK 250*	TK.250.11	250	-	-	-	22,7
TK 280*	TK.280.11	280	-	-	-	25,4
TK 315*	TK.315.11	315	-	-	-	28,6

\* other producers

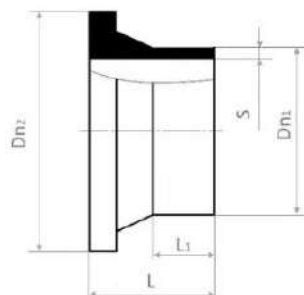
## SPIGOT FLANGE ADAPTOR LONG SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn <sub>1</sub> [mm]	Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
TK 50	GEO.TK.050.17	50	87	103	68	3,0
TK 63	GEO.TK.063.17	63	101	118	77	3,8
TK 75	GEO.TK.075.17	75	121	116	76	4,5
TK 90	GEO.TK.090.17	90	135	141	101	5,4
TK 110	GEO.TK.110.17	110	157	157	119	6,6
TK 125	GEO.TK.125.17	125	157	172	122	7,4
TK 140	GEO.TK.140.17	140	188	185	134	8,3
TK 160	GEO.TK.160.17	160	209	191	144	9,5
TK 180*	TK.180.17	180	-	-	-	10,7
TK 200*	TK.200.17	200	-	-	-	11,9
TK 225*	TK.225.17	225	-	-	-	13,4
TK 250*	TK.250.17	250	-	-	-	14,8
TK 280*	TK.280.17	280	-	-	-	16,6
TK 315*	TK.315.17	315	-	-	-	18,7

\* other producers

## SPIGOT FLANGE ADAPTOR SHORT SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn <sub>1</sub> [mm]	Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
TKK 110	GEO.TKK.110.11	110	157	109	60	10,0
TKK 125	GEO.TKK.125.11	125	157	109	60	11,4
TKK 160	GEO.TKK.160.11	160	209	112	60	14,6
TKK 200*	TKK.200.11	200	268	150	90	18,2
TKK 225*	TKK.225.11	225	268	160	100	20,5
TKK 250*	TKK.250.11	250	320	160	90	22,7
TKK 280*	TKK.280.11	280	320	160	100	25,4
TKK 315*	TKK.315.11	315	370	160	70	28,6
TKK 355*	TKK.355.11	355	430	130	70	32,3
TKK 400*	TKK.400.11	400	782	120	70	36,3
TKK 450*	TKK.450.11	450	585	120	60	40,9
TKK 500*	TKK.500.11	500	585	130	60	45,4
TKK 560*	TKK.560.11	560	685	130	60	50,8
TKK 630*	TKK.630.11	630	685	130	55	57,2

\* other producers

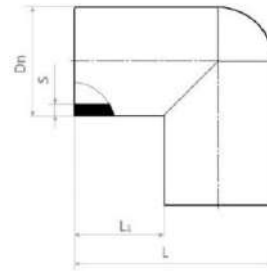
## SPIGOT FLANGE ADAPTOR SHORT SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn <sub>1</sub> [mm]	Dn <sub>2</sub> [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
TKK 110	GEO.TKK.110.17	110	157	109	60	6,6
TKK 125	GEO.TKK.125.17	125	157	109	60	7,4
TKK 160	GEO.TKK.160.17	160	209	112	60	9,5
TKK 200*	TKK.200.17	200	268	150	90	11,9
TKK 225*	TKK.225.17	225	268	160	100	13,4
TKK 250*	TKK.250.17	250	320	160	90	14,8
TKK 280*	TKK.280.17	280	320	160	100	16,6
TKK 315*	TKK.315.17	315	370	160	70	18,7
TKK 355*	TKK.355.17	355	430	130	70	21,1
TKK 400*	TKK.400.17	400	782	120	70	23,7
TKK 450*	TKK.450.17	450	585	120	60	26,7
TKK 500*	TKK.500.17	500	585	130	60	29,7
TKK 560*	TKK.560.17	560	685	130	60	33,2
TKK 630*	TKK.630.17	630	685	130	55	37,4

\* other producers

## SPIGOT ELBOW 90° SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
KD 63/90*	KD.063090.11	63	127	65	5,8
KD 75/90*	KD.075090.11	75	160	74	6,8
KD 90/90*	KD.090090.11	90	181	79	8,2
KD 110/90*	KD.110090.11	110	211	85	10,0
KD 125/90	GEO.KD.125090.11	125	227	90	11,4
KD 140/90	GEO.KD.140090.11	140	252	100	12,7
KD 160/90	GEO.KD.160090.11	160	272	100	14,6
KD 180/90*	KD.180090.11	180	312	107	16,4
KD 200/90*	KD.200090.11	200	350	117	18,2
KD 225/90*	KD.225090.11	225	385	158	20,5
KD 250/90*	KD.250090.11	250	434	180	22,7
KD 280/90*	KD.280090.11	280	480	200	25,4
KD 315/90*	KD.315090.11	315	544	210	28,6

\* other producers

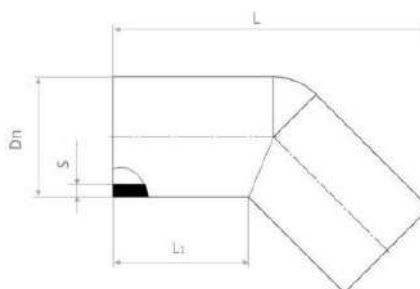
## SPIGOT ELBOW 90° SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
KD 63/90*	KD.063090.11	63	127	65	3,8
KD 75/90	GEO.KD.075090.11	75	160	74	4,5
KD 90/90*	KD.090090.11	90	181	79	5,4
KD 110/90*	KD.110090.11	110	211	85	6,6
KD 125/90	GEO.KD.125090.11	125	227	90	7,4
KD 140/90	GEO.KD.140090.11	140	252	100	8,3
KD 160/90	GEO.KD.160090.11	160	272	100	9,5
KD 180/90*	KD.180090.11	180	312	107	10,7
KD 200/90*	KD.200090.11	200	350	117	11,9
KD 225/90*	KD.225090.11	225	385	158	13,4
KD 250/90*	KD.250090.11	250	434	180	14,8
KD 280/90*	KD.280090.11	280	480	200	16,6
KD 315/90*	KD.315090.11	315	544	210	18,7

\* other producers

## SPIGOT ELBOW 45 SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
KD 63/45*	KD.063045.11	63	170	65	5,8
KD 75/45	KD.075045.11	75	229	74	6,8
KD 90/45	KD.090045.11	90	243	83	8,2
KD 110/45	KD.110090.11	110	251	87	10,0
KD 125/45	KD.125045.11	125	278	93	11,4
KD 140/45	KD.140045.11	140	294	100	12,7
KD 160/45	KD.160045.11	160	317	111	14,6
KD 180/45*	KD.180045.11	180	355	107	16,4
KD 200/45*	KD.200045.11	200	385	117	18,2
KD 225/45*	KD.225045.11	225	430	122	20,5
KD 250/45*	KD.250045.11	250	465	155	22,7
KD 280/45*	KD.280045.11	280	505	168	25,4
KD 315/45*	KD.315045.11	315	565	177	28,6

\* other producers

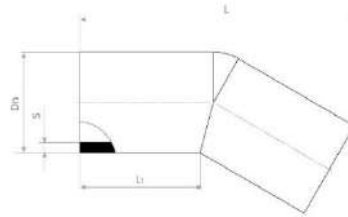
## SPIGOT ELBOW 45 SDR 11

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
KD 63/45	KD.063045.17	63	170	65	3,8
KD 75/45	KD.075045.17	75	229	74	4,5
KD 90/45	KD.090045.17	90	243	83	5,4
KD 110/45	KD.110090.17	110	251	87	6,6
KD 125/45	KD.125045.17	125	278	93	7,4
KD 140/45	KD.140045.17	140	294	100	8,3
KD 160/45	KD.160045.17	160	317	111	9,5
KD 180/45	KD.180045.17	180	355	107	10,7
KD 200/45	KD.200045.17	200	385	117	11,9
KD 225/45	KD.225045.17	225	430	122	13,4
KD 250/45	KD.250045.17	250	465	155	14,8
KD 280/45	KD.280045.17	280	505	168	16,6
KD 315/45	KD.315045.17	315	565	177	18,7

\* other producers

## SPIGOT ELBOW 30 SDR 11



16 bar WATER, 10 bar GAS

Product code	Catalogue number	Dn [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
<b>KD 75/30</b>	KD.075030.11	75	77	6,8
<b>KD 90/30</b>	KD.090030.11	90	85	8,2
<b>KD 110/30</b>	KD.110030.11	110	96	10,0
<b>KD 125/30</b>	KD.125030.11	125	102	11,4
<b>KD 140/30</b>	KD.140030.11	140	110	12,7
<b>KD 160/30</b>	KD.160030.11	160	112	14,6
<b>KD 180/30</b>	KD.180030.11	180	116	16,4
<b>KD 200/30</b>	KD.200030.11	200	122	18,2
<b>KD 225/30</b>	KD.225030.11	225	129	20,5

\* other producers

## SPIGOT ELBOW 30 SDR 17

10 bar WATER, 6 bar GAS

Product code	Catalogue number	Dn [mm]	L <sub>1</sub> [mm]	S <sub>min</sub> [mm]
<b>KD 75/30</b>	KD.075030.11	75	77	4,5
<b>KD 90/30</b>	KD.090030.11	90	85	5,4
<b>KD 110/30</b>	KD.110030.11	110	96	6,6
<b>KD 125/30</b>	KD.125030.11	125	102	7,4
<b>KD 140/30</b>	KD.140030.11	140	110	8,3
<b>KD 160/30</b>	KD.160030.11	160	112	9,5
<b>KD 180/30</b>	KD.180030.11	180	116	10,7
<b>KD 200/30</b>	KD.200030.11	200	122	11,9
<b>KD 225/30</b>	KD.225030.11	225	129	13,4

\* other producers

## PE/BRASS MALE THREADED TRANSITION FITTING

16 bar WATER, 10 bar GAS

Threads according to EN 10226-1



Product code	Catalogue number	Dn [mm]	GZ [cal]
ADT 20 X 1/2" GZ*	ADT.020X1/2.GZ	20	1/2
ADT 25 X 3/4" GZ*	ADT.025X3/4.GZ	25	3/4
ADT 32 X 3/4" GZ*	ADT.032X3/4.GZ	32	3/4
ADT 32 X 1" GZ	GEO.ADT.032X1.GZ	32	1
ADT 32 X 1 1/2" GZ*	ADT.032X1 1/2.GZ	32	1 1/2
ADT 40 X 1" GZ*	ADT.040X1.GZ	40	1
ADT 40 X 1 1/4" GZ*	ADT.040X1 1/4.GZ	40	1 1/4
ADT 50 X 1 1/2" GZ*	ADT.050X1 1/2.GZ	50	1 1/2
ADT 50 X 2" GZ*	ADT.050X2.GZ	50	2
ADT 63 X 1 1/2" GZ*	ADT.063X1 1/2.GZ	63	1 1/2
ADT 63 X 2" GZ	GEO.ADT.063X2.GZ	63	2
ADT 75 X 2 1/2" GZ*	ADT.075X2 1/2.GZ	75	2 1/2
ADT 90 X 3" GZ*	ADT.090X3.GZ	90	3
ADT 110 X 4" GZ*	ADT.110X4.GZ	110	4
ADT 125 X 4" GZ*	ADT.125X4.GZ	125	4

\* other producers

## PE/BRASS FEMALE THREADED TRANSITION FITTING

16 bar WATER, 10 bar GAS

Threads according to EN 10226-1



Product code	Catalogue number	Dn [mm]	GZ [cal]
ADT 20 X 1/2" GW	ADT.020X1/2.GW	20	1/2
ADT 25 X 3/4" GW	ADT.025X3/4.GW	25	3/4
ADT 32 X 1" GW	ADT.032X1.GW	32	1
ADT 40 X 1" GW	ADT.040X1.GW	40	1
ADT 40 X 1 1/4" GW	ADT.040X1 1/4.GW	40	1 1/4
ADT 50 X 1 1/2" GW	ADT.050X1 1/2.GW	50	1 1/2
ADT 63 X 1 1/2" GW	ADT.063X1 1/2.GW	63	1 1/2
ADT 63 X 2" GW	ADT.063X2.GW	63	2
ADT 75 X 2 1/2" GW	ADT.075X2 1/2.GW	75	2 1/2

\* other producers



## PE/STEEL TRANSITION GAS



Pipe type

Dn [mm]	Catalogue number
25/20	PE/ST.25/20.G.R
32/25	PE/ST.32/25.G.R
40/32	PE/ST.40/32.G.R
40/40	PE/ST.40/40.G.R
50/40	PE/ST.50/40.G.R
63/50	PE/ST.63/50.G.R
75/63	PE/ST.75/63.G.R
90/80	PE/ST.90/80.G.R
110/100	PE/ST.110/100.G.R
125/100	PE/ST.125/100.G.R
140/125	PE/ST.140/125.G.R
160/150	PE/ST.160/150.G.R
180/150	PE/ST.180/150.G.R
200/200	PE/ST.200/200.G.R
225/200	PE/ST.225/200.G.R
250/200	PE/ST.250/200.G.R
250/250	PE/ST.250/250.G.R
280/250	PE/ST.280/250.G.R
315/250	PE/ST.315/250.G.R
315/300	PE/ST.315/300.G.R

\* other producers 

Flange type

Dn [mm]	Catalogue number
32/25	PE/ST.32/25.G.K
40/32	PE/ST.40/32.G.K
50/40	PE/ST.50/40.G.K
63/50	PE/ST.63/50.G.K
75/65	PE/ST.75/65.G.K
90/80	PE/ST.90/80.G.K
110/100	PE/ST.110/100.G.K
125/100	PE/ST.125/100.G.K
140/125	PE/ST.140/125.G.K
160/150	PE/ST.160/150.G.K
180/150	PE/ST.180/150.G.K
200/200	PE/ST.200/200.G.K
225/200	PE/ST.225/200.G.K
250/200	PE/ST.250/200.G.K
250/250	PE/ST.250/250.G.K
280/250	PE/ST.280/250.G.K
315/250	PE/ST.315/250.G.K
315/300	PE/ST.315/300.G.K

\* other producers 

## PE/STEEL TRANSITION WATER



Pipe type

Dn [mm]	Catalogue number
25/20	PE/ST.25/20.W.R
32/25	PE/ST.32/25.W.R
40/32	PE/ST.40/32.W.R
40/40	PE/ST.40/40.W.R
50/40	PE/ST.50/40.W.R
63/50	PE/ST.63/50.W.R
75/63	PE/ST.75/63.W.R
90/80	PE/ST.90/80.W.R
110/100	PE/ST.110/100.W.R
125/100	PE/ST.125/100.W.R
140/125	PE/ST.140/125.W.R
160/150	PE/ST.160/150.W.R
180/150	PE/ST.180/150.W.R
200/200	PE/ST.200/200.W.R
225/200	PE/ST.225/200.W.R
250/200	PE/ST.250/200.W.R
250/250	PE/ST.250/250.W.R
280/250	PE/ST.280/250.W.R
315/250	PE/ST.315/250.W.R
315/300	PE/ST.315/300.W.R

\* other producers

Flange type

Dn [mm]	Catalogue number
32/25	PE/ST.32/25.W.K
40/32	PE/ST.40/32.W.K
50/40	PE/ST.50/40.W.K
63/50	PE/ST.63/50.W.K
75/65	PE/ST.75/63.W.K
90/80	PE/ST.90/80.W.K
110/100	PE/ST.110/100.W.K
125/100	PE/ST.125/100.W.K
140/125	PE/ST.140/125.W.K
160/150	PE/ST.160/125.W.K
180/150	PE/ST.180/150.W.K
200/200	PE/ST.200/200.W.K
225/200	PE/ST.225/200.W.K
250/200	PE/ST.250/200.W.K
250/250	PE/ST.250/250.W.K
280/250	PE/ST.280/250.W.K
315/250	PE/ST.315/250.W.K
315/300	PE/ST.315/300.W.K

\* other producers

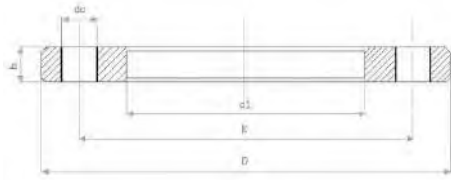
## PIPE TYPE, GALVANIZED, EXTERNAL THREAD



Dn [mm]	Catalogue number
32/25 x 1" GZ	PE/ST.32/25.W.R.GZ1"
40/25 x 1" GZ	PE/ST.40/25.W.R.GZ1"
40/32 x 5/4" GZ	PE/ST.40/32.W.R.GZ5/4"
50/40 x 6/4" GZ	PE/ST.50/40.W.R.GZ6/4"
63/50 x 2" GZ	PE/ST.63/50.W.R.GZ2"
75/65 x 2 1/2" GZ	PE/ST.75/65.W.R.GZ2 1/2"
90/80 x 3" GZ	PE/ST.90/80.W.R.GZ3"
110/100 x 4" GZ	PE/ST.110/100.W.R.GZ4"

\* other producers

## FLANGE BACKING RING

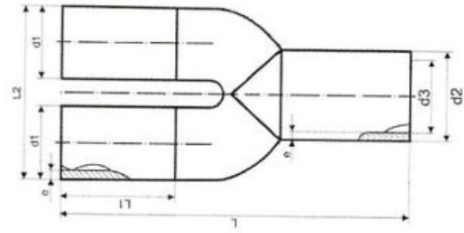
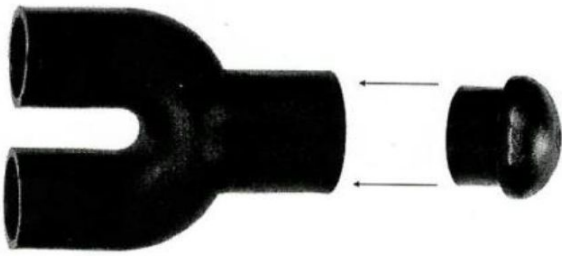


Compliant with ISO 9624

Product code	Catalogue number	Dn [mm]	PE [mm]	D [mm]	d1 [mm]	b [mm]	k [mm]	do [mm]	Holes	Screw	Pressure
KSG 25/32	KSG.025032.10/16	25	32	115	42	14	85	14	4	M12	10/16
KSG 32/40	KSG.032040.10/16	32	40	140	52	14	100	18	4	M16	10/16
KSG 40/50	KSG.040050.10/16	40	50	150	63	16	110	18	4	M16	10/16
KSG 50/63	KSG.050063.10/16	50	63	165	78	16	125	18	4	M16	10/16
KSG 65/75	KSG.065075.10/16	65	75	185	92	16	145	18	4	M16	10/16
KSG 80/90	KSG.080090.10/16	80	90	200	108	18	160	18	8	M16	10/16
KSG 100/110	KSG.100110.10/16	100	110	220	128	18	180	18	8	M16	10/16
KSG 100/125	KSG.100125.10/16	100	125	220	135	18	180	18	8	M16	10/16
KSG 125/140	KSG.125140.10/16	125	140	250	158	18	210	18	8	M16	10/16
KSG 150/160	KSG.150160.10/16	150	160	285	178	20	240	22	8	M20	10/16
KSG 150/180	KSG.150180.10/16	150	180	285	186	20	240	22	8	M20	10/16
KSG 200/200	KSG.200200.10	200	200	340	236	20	295	22	8	M20	10
KSG 200/200	KSG.200200.16	200	200	340	236	23	295	22	12	M20	16
KSG 200/225	KSG.200225.10	200	225	340	238	20	295	22	8	M20	10
KSG 200/225	KSG.200225.16	200	225	340	238	23	295	22	12	M20	16
KSG 250/250	KSG.250250.10	250	250	395	289	24	350	22	12	M20	10
KSG 250/250	KSG.250250.16	250	250	405	289	29	355	26	12	M24	16
KSG 250/280	KSG.250280.10	250	280	395	295	24	350	22	12	M20	10
KSG 250/280	KSG.250280.16	250	280	405	295	29	355	26	12	M24	16
KSG 300/315	KSG.300315.10	300	315	445	339	28	400	22	12	M20	10
KSG 300/315	KSG.300315.16	300	315	460	339	34	410	26	12	M24	16
KSG 350/355	KSG.350355.10	350	355	505	377	30	460	22	16	M20	10
KSG 350/355	KSG.350355.16	350	355	520	376	36	470	26	16	M24	16
KSG 400/400	KSG.400400.10	400	400	565	431	32	515	26	16	M24	10
KSG 400/400	KSG.400400.16	400	400	580	431	41	525	30	16	M27	16

\* other producers

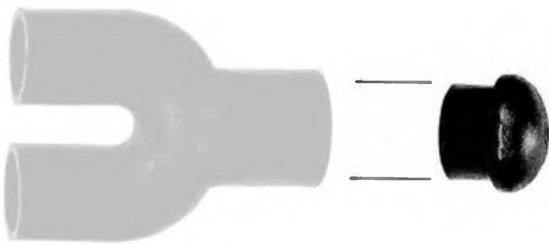
## COUPLER-U



Only for polyfusion connection with end cap-U

Product code	Catalogue number	d1 [mm]	d2 [mm]	d3 [mm]	L [mm]	L1 [mm]	L2 [mm]
<b>MU 32/40</b>	GEO.MU.032040.11	32	40	30	128	44	79
<b>MU 40/50</b>	GEO.MU.040050.11	40	50	40	132	49	94

## END CAP-U



Product code      Catalogue number

<b>ZU 40</b>	<b>ZU.040</b>
<b>ZU 50</b>	<b>ZU.050</b>

## FLAT RUBBER GASKET

Product code	Catalogue number	Dn [mm]
UGP 40	UGP.040	40
UGP 50	UGP.050	50
UGP 65	UGP.065	65
UGP 80	UGP.080	80
UGP 100	UGP.100	100
UGP 125	UGP.125	125
UGP 150	UGP.150	150
UGP 200	UGP.200	200
UGP 250	UGP.250	250
UGP 300	UGP.300	300
UGP 350	UGP.350	350
UGP 400	UGP.400	400
UGP 500	UGP.500	500

\*other producers 



## STEEL INSERT GASKET

Product code	Catalogue number	Dn [mm]
UWS 32	UWS.032	32
UWS 40	UWS.040	40
UWS 50	UWS.050	50
UWS 65	UWS.065	65
UWS 80	UWS.080	80
UWS 100	UWS.100	100
UWS 125	UWS.125	125
UWS 150	UWS.150	150
UWS 200	UWS.200	200
UWS 250	UWS.250	250
UWS 300	UWS.300	300
UWS 350	UWS.350	350
UWS 400	UWS.400	400
UWS 500	UWS.500	500

\*other producers 



## ACCESSORIES

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Electrofusion tapping Tee Key



Hand scraper



PE Pipe Cleaners



Electrofusion Welder





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