GF Piping Systems

+GF+

Product Range International

PE Systems

Utility and Industry



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PE for Utilitiy Systems

Utility Range

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General Information

Packaging

GP	Pieces per Bulk Pack
pcs. pal.	pieces per pallet
kg pal.	weight per pallet
vol. pal.	volume per pallet (including pallet)

Measures, units and short cuts

d, d1, d2	diameter
DN	nominal diameter
L, L1, L2	length
H, H1, H2	height
e, e1, e2	wall thickness
kg	weight
SC	size of bolts
AL	number of bolt holes
S	pipe series
SDR	Standard Dimension Ratio

Working pressure

The pressure rating of Georg Fischer PE-Fittings refers to the calculated values of prEN 12201 and prEN 1555 considering the total security value.
National Regulations and standards have to be observed.

Specification

Georg Fischer Fittings meet the ISO-standards, CEN-standards (respectively draft standards) as well as other national standards.

Approval

The Georg Fischer products are subjected to extensive internal and external tests and are approved by all major institutes and approval authorities
(for example: DVGW, SVGW, KIWA, IIP, Gaz de France, Gas Natural, etc.).

General Conditions of Supply

Please find the General Conditions of Supply on the last page.

Works certificates

Works certificates corresponding EN 10204 2.2 will be delivered on request.
Works certificates corresponding EN 10204 3.1 B will be delivered on request, we will charge CHF 20.– administrative costs.

Quality management Environmental management

Quality management system is well established at Georg Fischer and is continuously improved to satisfy our customers.
Georg Fischer Piping Systems are certified according to ISO 9001 as well as ISO 14001 (Environmental management).

Technical documentation

For further technical information we offer you the Georg Fischer “Technical handbook distribution” and the detailed assembly instructions.

Service, training and consultation

Our comprehensive training program offers you the possibility for extensive advice and training. Please reserve for a our training program for piping systems.

Your partner

Georg Fischer is a world-wide organisation. Please find the address of your Georg Fischer partner on the back cover.

Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standards specified below.

Georg Fischer Piping Systems Ltd.
8201 Schaffhausen, Switzerland

Certified area

Georg Fischer Piping Systems Ltd., Schaffhausen
(ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007)
Georg Fischer Piping Systems (Switzerland) Ltd., Sales Company
(ISO 9001:2008)
Georg Fischer Wavin Ltd., Schaffhausen and Subingen
(ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007)
Georg Fischer JRG Ltd., Sissach
(ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007)
Georg Fischer Fluorpolymer Products GmbH, Ettenheim
(ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007)

Field of activity

GF Piping Systems is a leading supplier of plastic and metal pipe systems with a global market presence.
GF Piping Systems offers connection technology, fittings, fixtures, sensors and pipes and supplies leading innovative technical solutions for domestic engineering applications, industry and utilities.

Standards

ISO 9001:2008	Quality Management System
ISO 14001:2004	Environmental Management System
OHSAS 18001:2007	Occupational Health and Safety Management System

Swiss Association for Quality and Management Systems SQS
Bernstrasse 103, CH-3052 Zollikofen
Issue date: Mai 28, 2012

This SQS Certificate is valid up to and including Mai 27, 2015
Scope number 14
Registration number 10684

X. Edelmann, President SQS

R. Glauser, Managing Director SQS

SCESm 001

Swiss Made

Partner of IQNet

ELGEF Plus APPROVALS



Certification body	Certificate number	Material	Product range	Country
DGS	04 MAT.PA 002	PE 100	Electrofusion couplers	France
DGS	04 MAT.PA 010	PE 100	Fittings, Spigot	France
DIBt	Z-40.23-282	PE 100, PE 80	Electrofusion couplers, Fittings, Butt Fusion - Transition, Fittings, Butt fusion, mm, Fittings, Socket fusion - Transition, Fittings, Socket fusion, mm, Union, Butt Fusion, Union, Socket Fusion	Germany
DIBt	Z-40.23-282	PE 100, PE 80	Electrofusion couplers, Fittings, Butt Fusion - Transition, Fittings, Butt fusion, mm, Fittings, Socket fusion - Transition, Fittings, Socket fusion, mm, Union, Butt Fusion, Union, Socket Fusion	Germany
DS	1594-A	PE 100	Electrofusion couplers, Electrofusion fittings, Electrofusion fittings, Electrofusion saddles	Denmark
DVGW	DV-6611AS2072 (GF)	PE 100	Electrofusion tapping valves	Germany
DVGW	DV-8601AQ3257 (8601)	PE 100, PE 100/Brass, PE 100/Steel, PE 80	Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition	Germany
DVGW	DV-8606AQ3258 (8606)	PE 100, PE 100/Brass, PE 100/Steel, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition	Germany
DVGW	DV-8611AQ3259 (8611)	PE 100, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot	Germany
ETI	2-8-7/58	PE 100, PE 100/Brass, PE 80	Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot, Fittings, Transition , Valves	Estonia
GdF	2002-082/AD	PE 100	Electrofusion fittings	France
GdF	2002-083/AD	PE 100	Fittings, Spigot	France
GdF	2003-033/PH	PE 100	Electrofusion couplers	France
GdF	2003-034/PH	PE 100	Electrofusion saddles	France
GdF	2004-081/AD	PE 100	Electrofusion saddles	France
GdF	95/020-AD	PE 100	Electrofusion couplers	France
GdF	95/052-AD	PE 100	Electrofusion couplers	France
GdF	BTR	PE 100	Valves, plug	France
GdF	PRISES SDG	PE 100	Electrofusion saddles	France

Certification body	Certificate number	Material	Product range	Country
ITC	02 0426 V/AO	PE 100	Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot	Czech Republic
MHEW	Water 2004	Machine, PE 100, PE 80	Electrofusion branch fitting, Electrofusion control units, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Butt fusion, mm	Oman
NIGC	Certificate acc IGS-MS-PL-014 part 2	PE 100	Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Fittings, Spigot	Iran
ON	ON-N 2005 120 ... 130	PE 100, PE 100/Steel	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition	Austria
ÖVGW	G 1.321	PE 100, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Socket fusion, mm, Fittings, Spigot	Austria
ÖVGW	G 2.450	PE 100/Steel	Fittings, Transition	Austria
ÖVGW	W 1.229	PE 100, PE 100/Brass, PE 100/Steel, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Socket fusion, mm, Fittings, Spigot, Fittings, Transition	Austria
PROMNAZOR	7/727-1140	PE 100, PE 80	Electrofusion couplers, Electrofusion saddles, Fittings, Spigot	Kasastan
SVGW	G 02-014-9	PE 100, PE 100/Steel, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition	Switzerland
SVGW	W 9506-K 192	PE 100, PE 100/Brass, PE 100/Steel, PE 80	Electrofusion branch fitting, Electrofusion couplers, Electrofusion fittings, Electrofusion saddles, Electrofusion tapping valves, Fittings, Spigot, Fittings, Transition	Switzerland
WBS	9901515	PE 100	Fittings	United Kingdom
WIS	Test Report acc WIS 4-32-14 Section 7.9	PE 100	Electrofusion couplers	United Kingdom

Modular system ELGEF® Plus

Less stock, higher flexibility, more variations – a contradiction? Not with the ELGEF Plus modular system. It is that easy:

Modular System Saddles


Saddle
Cat. 53 131 000


Tapping-T


Tapping saddle, kit
Cat. 53 131 400


Reducer
Cat. 53 90 16
or coupler
Cat. 53 91 16


Tapping saddle, kit
Cat. 53 132 400


Tapping valve tee


Tapping valve
saddle kit
Cat. 53 153 200


Tapping valve
saddle, kit
Cat. 53 153 000


Stop-off adaptor


Stop-off saddle, kit
Cat. 53 149 000


Spigot with cutter


Spigot saddle,
with cutter, kit
Cat. 53 131 200


Spigot cap


Repair saddle, kit
Cat. 53 130 000


Transition


Adaptor saddle, kit


Transition


Adaptor saddle, kit

The only programme with a modular system

Modular Transition Fitting System


Transition with male
or female thread


Coupler
Cat. 53 91 16


Transition coupler with male
or female thread, kit
Cat. 20 92 07/20 92 02


Reducer
Cat. 53 90 16


Transition reducer
with male thread, kit
Cat. 20 92 07


Elbow 90°
Cat. 53 10 16


Transition elbow 90° with male
or female thread, kit
Cat. 20 10 07/20 10 02


Elbow 45°
Cat. 53 15 16


Transition elbow 45° with male
or female thread, kit
Cat. 20 15 07/20 15 02

Electrofusion couplers and fittings

Technical data

Fusion compatibility

Next to the GF specifications for fusion compatibility the national regulations must be considered. The weakest component defines the max. allowable operating pressure.
All pipes must be in accordance with international regulations. The melt flow rate (MFR) must be between 0.2 and 1.4 g/10 min. National rules and regulations must be adhered to. All data given relates to PE 100 pipes.

Couplers (with integrated clamps from d20 – 63 mm) are used in conjunction with PE pipes and PE spigot fittings. Both socket outlets are fused simultaneously (mono-filament) on couplers ≤ d500 mm. Each socket is fused separately (bi-filament) for couplers of d560 mm and above. Couplers with flex groove design are bi-filament from ≥ d500 mm.

ELGEF Plus - electrofusion couplers SDR11

Pipe ø d [mm]	SDR9 ISO S4	SDR 11 ISO S5	SDR17/ 17.6 ISO S8	SDR 26 ISO S12.5	SDR 33 ISO S16
20	+*	+			
25	+*	+			
32	+*	+			
40	+*	+			
50	+*	+	+**		
63	+*	+	+**		
75	+*	+	+	+**	+**
90	+*	+	+	+**	+**
110	+*	+	+	+**	+**
125	+*	+	+	+**	+**
140	+*	+	+	+**	+**
160	+*	+	+	+**	
180	+*	+	+	+**	
200	+*	+	+	+**	
225	+*	+	+	+**	
250	+*	+	+	+**	
280	+*	+	+	+**	
315	+*	+	+	+**	
355	+*	+	+	+**	
400	+*	+	+	+**	
450		+	+*		
500		+	+*		
560		+	+*		
630		+	+*		

+ suitable

+* conditionally suitable depending on temperature, pressure and medium, but only for water applications. Please contact your local GF contact.

+** conditionally suitable depending on temperature, pressure and medium. Please contact your local GF contact.

ELGEF Plus - electrofusion couplers SDR17

Pipe ø d [mm]	SDR 11 ISO S5	SDR 17/17.6 ISO S8	SDR 26 ISO S12.5	SDR 33 ISO S16
160	+	+	+	+**
180	+	+	+	+**
200	+	+	+	+**
225	+	+	+	+
250	+	+	+	+
280	+	+	+	+
315	+	+	+	+
355	+	+	+	+
400	+	+	+	+
450	+	+	+	+
500	+	+	+	+
560 (Monoring)	+	+	+	+
560 (Flexgroove)	+**	+	+**	
630 (Monoring)	+	+	+	+
630 (Flexgroove)	+**	+	+**	

+ suitable

+** conditionally suitable depending on temperature, pressure and medium. Please contact your local GF contact.

ELGEF Plus - electrofusion fittings SDR11

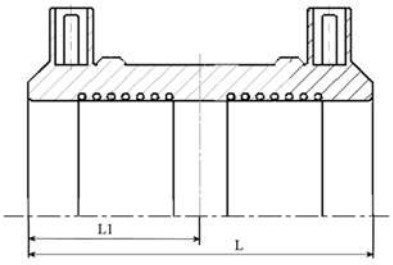
Pipe ø d [mm]	SDR 11 ISO S5	SDR 17/17.6 ISO S8	SDR 26 ISO S12.5	SDR 33 ISO S16
20	+			
25	+			
32	+			
40	+			
50	+	+**		
63	+	+**		
75	+	+**		
90	+	+**	+**	
110	+	+	+**	
125	+	+	+**	
160	+	+	+**	
180	+	+	+**	
200	+	+	+	
225	+	+	+	
250	+	+	+	

+ suitable

+** conditionally suitable depending on temperature, pressure and medium. Please contact your local GF contact.

Insertion depth for couplers and fittings

	Insertion depth L1 [mm]	
d [mm]	SDR11	SDR17
20	34	
25	34	
32	36	
40	40	
50	44	
63	48	
75	55	
90	62	
110	72	
125	79	
140	84	
160	90	
180	95	
200	101	
225	110	
250	122	
280	126	
315	132	
355	122	
400	122	
450	160	145
500	178	145
560	193	196
560 (Flex-groove)		193
630	213	221
630 (Flex-groove)		213



Minimum cooling time for couplers and fittings in minutes

d	SDR	Removal of clamp	Pressure test p ≤ 6 bar	p ≤ 18 bar
[mm]		[min.]	[min.]	[min.]
20-63	11	6	10	30
75-110	11	10	20	60
125-160*	11	20	30	75
180-225**	11	20	45	90
250-315	11	30	60	150
355-400	11	45	90	150
*fittings d 160	11	30	45	90
**fittings d 180	11	30	60	90
450-630	11	60	90	150

p = test pressure

d	SDR	Removal of clamp	Pressure test p ≤ 6 bar	p ≤ 18 bar
[mm]		[min.]	[min.]	[min.]
125-160	17	20	30	75
180-225	17	20	45	90
250-315	17	30	60	150
355-400	17	45	90	150
450-630	17	60	90	150

p = test pressure

Installation sequence up to d63 mm

NOTICE

Defective fusion connection

Insufficient preparations can lead to a defective fusion connection. The functionality and life-time of the product may be affected.

- Adhere to this installation manual, the data in the "Technical Manual for PE Piping Systems in Utilities" and the user manual for fusion units.

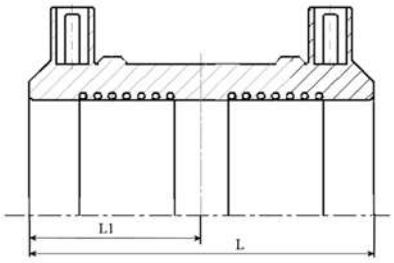
Required tools

- Pipe cutter
- Rotary peeler
- PE cleaner
- Lint-free, colourless and clean cloth
- Yardstick
- Permanent marker
- Screwdriver
- Fusion unit

Overview ELGEF Plus couplers, fittings and transition adaptors

[1] Insertion depth for couplers and fittings

	Insertion depth L1 [mm]	
d [mm]	**SDR11**	**SDR17**
20	34	
25	34	
32	36	
40	40	
50	44	
63	48	
75	55	
90	62	
110	72	
125	79	
140	84	
160	90	
180	95	
200	101	
225	110	
250	122	
280	126	
315	132	
355	122	
400	122	
450		145
500		145
560		196
630		221



[2] Minimum cooling time for couplers and fittings in minutes

d	SDR	Removal of clamp	Pressure test $p \leq 6$ bar $p \leq 18$ bar	
[mm]		[min.]	[min.]	[min.]
20-63	11	6	10	30
75-110	11	10	20	60
125-160*	11	20	30	75
180-225**	11	20	45	90
250-315	11	30	60	150
355-400	11	45	90	150
*fittings d 160	11	30	45	90
**fittings d 180	11	30	60	90

p = test pressure

d	SDR	Removal of clamp	Pressure test $p \leq 6$ bar $p \leq 18$ bar	
[mm]		[min.]	[min.]	[min.]
125-160	17	20	30	75
180-225	17	20	45	90
250-315	17	30	60	150
355-400	17	45	90	150
450-630	17	60	90	150

p = test pressure

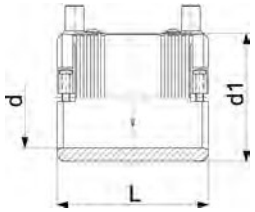
GF Piping Systems

ELGEF Plus Electrofusion System

ELGEF Plus Couplers
ELGEF Plus Electrofusion fittings
ELGEF Plus Transition fittings





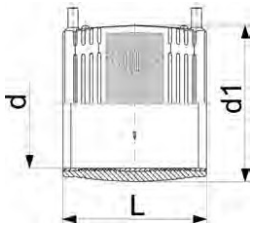


Coupler
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
20	**753 911 606**	0.053	31	70
25	**753 911 607**	0.050	36	70
32	**753 911 608**	0.071	44	72
40	**753 911 609**	0.095	54	80
50	**753 911 610**	0.131	66	88
63	**753 911 611**	0.194	81	96



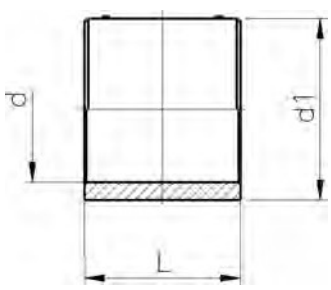


Coupler

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Removable centre stop up to d160

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
75	**753 911 612**	0.282	96	110
90	**753 911 613**	0.406	113	125
110	**753 911 614**	0.692	138	145
125	**753 911 615**	0.718	154	156
140	**753 911 616**	0.945	172	166
160	**753 911 617**	1.362	196	180
180	**753 911 618**	1.747	219	192
200	**753 911 619**	1.866	244	208
225	**753 911 620**	3.329	273	225
250	**753 911 621**	4.678	304	248
280	**753 911 622**	7.500	340	252
315	**753 911 623**	8.142	382	267





Coupler

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With active reinforcement

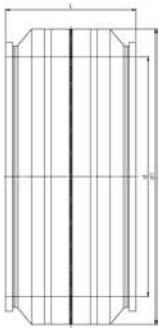
d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
355	**753 911 704**	13.098	438	291
400	**753 911 705**	18.320	493	295
450	**753 911 706**	24.700	554	327
500	**753 911 707**	33.700	616	358
560	**753 911 708**	46.200	689	396
630	**753 911 709**	65.300	775	440
710	**753 911 710**	87.400	874	463
800	**753 911 711**	114.500	982	484



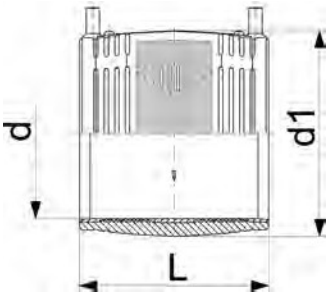
Coupler

- **PE 100 SDR 11** (ISO S5)
- 16 bar Water
- Only for water applications
- 4 mm pin connectors

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	SDR pipe
900	**753 911 652**	137.930	1110	550	11





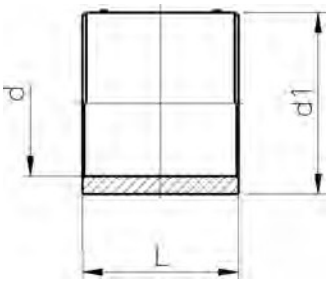


Coupler

- **PE 100 SDR 17** (ISO S8)
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- d160 with removable centre stop

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
160	**753 911 817**	1.017	186	180
180	**753 911 818**	1.434	213	192
200	**753 911 819**	1.726	233	206
225	**753 911 820**	2.545	261	225
250	**753 911 821**	4.616	304	248
280	**753 911 822**	5.606	340	252
315	**753 911 823**	6.100	382	267



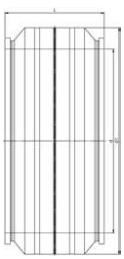


Coupler

- **PE 100 SDR 17 (ISO S8)**
- 5 bar Gas / 10 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- With active reinforcement

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
355	**753 911 804**	9.522	416	291
400	**753 911 805**	18.000	467	295
450	**753 911 806**	16.000	526	327
500	**753 911 807**	22.000	584	358
560	**753 911 808**	34.000	647	396
630	**753 911 809**	35.000	727	440
710	**753 911 810**	55.600	820	463
800	**753 911 811**	73.000	922	484





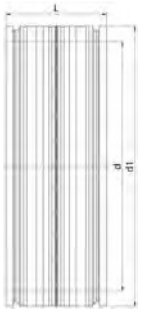
Coupler

- **PE 100 SDR 17** (ISO S8)
- 10 bar water
- Only for water applications
- 4 mm pin connectors

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	SDR pipe
900	**753 911 852**	93.150	1030	550	17
1000	**753 911 853**	125.650	1143	600	17
1200	**753 911 854**	196.450	1370	650	17

Coupler

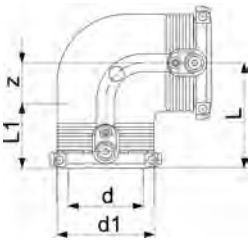




- **PE 100 SDR 26 (ISO S12.5)**
- 6 bar water
- Only for water applications
- 4 mm pin connectors

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	SDR pipe
710	**753 911 950**	31.920	797	360	26
800	**753 911 951**	42.800	897	380	26
900	**753 911 952**	57.580	1009	400	26
1000	**753 911 953**	79.270	1121	440	26
1200	**753 911 954**	125.700	1345	480	26



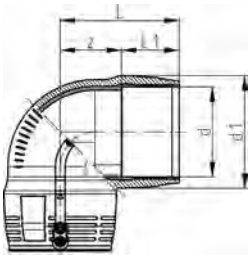


Elbow 90°
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
20	**753 101 606**	0.080	35	54	34	20
25	**753 101 607**	0.068	35	54	34	20
32	**753 101 608**	0.098	44	53	36	17
40	**753 101 609**	0.141	54	62	39	23
50	**753 101 610**	0.200	66	71	43	28
63	**753 101 611**	0.318	81	81	48	32



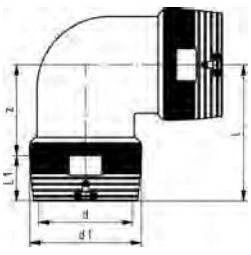


Elbow 90°

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
75	**753 101 612**	0.415	97	94	54	40
90	**753 101 813**	0.828	115	122	62	60
110	**753 101 814**	1.224	140	147	72	76
125	**753 101 815**	1.742	160	155	77	68
160	**753 101 817**	3.830	196	191	92	103
180	**753 101 818**	5.410	219	210	96	114



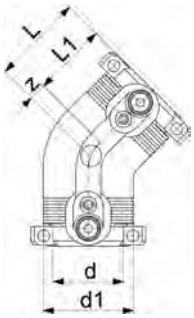


Elbow 90°

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
200	**753 101 819**	9.320	250	298	104	194
225	**753 101 820**	13.220	280	318	112	206
250	**753 101 821**	16.600	310	347	123	224





Elbow 45°
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
32	**753 151 608**	0.075	44	44	36	8
40	**753 151 609**	0.106	54	50	39	11
50	**753 151 610**	0.171	66	56	43	13
63	**753 151 611**	0.252	81	63	48	15



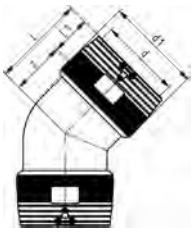


Elbow 45°

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
75	**753 151 612**	0.332	97	71	54	17
90	**753 151 813**	0.583	115	91	62	29
110	**753 151 814**	0.985	140	112	72	40
125	**753 151 815**	1.438	160	119	78	49
160	**753 151 817**	3.055	196	135	92	42
180	**753 151 818**	4.037	217	144	95	47



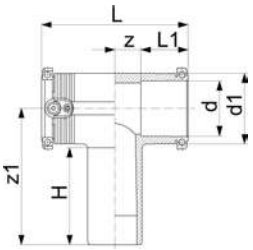


Elbow 45°

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)
200	**753 151 819**	7.566	250	232	104	128
225	**753 151 820**	11.300	280	247	112	135
250	**753 151 821**	13.500	310	275	123	152





Tee 90° equal
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
20	**753 211 606**	0.085	35	88	32	11	92	67
25	**753 211 607**	0.075	35	90	32	11	92	70
32	**753 211 608**	0.118	44	102	34	15	100	74
40	**753 211 609**	0.175	54	119	39	21	114	82
50	**753 211 610**	0.252	66	135	42	24	126	90
63	**753 211 611**	0.407	81	151	46	28	150	102



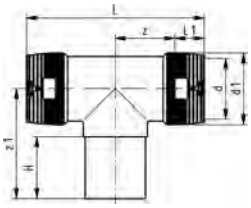


Tee 90° equal

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
75	**753 211 612**	0.569	97	178	54	35	143	87
90	**753 201 813**	0.891	115	205	62	41	161	94
110	**753 201 814**	1.576	140	255	72	56	184	104
125	**753 201 815**	2.212	161	276	78	60	207	113
160	**753 201 817**	4.386	196	325	92	71	206	103
180	**753 201 818**	6.796	225	344	90	82	250	110



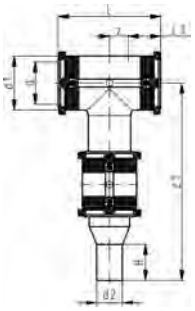


Tee 90° equal

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
200	**753 201 819**	10.800	250	590	104	191	250	117
225	**753 201 820**	15.900	280	636	112	206	270	122
250	**753 201 821**	18.900	310	685	123	220	288	127



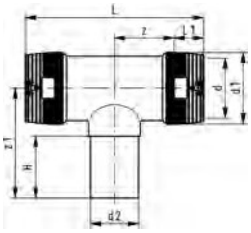


Tee 90° reduced (kit)

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF Plus Coupler and Spigot Reducer

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
40	20	**193 281 004**	0.314	54	120	39	21	244	212
40	25	**193 281 005**	0.319	54	120	39	21	244	212
75	40	**193 280 998**	1.060	97	187	61	33	296	248
90	50	**193 280 999**	1.655	112	202	61	41	336	274
110	63	**193 280 961**	2.812	136	242	65	56	366	293
125	63	**193 280 963**	3.673	151	256	75	53	361	279
125	110	**193 280 965**	3.920	151	256	75	53	389	307
180	90	**193 281 032**	10.891	225	344	90	82	487	347
180	110	**193 281 033**	10.465	225	344	90	82	495	355



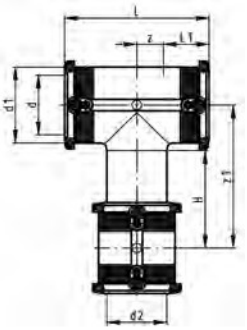


Tee 90° reduced

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
110	90	**753 211 034**	1.652	140	255	72	56	245	80
125	90	**753 211 035**	2.242	156	255	75	53	245	80
160	63	**753 211 037**	5.660	200	493	90	127	176	65
160	90	**753 211 039**	5.508	200	492	90	158	188	79
160	110	**753 211 040**	5.157	200	491	90	158	195	85
200	90	**753 211 059**	9.012	250	595	104	194	215	81
200	110	**753 211 060**	12.400	250	600	104	194	218	84
200	160	**753 211 063**	12.400	250	595	104	194	236	101
225	90	**753 211 069**	13.100	280	666	112	217	226	80
225	110	**753 211 070**	13.100	280	670	112	217	235	85
225	160	**753 211 073**	13.600	280	667	112	217	255	105
250	110	**753 211 080**	11.660	310	709	123	220	245	85
250	160	**753 211 083**	17.070	310	711	123	220	264	101



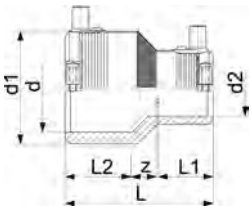


Tee 90° with weldable outlet (kit)
Equal or reduced

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF Plus Coupler or ELGEF Plus Reducer

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	z (mm)	z1 (mm)	H (mm)
20	20	**753 201 606**	0.161	35	90	34	11	92	67
25	25	**753 201 607**	0.122	35	90	34	11	92	70
32	32	**753 201 608**	0.201	44	102	36	15	100	74
40	32	**193 281 006**	0.288	54	120	39	21	127	95
40	40	**753 201 609**	0.285	54	120	39	21	114	82
50	32	**193 281 007**	0.364	66	135	43	24	144	108
50	40	**193 281 008**	0.407	66	135	43	24	140	104
50	50	**753 201 610**	0.389	66	135	43	24	126	90
63	32	**193 280 997**	0.550	81	152	48	28	173	125
63	40	**193 281 009**	0.566	81	152	48	28	169	121
63	50	**193 281 010**	0.628	81	152	48	28	165	117
63	63	**753 201 611**	0.615	81	152	48	28	150	102
90	63	**193 281 011**	1.311	112	202	61	41	182	120
90	90	**753 201 613**	1.342	112	202	61	41	146	84
110	90	**193 281 012**	2.343	136	242	65	56	200	127
110	110	**753 201 614**	2.329	136	242	65	56	161	88
125	90	**193 281 013**	3.146	151	256	75	53	214	132
125	125	**753 201 615**	2.960	151	256	75	53	174	92
160	110	**193 281 030**	7.443	196	325	92	71	271	168
160	160	**753 201 617**	6.359	196	325	92	71	206	103
180	125	**193 281 031**	9.654	225	344	90	82	330	190
180	180	**753 201 618**	8.561	225	344	90	82	250	110



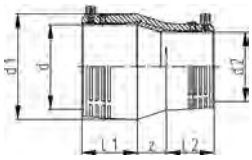


Reducer
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)
25	20	**753 901 639**	0.051	35	74	34	34	6
32	20	**753 901 640**	0.056	44	79	33	36	10
32	25	**753 901 641**	0.062	44	79	33	36	10
40	20	**753 901 644**	0.069	54	88	33	39	15
40	25	**753 901 645**	0.084	54	88	33	39	15
40	32	**753 901 646**	0.095	54	88	33	39	13
50	32	**753 901 651**	0.124	66	96	35	43	18
50	40	**753 901 652**	0.119	66	96	39	43	14
63	32	**753 901 656**	0.158	81	105	35	48	23
63	40	**753 901 657**	0.176	81	105	39	48	19
63	50	**753 901 658**	0.176	81	105	43	48	15



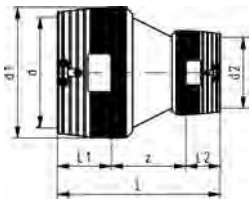


Reducer

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)	Remarks
90	63	**753 901 831**	0.385	113	146	63	47	36	
110	63	**753 901 832**	0.644	140	184	71	58	55	in preparation
110	90	**753 901 833**	0.700	138	173	73	63	38	
125	90	**753 901 836**	0.891	152	180	79	61	40	
160	90	**753 901 839**	1.600	202	227	90	72	65	in preparation
160	110	**753 901 864**	1.783	202	226	90	71	65	
180	125	**753 901 865**	2.340	225	254	96	78	80	



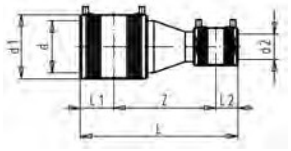


Reducer

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Two separate fusion zones

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)
200	160	**753 901 837**	5.098	250	365	104	90	171
225	160	**753 901 838**	6.000	280	385	112	90	183
225	200	**753 901 845**	8.200	280	400	112	104	184
250	160	**753 901 840**	7.860	310	400	123	90	187
250	200	**753 901 841**	8.480	310	417	123	104	200
250	225	**753 901 842**	8.450	310	430	123	112	204



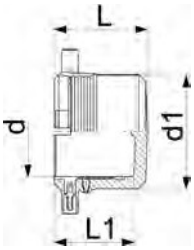


Reducer (kit)

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Integral pipe fixation (up to d63)
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF Plus Coupler and Spigot Reducer

d (mm)	d2 (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)	L2 (mm)	z (mm)
75	40	**193 280 992**	0.574	96	265	55	40	170
75	50	**193 280 993**	0.623	96	269	55	44	170
75	63	**193 280 994**	0.700	96	273	55	48	170
90	50	**193 280 958**	0.857	113	297	63	44	190
90	75	**193 280 995**	1.071	113	308	63	55	190
110	75	**193 280 996**	1.496	138	333	73	55	205
125	63	**193 280 953**	1.567	154	314	79	48	187
125	110	**193 280 951**	2.098	154	367	79	73	215
160	125	**193 280 952**	3.252	196	414	90	79	245
180	110	**193 280 959**	4.167	214	413	95	73	245



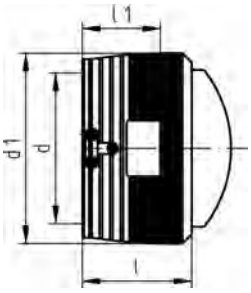


End cap
With integral pipe fixation

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)
20	**753 961 606**	0.041	35	52	44
25	**753 961 607**	0.046	35	52	44
32	**753 961 608**	0.058	44	52	44
40	**753 961 609**	0.064	54	56	47
50	**753 961 610**	0.154	66	60	49
63	**753 961 611**	0.142	81	66	54



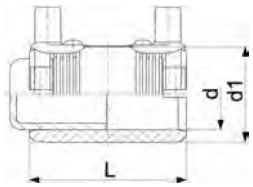


End cap

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	L1 (mm)
160	**753 961 617**	1.782	200	143	90
200	**753 961 619**	3.585	250	162	104
225	**753 961 620**	4.500	280	170	112
250	**753 961 621**	6.300	310	185	123



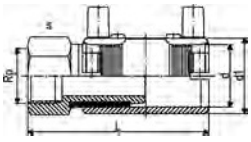


End cap (kit)

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including ELGEF Plus Coupler

d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)
75	**753 961 712**	0.446	96	110
90	**753 961 713**	0.663	113	125
110	**753 961 714**	1.090	133	145
125	**753 961 715**	1.345	155	158
140	**753 961 716**	2.250	175	170
160	**753 961 717**	2.382	197	180
180	**753 961 718**	3.098	220	194
200	**753 961 719**	4.180	245	208
225	**753 961 720**	5.852	296	224



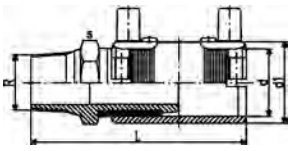


Transition coupler PE/steel (stainless 1.4305)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
20	½	**724 920 256**	0.179	31	100	30
25	¾	**724 920 257**	0.231	36	101	35
32	1	**724 920 258**	0.319	44	108	40
40	1 ¼	**724 920 259**	0.480	54	118	50
50	1 ½	**724 920 260**	0.646	66	126	60
63	2	**724 920 261**	0.931	81	138	70



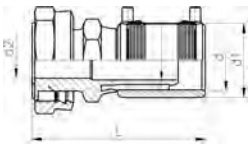


Transition coupler PE/steel (stainless 1.4305)
Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Delivered as a kit. Further combinations: modular system with threaded adapter and (150 228-1) reductions

d (mm)	R (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
20	½	**724 920 756**	0.165	31	110	30
25	¾	**724 920 757**	0.249	36	111	35
32	1	**724 920 758**	0.332	44	117	40
40	1 ¼	**724 920 759**	0.464	54	127	50
40	1 ½	**724 920 772**	0.528	66	143	60
50	1 ½	**724 920 760**	0.611	66	135	60
63	1 ½	**724 920 771**	0.904	81	147	70
63	2	**724 920 761**	0.942	81	147	70



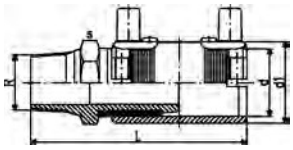


Transition coupler PE/brass (CW617N)
With loose nut

- **PE 100 SDR 11** (ISO S5)
- 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Delivered as a kit. Further combinations: modular system with threaded adapter and (150 228-1) reductions
- Incl. flat gasket for water applications (KTW / WRAS approved)

d (mm)	G (inch)	Code	Weight (kg)	d1 (mm)	d2 (mm)	L (mm)
25	¾	**720 910 007**	0.232	36	15	104
32	1	**720 910 008**	0.297	44	20	110
32	1 ½	**720 910 028**	0.480	44	22	114
50	1 ½	**720 910 010**	0.736	66	29	133
63	1	**720 910 021**	1.013	81	20	137
63	2	**720 910 011**	1.251	81	36	145



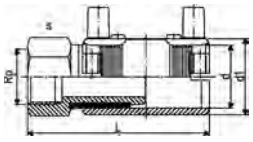


Transition coupler PE/brass (CW617N)
Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

R (inch)	d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
½	20	**720 920 756**	0.187	31	110	30
1	20	**720 920 754**	0.344	44	124	40
¾	25	**720 920 757**	0.254	36	111	35
1	25	**720 920 763**	0.340	44	124	40
½	32	**720 920 764**	0.213	44	121	30
¾	32	**720 920 765**	0.268	44	122	35
1	32	**720 920 758**	0.340	44	117	40
1 ¼	32	**720 920 766**	0.489	54	135	50
1 ½	32	**720 920 767**	0.635	60	143	60
2	32	**720 920 768**	1.000	81	157	70
1	40	**720 920 771**	0.364	54	133	40
1 ¼	40	**720 920 759**	0.514	54	127	50
1 ½	40	**720 920 772**	0.645	66	143	60
2	40	**720 920 773**	0.961	81	157	70
1	50	**720 920 776**	0.367	66	141	40
1 ¼	50	**720 920 777**	0.554	66	143	50
1 ½	50	**720 920 760**	0.652	66	135	60
2	50	**720 920 778**	0.971	81	157	70
1	63	**720 920 781**	0.441	81	151	40
1 ¼	63	**720 920 782**	0.600	81	153	40
1 ½	63	**720 920 783**	0.712	81	153	60
2	63	**720 920 761**	0.943	81	147	70



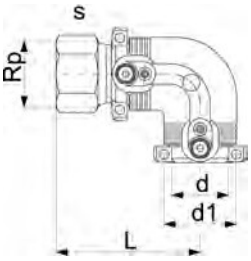


Transition coupler PE/brass (CW617N)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
32	1	**720 920 258**	0.306	44	108	40
40	1 ¼	**720 920 259**	0.496	54	118	50
50	1 ½	**720 920 260**	0.725	66	126	60
63	1	**720 920 281**	1.300	81	138	70
63	1 ¼	**720 920 282**	1.230	81	138	70
63	1 ½	**720 920 283**	1.134	81	138	70
63	2	**720 920 261**	1.057	81	138	70



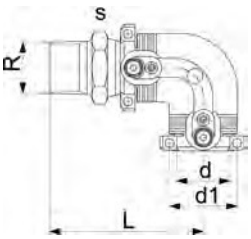


Transition elbow 90° PE/steel (stainless 1.4305)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
20	½	**724 100 256**	0.211	31	86	30
25	¾	**724 100 257**	0.237	36	87	35
32	1	**724 100 258**	0.320	44	89	40
40	1 ¼	**724 100 259**	0.545	54	100	50
50	1 ½	**724 100 260**	0.805	66	109	60
63	2	**724 100 261**	1.020	81	123	70



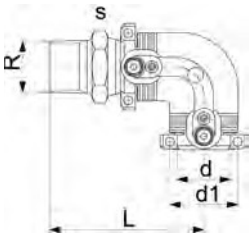


Transition elbow 90° PE/steel (stainless 1.4305)
Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	R (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
20	½	**724 100 756**	0.211	31	96	30
25	¾	**724 100 757**	0.230	36	97	35
32	1	**724 100 758**	0.324	44	98	40
40	1 ¼	**724 100 759**	0.560	54	109	50
40	1 ½	**724 100 772**	0.599	54	109	60
50	1 ½	**724 100 760**	0.701	66	118	60
63	1 ½	**724 100 771**	0.986	81	132	70
63	2	**724 100 761**	1.105	81	132	70



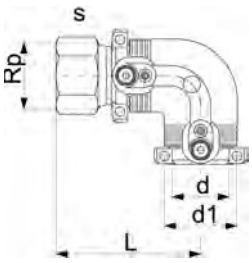


Transition elbow 90° PE/brass (CW617N)
Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	R (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
20	½	**720 100 756**	0.240	31	96	30
25	¾	**720 100 757**	0.260	36	97	35
32	1	**720 100 758**	0.368	44	98	40
32	1 ¼	**720 100 766**	0.500	44	100	50
32	1 ½	**720 100 767**	0.562	44	100	60
40	1	**720 100 771**	0.511	54	107	50
40	1 ¼	**720 100 759**	0.534	54	109	50
40	1 ½	**720 100 772**	0.615	54	109	60
50	1	**720 100 776**	0.677	66	116	60
50	1 ¼	**720 100 777**	0.771	66	118	60
50	1 ½	**720 100 760**	0.734	66	118	60
63	1 ¼	**720 100 782**	1.040	81	128	70
63	1 ½	**720 100 783**	1.039	81	128	70
63	2	**720 100 761**	1.108	81	132	70



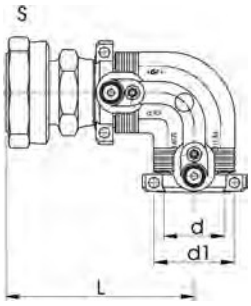


Transition elbow 90° PE/brass (CW617N)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	s (mm)
32	1	**720 100 258**	0.359	44	89	40
40	1 ¼	**720 100 259**	0.525	54	100	50
50	1 ½	**720 100 260**	0.825	66	109	60
63	1	**720 100 281**	1.420	81	123	70
63	1 ¼	**720 100 282**	1.391	81	123	70
63	1 ½	**720 100 283**	1.305	81	123	70
63	2	**720 100 261**	1.165	81	123	70

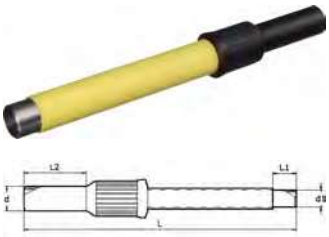




Transition elbow 90° PE/brass (CW617N)
With loose nut

- **PE 100 SDR 11** (ISO S5)
- 16 bar Water
- With integral pipe fixation
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as a kit
- Incl. flat gasket for water applications (KTW / WRAS approved)

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)
25	¾	**720 100 007**	0.240	36	90
32	1	**720 100 008**	0.347	44	91
32	1 ¼	**720 100 018**	0.490	44	95
50	1 ½	**720 100 010**	0.850	66	116
63	1	**720 100 021**	1.114	81	121
63	2	**720 100 011**	1.375	81	129



Transition fittings PE/steel

- **PE 100 SDR 11** (ISO S5)
- 8 bar Gas / 16 bar Water
- **Suitable for 10 bar Gas / 16 bar Water
- Electrofusion weldable
- PE coated for corrosion resistance

* Steel pipe galvanized

	d (mm)	d1 (inch)	Code	Weight (kg)	L (mm)	L1 (mm)	L2 (mm)
*	20	½	**775 641 502**	0.450	427	35	41
	25	¾	**775 641 507**	0.658	462	35	41
	32	1	**775 641 510**	0.988	462	35	44
	40	1 ¼	**775 641 514**	1.208	470	35	49
	50	1 ½	**775 641 518**	1.355	475	35	55
	63	2	**775 641 524**	2.011	480	35	63
	75	2 ½	**775 641 632**	2.983	545	35	70
	90	3	**775 641 636**	3.762	562	45	79
	110	3	**775 641 640**	4.381	580	45	82
	110	4	**775 641 641**	6.633	580	45	82
	125	4	**775 641 645**	6.833	584	45	87
	160	6	**775 641 655**	12.406	607	45	98
	180	6	**775 641 659**	11.935	605	45	105
	200	8	**775 642 664**	19.647	615	45	112
	225	8	**775 642 669**	20.154	620	45	120
	250	8	**775 642 665**	21.354	640	45	129
**	250	10	**775 642 666**	30.000	645	45	129
**	280	10	**775 642 673**	31.000	637	45	139
**	315	12	**775 642 672**	35.000	730	45	150
**	355	12	**775 642 675**	49.000	732	45	164
**	400	16	**775 642 678**	94.000	770	45	179

GF Piping Systems

ELGEF Plus Electrofusion System

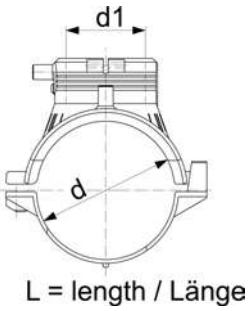
ELGEF Plus Branch Fitting
ELGEF Plus Modular System
ELGEF Plus Saddles/Valves



ELGEF Plus saddles and valves

ELGEF Plus modular system





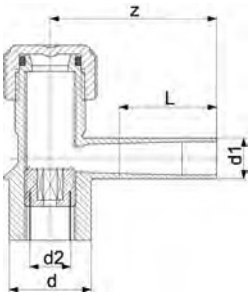
Electrofusion saddle

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- * Complete with moulded-on lower part
- **Delivery without lower part for assembling as Top Load with tool no. 799.350.477

Not suitable for all tapping-tees, tapping-valves and spigots with cutter of the modular systems; SDR compatibility according to individual parts

	d (mm)	d1 (mm)	Code	Weight (kg)	L (mm)
	63	63	**193 131 037**	0.325	165
	75	63	**193 131 047**	0.455	165
	90	63	**193 131 057**	0.415	165
	110	63	**193 131 067**	0.458	165
*	110	63	**193 133 067**	0.490	182
	125	63	**193 131 077**	0.502	165
	140	63	**193 131 087**	0.523	165
	160	63	**193 131 097**	0.493	165
*	160	63	**193 133 097**	0.543	182
	180	63	**193 131 107**	0.600	165
	200	63	**193 131 117**	0.634	165
	225	63	**193 131 127**	0.618	165
	250	63	**193 131 137**	0.627	165
**	280	63	**193 131 147**	0.359	165
**	315 - 355	63	**193 131 157**	0.373	165
**	400	63	**193 131 177**	0.356	165



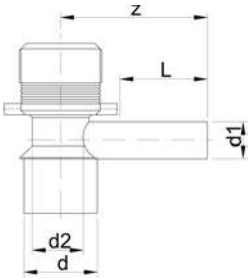


Tapping tee

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Long fusion outlet
- O-ring-sealed screw cap
- For ELGEF Plus Branch Saddle d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle d90-315mm, pipe SDR 17
- *For ELGEF Plus Branch Saddle d250-315mm, pipe SDR 11 and d250-400mm, pipe SDR 17
- **For ELGEF Plus Branch Saddle d110 - 225mm, pipe SDR11 and d110 - 315mm, pipe SDR17

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	L (mm)	z (mm)	SW (mm)
	63	20	**193 280 358**	0.380	32	69	130	17
	63	25	**193 280 359**	0.375	32	70	130	17
	63	32	**193 280 184**	0.377	32	76	130	17
	63	40	**193 280 360**	0.396	32	81	137	17
	63	63	**193 280 185**	1.099	32	100	160	17
*	63	63	**193 280 711**	1.120	35	100	160	17
**	63	63	**193 280 290**	1.086	41	100	160	17



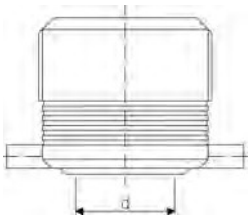


Tapping tee
With electrofusion cap

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- For ELGEF Plus Branch Saddle d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle d90-315mm, pipe SDR 17
- Long fusion outlet

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	D2 (mm)	L (mm)	z (mm)	SW (mm)
63	32	**193 280 300**	0.441	32	32	76	130	17
63	63	**193 280 301**	1.209	32	32	100	160	17



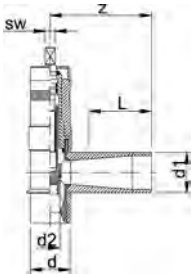


Electrofusion cap

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Tapping Saddles
- 193 280 153 is suitable for all Tapping Tees with outlets d20, d25, d32, d40 mm
- 193 280 154 is suitable for all Tapping Tees with d63 mm outlet

d (mm)	Code	Weight (kg)
55	**193 280 153**	0.126
68	**193 280 154**	0.200





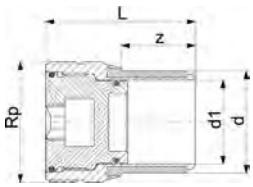
Tapping valve tee

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- For ELGEF Plus Branch Saddle d63 - 250, pipe SDR11
- For ELGEF Plus Branch Saddle d75 - 315mm, pipe SDR 17 and d250 - 400mm, pipe SDR 26
- Spindle size (SW) 14
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to fully open or close valve is 28 for outlet d63
- Long fusion outlet

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	L (mm)	z (mm)
63	32	**193 281 605**	1.493	21	70	127
63	63	**193 281 606**	2.361	31	100	160

Stop-off adaptor with brass plug



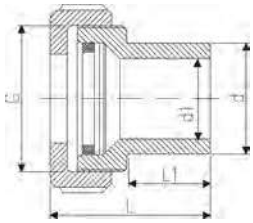


- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle d63 - 400mm, pipe SDR 11
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm
- Stop-Off insert (CW617N) and plug

d (mm)	Rp (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	z (mm)	SW (mm)
63	2 ½	**193 280 274**	1.462	50.0	93	46	19
63	2 ½	**193 280 294**	1.375	56.5	93	46	19

Stop-off adaptor PE



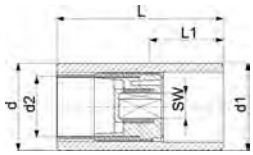


- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- PE Stop-Off insert d 63
- Plug with rubber seal
- PVP nut
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm

d (mm)	G (inch)	Code	Weight (kg)	d1 (mm)	L (mm)	z (mm)
63	2 ¾	**193 280 279**	0.254	51	87	45

Spigot with cutter



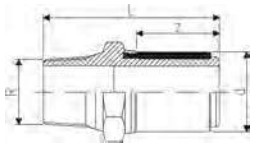


- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- For ELGEF Plus Branch Saddle d63-225mm, pipe SDR 11
- For ELGEF Plus Branch Saddle d75 - 315mm, pipe SDR 17 and d250 - 400mm, pipe SDR 26

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	L (mm)	L1 (mm)	SW (mm)
63	32	**193 280 272**	0.144	19	113	50	13
63	63	**193 280 273**	0.692	32	120	50	17

Transition adaptor PE/brass (CW617N) Male thread

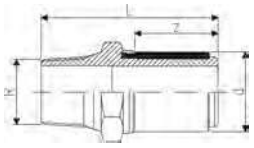




- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

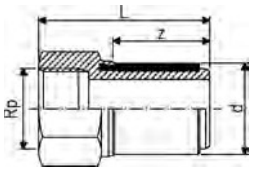
d (mm)	R (inch)	Code	Weight (kg)	L (mm)	z (mm)
20	½	**720 920 706**	0.133	75	33
25	¾	**720 920 707**	0.182	76	33
32	1	**720 920 708**	0.257	80	35
32	1 ¼	**720 920 718**	0.370	82	35
32	1 ½	**720 920 728**	0.437	82	35
40	1	**720 920 719**	0.358	84	39

table continued on the next page



d (mm)	R (inch)	Code	Weight (kg)	L (mm)	z (mm)
40	1 ¼	**720 920 709**	0.405	86	39
40	1 ½	**720 920 729**	0.454	86	39
50	1	**720 920 720**	0.505	88	43
50	1 ¼	**720 920 730**	0.539	90	43
50	1 ½	**720 920 710**	0.514	90	43
63	1 ¼	**720 920 721**	0.739	94	47
63	1 ½	**720 920 731**	0.709	94	47
63	2	**720 920 711**	0.762	98	47



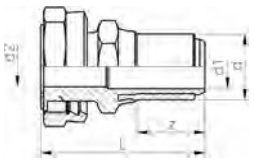


Transition adaptor PE/brass (CW617N)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

d (mm)	Rp (inch)	Code	Weight (kg)	L (mm)	z (mm)
32	1	**720 920 208**	0.250	71	35
40	1 ¼	**720 920 209**	0.386	77	39
50	1 ½	**720 920 210**	0.594	81	43
63	1	**720 920 221**	1.100	89	47
63	1 ¼	**720 920 231**	1.062	89	47
63	1 ½	**720 920 241**	0.958	89	47
63	2	**720 920 211**	0.832	89	47



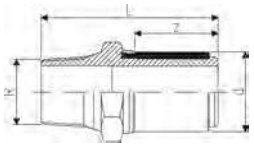


Transition adaptor PE/brass
Loose nut (CW617N)

- **PE 100 SDR 11** (ISO S5)
- 16 bar Water
- Only for ELGEF Plus Couplers and Fittings
- Incl. flat gasket for water applications (KTW / WRAS approved)

d (mm)	G (inch)	Code	Weight (kg)	d2 (mm)	L (mm)	z (mm)
25	¾	**720 920 007**	0.152	15	68	32
32	1	**720 920 008**	0.235	20	72	34
32	1 ¼	**720 920 018**	0.356	22	76	34
50	1 ½	**720 920 010**	0.584	29	87	42
63	1	**720 920 021**	0.804	20	87	46
63	2	**720 920 011**	1.018	36	95	46



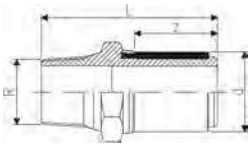


Transition adaptor PE/steel (stainless 1.4305)
Male thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

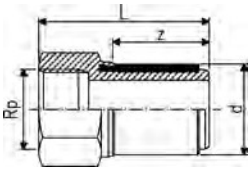
d (mm)	R (inch)	Code	Weight (kg)	L (mm)	z (mm)
20	½	**724 920 706**	0.120	75	33
25	¾	**724 920 707**	0.179	76	33
32	1	**724 920 708**	0.244	80	35
40	1 ¼	**724 920 709**	0.380	86	39

table continued on the next page



d (mm)	R (inch)	Code	Weight (kg)	L (mm)	z (mm)
40	1 ½	**724 920 719**	0.446	86	39
50	1 ½	**724 920 710**	0.478	90	43
63	1 ½	**724 920 721**	0.653	98	47
63	2	**724 920 711**	0.722	98	47





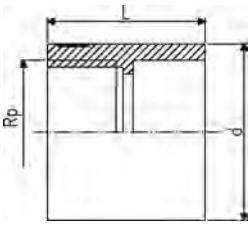
Transition adaptor PE/steel (stainless 1.4305)
Female thread

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Only for ELGEF Plus Couplers and Fittings

d (mm)	Rp (inch)	Code	Weight (kg)	L (mm)	z (mm)
20	½	**724 920 206**	0.128	65	33
25	¾	**724 920 207**	0.181	66	33
32	1	**724 920 208**	0.237	71	35
40	1 ¼	**724 920 209**	0.373	77	39
50	1 ½	**724 920 210**	0.527	81	43
63	2	**724 920 211**	0.733	89	47







PE adaptor
Female thread

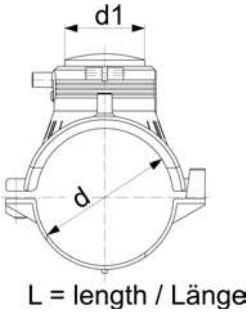
- **PE 80 SDR 11** (ISO S5)
- 5 bar Gas / 12,5 bar Water
- Connection to plastic or metal
- Reinforcing ring stainless (A2)
- For ELGEF Plus Branch Saddle d63 - 400mm, pipe SDR 11, d75 - 400mm, pipe SDR 17
- Parallel female thread
- ***PE 100 SDR 11 (ISO S5)**
- *5 bar Gas / 16 bar Water

	d (mm)	Rp (inch)	Code	Weight (kg)	L (mm)
*	63	½	**193 281 617**	0.060	68
	63	1 ½	**173 281 925**	0.088	54



Repair saddle

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Supplied as kit including Spigot Cap (753.961.011)
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477

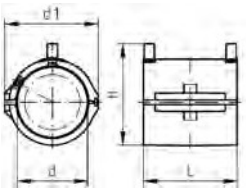


	d (mm)	d1 (mm)	Code	Weight (kg)	L (mm)
	63	63	**193 130 037**	0.417	165
	75	63	**193 130 047**	0.574	165
	90	63	**193 130 057**	0.513	165
	110	63	**193 130 067**	0.565	165
	125	63	**193 130 077**	0.622	165
	140	63	**193 130 087**	0.660	165
	160	63	**193 130 097**	0.589	165
	180	63	**193 130 107**	0.733	165
	200	63	**193 130 117**	0.731	165
	225	63	**193 130 127**	0.708	165
	250	63	**193 130 137**	0.640	165
*	280	63	**193 130 147**	0.450	165
*	315 - 355	63	**193 130 157**	0.443	165
*	400	63	**193 130 177**	0.450	165



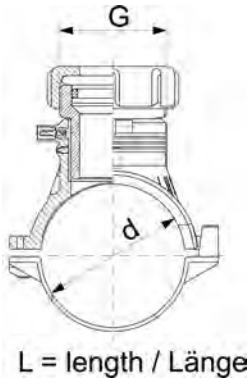
Reinforcing saddle

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- **Fusion voltage 24 Volt**
- 4 mm pin connectors
- For use as a repair saddle with PE repair plug (Code 799.199.088 and 799.199.089) and as reinforcing saddle with an fusion area which extends the whole circumference of the pipe
- Use Spring clamp (Code 799.150.090) for installation



d (mm)	Code	Weight (kg)	d1 (mm)	L (mm)	H (mm)
40	**193 127 017**	0.135	104	105	108
50	**193 127 027**	0.200	80	105	85
63	**193 127 037**	0.255	132	120	153
75	**193 127 047**	0.430	162	130	122
90	**193 127 057**	0.547	104	130	147
110	**193 127 067**	0.528	120	120	191
125	**193 127 077**	0.757	158	130	184
160	**193 127 097**	0.961	192	130	218
180	**193 127 107**	1.095	214	130	239
200	**193 127 117**	1.145	236	130	260
225	**193 127 127**	1.399	262	140	286



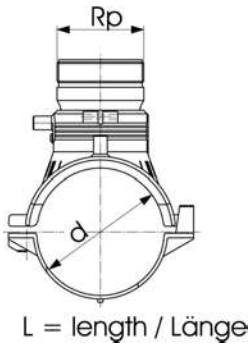


Stop-off saddle with PE-adaptor
Maximum passage 50 mm

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- Supplied as Kit with PE-Stop-Off Adaptor
- PE Stop-Off insert
- 4 mm pin connectors
- Limited path fusion indicators
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	G (inch)	Code	Weight (kg)	L (mm)
	63	2 ¾	**193 149 237**	0.606	165
	75	2 ¾	**193 149 247**	0.765	165
	90	2 ¾	**193 149 257**	0.696	165
	110	2 ¾	**193 149 267**	0.732	165
	125	2 ¾	**193 149 277**	0.785	165
	140	2 ¾	**193 149 287**	0.820	165
	160	2 ¾	**193 149 297**	0.772	165
	180	2 ¾	**193 149 307**	0.920	165
	200	2 ¾	**193 149 317**	0.913	165
	225	2 ¾	**193 149 327**	0.910	165
	250	2 ¾	**193 149 337**	0.936	165
*	280	2 ¾	**193 149 347**	0.920	165
*	315 - 355	2 ¾	**193 149 357**	0.660	165
*	400	2 ¾	**193 149 377**	0.920	165



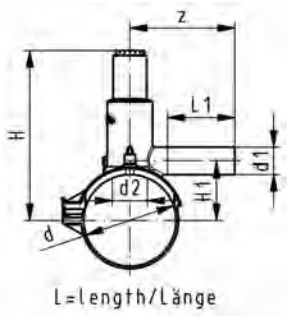


Stop-off saddle (kit)
Maximum passage 56.5 mm

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- Stop-Off insert (CW617N) and plug
- 4 mm pin connectors
- Limited path fusion indicators
- Stop-Off insert with outside thread Rp 2 1/2" and internal thread Rp 2" suited for common tapping devices permitting "gas-tight" installation
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required
- For main dimension d63 and d75mm we recommend a maximum cutting diameter of d = 39mm

	d (mm)	Rp (inch)	Code	Weight (kg)	L (mm)
	63	2 ½	**193 149 437**	1.770	165
	75	2 ½	**193 149 447**	1.900	165
	90	2 ½	**193 149 457**	1.775	165
	110	2 ½	**193 149 467**	1.788	165
	125	2 ½	**193 149 477**	1.923	165
	140	2 ½	**193 149 487**	1.945	165
	160	2 ½	**193 149 497**	1.861	165
	180	2 ½	**193 149 507**	2.017	165
	200	2 ½	**193 149 517**	2.092	165
	225	2 ½	**193 149 527**	2.031	165
	250	2 ½	**193 149 537**	2.058	165
*	280	2 ½	**193 149 547**	1.550	165
*	315 - 355	2 ½	**193 149 557**	1.770	165
*	400	2 ½	**193 149 577**	1.550	165



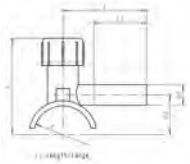


Tapping saddle
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with moulded-on lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- *Compatible with GASSTOP type GS

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
*	63	20	**193 131 932**	0.368	25	146	44	144	76	110
	63	25	**193 131 933**	0.393	25	146	44	144	76	110
*	63	32	**193 131 934**	0.376	25	146	44	144	76	110
*	90	20	**193 131 952**	0.494	32	198	61	162	76	115
	90	25	**193 131 953**	0.503	32	198	61	162	76	115
*	90	32	**193 131 954**	0.505	32	198	61	162	76	115
	90	63	**193 131 957**	0.667	32	198	61	162	76	115
*	110	20	**193 131 962**	0.560	32	208	71	162	76	115
	110	25	**193 131 963**	0.570	32	208	71	162	76	115
*	110	32	**193 131 964**	0.574	32	208	71	162	76	125
	110	63	**193 131 967**	0.684	32	208	71	162	100	160
*	125	20	**193 131 972**	0.562	32	216	79	162	76	120
	125	25	**193 131 973**	0.552	32	216	79	162	76	120
*	125	32	**193 131 974**	0.574	32	216	79	162	76	120
	125	63	**193 131 977**	0.704	32	216	79	162	76	120
*	160	20	**193 131 992**	0.631	32	233	96	162	76	120
	160	25	**193 131 993**	0.641	32	233	96	162	76	125
*	160	32	**193 131 994**	0.648	32	233	96	162	76	130
	160	63	**193 131 997**	0.794	32	233	96	162	100	170



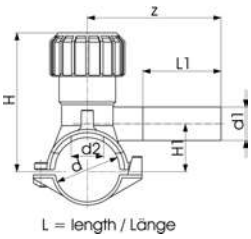


Tapping saddle
Monobloc

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Fusion indicator
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
32	20	**193 281 459**	0.156	12	83	29	101	65	90





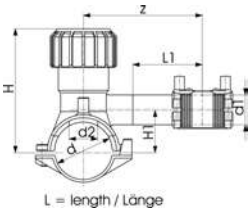
L = length / Länge

Tapping saddle
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
40	20	**193 131 412**	0.225	16	99	33	103	70	102
40	25	**193 131 413**	0.226	16	99	33	103	70	102
40	32	**193 131 414**	0.225	16	99	33	103	70	120
50	20	**193 131 422**	0.214	16	104	38	103	70	102
50	25	**193 131 423**	0.212	16	104	38	103	70	102
50	32	**193 131 424**	0.228	16	104	38	103	70	120
63	20	**193 131 432**	0.428	25	134	44	126	70	115
63	25	**193 131 433**	0.431	25	134	44	126	70	115
63	32	**193 131 434**	0.425	25	134	44	126	70	130





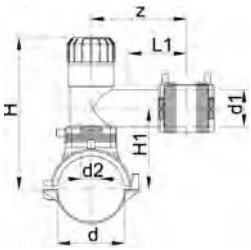
L = length / Länge

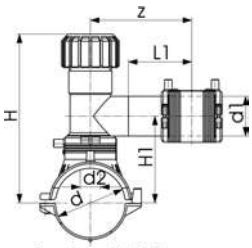
Tapping saddle (kit)
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
40	20	**193 132 412**	0.278	16	99	33	103	70	102
40	25	**193 132 413**	0.289	16	99	33	103	70	102
40	32	**193 132 414**	0.284	16	99	33	103	70	120
50	20	**193 132 422**	0.325	16	105	38	103	70	102
50	25	**193 132 423**	0.273	16	105	38	103	70	102
50	32	**193 132 424**	0.296	16	105	38	103	70	120
63	20	**193 132 432**	0.486	25	134	44	126	70	115
63	25	**193 132 433**	0.492	25	134	44	126	70	115
63	32	**193 132 434**	0.507	25	134	44	126	70	130
63	40	**193 132 435**	0.461	25	134	44	126	70	130







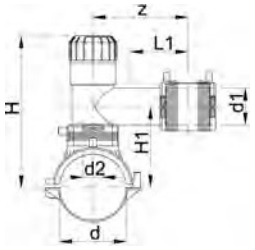
L = length / Länge

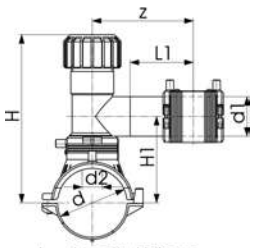
Tapping saddle (kit)
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)
- d315 - 400 mm: application is limited on pipes d355 and d400 mm. Not suitable for pipes if larger wall thickness than SDR 17 pipes.
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
	63	20	**193 132 402**	0.754	32	186	108	165	76	130
	63	25	**193 132 403**	0.761	32	186	108	165	76	130
	63	32	**193 132 404**	0.773	32	186	108	165	76	130
	63	40	**193 132 405**	0.798	32	186	108	165	76	130
	63	50	**193 132 436**	1.619	32	234	112	165	100	160
	63	63	**193 132 437**	1.623	32	234	112	165	100	160
	75	20	**193 132 442**	0.879	32	191	113	165	76	130
	75	25	**193 132 443**	0.900	32	191	113	165	76	130
	75	32	**193 132 444**	0.917	32	191	113	165	76	130
	75	40	**193 132 445**	0.958	32	240	118	165	76	160
	75	50	**193 132 446**	1.748	32	240	118	165	100	160
	75	63	**193 132 447**	1.753	32	240	118	165	100	160
	90	20	**193 132 452**	0.856	32	199	121	165	76	130
	90	25	**193 132 453**	0.858	32	199	121	165	76	130
	90	32	**193 132 454**	0.857	32	199	121	165	76	130
	90	40	**193 132 455**	0.780	32	199	126	165	76	130
	90	50	**193 132 456**	1.711	32	248	126	165	100	160
	90	63	**193 132 457**	1.707	32	248	126	165	100	160
	110	20	**193 132 462**	0.907	32	209	131	165	76	130
	110	25	**193 132 463**	0.905	32	209	131	165	76	130
	110	32	**193 132 464**	0.875	32	209	131	165	76	130
	110	40	**193 132 465**	0.961	32	209	136	165	76	130
	110	50	**193 132 466**	1.133	35	258	136	165	100	160
	110	63	**193 132 467**	1.330	35	258	136	165	100	160
	125	20	**193 132 472**	0.938	32	216	138	165	76	130
	125	25	**193 132 473**	0.943	32	216	138	165	76	130
	125	32	**193 132 474**	0.955	32	216	138	165	76	130
	125	40	**193 132 475**	0.964	32	216	143	165	76	130
	125	50	**193 132 476**	1.374	35	256	143	165	100	160
	125	63	**193 132 477**	1.161	35	256	143	165	100	160
	140	20	**193 132 482**	0.941	32	234	146	165	76	130
	140	25	**193 132 483**	0.944	32	234	146	165	76	130
	140	32	**193 132 484**	0.972	32	234	146	165	76	130
	140	40	**193 132 485**	1.020	32	234	146	165	76	130
	140	50	**193 132 486**	1.835	35	283	151	165	100	160
	140	63	**193 132 487**	1.833	35	283	151	165	100	160
	160	20	**193 132 492**	0.910	32	234	156	165	76	130
	160	25	**193 132 493**	0.933	32	234	156	165	76	130
	160	32	**193 132 494**	0.954	32	234	156	165	76	130
	160	40	**193 132 495**	0.965	32	234	161	165	76	130
	160	50	**193 132 496**	1.375	35	283	161	165	100	160
	160	63	**193 132 497**	1.378	35	283	161	165	100	160
	180	20	**193 132 502**	1.020	32	244	166	165	71	130
	180	25	**193 132 503**	1.057	32	244	166	165	71	130
	180	32	**193 132 504**	1.045	32	244	166	165	76	130
	180	40	**193 132 505**	1.122	32	244	171	165	76	130
	180	50	**193 132 506**	1.938	35	293	171	165	100	160
	180	63	**193 132 507**	1.918	35	293	171	165	100	160

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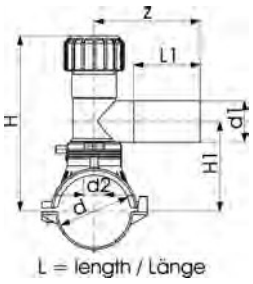




L = length / Länge

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
	200	20	**193 132 512**	1.065	32	254	176	165	76	130
	200	25	**193 132 513**	1.065	32	254	176	165	71	130
	200	32	**193 132 514**	1.095	32	254	176	165	76	130
	200	40	**193 132 515**	1.131	32	254	181	165	76	130
	200	50	**193 132 516**	1.957	35	303	181	165	100	160
	200	63	**193 132 517**	1.900	35	303	181	165	100	160
	225	20	**193 132 522**	1.460	32	266	188	165	71	130
	225	25	**193 132 523**	0.991	32	266	188	165	71	130
	225	32	**193 132 524**	1.095	32	266	188	165	76	130
	225	40	**193 132 525**	1.134	32	266	193	165	76	130
	225	50	**193 132 526**	1.921	35	315	193	165	100	160
	225	63	**193 132 527**	1.951	35	315	193	165	100	160
	250	20	**193 132 532**	1.079	32	279	201	165	76	130
	250	25	**193 132 533**	1.095	32	279	201	165	76	130
	250	32	**193 132 534**	1.092	32	279	201	165	76	130
	250	40	**193 132 535**	1.113	32	279	206	165	76	160
	250	50	**193 132 536**	1.971	35	328	206	165	100	160
	250	63	**193 132 537**	1.923	35	328	206	165	100	160
*	280	32	**193 132 544**	1.455	35	328	206	165	100	160
*	280	40	**193 132 545**	1.500	35	328	206	165	100	160
*	280	50	**193 132 546**	1.500	35	328	206	165	100	160
*	280	63	**193 132 547**	1.510	35	328	206	165	100	160
*	315 - 355	32	**193 132 554**	1.648	35	328	206	165	100	160
*	315 - 355	40	**193 132 555**	1.015	35	328	206	165	100	160
*	315 - 355	50	**193 132 556**	1.440	35	328	206	165	100	160
*	315 - 355	63	**193 132 557**	1.602	35	328	206	165	100	160



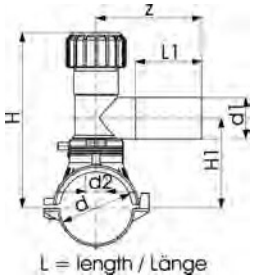


Tapping saddle
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- d315-400mm: restricted application for pipes d355 and d400mm. Not suitable for pipes if wall thickness is larger than SDR17 pipes.
- *moulded-on lower clamp
- **Delivery without lower part for assembling as Top Load with tool no. 799.350.475; angle adaptor (799.350.340) for fusion cable required

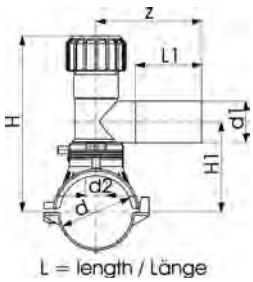
	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
	63	20	**193 131 402**	0.697	32	186	108	165	71	130
	63	25	**193 131 403**	0.637	32	186	108	165	71	130
	63	32	**193 131 404**	0.701	32	186	108	165	76	130
	63	40	**193 131 405**	0.718	32	186	108	165	81	137
	63	63	**193 131 437**	1.426	32	134	112	165	100	160
	75	20	**193 131 442**	0.831	32	191	113	165	71	130
	75	25	**193 131 443**	0.830	32	191	113	165	71	130
	75	32	**193 131 444**	0.812	32	191	113	165	76	130
	75	40	**193 131 445**	0.849	32	191	113	165	81	137
	75	63	**193 131 447**	1.549	32	240	118	165	100	160
	90	20	**193 131 452**	0.794	32	199	121	165	71	130
	90	25	**193 131 453**	0.790	32	199	121	165	71	130
	90	32	**193 131 454**	0.770	32	199	121	165	76	130
	90	40	**193 131 455**	0.811	32	199	121	165	81	137
	90	63	**193 131 457**	1.494	32	248	126	165	100	160
*	110	20	**193 131 462**	0.826	32	209	131	182	71	130
*	110	25	**193 131 463**	0.808	32	209	131	182	71	130
*	110	32	**193 131 464**	0.831	32	209	131	182	76	130
*	110	40	**193 131 465**	0.805	32	209	131	182	81	137
*	110	63	**193 131 467**	1.097	35	258	136	182	100	160
	125	20	**193 131 472**	0.880	32	216	138	165	71	130
	125	25	**193 131 473**	0.878	32	216	138	165	71	130
	125	32	**193 131 474**	0.878	32	216	138	165	76	130
	125	40	**193 131 475**	0.874	32	216	138	165	81	137
	125	63	**193 131 477**	1.184	35	265	143	165	100	160
	140	20	**193 131 482**	0.887	32	233	146	165	71	130
	140	25	**193 131 483**	0.874	32	233	146	165	71	130
	140	32	**193 131 484**	0.894	32	233	146	165	76	130
	140	40	**193 131 485**	0.920	32	233	146	165	81	137
	140	63	**193 131 487**	1.180	35	273	151	165	100	160
*	160	20	**193 131 492**	0.916	32	243	156	182	71	130
*	160	25	**193 131 493**	0.912	32	243	156	182	71	130
*	160	32	**193 131 494**	0.915	32	243	156	182	76	130
*	160	40	**193 131 495**	0.936	32	243	156	182	81	137
*	160	63	**193 131 497**	1.221	35	283	161	182	100	160
	180	20	**193 131 502**	0.994	32	244	166	165	71	130
	180	25	**193 131 503**	1.001	32	244	166	165	71	130
	180	32	**193 131 504**	0.957	32	244	166	165	76	130
	180	40	**193 131 505**	1.007	32	244	166	165	81	137
	180	63	**193 131 507**	1.587	35	293	171	165	100	160
	200	20	**193 131 512**	1.015	32	254	176	165	71	130
	200	40	**193 131 515**	1.024	32	254	176	165	81	137
	200	32	**193 131 514**	0.985	32	254	176	165	76	130
	200	25	**193 131 513**	1.015	32	254	176	165	71	130
	200	63	**193 131 517**	1.745	35	303	181	165	100	160
	225	20	**193 131 522**	1.016	32	266	188	165	71	130
	225	25	**193 131 523**	1.025	32	266	188	165	71	130
	225	32	**193 131 524**	1.019	32	266	188	165	76	130

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	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
	225	40	**193 131 525**	1.029	32	266	188	165	81	137
	225	63	**193 131 527**	1.738	35	315	193	165	100	160
	250	20	**193 131 532**	1.025	32	279	201	165	76	130
	250	25	**193 131 533**	1.026	32	279	201	165	76	130
	250	32	**193 131 534**	0.996	32	279	201	165	76	130
	250	40	**193 131 535**	1.008	32	279	201	165	81	137
	250	63	**193 131 537**	1.733	35	328	206	165	100	160
**	280	63	**193 131 547**	1.478	35	328	206	165	100	160
**	315-355	63	**193 131 557**	1.481	35	328	206	165	100	160
**	400	63	**193 131 577**	1.473	35	328	206	165	100	160



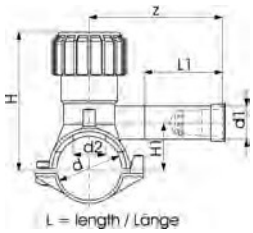


Tapping saddle
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- **Suitable to tap SDR11 pipes**
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap
- Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
315-355	63	**193 131 867**	1.473	33	328	206	165	100	160
400	63	**193 131 877**	1.473	33	328	206	165	100	160



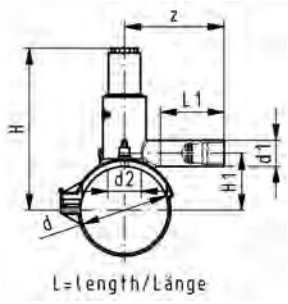


Tapping saddle with gas-stop type 1-5 bar
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- Gas-Stop System Pipelife (GS 20/1 or GS 32/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
40	20	**193 281 113**	0.214	16	99	33	103	70	102	25
40	32	**193 281 152**	0.237	16	99	33	103	70	120	100
63	20	**193 281 434**	0.365	25	134	44	126	70	115	25
63	32	**193 281 153**	0.840	25	134	44	126	70	130	100



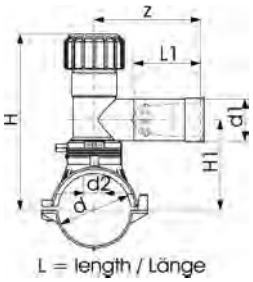


Tapping saddle with gas-stop type 1-5 bar
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Complete with moulded-on lower part
- Gas-Stop System Pipelife (GS 20/1 or GS 32/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
63	20	**193 130 432**	0.368	25	146	44	144	76	110	25
63	32	**193 130 434**	0.412	25	146	44	144	76	110	100
90	20	**193 130 452**	0.524	32	198	61	162	76	115	25
90	32	**193 130 454**	0.520	32	198	61	162	76	115	100
110	20	**193 130 462**	0.552	32	208	71	162	76	115	25
110	32	**193 130 464**	0.620	32	208	71	162	76	125	100
125	20	**193 130 472**	0.664	32	216	79	162	76	120	25
125	32	**193 130 474**	0.628	32	216	79	162	76	120	100
160	20	**193 130 492**	0.672	32	233	96	162	76	120	25
160	32	**193 130 494**	0.786	32	233	96	162	76	130	100



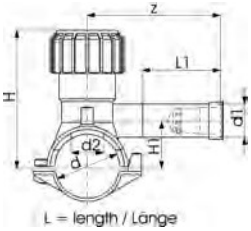


Tapping saddle with gas-stop type 1-5 bar
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 5 bar Gas (for pressure 1 bar -5 bar)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife (GS 20/1, GS 32/1, GS 63/1)
- **Without overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
63	63	**193 281 159**	1.548	32	134	112	165	100	160	280
90	20	**193 281 435**	0.728	25	199	121	165	71	130	25
90	32	**193 281 154**	0.728	25	199	121	165	76	130	100
90	63	**193 281 160**	1.642	32	248	126	165	100	160	280
110	20	**193 281 437**	0.875	25	209	131	165	71	130	25
110	32	**193 281 155**	0.873	25	209	131	165	76	130	100
110	63	**193 281 161**	1.691	35	258	136	165	100	160	280
125	20	**193 281 438**	0.895	25	216	138	165	71	130	25
125	32	**193 281 156**	0.869	25	216	138	165	76	130	100
125	63	**193 281 162**	1.724	35	265	143	165	100	160	280
160	20	**193 281 439**	0.909	25	243	156	165	71	130	25
160	32	**193 281 157**	0.909	25	243	156	165	76	130	100
160	63	**193 281 163**	1.737	35	283	161	165	100	160	280
225	20	**193 281 122**	1.011	25	266	188	165	71	130	25
225	32	**193 281 158**	1.011	25	266	188	165	76	130	100
225	63	**193 281 164**	1.864	35	315	193	165	100	160	280





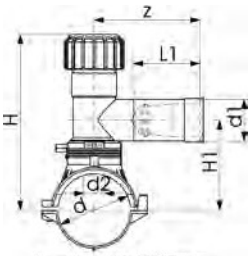
L = length / Länge

Tapping saddle with gas-stop type AD UE
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 1 bar Gas (for pressures from **25 mbar to 1 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type AD (GS 32/25 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
40	32	**193 130 614**	0.290	16	99	33	103	76	120	10
50	32	**193 130 624**	0.283	16	104	38	103	76	120	10
63	32	**193 130 634**	0.446	25	134	44	126	76	130	10





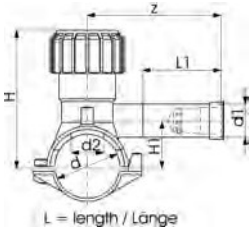
L = length / Länge

Tapping saddle with gas-stop type AD UE
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 1 bar Gas (for pressures from **25 mbar to 1 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type AD (GS 32/25 UE or GS 63/25 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
63	32	**193 130 604**	0.728	32	186	108	165	76	130	10
63	63	**193 130 637**	1.556	32	134	112	165	100	160	40
75	32	**193 130 644**	0.854	32	191	113	165	76	130	10
75	63	**193 130 647**	1.680	32	240	118	165	100	160	40
90	32	**193 130 654**	0.814	32	199	121	165	76	130	10
90	63	**193 130 657**	1.642	32	248	126	165	100	160	40
110	32	**193 130 664**	0.884	32	209	131	165	76	130	10
110	63	**193 130 667**	1.691	35	258	136	165	100	160	40
125	32	**193 130 674**	0.902	32	216	138	165	76	130	10
125	63	**193 130 677**	1.724	35	265	143	165	100	160	40
140	32	**193 130 684**	0.913	32	233	146	165	76	130	10
140	63	**193 130 687**	1.740	35	273	151	165	100	160	40
160	32	**193 130 694**	0.909	32	243	156	165	76	130	10
160	63	**193 130 697**	1.737	35	283	161	165	100	160	40
180	32	**193 130 704**	1.015	32	244	166	165	76	130	10
180	63	**193 130 707**	1.843	35	293	171	165	100	160	40
200	32	**193 130 714**	1.034	32	254	176	165	76	130	10
200	63	**193 130 717**	1.862	35	303	181	165	100	160	40
225	32	**193 130 724**	1.027	32	266	188	165	76	130	10
225	63	**193 130 727**	1.864	35	315	193	165	100	160	40
250	32	**193 130 734**	1.048	32	279	201	165	76	130	10
250	63	**193 130 737**	1.876	35	328	206	165	100	160	40





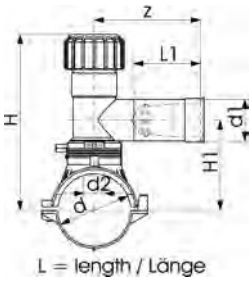
L = length / Länge

Tapping saddle with gas-stop type B UE
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 5 bar Gas (for pressures from **200 mbar to 5 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type S (GS 32/200 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	D2 (mm)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
40	32	**193 130 814**	0.290	16	16	99	33	103	76	120	45
50	32	**193 130 824**	0.283	16	16	104	38	103	76	120	45
63	32	**193 130 834**	0.446	25	25	134	44	126	76	130	45





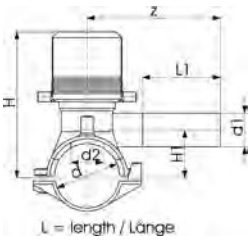
L = length / Länge

Tapping saddle with gas-stop type S UE
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 5 bar Gas (for pressures from **200 mbar to 5 bar**)
- With integrated cutter to tap live mains under pressure
- Gas-Stop System Pipelife Type S (GS 32/200 UE or GS 63/200 UE)
- **With overflow orifice**
- Set comes with Gas-Stop pre-assembled
- Installation instructions of Gas-Stop manufacturer are to be observed
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- O-ring-sealed screw cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)	Vn max (m^3/h)
63	32	**193 130 804**	0.715	32	186	108	165	76	130	45
63	63	**193 130 837**	1.540	32	134	112	165	100	160	180
75	32	**193 130 844**	0.854	32	191	113	165	76	130	45
75	63	**193 130 847**	1.680	32	240	118	165	100	160	180
90	32	**193 130 854**	0.813	32	199	121	165	76	130	45
90	63	**193 130 857**	1.642	32	248	126	165	100	160	180
110	32	**193 130 864**	0.877	32	209	131	165	76	130	45
110	63	**193 130 867**	1.691	35	258	136	165	100	160	180
125	32	**193 130 874**	0.897	32	216	138	165	76	130	45
125	63	**193 130 877**	1.709	35	265	143	165	100	160	180
140	32	**193 130 884**	0.913	32	233	146	165	76	130	45
140	63	**193 130 887**	1.740	35	273	151	165	100	160	180
160	32	**193 130 894**	0.909	32	243	156	165	76	130	45
160	63	**193 130 897**	1.737	35	283	161	165	100	160	180
180	32	**193 130 904**	1.222	32	244	166	165	76	130	45
180	63	**193 130 907**	1.843	35	293	171	165	100	160	180
200	32	**193 130 914**	1.034	32	254	176	165	76	130	45
200	63	**193 130 917**	1.862	35	303	181	165	100	160	180
225	32	**193 130 924**	1.027	32	266	188	165	76	130	45
225	63	**193 130 927**	1.828	35	315	193	165	100	160	180
250	32	**193 130 934**	1.048	32	279	201	165	76	130	45
250	63	**193 130 937**	1.876	35	328	206	165	100	160	180



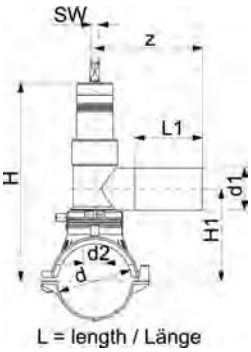


Tapping saddle with electrofusion cap
Monobloc version

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated cutter to tap live mains under pressure
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- Electrofusion Cap

d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
63	20	**193 131 632**	0.479	25	134	44	126	71	130
63	25	**193 131 633**	0.483	25	134	44	126	71	130
63	32	**193 131 634**	0.483	25	134	44	126	76	130



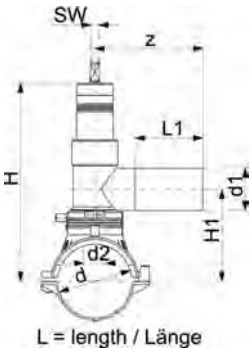


Pressure tapping valve
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to fully open or close valve is 28 for outlet d63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- *moulded-on lower clamp

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	z (mm)
	63	32	**193 155 234**	1.811	21	202	97	165	70	127
	63	63	**193 155 237**	2.680	31	272	112	165	100	160
	75	32	**193 155 244**	1.943	21	208	103	165	70	127
	75	63	**193 155 247**	2.749	31	278	118	165	100	160
	90	32	**193 155 254**	1.894	21	216	111	165	70	127
	90	63	**193 155 257**	2.781	31	286	126	165	100	160
*	110	32	**193 155 264**	1.896	21	226	121	165	70	127
*	110	63	**193 155 267**	2.739	31	296	136	165	100	160
	125	32	**193 155 274**	1.986	21	233	128	165	70	127
	125	63	**193 155 277**	2.867	31	303	143	165	100	160
	140	32	**193 155 284**	2.009	21	241	136	165	70	127
	140	63	**193 155 287**	2.908	31	311	151	165	100	160
*	160	32	**193 155 294**	2.029	21	251	146	165	70	127
*	160	63	**193 155 297**	2.913	31	321	161	165	100	160
	180	32	**193 155 304**	2.111	21	261	156	165	70	127
	180	63	**193 155 307**	2.923	31	331	171	165	100	160
	200	32	**193 155 314**	2.127	21	271	166	165	70	127
	200	63	**193 155 317**	3.007	31	341	181	165	100	160
	225	32	**193 155 324**	2.091	21	281	178	165	70	127
	225	63	**193 155 327**	2.932	31	353	193	165	100	160
	250	63	**193 155 337**	2.978	31	366	206	165	100	160



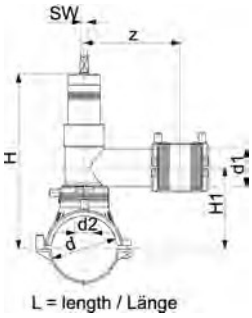


Pressure tapping valve
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to fully open or close valve is 28 for outlet d63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	d1 (mm)	Code	Weight (kg)	L1 (mm)	H1 (mm)	z (mm)	L (mm)	H (mm)	d2 (mm)
	250	32	**193 155 334**	2.096	70	191	127	165	293	21
*	280	32	**193 155 344**	1.835	70	191	127	165	293	21
*	280	63	**193 155 347**	3.000	100	206	160	165	366	31
*	315 - 355	32	**193 155 354**	3.000	70	191	127	165	293	21
*	315 - 355	63	**193 155 357**	2.696	100	206	160	165	366	31
*	400	32	**193 155 374**	3.000	70	191	127	165	293	21
*	400	63	**193 155 377**	3.000	100	206	160	165	366	31



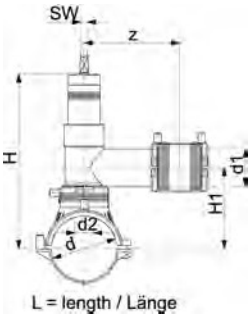


Pressure tapping valve (kit)
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to fully open or close valve is 28 for outlet d 40, d 50, d 63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)

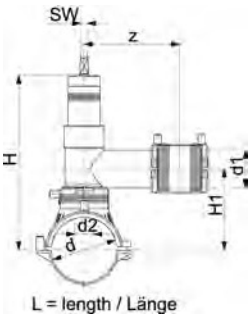
d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	z (mm)
63	32	**193 155 034**	1.864	21	202	97	165	127
63	40	**193 155 035**	2.862	31	272	112	165	160
63	50	**193 155 036**	2.879	31	272	112	165	160
63	63	**193 155 037**	2.887	31	272	112	165	160
75	32	**193 155 044**	3.243	21	208	103	165	127
75	40	**193 155 045**	3.249	31	278	118	165	160
75	50	**193 155 046**	3.261	31	278	118	165	160
75	63	**193 155 047**	3.259	31	278	118	165	160
90	32	**193 155 054**	1.962	21	216	111	165	127
90	40	**193 155 055**	2.957	31	286	126	165	160
90	50	**193 155 056**	2.970	31	286	126	165	160
90	63	**193 155 057**	2.924	31	286	126	165	160
110	32	**193 155 064**	2.030	21	226	121	165	127
110	40	**193 155 065**	2.984	31	296	136	165	160
110	50	**193 155 066**	2.696	31	296	136	165	160
110	63	**193 155 067**	3.010	31	296	136	165	160
125	32	**193 155 074**	2.039	21	233	128	165	127
125	40	**193 155 075**	3.007	31	303	143	165	160
125	50	**193 155 076**	3.023	31	303	143	165	160
125	63	**193 155 077**	3.058	31	303	143	165	160
140	32	**193 155 084**	3.301	21	241	136	165	127

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d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	z (mm)
140	40	**193 155 085**	3.040	31	311	151	165	160
140	50	**193 155 086**	3.315	31	311	151	165	160
140	63	**193 155 087**	3.313	31	311	151	165	160
160	32	**193 155 094**	2.057	21	251	146	165	127
160	40	**193 155 095**	2.980	31	321	161	165	160
160	50	**193 155 096**	3.022	31	321	161	165	160
160	63	**193 155 097**	3.025	31	321	161	165	160
180	32	**193 155 104**	3.410	21	261	156	165	127
180	40	**193 155 105**	3.126	31	331	171	165	160
180	50	**193 155 106**	3.181	31	331	171	165	160
180	63	**193 155 107**	3.164	31	331	171	165	160
200	32	**193 155 114**	3.431	21	271	166	165	127
200	40	**193 155 115**	3.435	31	341	181	165	160
200	50	**193 155 116**	3.453	31	341	181	165	160
200	63	**193 155 117**	3.215	31	341	181	165	160
225	32	**193 155 124**	2.195	21	281	178	165	127
225	40	**193 155 125**	3.178	31	353	193	165	160
225	50	**193 155 126**	3.120	31	353	193	165	160
225	63	**193 155 127**	3.196	31	353	193	165	160
250	40	**193 155 135**	3.449	30	366	206	165	160
250	50	**193 155 136**	3.124	30	366	206	165	160
250	63	**193 155 137**	3.221	30	366	206	165	160



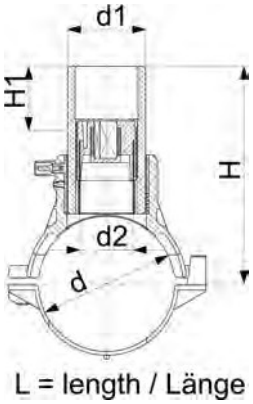


Pressure tapping valve (kit)
With 360° rotatable outlet

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- With integrated drill bit to tap live mains under pressure
- **Suitable for pipes with wall thickness between 7 and 21 mm only.**
- Complete with lower part and premounted PE100 coated valve piece
- The valve is closed clockwise
- Number of turns to fully open or close valve is 13 for outlet d32
- Number of turns to fully open or close valve is 28 for outlet d 40, d 50, d 63
- Spindle size (SW) 14
- 4 mm pin connectors
- Limited path fusion indicators
- Long fusion outlet
- Supplied as Kit with enclosed service line fitting (ELGEF Plus Coupler or Reducer)
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	z (mm)
	250	32	**193 155 134**	3.443	21	293	191	165	127
*	280	32	**193 155 144**	3.118	21	293	191	165	127
*	280	40	**193 155 145**	2.913	30	366	206	165	160
*	280	50	**193 155 146**	3.136	30	366	206	165	160
*	280	63	**193 155 147**	2.719	30	366	206	165	160
*	315 - 355	32	**193 155 154**	3.118	21	293	191	165	127
*	315 - 355	40	**193 155 155**	3.124	30	366	206	165	160
*	315 - 355	50	**193 155 156**	3.136	30	366	206	165	160
*	315 - 355	63	**193 155 157**	3.134	30	366	206	165	160



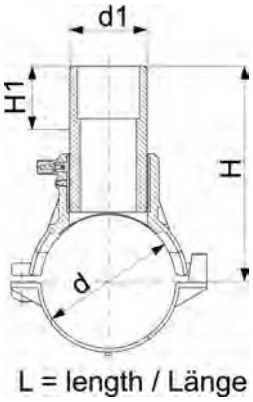


Spigot saddle with cutter

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- d315 - 400 mm: application is limited on pipes d355 and d400 mm. Not suitable for pipes if larger wall thickness than SDR 17 pipes.
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	d1 (mm)	Code	Weight (kg)	d2 (mm)	H (mm)	H1 (mm)	L (mm)	SW (mm)	SDR pipe
	63	32	**193 131 234**	0.469	19	145	50	165	13	9 - 11
	63	63	**193 131 237**	1.036	32	152	50	165	17	9 - 11
	75	32	**193 131 244**	0.618	19	151	50	165	13	9 - 11
	75	63	**193 131 247**	1.166	32	158	50	165	17	9 - 11
	90	32	**193 131 254**	0.543	19	158	50	165	13	9 - 11
	90	63	**193 131 257**	1.128	32	165	50	165	17	9 - 11
	110	32	**193 131 264**	0.607	19	168	50	165	13	9 - 11
	110	63	**193 131 267**	1.195	32	175	50	165	17	9 - 11
	125	32	**193 131 274**	0.659	19	176	50	165	13	9 - 11
	125	63	**193 131 277**	1.224	32	183	50	165	17	9 - 11
	140	32	**193 131 284**	0.679	19	183	50	165	13	9 - 11
	140	63	**193 131 287**	1.224	32	190	50	165	17	9 - 11
	160	32	**193 131 294**	0.652	19	193	50	165	13	9 - 11
	160	63	**193 131 297**	1.186	32	200	50	165	17	9 - 11
	180	32	**193 131 304**	0.777	19	203	50	165	13	9 - 26
	180	63	**193 131 307**	1.316	32	210	50	165	17	9 - 26
	200	32	**193 131 314**	0.854	19	213	50	165	13	9 - 26
	200	63	**193 131 317**	1.352	32	220	50	165	17	9 - 26
	225	32	**193 131 324**	0.856	19	226	50	165	13	11 - 26
	225	63	**193 131 327**	1.324	32	233	50	165	17	11 - 26
	250	32	**193 131 334**	0.787	19	238	50	165	13	11 - 26
	250	63	**193 131 337**	1.348	32	245	50	165	17	11 - 26
*	280	63	**193 131 347**	0.830	35	245	50	165	17	11 - 26
*	315 - 355	63	**193 131 357**	1.094	35	245	50	165	17	17 - 33
*	400	63	**193 131 377**	0.830	35	245	50	165	17	17 - 33



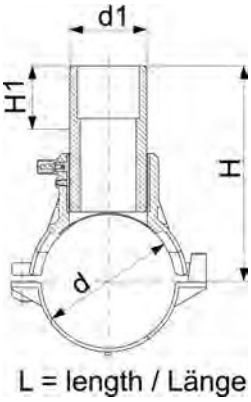


Spigot saddle

- **PE 100 SDR 11** (ISO S5)
- 10 bar Gas / 16 bar Water
- Complete with lower part
- 4 mm pin connectors
- Limited path fusion indicators
- d315 - 400 mm: application is limited on pipes d355 and d400 mm. Not suitable for pipes if larger wall thickness than SDR 17 pipes.
- *Delivery without lower part for assembling as Top Load with tool no. 799.350.477; angle adaptor (799.350.340) for fusion cable required

	d (mm)	d1 (mm)	Code	Weight (kg)	H (mm)	H1 (mm)	L (mm)
	63	32	**193 130 234**	0.434	145	50	165
	63	63	**193 130 237**	0.630	152	50	165
	75	32	**193 130 244**	0.634	151	50	165
	75	63	**193 130 247**	0.536	158	50	165
	90	32	**193 130 254**	0.508	158	50	165
	90	63	**193 130 257**	0.573	165	50	165
	110	32	**193 130 264**	0.590	168	50	165
	110	63	**193 130 267**	0.600	175	50	165
	125	32	**193 130 274**	0.594	176	50	165
	125	63	**193 130 277**	0.660	183	50	165
	140	32	**193 130 284**	0.638	183	50	165
	140	63	**193 130 287**	0.594	190	50	165

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	d (mm)	d1 (mm)	Code	Weight (kg)	H (mm)	H1 (mm)	L (mm)
	160	32	**193 130 294**	0.600	193	50	165
	160	63	**193 130 297**	0.658	200	50	165
	180	32	**193 130 304**	0.742	203	50	165
	180	63	**193 130 307**	0.771	210	50	165
	200	32	**193 130 314**	0.766	213	50	165
	200	63	**193 130 317**	0.762	220	50	165
	225	32	**193 130 324**	0.730	226	50	165
	225	63	**193 130 327**	0.782	233	50	165
	250	32	**193 130 334**	0.741	238	50	165
	250	63	**193 130 337**	0.792	245	50	165
*	280	63	**193 130 347**	0.400	245	50	165
*	315 - 355	63	**193 130 357**	0.503	245	50	165
*	400	63	**193 130 377**	0.400	245	50	165



Tapping key for saddles

- With adjustable tapping depth.

Type	Code	Weight (kg)	Description
WS - 10	**799 198 080**	0.114	for Monobloc d 40 mm and d 50 mm
WS - 17	**799 198 079**	0.556	for Monobloc d 63 mm, d 90 - 160 mm and all Duobloc saddles
WS - 12.7	**799 198 091**	0.600	for socket with cutter



Pressure test cap for Tapping saddles

- The cap has a Rp 3/8" connection thread and is made from galvanised steel.
- **Overview of Tapping Adapter types and Pressure Test Cap**
- M For Monobloc d 40 and 50 mm (outlets d 20 - 32 mm)
- S 54 For all saddles with rotatable outlet (outlets d 20 - 40 mm) i.e. Tapping Tee d 20 - 40 mm.
- S 67 For all Saddles with rotatable outlet (outlets d 50 and 63 mm) i.e. Tapping Tee d 63 mm.

Type	Code	Weight (kg)	Description
M	**799 199 282**	0.116	for Monobloc d 40 mm and d 50 mm
S 54	**799 199 283**	0.260	for Tapping Tee d 20 - 40 mm
S 67	**799 199 286**	0.430	for Tapping Tee outlet d 63 mm
MB	**799 199 287**	0.037	for Monobloc d63-160 mm



Tapping Adapter for saddles

- The Adapter is used for gas-free tapping under pressure. Type S 54 for tapping saddles with rotatable outlet d 20 - 40 mm (Tapping Tee d 32 mm). Type S 67 for tapping saddles with rotatable outlet d 50 - 63 mm (Tapping Tee d 63 mm).

Type	Code	Weight (kg)	Description
S 54	**799 100 061**	0.785	for Tapping Tee d 32 mm
S 67	**799 100 062**	1.011	for Tapping Tee d 63 mm



Hexagon key for saddles and branch fittings

- For tightening fixation screws.

Type	Code	Weight (kg)	Description
SW8	**799 150 378**	0.129	For all saddles and branch fittings