

gebo
FITS BETTER!



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Problem solver for the plumbers

For more than 80 years, the name GEBO has stood for high-quality and reliable solutions in installation technology. Every day, our products are used throughout Europe in the public, private and industrial sectors. Our ambition is to provide the trade with ever better, simpler and faster solutions. Our product range enables the installation and repair of steel, polyethylene, copper and multilayer composite pipes.

Discover the full range of products at
www.gebo.group



Dear Customer,

The **GEBO** brand stands for quality, reliability, efficiency and service in problem solving. Our goal is to satisfy your needs feasibly, so that we can grow together daily and live up to your expectations. Based on this premise and convinced to continue our improvement, we have decided to renew the image of our brand. The new **GEBO** logo is synonymous of continuous development, effort and improvement.

Thanks to our commitment, we offer you an efficient and quality product. This allows us to add to our brand the motto: "FITS BETTER", which means "GEBO – FITS BETTER".

Why does **GEBO** fits better? Because for over 80 years we have never stopped researching products, materials and systems and for these reasons we can proudly say that GEBO fits better! The logo is reinforced by three keywords that clearly describe GEBO's basic requirements: "BETTER. EASIER. FASTER" - "BETTER. EASIER. FASTER" - characteristics that fully reflect our products.

We continue to update our offer by introducing new features, with the primary goal of facilitating the work of the installer, proposing tools that allow to be an active part of the GEBO world and to be able to carry out your work in a "better, easier and faster" way.

We change structures, processes, and communication, ... to make the experience with you easier and more enjoyable.

Today, as never before, we want to thank you all for your trust and tireless loyalty. It is a great pleasure to work with you and be part of your working life.

This catalogue represents the complete range of **GEBO** branded products, divided into individual groups of articles, tailored to the specific needs of the installer.

The catalogue includes installation instructions, technical drawings, installation examples and certifications.

GEBO FITS BETTER!

Visit our website www.gebo.group

We wish to further strengthen of our relationship,

The GEBO Team

WHY CHOOSE THE GEBO **BRANDED PRODUCTS?**



GEBO means quality!

Quality control is carried out in every single phase of production, starting from the purchase of raw materials, through the entire production cycle, to the final product.

GEBO means fast delivery!

Orders for you are processed in the shortest possible time. Thanks to our express couriers we cover the whole of XXXLANDXX to guarantee prompt delivery..



GEBO is all about consulting and technical support!

We advise and help you in the choice of the best assortment, making products suitable for your needs. Our Sales Department is always at your disposal.

gebo
FITS BETTER!



GEBO is a guarantee of good quality.

We guarantee our products that are made of the highest quality materials. In addition, GEBO products are covered by insurance to ensure the highest level of security.

GEBO is synonymous of certified product!

GEBO products are tested regularly – internal as well as by accredited external laboratories.



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G-BUCKET - Easy hanging with carabiners



G-BUCKET

Only bucket

Art.Nr. 76000

- Collecting, draining, pouring, or simply emptying
- With the G-Bucket, you have the right tool for every situation!
- Thanks to its collapsible design and reinforced frame, it will always stay in shape, no matter how often you use it.
- Made of 0.9 mm thick PVC
- 20 liter capacity
- Carabiner for hanging or easy folding
- 3/4" brass connector for connecting a drain hose



COMPLETE-SET 1

G-Bucket + G-pump set + G-battery

Art.Nr. 76111

- 12 V pump including dirt strainer
- maximum flow rate 10 l/min
- maximum temperature of discharged liquid 60 °C
- including stainless steel holder and PVC handles in the bucket
- 3.3 m silicone hose including PVC hose clip (e.g. siphon, drain)
- Connection suitable for Bosch adapter or mains adapter
- **12 V battery suitable for Bosch adapters or devices for charging and operation with USB connection**



COMPLETE-SET 2

G-Bucket + G-pump set + G power supply unit

Art.Nr. 76121

- 12 V pump including dirt strainer
- maximum flow rate 10 l/min
- maximum temperature of discharged liquid 60 °C
- including stainless steel holder and PVC handles in the bucket
- 3.3 m silicone hose including PVC hose holder (e.g., siphon, drain)
- Connection suitable for Bosch adapter or mains adapter
- **230 V power supply with 12.6 V output including adapter for connection to the pump unit**

geboquick

**UNIVERSAL CAST IRON COMPRESSION
FITTINGS FOR GALVANIZED STEEL,
BLACK STEEL AND PE PIPES**



COMPLETE RANGE OF TYPES

GEBO Quick – universal compression fittings designed for connecting sections of water systems made of steel or PE.

Available pipe diameters: 1/2" – 2" for steel pipes, for black steel pipes from 20 - 63.5 mm and for PE pipes from 20 mm - 63 mm; for bigger diameters please see our product group GEBO Special.



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SUPPORT SLEEVES

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UNIVERSAL CAST IRON COMPRESSION FITTINGS

MATERIAL USED:

- **Fitting body:**
malleable cast iron EN-GJMB-350-10, EN 1562
- **Cone nut:**
malleable cast iron EN-GJMB-350-10, EN 1562
- **Compression ring:**
galvanized steel
- **Washer:**
galvanized steel
- **Sealing ring:**
NBR
- **Jointing thread:**
according to ISO 7/1 or DIN EN 10226-1
- **Galvanization:**
Hot-dip galvanising of the fitting body and cone nuts (Hot dip galvanising according to DIN EN 10242).
Surfaces exposed during machining are electro-galvanized.

AREAS OF APPLICATION:

Repairs of existing pipelines and new installations for different media.

Application:

FOR STEEL PIPES

DIN EN 10255

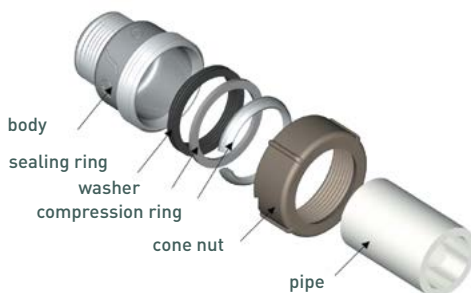
FOR BLACK STEEL PIPES

DIN EN 10220 series 1, 2 and 3

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893

GEBO fittings are designed for continuous operation.



TYPE QA **MALE THREAD COMPRESSION FITTING** **SERIES 195**

FOR STEEL PIPES	DIN EN 10255
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893



MEDIA: water, compressed air, gas

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE:

STEEL PIPES:
 Water: max. 25°C/max. 10 bar
 Heating water: max. 80°C/max. 6 bar
 Compressed air: max. 10 bar
 Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE PIPES:
 Water max. 20°C/max. 10 bar
 (for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:
 technical approval: national certificates depending on country
 hygienic certificate: national certificates depending on country
 water: DVGW certificate: DW-8511BU0380
 gas: DVGW certificate NG-4502BL0450

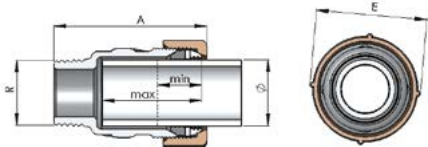
DN	Pipe outer-Ø [mm]	Jointing thread	Code
15	19.7 – 21.8	1/2"	17.195.00.01
20	24.6 – 27.3	3/4"	17.195.00.02
25	31.4 – 34.2	1"	17.195.00.03
32	40.0 – 42.9	1 1/4"	17.195.00.04
40	47.9 – 51.5	1 1/2"	17.195.00.05
50	59.7 – 63.6	2"	17.195.00.06

DIMENSIONS AND WEIGHTS

DN	Connecting thread R ISO 7/1	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length ~A [mm]	Fitting width ~E [mm]	Pipe inser-tion depth min. [mm]	Pipe inser-tion depth max. [mm]
			Pipe outer-Ø [mm]	Pipe outer-Ø [mm]	Pipe outer-Ø [mm]					
15	1/2"	19.7 – 21.8	21.3	20	20 x 1.9	0.180	65	42	23	39
20	3/4"	24.6 – 27.3	26.9	25	25 x 2.3	0.250	74	48	24	44
25	1"	31.4 – 34.2	33.7	31.8	32 x 2.9	0.335	78	56	24	45
32	1 1/4"	40.0 – 42.9	42.4	-	40 x 3.7	0.550	86	67	27	54
40	1 1/2"	47.9 – 51.5	48.3	51	50 x 4.6	0.565	89	72	25	55
50	2"	59.7 – 63.6	60.3	63.5	63 x 5.8	1.030	107	92	35	67

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



TYPE QI	FEMALE THREAD COMPRESSION FITTING	SERIES 195
FOR STEEL PIPES	DIN EN 10255	
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3	
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893	

MEDIA: water, compressed air, gas

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE: STEEL PIPES:

Water: max. 25°C/max. 10 bar

Heating water: max. 80°C/max. 6 bar

Compressed air: max. 10 bar

Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE pipes:

Water max. 20°C/max. 10 bar

(for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:

technical Approval: national certificates depending on country

hygienic certificate: national certificates depending on country

water: DVGW certificate: DW-8511BU0380

gas: DVGW certificate NG-4502BL0450



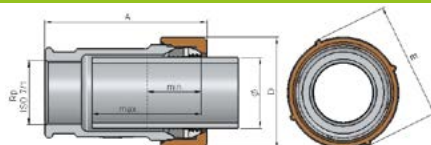
DN	Pipe outer-Ø [mm]	Jointing thread	Code
15	19.7 – 21.8	1/2"	17.195.01.01
20	24.6 – 27.3	3/4"	17.195.01.02
25	31.4 – 34.2	1"	17.195.01.03
32	40.0 – 42.9	1 1/4"	17.195.01.04
40	47.9 – 51.5	1 1/2"	17.195.01.05
50	59.7 – 63.6	2"	17.195.01.06

DIMENSIONS AND WEIGHTS

DN	Connecting thread Rp ISO 7/1	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length ~A [mm]	Fitting width ~E [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
			Pipe outer-Ø [mm]	Pipe outer-Ø [mm]	Pipe outer-Ø [mm]					
15	1/2"	19.7 – 21.8	21.3	20	20 x 1.9	0.192	67	42	23	42
20	3/4"	24.6 – 27.3	26.9	25	25 x 2.3	0.255	72	48	24	44
25	1"	31.4 – 34.2	33.7	31.8	32 x 2.9	0.345	78	56	24	49
32	1 1/4"	40.0 – 42.9	42.4	-	40 x 3.7	0.550	84	67	27	52
40	1 1/2"	47.9 – 51.5	48.3	51	50 x 4.6	0.560	87	72	25	58
50	2"	59.7 – 63.6	60.3	63.5	63 x 5.8	1.016	105	92	35	71

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



TYPE Q0 **COMPRESSION FITTING FOR CLAMPING ON BOTH SIDES** **SERIES 195**

FOR STEEL PIPES	DIN EN 10255
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893



MEDIA: water, compressed air, gas

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE:

STEEL PIPES:
 Water: max. 25°C/max. 10 bar
 Heating water: max. 80°C/max. 6 bar
 Compressed air: max. 10 bar
 Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE pipes:
 Water max. 20°C/max. 10 bar
 (for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:
 technical Approval: national certificates depending on country
 hygienic certificate: national certificates depending on country
 water: DVGW certificate: DW-8511BU0380
 gas: DVGW certificate NG-4502BL0450

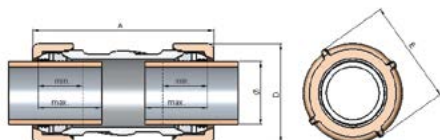
DN	Pipe outer-Ø [mm]	Code
15	19.7 – 21.8	17.195.02.01
20	24.6 – 27.3	17.195.02.02
25	31.4 – 34.2	17.195.02.03
32	40.0 – 42.9	17.195.02.04
40	47.9 – 51.5	17.195.02.05
50	59.7 – 63.6	17.195.02.06

DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length -A [mm]	Fitting width -E [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
		Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]					
15	19.7 – 21.8	21.3	20	20 x 1.9	0.186	88	42	23	32
20	24.6 – 27.3	26.9	25	25 x 2.3	0.254	91	48	24	35
25	31.4 – 34.2	33.7	31.8	32 x 2.9	0.335	98	56	24	38
32	40.0 – 42.9	42.4	-	40 x 3.7	0.566	107	67	27	44
40	47.9 – 51.5	48.3	51	50 x 4.6	0.552	107	72	25	44
50	59.7 – 63.6	60.3	63.5	63 x 5.8	1.000	128	92	35	54

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



TYPE QT	TEE COMPRESSION FITTING FOR CLAMPING ON BOTH SIDES + OUTLET WITH FEMALE THREAD	SERIES 195
FOR STEEL PIPES	DIN EN 10255	
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3	
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893	

MEDIA: water, compressed air, gas

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE: STEEL PIPES:

Water: max. 25°C/max. 10 bar

Heating water: max. 80°C/max. 6 bar

Compressed air: max. 10 bar

Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE PIPES:

Water max. 20°C/max. 10 bar

(for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:

technical Approval: national certificates depending on country

hygienic certificate: national certificates depending on country

water: DVGW certificate: DW-8511BU0380

gas: DVGW certificate NG-4502BL0450



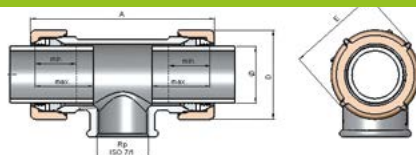
DN	Pipe outer-Ø [mm]	Jointing thread	Code
15	19.7 – 21.8	1/2"	17.195.04.01
20	24.6 – 27.3	3/4"	17.195.04.02
25	31.4 – 34.2	1"	17.195.04.03
32	40.0 – 42.9	1 1/4"	17.195.04.04
40	47.9 – 51.5	1 1/2"	17.195.04.05
50	59.7 – 63.6	2"	17.195.04.06

DIMENSIONS AND WEIGHTS

DN	Connecting thread Rp ISO 7/1	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length ~A [mm]	Fitting width ~E [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
			Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]					
15	1/2"	19.7 – 21.8	21.3	20	20 x 1.9	0.237	92	42	23	31
20	3/4"	24.6 – 27.3	26.9	25	25 x 2.3	0.309	100	48	24	33
25	1"	31.4 – 34.2	33.7	31.8	32 x 2.9	0.444	112	56	24	35
32	1 1/4"	40.0 – 42.9	42.4	-	40 x 3.7	0.731	128	67	27	40
40	1 1/2"	47.9 – 51.5	48.3	51	50 x 4.6	0.776	130	72	25	38
50	2"	59.7 – 63.6	60.3	63.5	63 x 5.8	1.327	161	92	35	49

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



TYP QTO **COMPRESSION FITTING WITH CLAMPING ON THREE SIDES** **SERIES 195**

FOR STEEL PIPES	DIN EN 10255
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893



MEDIA: water, gas, compressed air

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE:
STEEL PIPES:
 Water: max. 25°C/max. 10 bar
 Heating water: max. 80°C/max. 6 bar
 Compressed air: max. 10 bar
 Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE PIPES:
 Water max. 20°C/max. 10 bar
 (for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:
 technical Approval: national certificates depending on country
 hygienic certificate: national certificates depending on country
 water: DVGW certificate: DW-8511BU0380
 gas: DVGW certificate NG-4502BL0450

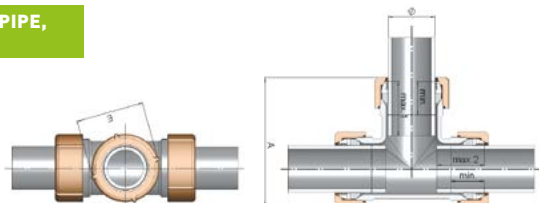
DN	Pipe outer-Ø [mm]	Code
15	19.7 – 21.8	17.195.10.01
20	24.6 – 27.3	17.195.10.02
25	31.4 – 34.2	17.195.10.03
32	40.0 – 42.9	17.195.10.04
40	47.9 – 51.5	17.195.10.05
50	59.7 – 63.6	17.195.10.06

DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length -A [mm]	Fitting width -E [mm]	Depth of insertion min. [mm]	Pipe insertion depth max. [mm]	Pipe insertion depth max. 2 [mm]
		Pipe Outer-Ø [mm]	Pipe Outer-Ø-Ø [mm]	Pipe Outer-Ø [mm]						
15	19.7 – 21.8	21.3	20	20 x 1.9	0.431	75	42	23	35	30
20	24.6 – 27.3	26.9	25	25 x 2.3	0.548	83	48	24	40	30
25	31.4 – 34.2	33.7	31.8	32 x 2.9	0.725	92	56	24	40	30
32	40.0 – 42.9	42.4	-	40 x 3.7	1.205	106	67	27	45	40
40	47.9 – 51.5	48.3	51	50 x 4.6	1.178	110	72	25	40	35
50	59.7 – 63.6	60.3	63.5	63 x 5.8	2.370	152	92	35	65	50

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



TYPE QWO	COMPRESSION FITTING - ELBOW, CLAMPING ON BOTH SIDES	SERIES 195
FOR STEEL PIPES	DIN EN 10255	
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3	
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893	

MEDIA: water, gas, compressed air

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE: STEEL PIPES:

Water: max. 25°C/max. 10 bar

Heating water: max. 80°C/max. 6 bar

Compressed air: max. 10 bar

Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE PIPES:

Water max. 20°C/max. 10 bar

(for PE installation the use of GEBO support sleeves is absolutely necessary)

CERTIFICATES:

technical Approval: national certificates depending on country

hygienic certificate: national certificates depending on country

water: DVGW certificate: DW-8511BU0380

gas: DVGW certificate NG-4502BL0450



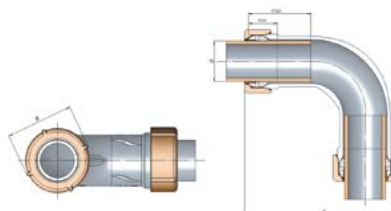
DN	Pipe outer-Ø [mm]	Code
15	19.7 – 21.8	17.195.08.01
20	24.6 – 27.3	17.195.08.02
25	31.4 – 34.2	17.195.08.03
32	40.0 – 42.9	17.195.08.04
40	47.9 – 51.5	17.195.08.05
50	59.7 – 63.6	17.195.08.06

DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø from... to [mm]	STEEL PIPES	BLACK STEEL PIPES	PE PIPES	Weight [kg]	Installation length -A [mm]	Fitting width ~E [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
		Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]	Pipe Outer-Ø [mm]					
15	19.7 – 21.8	21.3	20	20 x 1.9	0.400	109	42	23	35
20	24.6 – 27.3	26.9	25	25 x 2.3	0.514	115	48	24	38
25	31.4 – 34.2	33.7	31.8	32 x 2.9	0.675	123	56	24	45
32	40.0 – 42.9	42.4	-	40 x 3.7	1.060	140	67	27	52
40	47.9 – 51.5	48.3	51	50 x 4.6	1.226	150	72	25	54
50	59.7 – 63.6	60.3	63.5	63 x 5.8	2.278	194	92	35	74

COMPRESSION FITTINGS FOR STEEL PIPE, BLACK STEEL PIPES AND PE PIPES

For PE installation the use of GEBO support sleeves is necessary.



SUPPORT SLEEVES MADE OF BRASS FOR PLASTIC PIPES MADE OF PE80, PE100 AND PE-XA



- pipe series S5, SDR 11

	length	Code		length	Code
20 x 1.9	60	03.354.75.2019	40 x 3.7	75	03.354.75.4037
25 x 2.3	65	03.354.75.2523	50 x 4.6	80	03.354.75.5046
32 x 2.9	70	03.354.75.3230	63 x 5.8	90	03.354.75.6358

ASSEMBLY INSTRUCTION GEBQUICK

SERIES 195

FOR STEEL PIPES	DIN EN 10255
FOR BLACK STEEL PIPES	DIN EN 10220 series 1, 2 and 3
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11 series) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/8075, DIN EN 12201-2 and DIN 16893

Jointing thread ISO 7/1 / pipe size	1/2"	3/4"	1"
Pipe outer diameter [mm]	19.7 – 21.8	24.6 – 27.3	31.4 – 34.2
Jointing thread ISO 7/1 / pipe size	1 1/4"	1 1/2"	2"
Pipe outer diameter [mm]	40.0 – 42.9	47.9 – 51.5	59.7 – 63.6

APPLICATIONS AND OPERATING TEMPERATURES/OPERATING PRESSURE:

STEEL PIPES:

Water: max. 25°C/max. 10 bar

Heating water: max. 80°C/max. 6 bar

Compressed air: max. 10 bar

Gas (outside buildings) for steel pipes only according to DIN EN 10255 and DIN EN 10220 series 1: ambient temperature -20 °C to +60 °C/max. 5 bar

PE PIPES:

Water max. 20°C/max. 10 bar (for PE installation the use of GEB0 support sleeves is absolutely necessary)

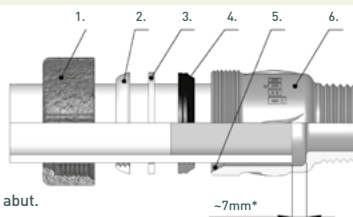
CERTIFICATES: technical approval: national certificates depending on country; hygienic certificate: national certificates depending on country; water: DVGW certificate: DW-8511BU0380; gas: DVGW certificate NG-4502BL0450

ASSEMBLY PROCESS:

the slitted compression ring [2] allows a straight assembly as well as an angled assembly with the pipes to be connected.

1. Detach the pipe end which is to be connected vertically to the axis. The pipe end must be burr-free, unshaped and without thread. Coatings and impurities are to be removed.
2. Insert the cone nut (1), compression ring (2), washer (3) and sealing element (4) as illustrated into the pipe end.
3. Insert the sealing element (4) at least 10 mm over the pipe end.
4. Insert the pipe end into the sealing chamber (5) of the fitting body (6) with the individual elements, check for perfect fit.
5. Screw together the cone nut (1) with the fitting body (6). In doing so, please pay attention that the pipe does not rotate simultaneously.

1. Cone nut
2. Compression ring
3. Washer
4. Sealing ring
5. Sealing chamber
6. Fitting body

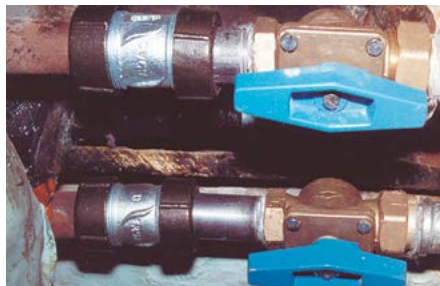


* Pay special attention to installation length!

Pipes must not be inserted up to the end stop or in the case of couplings not abut.

APPLICATION EXAMPLES:**UNIVERSAL CAST IRON COMPRESSION FITTINGS**

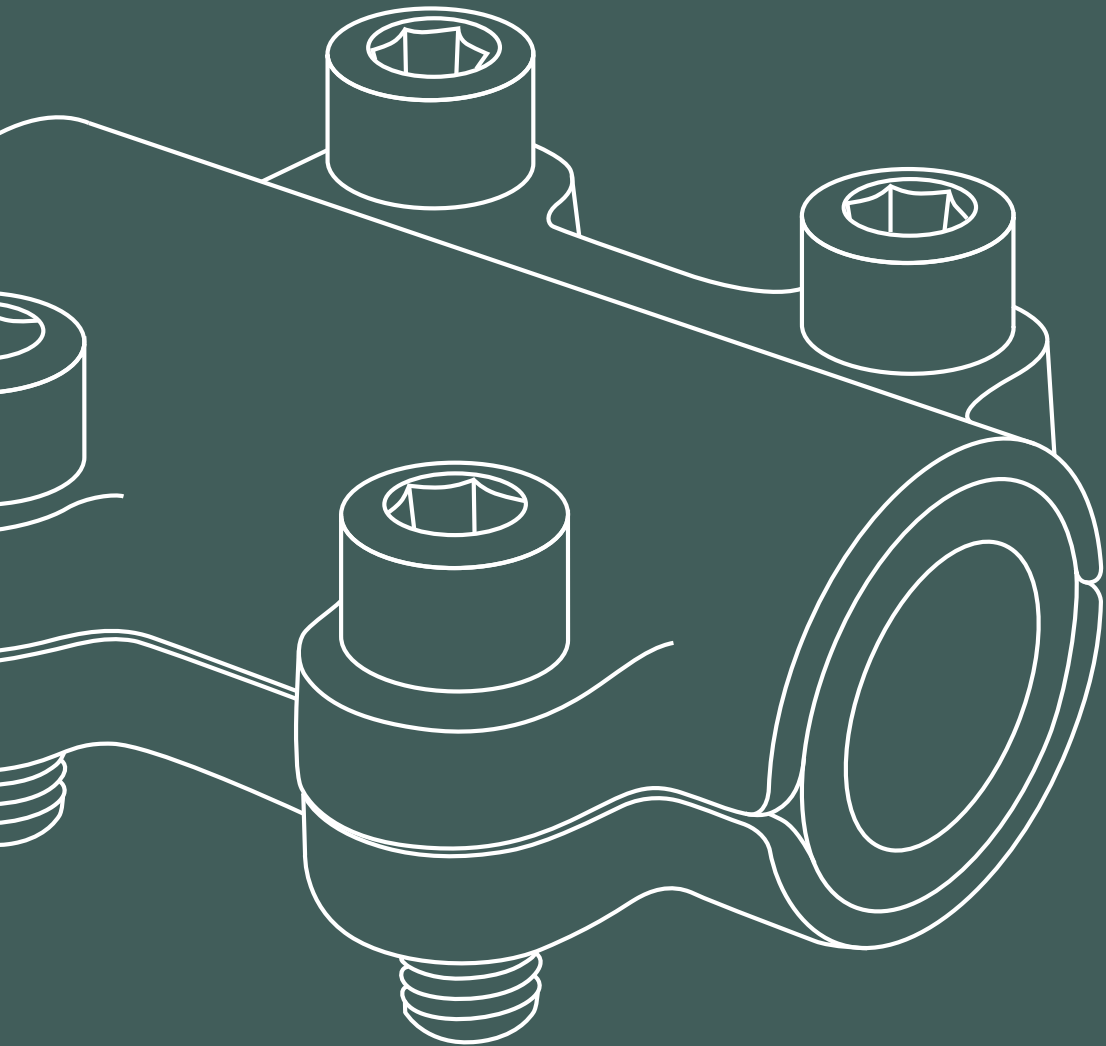
GEBO Quick fittings are used mainly for repairs and overhauls of pipelines and water systems and for construction of new systems.

**CERTIFICATES**

Products from the GEBO Quick range have the following certificates:

- technical approval national certificates depending on country
- hygienic certificate: national certificates depending on country
- water: DVGW certificate: DW-8511BU0380
- gas: DVGW certificate NG-4502BL0450

**PLEASE ASK AT OUR SALES OFFICES
FOR NATIONAL CERTIFICATES.**



A close-up photograph of industrial pipes. A central horizontal pipe is connected to a vertical pipe from the top right. Two other pipes branch off from the bottom left. Three Gebo clamps are visible: a brass one on the top-right pipe, and two silver ones on the bottom-left pipes. The background is a dark, textured surface.

gebo clamps

SEALING AND TAPPING CLAMPS

COMPLETE RANGE OF TYPES SEALING AND TAPPING CLAMPS

GEBO Clamps – clamps for sealing holes, cracks and porous areas as well as tapping clamps for installing additional branches – both for water-bearing pipes



TYPE DS SEALING CLAMP, LONG VERSION

page 24



TYPE DSK SEALING CLAMP, SHORT VERSION

page 25



TYPE ANB TAPPING CLAMP

page 26



TYPE DSK SEALING CLAMP, SHORT VERSION FOR PE PIPES

page 30



TYPE ANB TAPPING CLAMP FOR PE PIPES

page 31



TYPE MD SEALING CLAMP FOR COPPER PIPES

page 33



TYPE MB TAPPING CLAMP FOR COPPER PIPES

page 34

CAST IRON SEALING AND TAPPING CLAMPS TYPES DS, DSK, ANB

MATERIAL USED:

- **Top and bottom part of the clamp:** spheroidal graphite cast iron DIN EN 1563 respectively malleable cast iron DIN EN 1562
- **Screws:** galvanized steel, strength 8.8
- **Sealing sleeve:** EPDM
- **Galvanization:** electrogalvanizing
- **Jointing thread:** according to ISO 7/1 resp. DIN EN 10226-1

AREAS OF APPLICATION:**DSK sealing clamps of cast iron for steel pipes:****FOR STEEL PIPES**

DIN EN 10255 and DIN EN 10220 series 1

Typical areas of application:

- sealing of holes caused by mechanical damage in water pipes
- sealing of corrosion holes in water pipes
- sealing of oil-free compressed air pipes
- sealing leaks caused by frost in water pipes

ANB tapping clamps of cast iron for steel pipes:**FOR STEEL PIPES**

DIN EN 10255 and DIN EN 10220 series 1

Typical areas of application:

- construction of additional branches in water systems
- construction of additional branches on heating pipes

DS sealing clamps of cast iron for steel pipes:**FOR STEEL PIPES**

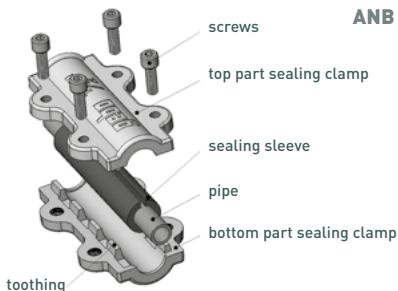
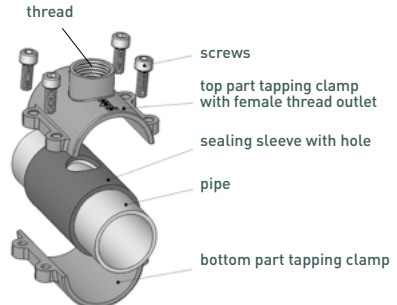
DIN EN 10255 and DIN EN 10220 series 1

Typical applications:

- sealing of holes caused by mechanical damage in water pipes
- sealing of corrosion holes in water pipes
- sealing of oil-free compressed air pipes
- sealing leaks caused by frost in water pipes
- in the case of cold water, installation in a wall is possible (pressure test required).

All GEBO clamps are designed for continuous operation.**Recommendations:**

for the centre drilling process, we recommend using keyhole saws to avoid damage to the turns of the threads.

DS**ANB**

SEALING CLAMP OF CAST IRON LONG VERSION

TYPE DS

FOR SEALING HOLES, CRACKS AND POROUS AREAS

FOR STEEL PIPES

DIN EN 10255 and DIN 10220 serie 1



SERIES 252: 21.3-114.3 mm; **SERIES 260:** 17.2 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

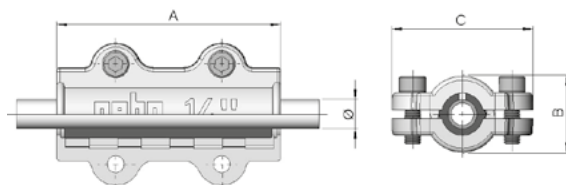
Water max. 25 °C/max. 16 bar
 Heatingwater max. 90°C/max. 6 bar
 Oil-free compressed air max. 10 bar

DN	Pipe Outer-Ø [mm]	Code
10	17.2 (3/8")	01.260.28.00
15	21.3 (1/2")	01.252.28.01
20	26.9 (3/4")	01.252.28.02
25	33.7 (1")	01.252.28.03
32	42.4 (1 1/4")	01.252.28.04
40	48.3 (1 1/2")	01.252.28.05
50	60.3 (2")	01.252.28.06
65	76.1 (2 1/2")	01.252.28.07
80	88.9 (3")	01.252.28.08
100	114.3 (4")	01.252.28.09

DIMENSIONS AND WEIGHTS

DN	Pipe Outer-Ø [mm]	Weight [kg]	Length		
			-A [mm]	-B [mm]	-C [mm]
10	17.2	0,3	70	28	53
15	21.3	1.1	134	45	84
20	26.9	1.1	134	50	88
25	33.7	1.3	134	57	98
32	42.4	1.5	134	70	105
40	48.3	1.6	134	75	112
50	60.3	1.8	134	90	122
65	76.1	2.2	134	105	139
80	88.9	3.0	134	115	155
100	114.3	3.0	134	140	194

SEALING CLAMPS FOR 17.2 - 114.3 MM FOR STEEL PIPES TYPE DS



SEALING CLAMP OF CAST IRON SHORT VERSION

TYPE DSK

FOR SEALING HOLES, CRACKS AND POROUS CORROSION AREAS

FOR STEEL PIPES

DIN EN 10255 and DIN 10220 serie 1

SERIES 260: 17.2 mm - 114,3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water max. 25 °C/max. 16 bar
 Heatingwater max. 90°C/max. 6 bar
 Oil-free compressed air max. 10 bar

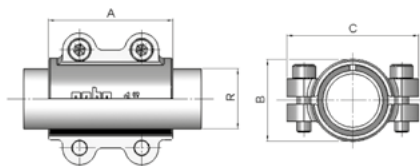


DN	Pipe Outer- \varnothing [mm]	Code
10	17.2 (3/8")	01.260.28.00
15	21.3 (1/2")	01.260.28.01
20	26.9 (3/4")	01.260.28.02
25	33.7 (1")	01.260.28.03
32	42.4 (1 1/4")	01.260.28.04
40	48.3 (1 1/2")	01.260.28.05
50	60.3 (2")	01.260.28.06
65	76.1 (2 1/2")	01.260.28.07
80	88.9 (3")	01.260.28.08
100	114.3 (4")	01.260.28.09

DIMENSIONS AND WEIGHTS

DN	Pipe Outer- \varnothing [mm]	Weight [kg]	Length		
			-A [mm]	-B [mm]	-C [mm]
10	17.2	0.21	70	28	53
15	21.3	0.30	70	33	60
20	26.9	0.35	70	40	70
25	33.7	0.46	70	46	74
32	42.4	0.64	80	57	86
40	48.3	1.03	110	66	94
50	60.3	1.27	100	80	109
65	76.1	1.99	100	100	140
80	88.9	2.38	100	115	150
100	114.3	3.31	100	140	187

SEALING CLAMPS FOR 17.2 - 114.3 MM FOR STEEL PIPES TYPE DSK



TAPPING CLAMP

TYPE ANB

OUTLET WITH FEMALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1



SERIES 261: 17.2 - 114.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water max. 25 °C/max. 16 bar

Heatingwater max. 90°C/max. 6 bar

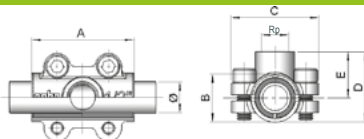
DN	Pipe Outer-Ø [mm] x Jointing thread	Code
10	17.2 × 3/8"	01.261.28.0000
15	21.3 × 1/2"	01.261.28.0101
20	26.9 × 1/2"	01.261.28.0201
25	33.7 × 1/2"	01.261.28.0301
25	33.7 × 3/4"	01.261.28.0302
32	42.4 × 3/4"	01.261.28.0402
40	48.3 × 3/4"	01.261.28.0502
50	60.3 × 1"	01.261.28.0603
65	76.1 × 1"	01.261.28.0703

DN	Pipe Outer-Ø [mm] x Jointing thread	Code
65	76.1 × 1 1/4"	01.261.28.0704
65	76.1 × 1 1/2"	01.261.28.0705
80	88.9 × 1"	01.261.28.0803
80	88.9 × 1 1/4"	01.261.28.0804
80	88.9 × 1 1/2"	01.261.28.0805
80	88.9 × 2"	01.261.28.0806
100	114.3 × 1"	01.261.28.0903
100	114.3 × 1 1/4"	01.261.28.0904
100	114.3 × 1 1/2"	01.261.28.0905
100	114.3 × 2"	01.261.28.0906

DIMENSIONS AND WEIGHTS

DN	Outlet thread Rp ISO 7/1	STEEL PIPES		Installation length				
		Pipe Outer-Ø [mm]	Weight [kg]	~A [mm]	~B [mm]	~C [mm]	~D [mm]	~E [mm]
10	3/8"	17.2	0.2	70	28	53	36	22
15	1/2"	21.3	0.3	70	33	60	50	31
20	1/2"	26.9	0.4	70	40	70	55	32
25	1/2"	33.7	0.5	70	46	74	61	37
25	3/4"	33.7	0.5	70	46	74	61	37
32	3/4"	42.4	0.6	80	57	86	75	45
40	3/4"	48.3	1.0	100	66	94	85	48
50	1"	60.3	1.2	100	80	109	100	60
65	1"	76.1	2.0	100	100	140	115	65
65	1 1/4"	76.1	2.0	100	100	140	115	65
65	1 1/2"	76.1	2.0	100	100	140	115	65
80	1"	88.9	2.4	100	115	150	131	75
80	1 1/4"	88.9	2.4	100	115	150	131	75
80	1 1/2"	88.9	2.4	100	115	150	131	75
80	2"	88.9	3.2	135	115	150	136	75
100	1"	114.3	2.9	100	140	187	160	90
100	1 1/4"	114.3	3.3	100	140	187	160	90
100	1 1/2"	114.3	3.3	100	140	187	160	90
100	2"	114.3	4.4	135	140	187	165	90

TAPPING CLAMPS FOR 17.2 - 114.3 MM FOR STEEL PIPES TYPE ANB



SEALING CLAMPS

ASSEMBLY INSTRUCTIONS FOR THE DS AND DSK SEALING CLAMPS/SERIES 260 + 252

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

Outer size of steel pipe [mm]	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3
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OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water max. 25 °C/max. 16 bar

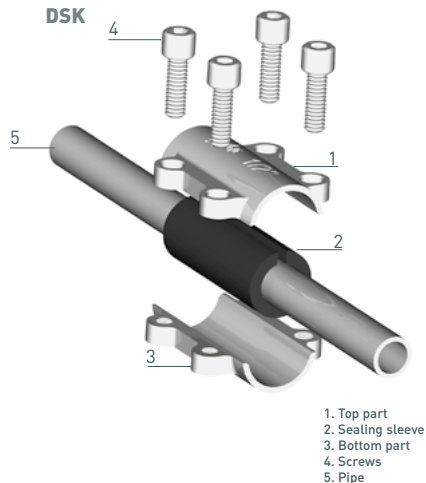
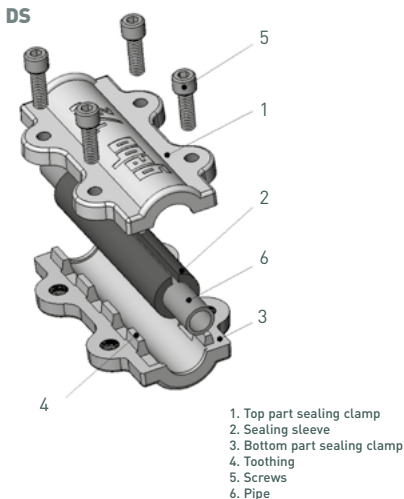
Heatingwater max. 90°C/max. 6 bar

Oil-free compressed air max. 10 bar

APPLICATION: sealing clamps are designed to seal holes and cracks caused, for example, by corrosion or mechanical damage!

INSTRUCTIONS FOR USE:

1. Clean pipe (5) around the damaged area.
2. Place sealing sleeve (2) around pipe (5).
3. Rotate the slot of the sealing sleeve (2) on the opposite site of the damaged location. Cover the damaged location as much as possible with the sleeve (2).
4. Join bottom part (3) to the sleeve (2).
5. Join top part (1) to the sleeve (2).
6. Thread in the screws (4).
7. Tighten screws diagonally (4) with Allen key



ASSEMBLY INSTRUCTION FOR TAPPING CLAMP TYPE ANB / SERIES 261

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

Outer size of steel pipe [mm]	17.2	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3
outlet ISO 7/1	3/8"	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1"	1"	1"
				3/4"				1 1/4"	1 1/4"	1 1/4"
								1 1/2"	1 1/2"	1 1/2"
									2"	2"

OUTLET: female thread Rp ISO 7/1

OPERATING TEMPERATURES AND OPERATING PRESSURE:

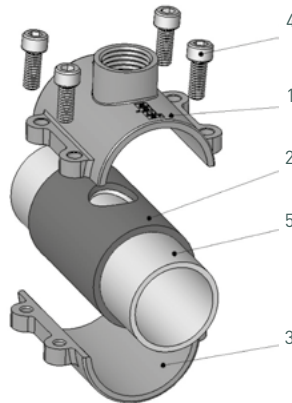
Water max. 25 °C/max. 16 bar

Heatingwater max. 90°C/max. 6 bar

APPLICATION: the tapping clamps are designed for installation of additional branches.

INSTRUCTIONS FOR USE:

1. Clean pipe (5) at the desired centre drilling location.
2. Place the sealing sleeve (2) around the pipe (5).
3. Rotate the sealing sleeve (2) such that the pre-machined hole is placed in the sealing sleeve at the centre drilling.
4. Join top part (1) on the sleeve (2) such that the outlet is covered with the hole in the sleeve (2).
5. Place the bottom part (3) around the sleeve (2).
6. Thread in the screws (4).
7. Tighten screws (4) with Allen key diagonally.
8. Drill with a suitable tool.



1. Top part with the female thread outlet
2. Sealing sleeve with the hole
3. Bottom part
4. Screws
5. Pipe

AREAS OF APPLICATION:**DSK sealing clamps, short version, of cast iron for PE pipes / Series 26P:****FOR PE PIPES**

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

Typical areas of application:

- sealing of holes caused by mechanical damage in water pipes
- sealing leaks caused by frost in water pipes

ANB tapping clamps of cast iron for PE pipes / Series 21P:**FOR PE PIPES**

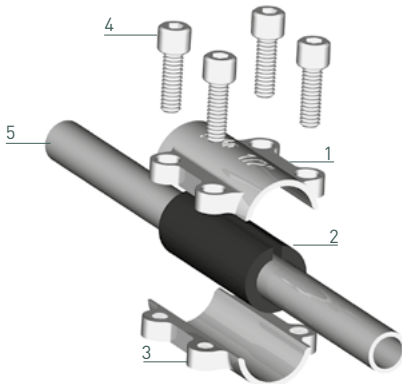
PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

Typical areas of application:

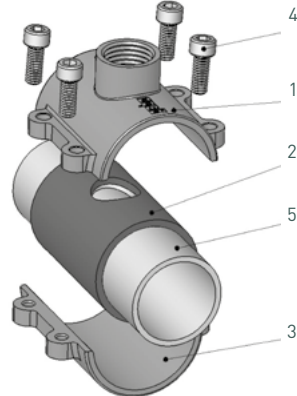
- construction of additional branches in water systems

Recommendations:

for the centre drilling process, we recommend using keyhole saws to avoid damage to the turns of the threads.

DSK

1. Top part
2. Sealing sleeve
3. Bottom part
4. Screws
5. Pipe

ANB

1. Top part with the female thread outlet
2. Sealing sleeve with the hole
3. Bottom part
4. Screws
5. Pipe

SEALING CLAMP OF CAST IRON

TYPE DSK

SEALING CLAMP, SHORT VERSION / SERIES 26P

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: water

TEMPERATURE: cold water max. 20°C

OPERATING PRESSURE: max. 10 bar

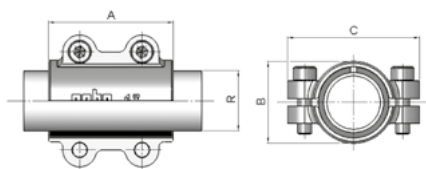


DN	Pipe Outer-Ø [mm]	Code
15	20	03.260.28.20
20	25	03.260.28.25
25	32	03.260.28.32
32	40	03.260.28.40
40	50	03.260.28.50
50	63	03.260.28.63
65	75	03.260.28.75
80	90	03.260.28.90
100	110	03.260.28.110

MEASURES AND WEIGHTS

DN	PE DE-Ø [MM]	WEIGHT [KG]	WIDTH		
			~A [MM]	~B [MM]	~C [MM]
15	20	0,30	70	33	60
20	25	0,40	70	40	70
25	32	0,46	70	46	74
32	40	0,64	80	57	86
40	50	1,025	100	66	94
50	63	1,270	100	80	109
65	75	1,990	100	100	140
80	90	2,285	100	115	150
100	110	3,310	100	140	187

SEALING CLAMPS FOR 20 - 110 MM FOR PE PIPES TYPE DSK



TAPPING CLAMP

TYPE ANB

TAPPING CLAMP OUTLET WITH FEMALE THREAD / SERIES 21P

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

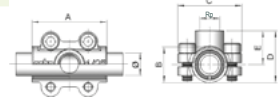
MEDIA: water

TEMPERATURE: cold water max. 20°C

OPERATING PRESSURE: max. 10 bar



DN	Pipe Outer-Ø [mm] x Thread outlet	Code
15	20 x 1/2"	03.261.28.2001
20	25 x 1/2"	03.261.28.2501
25	32 x 1/2"	03.261.28.3201
	32 x 3/4"	03.261.28.3202
32	40 x 3/4"	03.261.28.4002
40	50 x 3/4"	03.261.28.5002
	63 x 1"	03.261.28.6303
65	75 x 1"	03.261.28.7503
	75 x 1 1/4"	03.261.28.7504
	75 x 1 1/2"	03.261.28.7505
80	90 x 1"	03.261.28.9003
	90 x 1 1/4"	03.261.28.9004
	90 x 1 1/2"	03.261.28.9005
	90 x 2"	03.261.28.9006
110	110 x 1"	03.261.28.11003
	110 x 1 1/4"	03.261.28.11004
	110 x 1 1/2"	03.261.28.11005
	110 x 2"	03.261.28.11006



MEASURE AND WEIGHTS

DN	PE DE-Ø [MM]	DERIVATION THREAD INTERNAL Rp ISO 7/1	WEIGHT [KG]	WIDTH				
				~A [MM]	~B [MM]	~C [MM]	~D [MM]	~E [MM]
15	20	1/2"	0,3	70	33	60	50	31
20	25	1/2"	0,4	70	40	70	55	32
25	32	1/2"	0,5	70	46	74	61	37
		3/4"	0,5	70	46	74	61	37
32	40	3/4"	0,6	80	57	86	75	45
40	50	3/4"	1,0	100	66	94	85	48
50	63	1"	1,2	100	80	109	100	60
65	75	1"	2,0	100	100	140	115	65
		1 1/4"	2,0	100	100	140	115	65
		1 1/2"	2,0	100	100	140	115	65
80	90	1"	2,4	100	115	150	131	75
		1 1/4"	2,4	100	115	150	131	75
		1 1/2"	2,4	100	115	150	131	75
		2"	3,2	135	115	150	136	75
100	110	1"	2,9	100	140	187	160	90
		1 1/4"	3,3	100	140	187	160	90
		1 1/2"	3,3	100	140	187	160	90
		2"	4,4	135	140	187	165	90

SEALING AND TRAPPING CLAMPS MADE OF BRASS, TYPE MD AND TYPE MB**MATERIAL USED:**

- **Sealing clamps top part and bottom part:**
brass
- **Socket screws:**
galvanized steel, strength 8.8
- **Sealing sleeve:**
EPDM
- **Connecting thread:**
according to ISO 7/1 respectively DIN EN 10226-1

AREAS OF APPLICATION:

- **Sealing clamps made of brass for copper pipe:**

Copper pipes conforming DIN EN 1057 hard R290 and soft R220.

Also suitable for stainless steel pipe, if the pipe outer- \emptyset of the stainless steel pipe is corresponding to the copper pipe.

Typical areas of application:

Sealing of holes and cracks caused by mechanical damage in water pipes

Sealing of corrosion holes in water pipes

- **Tapping clamp made of brass for copper pipes:**

Copper pipes conforming DIN EN 1057 hard R290 and soft R220

Typical areas of application:

Tapping clamps for drinking water pipelines for additional branches

Tapping clamps for heating pipes for additional branches

All metal materials in contact with drinking water are according to the 4MSI composition list for metallic materials used for products in contact with drinking water.

SEALING CLAMP

TYPE MD

FOR SEALING HOLES, CRACKS AND POROUS AREAS

FOR COPPER PIPES

DIN EN 1057



SERIES 620: 10 - 54 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Drinkingwater max. 25 °C/max. 10 bar

Heatingwater max. 90°C/max. 6 bar; for CU-pipe soft max. 4 bar

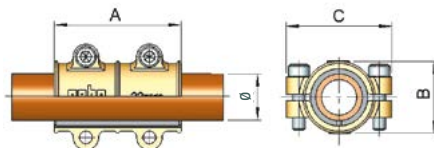
DN	Pipe outer- \emptyset [mm]	Code
8	10	04.620.60.10
10	12	04.620.60.12
12	14	04.620.60.14
12	15	04.620.60.15
12	16	04.620.60.16
15	18	04.620.60.18
20	22	04.620.60.22
25	28	04.620.60.28
32	35	04.620.60.35
40	42	04.620.60.42
50	54	04.620.60.54

DIMENSIONS AND WEIGHTS

DN	COPPER PIPES		Installation length		
	size [mm]	Weight [kg]	-A [mm]	-B [mm]	-C [mm]
8	10.0	0.080	45	21	31
10	12.0	0.090	45	22	32
12	14.0	0.140	50	24	34
12	15.0	0.140	50	26	42
12	16.0	0.140	50	28	44
15	18.0	0.133	50	29	45
20	22.0	0.189	60	34	50
25	28.0	0.256	70	41	57
32	35.0	0.383	70	49	69
40	42.0	0.548	80	58	78
50	54.0	0.900	100	72	92

SEALING CLAMP FOR COPPER PIPES

10 - 54 mm



TAPPING CLAMP

TYPE MB

OUTLET WITH FEMALE THREAD

FOR COPPER PIPES

DIN EN 1057

SERIES 621: 15 – 54 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Drinkingwater max. 25 °C/max. 10 bar

Heatingwater max. 90°C/max. 6 bar; for CU-pipe soft max. 4 bar



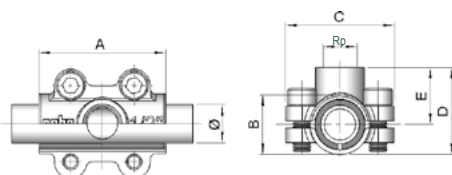
DN	Pipe outer- ϕ [mm] x Thread outlet	Code
12	15 x 1/2"	04.621.60.1501
15	18 x 1/2"	04.621.60.1801
20	22 x 1/2"	04.621.60.2201
25	28 x 3/4"	04.621.60.2802
32	35 x 3/4"	04.621.60.3502
40	42 x 1"	04.621.60.4203
50	54 x 1 1/4"	04.621.60.5404

DIMENSIONS AND WEIGHTS

DN	Outlet female thread Rp ISO 7/1	COPPER PIPES		Installation length				
		Pipe Outer- ϕ [mm]	Weight [kg]	~A [mm]	~B [mm]	~C [mm]	~D [mm]	~E [mm]
12	1/2"	15.0	0.170	50	26	42	36	25
15	1/2"	18.0	0.190	50	29	45	38	25
20	1/2"	22.0	0.230	60	34	50	41	25
25	3/4"	28.0	0.360	70	41	57	51	30
32	3/4"	35.0	0.460	70	49	69	57	33
40	1"	42.0	0.670	80	58	78	73	44
50	1 1/4"	54.0	1.050	100	72	92	89	52

TAPPING CLAMPS FOR COPPER PIPES

15 - 54 mm



ASSEMBLY INSTRUCTIONS FOR SEALING CLAMPS TYPE MD / SERIES 620

FOR COPPER PIPES

DIN EN 1057 hard R290 and soft R220

Pipe dimensions DN	8	10	12	15	20	25	32	40	50
Pipe outer Ø mm	10	12	14	18	22	28	35	42	54
			15						
			16						

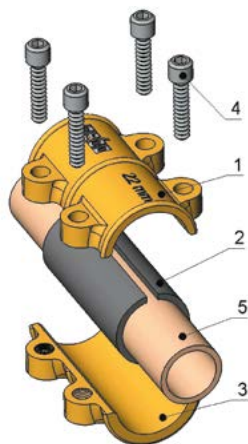
OPERATING TEMPERATURES AND OPERATING PRESSURE:

Drinkingwater max. 25 °C/max. 10 bar

Heatingwater max. 90°C/max. 6 bar; for CU-pipe soft max. 4 bar

MEDIA: drinking water: up to 25 °C; heating water: up to 90 °C**APPLICATIONS:** the sealing clamps are suitable for sealing holes and cracks caused by corrosion or mechanical damage.**INSTRUCTIONS FOR USE:**

1. Clean pipe (5) around the damaged area.
2. Place sealing sleeve (2) around pipe (5).
3. Position the slot of sealing sleeve (2) on the opposite side of the damaged location.
4. Join bottom part (3) to the sleeve (2).
Cover the damaged area as much as possible with sealing sleeve (2).
5. Join top part (1) to the sleeve (2).
6. Thread in the socket screws (4).
7. Tighten socket screws (4) diagonally with allen key.



- 1 Top part sealing clamp
- 2 Sealing sleeve
- 3 Bottom part sealing clamp
- 4 Socket screw
- 5 Pipe

ASSEMBLY INSTRUCTION FOR TAPPING CLAMPS TYPE MB / SERIES 621

FOR COPPER PIPES

DIN EN 1057 hard R290 and soft R220

Pipe dimensions DN	12	15	20	25	32	40	50
Pipe outer Ø mm	15	18	22	28	35	42	54
Joining thread Rp	1/2"	1/2"	1/2"	3/4"	3/4"	1"	1 1/4"

OUTLET: femal thread Rp ISO 7/1

OPERATING TEMPERATURES AND OPERATING PRESSURE:

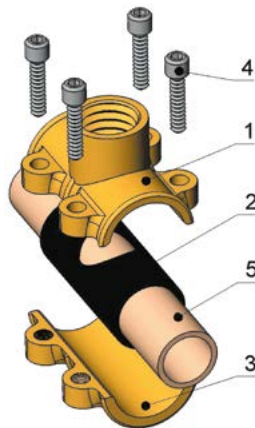
Drinkingwater max. 25 °C/max. 10 bar

Heatingwater max. 90°C/max. 6 bar; for CU-pipe soft max. 4 bar

APPLICATIONS: the tapping clamps are suitable for subsequently adding a branch

INSTRUCTIONS FOR USE:

1. Clean the pipe (5) at the desired centre drilling location.
2. Place the sealing sleeve (2) around pipe (5).
3. Place the sealing sleeve (2) such that the pre-machined hole is placed in the sealing sleeve at the centre drilling.
4. Join top part (1) on the sleeve (2) such that the outlet is covered with the hole in the sleeve (2).
5. Place the bottom part (3) around the sleeve (2).
6. Thread in the socket screws (4).
7. Tighten socket screws (4) diagonally with allen key.
8. Drill with a suitable tool.



- 1 Top part tapping clamp with female thread outlet
- 2 Sealing sleeve
- 3 Bottom part tapping clamp
- 4 Socket screw
- 5 Pipe

CERTIFICATES

**PLEASE ASK AT OUR SALES OFFICES
FOR NATIONAL CERTIFICATES.**



gebooriginal

MALLEABLE CAST IRON
COMPRESSION FITTINGS



THINGS TO KNOW ABOUT OUR CAST MALLEABLE IRON COMPRESSION FITTINGS, SERIES 150, 220, 153/155

GEBO SPECIAL COMPRESSION FITTINGS AND FLANGES:

- designed for continuous operation
- restrained, that means resistant to tensile and shearing strength
- bending possible up to 3°, for couplings $2 \times 3^\circ = 6^\circ$
- suitable as potential balancing
- save time as they do not require threading or welding

MATERIALS USED:

- **FITTING BODY:** malleable cast iron EN-GJMB 350-10, EN 1562
- **CONE NUT/FLANGE:** malleable cast iron EN-GJMB 350-10, EN 1562
- **COMPRESSION RING:** galvanised steel or brass (partly used in malleable cast iron compression fittings for PE and black steel pipes)
- **WASHER:** galvanized steel
- **SEALING RING:** NBR
- **GALVANIZATION:** hot dip galvanizing of fitting bodies, flange plates and cone nuts (hot dip galvanizing according to DIN EN 10242). Surfaces exposed during machining are electro-galvanized. Steel compression rings and washers are also galvanized.
- **JOINTING THREAD:** According to ISO 7/1 or EN 10226/1

AREAS OF APPLICATION:

Repair of existing pipelines and new installation of pipelines for the media water and gases (outside buildings) according to DVGW worksheet G 260, compressed air and filling lines for heating oil EL (according to DIN 51603-1). **Suitable and approved applications for each product type are given on the individual pages of the product types.**

Malleable cast iron compression fittings for steel pipes:

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

TYPICAL AREAS OF APPLICATION:

- water installation systems
- building supply service in the gas supply (outside buildings; from DN 15)
- stationary water extinguishing systems (from DN 25, suitable and approved article types please see following pages)
- compressed air lines
- filling lines for heating oil EL (from DN 15)

Malleable cast iron compression fittings for black steel pipes:

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

TYPICAL AREAS OF APPLICATION:

- heating systems
- filling lines for heating oil EL (only for size 57 mm)

Malleable cast iron compression fittings for PE pipes:

FOR PE PIPES

PE 80, PE 100, PE-Xa pipes (each SDR 11) according to DVGW – working sheet GW 335 A2/A3 as well as DIN 8074/75, DIN EN 12201-2 and DIN 16893

TYPICAL AREAS OF APPLICATION:

- building supply service in the gas supply (outside buildings)

TYPES A and AF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH MALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150:

17.2 MM - 60.3 MM

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/
 max. 6 bar
 Stationary water extinguishing systems (VdS) from DN 25: max. 12.5 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216
 Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454
 VdS-tested from DN 25 (stationary water extinguishing systems)
 Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:
 construction approval DIBt, Approval No.: Z-38.4-212
 technical approval national certificates
 hygienic certificate: national certificates



SERIES 220:

76.1 MM - 114.3 MM

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 16 bar
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Stationary water extinguishing systems (VdS): max. 16 bar
 Compressed air: max. 10 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2217
 Gas: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1491
 VdS-tested (stationary water extinguishing systems)
 technical approval national certificates
 hygienic certificate: national certificates

DN	Jointing thread x pipe outer-Ø [mm]	Code
10	3/8" x 17.2	01.150.00.00
15	1/2" x 21.3	01.150.00.01
20	3/4" x 26.9	01.150.00.02
25	1" x 33.7	01.150.00.03
32	1 1/4" x 42.4	01.150.00.04
40	1 1/2" x 48.3	01.150.00.05
50	2" x 60.3	01.150.00.06
65	2 1/2" x 76.1	01.220.00.07
80	3" x 88.9	01.220.00.08
100	4" x 114.3	01.220.00.09

TYPES A and AF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH MALE THREAD

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150/15S:

20 MM – 63.5 MM

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Heating oil EL according to DIN 51603-1 (only for filling lines)

ONLY for dimension 57 mm: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1):

for 57 mm - construction approval DIBT, approval no.: Z-38.4-212

technical approval national certificates

**SERIES 220/22S:**

70 MM – 108 MM

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Compressed air: max. 10 bar



DN	Joining thread x pipe outer-Ø [mm]	Code
15	1/2" x 20.0	02.150.00.0120
20	3/4" x 25.0	02.150.00.0225
25	1" x 31.8	02.150.00.03318
32	1 1/4" x 38.0	02.150.00.0438
32	1 1/4" x 44.5	02.150.00.04445
40	1 1/2" x 51.0	02.150.00.0551
50	2" x 57.0	02.150.00.0657
50	2" x 63.5	02.150.00.06635
65	2 1/2" x 70	02.220.00.70
65	2 1/2" x 82.5	02.220.00.07825
100	4" x 108	02.220.00.108

TYPES A and AF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH MALE THREAD

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.



SERIES 153/155:

20 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80, PE 100 and PE-Xa max. 4 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW-Reg.-No.: CW-7511CP0631
 gas: DVGW work sheet G 5600-1, DVGW Reg.-No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates



SERIES 220 PE/22P:

75 mm – 110 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80, PE-Xa and PE 100 max. 10 bar
 Compressed air: PE 80, PE-Xa and PE 100 max. 10 bar

DN	Jointing thread x pipe outer-Ø [mm]	Code
15	1/2" x 20	03.153.00.0120
20	3/4" x 25	03.153.00.0225
25	1" x 30 *	03.153.00.0330
25	1" x 32	03.153.00.0332
32	1 1/4" x 38 *	03.153.00.0438
32	1 1/4" x 40	03.153.00.0440
40	1 1/2" x 50	03.153.00.0550
50	2" x 63	03.153.00.0663
65	2 1/2" x 75 *	03.220.00.0775
80	3" x 90 *	03.220.00.0890
100	4" x 110 *	03.220.00.09110

* - Not for gas applications.

TYPES A and AF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH MALE THREAD

DIMENSIONS AND WEIGHTS

DN	Connecting thread R R ISO 7/1	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length -A [mm]	Wrench size ~5W [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
		Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				min.	max.
10	3/8"	17.2	0.2					82	31.5	34	25	55
15	1/2"	21.3	0.3	20.0	0.3	20.0	0.3	100	41	44	30	70
20	3/4"	26.9	0.5	25.0	0.5	25.0	0.5	100	50	54	30	70
25	1"	33.7	0.6	31.8	0.6	30.0	0.6	100	55	60	35	65
						32.0	0.6	100	55	60	35	65
32	1 1/4"	42.4	1.0	44.5	0.9	38.0	1.0	115	70	76	40	70
						40.0	1.0	115	70	76	40	70
40	1 1/2"	48.3	1.1	51.0	1.1	50.0	1.1	115	75	81	40	75
50	2"	60.3	1.7	57.0	1.6	63.0	1.6	130	90	97	40	85
				63.5	1.6	130	90	97	40	85		
65	2 1/2"	76.1	3.2	70.0	3.3	75.0	3.2	160	100	150	50	95
80	3"	88.9	4.5			90.0	4.5	180	120	160	50	105
100	4"	114.3	6.0	108.0	6.5	110.0	6.0	180	135	185	50	105

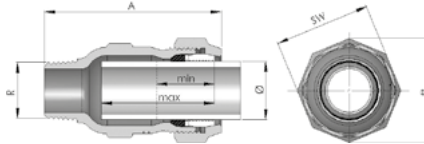
COMPRESSION FITTINGS WITH MALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

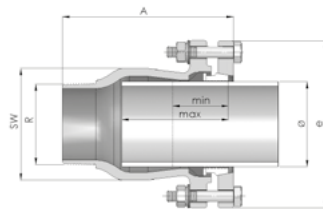


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

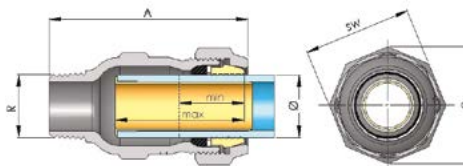
70 mm – 108 mm



COMPRESSION FITTINGS WITH MALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

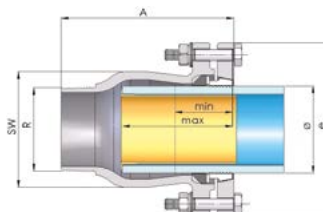
FOR PE PIPES

20 mm – 63 mm



FOR PE PIPES

75 mm – 110 mm



TYPES I and IF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH FEMALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150:

17.2 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar
 Stationary water extinguishing systems (VdS) from DN 25: max. 12.5 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216
 Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454
 VdS-tested from DN 25 (stationary water extinguishing systems)
 Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:
 construction approval DIBt, Approval No.: Z-38.4-212
 technical approval: national certificates
 hygienic certificate: national certificates



SERIES 220:

76.1 mm - 114.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 16 bar
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Stationary water extinguishing systems (VdS): max. 16 bar
 Compressed air: max. 10 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2217
 Gas: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1491
 VdS-tested (stationary water extinguishing systems)
 technical approval: national certificates
 hygienic certificate: national certificates



DN	Joining thread x pipe outer-Ø [mm]	Code
10	3/8" x 17.2	01.150.01.00
15	1/2" x 21.3	01.150.01.01
20	3/4" x 26.9	01.150.01.02
25	1" x 33.7	01.150.01.03
32	1 1/4" x 42.4	01.150.01.04
40	1 1/2" x 48.3	01.150.01.05
50	2" x 60.3	01.150.01.06
65	2 1/2" x 76.1	01.220.01.07
80	3" x 88.9	01.220.01.08
100	4" x 114.3	01.220.01.09

TYPES I and IF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH FEMALE THREAD

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150/155:
20 mm - 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines)
 ONLY for dimension 57 mm: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1):
 for 57 mm - construction approval DIBT, approval no.: Z-38.4-212
 technical approval national certificates



SERIES 220/225:
70 mm - 108 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Compressed air: max. 10 bar

DN	Joining thread x pipe outer-Ø [mm]	Code
15	1/2" x 20.0	02.150.01.0120
20	3/4" x 25.0	02.150.01.0225
25	1" x 31.8	02.150.01.03318
32	1 1/4" x 38.0	02.150.01.0438
32	1 1/4" x 44.5	02.150.01.04445
40	1 1/2" x 51.0	02.150.01.0551
50	2" x 57.0	02.150.01.0657
50	2" x 63.5	02.150.01.06635
65	2 1/2" x 70	02.220.01.70
65	2 1/2" x 82.5	02.220.01.07825
100	4" x 108	02.220.01.108

TYPES I and IF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH FEMALE THREAD

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.

SERIES 153/155:

20 mm - 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar

Gas (outside buildings): PE 80, PE 100 and PE-Xa max. 4 bar

Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW Reg. No.: CW-7511CP0631;

gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412

technical approval national certificates

hygienic certificate: national certificates



SERIES 220 PE/22P:

75 mm - 110 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80, PE-Xa and PE 100 max. 10 bar

Compressed air: PE 80, PE-Xa and PE 100 max. 10 bar



DN	Jointing thread x pipe outer-Ø [mm]	Code
15	1/2" x 20	03.153.01.0120
20	3/4" x 25	03.153.01.0225
25	1" x 30 *	03.153.01.0330
25	1" x 32	03.153.01.0332
32	1 1/4" x 38*	03.153.01.0438
32	1 1/4" x 40	03.153.01.0440
40	1 1/2" x 50	03.153.01.0550
50	2" x 63	03.153.01.0663
65	2 1/2" x 75*	03.220.01.0775
80	3" x 90*	03.220.01.0890
100	4" x 110*	03.220.01.09110

* - Not for gas applications.

TYPES I and IF

MALLEABLE CAST IRON COMPRESSION FITTINGS WITH FEMALE THREAD

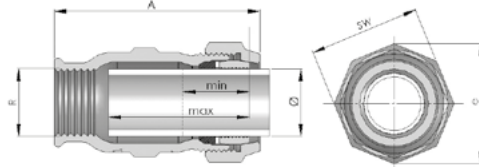
DIMENSIONS AND WEIGHTS

DN	Connecting thread Rp R 150 7/1	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length - A [mm]	Wrench size ~5W [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
		Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				min.	max.
10	3/8"	17.2	0.2					82	31.5	34	25	55
15	1/2"	21.3	0.3	20.0	0.3	20.0	0.3	100	41	44	30	70
20	3/4"	26.9	0.6	25.0	0.5	25.0	0.5	100	50	54	30	70
25	1"	33.7	0.6	31.8	0.6	30.0	0.6	100	55	60	35	65
						32.0	0.6	100	55	60	35	65
32	1 1/4"	42.4	1.0	38.0	1.0	38.0	1.0	115	70	76	40	65
				44.5	0.9	40.0	1.0	115	70	76	40	70
40	1 1/2"	48.3	1.1	51.0	1.1	50.0	1.1	115	75	81	40	75
50	2"	60.3	1.6	57.0	1.6	63.0	1.6	130	90	97	40	85
				63.5	1.6			130	90	97	40	85
65	2 1/2"	76.1	3.2	70.0	3.4	75.0	3.3	155	100	150	50	95
80	3"	88.9	4.0			90.0	4.5	165	120	160	50	105
100	4"	114.3	5.4	108.0	6.0	110.0	6.1	160	135	185	50	105

COMPRESSION FITTINGS WITH FEMALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

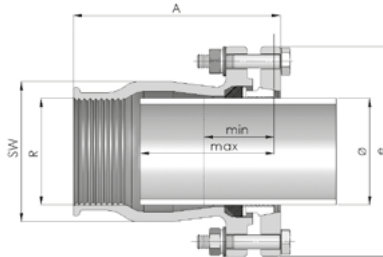
FOR STEEL PIPES 17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES 20 mm – 63.5 mm



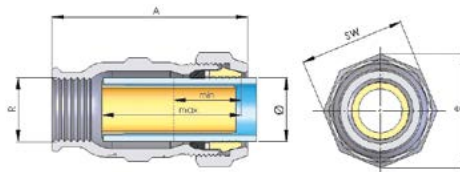
FOR STEEL PIPES 76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES 70 mm – 108 mm

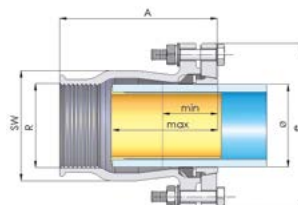


COMPRESSION WITH FEMALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

FOR PE PIPES 20 mm – 63 mm



FOR PE PIPES 75 mm – 110 mm



TYPES O and OF

**MALLEABLE CAST IRON COMPRESSION FITTINGS ,
CLAMPING ON BOTH SIDES**

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150:

17.2 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1" Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar

Stationary water extinguishing systems (VdS) from DN 25: max. 12.5 bar Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216

Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454

VdS-tested from DN 25 (stationary water extinguishing systems)

Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:

construction approval DIBt, Approval No.: Z-38.4-212

technical approval national certificates

hygienic certificate: national certificates

SERIES 220:

76.1 mm - 114.3 mm



OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 16 bar

Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar

Stationary water extinguishing systems (VdS): max. 16 bar

Compressed air: max. 10 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2217

Gas: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1491

VdS-tested (stationary water extinguishing systems)

technical approval national certificates

hygienic certificate: national certificates

DN	Pipe outer -Ø [mm]		Code
10	17.2 x	17.2 (3/8")	01.150.02.00
15	21.3 x	21.3 1/2"	01.150.02.01
20	26.9 x	26.9 (3/4")	01.150.02.02
25	33.7 x	33.7 (1")	01.150.02.03
32	42.4 x	42.4 (1 1/4")	01.150.02.04
40	48.3 x	48.3 (1 1/2")	01.150.02.05
50	60.3 x	60.3 (2")	01.150.02.06
65	76.1 x	76.1 (2 1/2")	01.220.02.07
80	88.9 x	88.9 (3")	01.220.02.08
100	114.3 x	114.3 (4")	01.220.02.09

TYPES O and OF**MALLEABLE CAST IRON COMPRESSION FITTINGS,
CLAMPING ON BOTH SIDES****FOR BLACK STEEL PIPES**

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150/15S:

20 mm – 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Heating oil EL according to DIN 51603-1 (only for filling lines)

ONLY for dimension 57 mm: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1):

for 57 mm - construction approval DIBT, approval no.: Z-38.4-212

technical approval national certificates

**SERIES 220/22S:**

70 mm – 108 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Compressed air: max. 10 bar



DN	Pipe outer-Ø [mm]	Code
15	20.0 x 20.0	02.150.02.20
20	25.0 x 25.0	02.150.02.25
25	31.8 x 31.8	02.150.02.318
32	38.0 x 38.0	02.150.02.38
32	44.5 x 44.5	02.150.02.445
40	51.0 x 51.0	02.150.02.51
50	57.0 x 57.0	02.150.02.57
50	63.5 x 63.5	02.150.02.635
65	70.0 x 70.0	02.220.02.70
100	108.0 x 108.0	02.220.02.108

TYPES O and OF

**MALLEABLE CAST IRON COMPRESSION FITTINGS ,
CLAMPING ON BOTH SIDES**

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.



SERIES 153/155:
20 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
Gas (outside buildings): PE 80 max. 4 bar, PE 100 max. 10 bar and PE-Xa max. 8 bar
Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW Reg. No.: CW-7511CP0631;
gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
technical approval national certificates
hygienic certificate: national certificates



SERIES 220 PE/22P:
75 mm – 110 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80, PE-Xa and PE 100 max. 10 bar
Compressed air: PE 80, PE-Xa and PE 100 max. 10 bar

DN	Pipe outer-Ø [mm]		Code
Steel pipe x PE pipe Ø [mm]			
15	21.3 x	20	03.154.02.0120
20	26.9 x	25	03.154.02.0225
25	33.7 x	32	03.154.02.0332
32	42.4 x	38*	03.154.02.0438
32	42.4 x	40	03.154.02.0440
40	48.3 x	50	03.154.02.0550
50	60.3 x	63	03.154.02.0663
65	76.1 x	75*	03.220.02.0775
80	88.9 x	90*	03.220.02.0890
100	114.3 x	110*	03.220.02.09110
PE-PE pipe [mm]			
15	20 x	20	03.155.02.20
20	25 x	25	03.155.02.25
25	30 x	30*	03.155.02.30
25	32 x	32	03.155.02.32
32	38 x	38*	03.155.02.38
32	40 x	40	03.155.02.40
40	50 x	50	03.155.02.50
50	63 x	63	03.155.02.63
65	75 x	75*	03.220.02.75
80	90 x	90*	03.220.02.90
100	110 x	110*	03.220.02.110

* - Not for gas applications.

TYPES O and OF

MALLEABLE CAST IRON COMPRESSION FITTINGS ,
CLAMPING ON BOTH SIDES

DIMENSIONS AND WEIGHTS

DN	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length -A [mm]	Wrench size -SW [mm]	Corner dimension -e [mm]	Depth of insertion [mm]	
	Pipe outer-φ [mm]	Weight [kg]	Pipe outer-φ [mm]	Weight [kg]	Pipe outer-φ [mm]	Weight [kg]				min.	max.
10	17.2	0.2					85	31.5	34	25	35
15	21.3	0.4	20.0	0.5	20.0	0.5	120	41	44	30	50
20	26.9	0.7	25.0	0.7	25.0	0.7	120	50	54	30	50
25	33.7	0.8	31.8	0.8	32.0	0.8	120	55	60	35	50
32	42.4	1.3	44.5	1.1	40.0	1.3	130	70	76	40	55
40	48.3	1.5	51.0	1.3	50.0	1.5	130	75	81	40	55
50	60.3	2.2	57.0	2.4	63.0	2.2	145	90	97	40	65
			63.5	2.3			145	90	97	40	65
65	76.1	5.1	70.0	5.5	75.0	5.1	200	./.	150	50	75
80	88.9	6.8			90.0	6.0	215	./.	160	50	85
100	114.3	7.6	108.0	7.7	110.0	7.6	205	./.	185	50	85

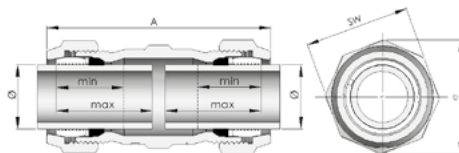
COMPRESSION FITTINGS CLAMPING ON BOTH SIDES FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

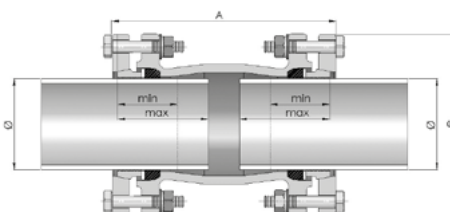


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

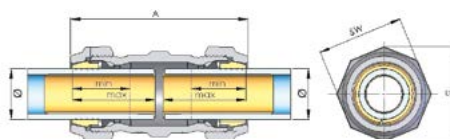
70 mm – 108 mm



COMPRESSION FITTINGS CLAMPING ON BOTH SIDES FOR PE PIPES WITH REINFORCEMENT SLEEVE

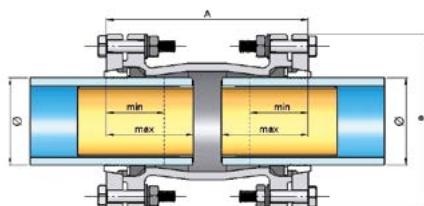
FOR PE PIPES

20 mm – 63 mm



FOR PE PIPES

75 mm – 110 mm



TYPES T and TF

MALLEABLE CAST IRON COMPRESSION FITTINGS, CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150:

17.2 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"

Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar

Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216

Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454

Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:

construction approval DIBt, Approval No.: Z-38.4-212

technical approval national certificates

hygienic certificate: national certificates



SERIES 220:

76.1 mm - 114.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 16 bar

Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar

Compressed air: max. 10 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2217

Gas: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1491

technical approval national certificates

hygienic certificate: national certificates



DN	Pipe outer-Ø x jointing thread, 1 x 2 x 3	Code
10	17.2 x 17.2 x 3/8"	01.150.04.00
15	21.3 x 21.3 x 1/2"	01.150.04.01
20	26.9 x 26.9 x 3/4"	01.150.04.02
25	33.7 x 33.7 x 1"	01.150.04.03
32	42.4 x 42.4 x 1 1/4"	01.150.04.04
40	48.3 x 48.3 x 1 1/2"	01.150.04.05
50	60.3 x 60.3 x 2"	01.150.04.06
65	76.1 x 76.1 x 2 1/2"	01.220.04.07
80	88.9 x 88.9 x 3"	01.220.04.08
100	114.3 x 114.3 x 4"	01.220.04.09

TYPES T and TF

MALLEABLE CAST IRON COMPRESSION FITTINGS , CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150/155:
20 mm - 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines)
 ONLY for dimension 57 mm: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1): for 57 mm - construction approval DIBT, approval no.: Z-38.4-212
 technical approval national certificates



SERIES 220/225:
70 mm - 108 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Compressed air: max. 10 bar

DN	Pipe outer- \emptyset x jointing thread, 1 x 2 x 3	Code
15	20.0 x 20.0 x 1/2"	02.150.04.20
20	25.0 x 25.0 x 3/4"	02.150.04.25
25	31.8 x 31.8 x 1"	02.150.04.318
32	38.0 x 38.0 x 1 1/4"	02.150.04.38
32	44.5 x 44.5 x 1 1/4"	02.150.04.445
40	51.0 x 51.0 x 1 1/2"	02.150.04.51
50	57.0 x 57.0 x 2"	02.150.04.57
50	63.5 x 63.5 x 2"	02.150.04.635
65	70.0 x 70.0 x 2 1/2"	02.220.04.70
100	108.0 x 108.0 x 4	02.220.04.108

TYPES T and TF

MALLEABLE CAST IRON COMPRESSION FITTINGS, CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.

SERIES 153/155:

20 mm - 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80, PE 100 and PE-Xa max. 4 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW Reg. No.: CW-7511CP0631;
 gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates



SERIES 220 PE/22P:

75 mm - 110 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80, PE-Xa and PE 100 max. 10 bar
 Compressed air: PE 80, PE-Xa and PE 100 max. 10 bar



DN	Pipe outer-Ø x jointing thread, 1 x 2 x 3	Code
Steel pipe x PE pipe Ø [mm]		
15	21.3 x 20 x 1/2"	03.154.04.0120
20	26.9 x 25 x 3/4"	03.154.04.0225
25	33.7 x 32 x 1"	03.154.04.0332
32	42.4 x 38 x 1 1/4"*	03.154.04.0438
32	42.4 x 40 x 1 1/4"	03.154.04.0440
40	48.3 x 50 x 1 1/2"	03.154.04.0550
50	60.3 x 63 x 2"	03.154.04.0663
65	76.1 x 75 x 2 1/2"*	03.220.04.0775
80	88.9 x 90 x 3"*	03.220.04.0890
100	114.3 x 110 x 4"*	03.220.04.09110
PE-PE pipe [mm]		
15	20 x 20 x 1/2"	03.155.04.20
20	25 x 25 x 3/4"	03.155.04.25
25	30 x 30 x 1" *	03.155.04.30
25	32 x 32 x 1"	03.155.04.32
32	38 x 38 x 1 1/4"*	03.155.04.38
32	40 x 40 x 1 1/4"	03.155.04.40
40	50 x 50 x 1 1/2"	03.155.04.50
50	63 x 63 x 2"	03.155.04.63
65	75 x 75 x 2 1/2"*	03.220.04.75
80	90 x 90 x 3"*	03.220.04.90
100	110 x 110 x 4"*	03.220.04.110

* - Not for gas applications.

TYPES T and TF

MALLEABLE CAST IRON COMPRESSION FITTINGS , CLAMPING ON BOTH SIDES / OUTLET WITH FEMALE THREAD

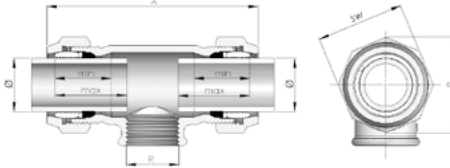
DIMENSIONS AND WEIGHTS

DN	Connecting thread Rp ISO 7/1	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length ~A [mm]	Wrench size ~SW [mm]	Dorner dimension ~e [mm]	Depth of insertion [mm]	
		Pipe outer- ϕ [mm]	weight [kg]	Pipe outer- ϕ [mm]	weight [kg]	Pipe outer- ϕ [mm]	weight [kg]				min.	max.
10	3/8"	17.2	0.3					95	31.5	34	25	35
15	1/2"	21.3	0.5	20.0	0.5	20	0.5	120	41	44	30	40
20	3/4"	26.9	0.8	25.0	0.8	25	0.8	130	50	54	30	40
25	1"	33.7	0.9	31.8	0.9	30	0.9	135	55	60	35	42
						32	0.9	135	55	60	35	42
32	1 1/4"	42.4	1.4	44.5	1.4	38	1.5	140	70	76	40	45
						40	1.5	140	70	76	40	45
40	1 1/2"	48.3	1.6	51.0	1.6	50	1.6	155	75	81	40	45
50	2"	60.3	2.5	57.0	2.5			180	90	97	40	45
				63.5	2.7	63	2.5	180	90	97	40	55
65	2 1/2"	76.1	6.0	70.0	6.4	75	5.5	250	./.	150	50	75
80	3"	88.9	6.8			90	7.5	285	./.	160	50	85
100	4"	114.3	9.1	108.0	9.3	110	9.1	280	./.	185	50	85

COMPRESSION FITTINGS CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

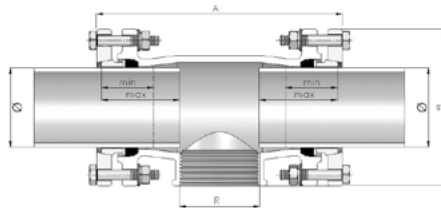
FOR STEEL PIPES 17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES 20 mm – 63.5 mm



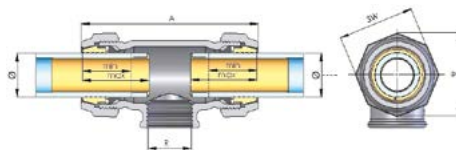
FOR STEEL PIPES 76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES 70 mm – 108 mm

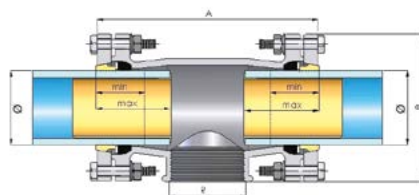


COMPRESSION FITTINGS CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

FOR PE PIPES 20 mm – 63 mm



FOR PE PIPES 75 mm – 110 mm



TYPE OR	MALLEABLE CAST IRON COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED
FOR STEEL PIPES	DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150
33.7 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15:
 40°C/max. 6 bar
 Stationary water extinguishing systems (VdS) from DN 25: max. 12.5 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216
 Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454
 VdS-tested from DN 25 (stationary water extinguishing systems)
 Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:
 construction approval DIBt, Approval No.: Z-38.4-212
 technical approval national certificates
 hygienic certificate: national certificates

DN	Pipe outer-Ø [mm]	Code
25 x 20	33.7 x 26.9 (1" x 3/4")	01.150.02.0302
32 x 20	42.4 x 26.9 (1 1/4" x 3/4")	01.150.02.0402
32 x 25	42.4 x 33.7 (1 1/4" x 1")	01.150.02.0403
40 x 25	48.3 x 33.7 (1 1/2" x 1")	01.150.02.0503
40 x 32	48.3 x 42.4 (1 1/2" x 1 1/4")	01.150.02.0504
50 x 32	60.3 x 42.4 (2" x 1 1/4")	01.150.02.0604
50 x 40	60.3 x 48.3 (2" x 1 1/2")	01.150.02.0605

TYPE OR	MALLEABLE CAST IRON COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED
FOR BLACK STEEL PIPES	DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150/155:
20 mm - 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines)
ONLY for dimension 57 mm: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1): for 57 mm -
 construction approval DIBT, approval no.: Z-38.4-212
 Technical Approval national certificates

Product on request.

TYPE OR	MALLEABLE CAST IRON COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.

SERIES 153/155:
32 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:
 Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80 max. 4 bar, PE 100 max. 10 bar and PE-Xa max. 8 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:
 water: DIN 8076/DIN EN 10284, DVGW: CW-7511CP0631;
 gas: DVGW work sheet 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates



DN	Pipe outer -Ø [mm]	Code
Steel pipe x PE pipe Ø [mm]		
20 x 25	26.9 x 32	03.154.02.0232
20 x 32	26.9 x 40	03.154.02.0240
25 x 20	33.7 x 25	03.154.02.0325
25 x 32	33.7 x 40	03.154.02.0340
25 x 40	33.7 x 50	03.154.02.0350
32 x 20	42.4 x 25	03.154.02.0425
32 x 25	42.4 x 32	03.154.02.0432
32 x 40	42.4 x 50	03.154.02.0450
32 x 50	42.4 x 63	03.154.02.0463
40 x 25	48.3 x 32	03.154.02.0532
40 x 32	48.3 x 40	03.154.02.0540
40 x 50	48.3 x 63	03.154.02.0563
50 x 32	60.3 x 40	03.154.02.0640
50 x 40	60.3 x 50	03.154.02.0650
PE-PE pipe [mm]		
20 x 25	25 x 32	03.155.02.2532
20 x 32	25 x 40	03.155.02.2540
25 x 32	32 x 40	03.155.02.3240
25 x 40	32 x 50	03.155.02.3250
32 x 40	40 x 50	03.155.02.4050
32 x 50	40 x 63	03.155.02.4063
40 x 50	50 x 63	03.155.02.5063

TYPE OR

MALLEABLE CAST IRON COMPRESSION FITTINGS
CLAMPING ON BOTH SIDES, REDUCED

DIMENSIONS AND WEIGHTS

DN	STEEL PIPES	BLACK STEEL PIPES	STEEL/ BLACK STEEL	PE PIPES	PE PIPES	Length ~A [mm]	Wrench size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]		
	Pipe outer- ϕ [mm]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				min.1	min.2	max.
25 x 20	33.7 x 26.9	31.8 x 25.0	0,8	32 x 25	0,7	117	55	60	35	30	50
32 x 20	42.4 x 26.9	44.5 x 25.0	1,0	38 x 25	1,0	130	70	76	40	30	55
				40 x 25	1,0	130	70	76	40	30	55
32 x 25	42.4 x 33.7	44.5 x 31.8	1,1	32 x 38	1,1	130	70	76	40	35	55
				40 x 32	1,1	130	70	76	40	35	55
40 x 25	48.3 x 33.7	51.0 x 31.8	1,3	50 x 30	1,3	130	75	81	40	35	55
				50 x 32	1,3	130	75	81	40	35	55
40 x 32	48.3 x 42.4	51.0 x 44.5	1,3	50 x 38	1,3	130	75	81	40	40	55
				50 x 40	1,3	130	75	81	40	40	55
50 x 32	60.3 x 42.4	57.0 x 44.5	2,0	63 x 38	2,1	145	90	97	40	40	65
				63 x 40	2,0	145	90	97	40	40	65
50 x 40	60.3 x 48.3	57.0 x 51.0	2,2	63 x 50	2,2	145	90	97	40	40	65

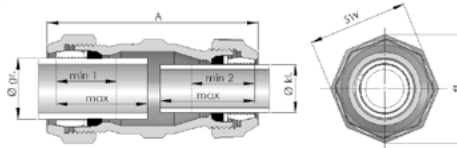
COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED FOR STEEL PIPES AND BLACK STEEL PIPES

STEEL PIPES

33.7 mm – 60.3 mm

BLACK STEEL PIPES

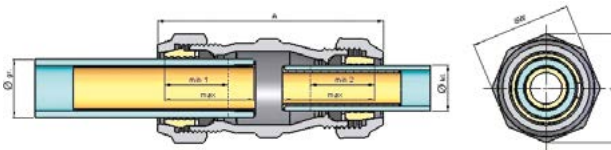
20 mm – 63.5 mm



COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED FOR PE PIPES WITH REINFORCEMENT SLEEVE

PE PIPES

32 mm – 63 mm



TYPE OL	MALLEABLE CAST IRON COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, LONG VERSION
FOR STEEL PIPES	DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150:
21.3 mm – 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:
 Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature –20°C to +60°C, max. 5 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar
 Stationary water extinguishing systems (VdS) from DN 25: max. 12.5 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:
 Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216
 Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454
 VdS-tested from DN 25 (stationary water extinguishing systems)
 Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:
 construction approval DIBt, Approval No.: Z-38.4-212
 technical approval national certificates
 hygienic certificate: national certificates



DN	Pipe outer-Ø [mm]	Code
15	21.3 x 21.3 1/2"	01.150.03.01
20	26.9 x 26.9 (3/4")	01.150.03.02
25	33.7 x 33.7 (1")	01.150.03.03
32	42.4 x 42.4 (1 1/4")	01.150.03.04
40	48.3 x 48.3 (1 1/2")	01.150.03.05
50	60.3 x 60.3 (2")	01.150.03.06

TYPE OL	MALLEABLE CAST IRON COMPRESSION FITTINGS, CLAMPING ON BOTH SIDES, LONG VERSION
FOR BLACK STEEL PIPES	DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1): only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150/15S:
20 mm – 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:
 Heating water max. 80°C/ max. 6 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines)
 ONLY for dimension 57 mm: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:
 filling lines for heating oil EL (according to DIN 51603-1):
 for 57 mm - construction approval DIBT, approval no.: Z-38.4-212
 technical approval national certificates



Product on request.

TYPE 0L

MALLEABLE CAST IRON FITTINGS, CLAMPING ON BOTH SIDES, LONG VERSION

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

Media: see information operating temperatures and pressure

Important: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.



SERIES 153/155:

20 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80 max. 4 bar, PE 100 max. 10 bar and PE-Xa max. 8 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW: CW-7511CP0631;
 gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates

DN	Pipe outer-Ø [mm]	Code
Steel pipe x PE pipe Ø [mm]		
15	21.3 x 20	03.154.03.0120
20	26.9 x 25	03.154.03.0225
25	33.7 x 32	03.154.03.0332
32	42.4 x 40	03.154.03.0440
40	48.3 x 50	03.154.03.0550
50	60.3 x 63	03.154.03.0663
PE-PE pipe [mm]		
15	20 x 20	03.155.03.20
20	25 x 25	03.155.03.25
25	32 x 32	03.155.03.32
32	40 x 40	03.155.03.40
40	50 x 50	03.155.03.50
50	63 x 63	03.155.03.63

TYPE 0L

MALLEABLE CAST IRON COMPRESSION FITTINGS, CLAMPING ON BOTH SIDES, LONG VERSION

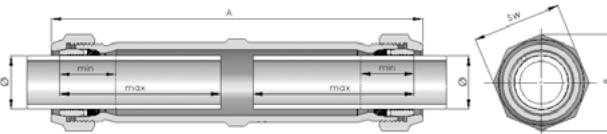
DIMENSIONS AND WEIGHTS

DN	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length ~A [mm]	Wrench size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]			
	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				STEEL		PE	
										BLACK			
										min.	max.	min.	max.
15	21.3	0.8	20.0	0.8	20	0.9	230	41	44	30	100	30	50
20	26.9	1.2	25.0	1.3	25	1.4	230	50	54	30	100	30	60
25	33.7	1.5	31.8	1.4	30	1.5	230	55	60	35	100	35	60
					32	1.5	230	55	60			35	60
32	42.4	1.7	44.5	1.8	38	2.1	230	70	76	40	100	40	70
					40	1.7	230	70	76			40	70
40	48.3	2.0	51.0	2.5	50	2.0	230	75	81	40	100	40	70
50	60.3	3.2	57.0	3.3	63	3.3	230	90	97	40	100	40	80
			63.5	3.3			230	90	97				

COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, LONG VERSION FOR STEEL PIPES AND BLACK STEEL PIPES

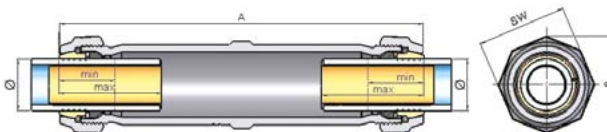
FOR STEEL PIPES 21.3 mm – 60.3 mm

FOR BLACK STEEL PIPES 20 mm – 63.5 mm



COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, LONG VERSION FOR PE PIPES WITH REINFORCEMENT SLEEVE

FOR PE PIPES 20 mm – 63 mm



TYPE WO

MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150

21.3 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1" Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216

Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454

Filling lines for heating oil EL (according to DIN 51603-1) from DN 15: construction approval DIBT, Approval No.: Z-38.4-212

technical approval national certificates

hygienic certificate: national certificates

DN	Pipe outer-Ø [mm]	Code
15	21.3 x 21.3 (1/2")	01.150.08.01
20	26.9 x 26.9 (3/4")	01.150.08.02
25	33.7 x 33.7 (1")	01.150.08.03
32	42.4 x 42.4 (1 1/4")	01.150.08.04
40	48.3 x 48.3 (1 1/2")	01.150.08.05
50	60.3 x 60.3 (2")	01.150.08.06

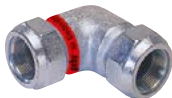
TYPE WO

MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150/155:

20 mm - 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Heating oil EL according to DIN 51603-1 (only for filling lines)

ONLY for dimension 57 mm: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1): for 57 mm -

construction approval DIBT, approval no.: Z-38.4-212

technical approval national certificates

Product on request.

TYPE WO	MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES
FOR PE PIPES	PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.

SERIES 153/155:
20 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:
 Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80 max. 4 bar, PE 100 max. 10 bar and PE-Xa max. 8 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar0

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:
 water: DIN 8076/DIN EN 10284, DVGW: CW-7511CP0631;
 gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates



DN	Pipe outer-Ø [mm]	Code
Steel pipe x PE pipe-Ø [mm]		
15	21.3 x 20	03.154.08.0120
20	26.9 x 25	03.154.08.0225
25	33.7 x 32	03.154.08.0332
32	42.4 x 40	03.154.08.0440
40	48.3 x 50	03.154.08.0550
50	60.3 x 63	03.154.08.0663
PE-PE pipe [mm]		
15	20 x 20	03.155.08.20
20	25 x 25	03.155.08.25
25	32 x 32	03.155.08.32
32	40 x 40	03.155.08.40
40	50 x 50	03.155.08.50
50	63 x 63	03.155.08.63

TYPE W0

MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES

DIMENSIONS AND WEIGHTS

DN	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length -A [mm]	Wrench size -SW [mm]	Corner dimension -e [mm]	Depth of insertion [mm]	
	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				min.	max.
15	21.3	0.5	20.0	0.8	20	0.5	100	41	44	30	50
20	26.9	0.7	25.0	0.7	25	0.7	105	50	54	30	50
25	33.7	1.0	31.8	1.0	30	1.0	115	55	60	35	50
					32	1.0	115	55	60	35	50
32	42.4	1.4	44.5	1.4	38	1.5	125	70	76	40	55
					40	1.4	125	70	76	40	55
40	48.3	1.8	51.0	1.9	50	1.9	150	75	81	40	75
50	60.3	3.3	57.0	3.5	63	3.4	170	90	97	40	85
			63.5	3.4			170	90	97	40	85

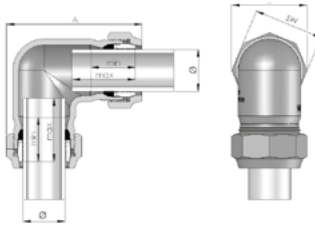
COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

21.3 mm – 60.3 mm

FOR BLACK STEEL PIPES

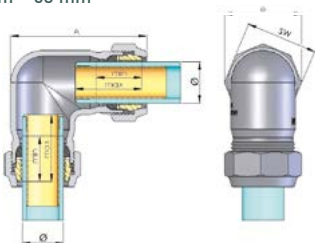
20 mm – 63.5 mm



COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES FOR PE PIPES WITH REINFORCEMENT SLEEVE

FOR PE PIPES

20 mm – 63 mm



TYPE WA**MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, MALE THREAD****FOR STEEL PIPES**

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150:

33.7 mm – 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1"

Heating water max. 80°C/ max. 6 bar

Gas from DN 15 (outside buildings): ambient temperature –20°C to +60°C, max. 5 bar

Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15:

40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216

Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454

Filling lines for heating oil EL (according to DIN 51603-1) from DN 15:

construction approval DIBt, Approval No.: Z-38.4-212

technical approval national certificates

hygienic certificate: national certificates



DN	Joining thread x Pipe outer-Ø [mm]	Code
25	1 x 33.7	01.150.09.03
40	1 1/2" x 48.3	01.150.09.05
50	2" x 60.3	01.150.09.06

TYPE WA**MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, MALE THREAD****FOR BLACK STEEL PIPES**

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150/15S:

20 mm – 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar

Heating oil EL according to DIN 51603-1 (only for filling lines)

ONLY for dimension 57 mm: 40°C/max. 6 bar

Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1):

for 57 mm - construction approval DIBT, approval no.: Z-38.4-212

technical approval national certificates.



Product on request.

TYPE WA

MALLEABLE CAST IRON COMPRESSION FITTINGS ELBOW, MALE THREAD

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153 and 22P, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes.



SERIES 153/155:

32 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80, PE 100 and PE-Xa max. 4 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW: CW-7511CP0631;
 gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificate
 hygienic certificate: national certificate

DN	Joining thread x Pipe outer-Ø [mm]	Code
25	1" x 32	03.153.09.0332
40	1 1/2" x 50	03.153.09.0550
50	2" x 63	03.153.09.0663

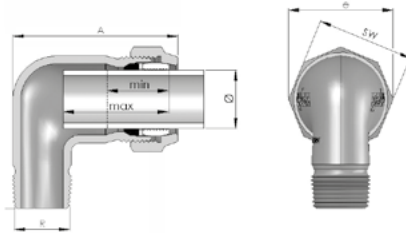
DIMENSIONS AND WEIGHTS

DN	Connecting thread R R ISO 7/1	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length -A [mm]	Wrench size ~S [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
		Pipe outer-Ø [mm]	Weight [kg]	Pipe outer-Ø [mm]	Weight [kg]	Pipe outer-Ø [mm]	Weight [kg]				min.	max.
25	1"	33.7	0.6	31.8	0.6	32.0	0.7	115	55	60	35	50
40	1 1/2"	48.3	1.2	51.0	1.2	50.0	1.2	150	75	81	40	75
50	2"	60.3	2.2	57.0	2.3	63.0	2.2	170	90	97	40	85

COMPRESSION FITTINGS ELBOW, MALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

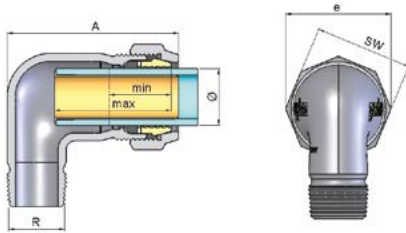
FOR STEEL PIPES 33.7 mm – 60.3 mm

FOR BLACK STEEL PIPES 20 mm – 63.5 mm



COMPRESSION FITTINGS ELBOW, MALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

FOR PE PIPES 32 mm – 63 mm



TYPE EK AND EKf

MALLEABLE CAST IRON END CAP

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Water, gas (outside buildings), compressed air, heating oil EL (according to DIN 51603-1) up to 2" (observe TRBF/regulations for flammable liquids!; only for filling lines for heating oil)



SERIES 150:

21.3 mm - 60.3 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 10 bar up to 3/4" and max. 16 bar from 1" Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines) from DN 15: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2216
 Gas from DN 15: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1454
 Filling lines for heating oil EL (according to DIN 51603-1) from DN 15: construction approval DIBt, Approval No.: Z-38.4-212
 technical approval national certificates
 hygienic certificate: national certificates

SERIES 220:

76.1 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: Cold water range max. 25°C/max. 16 bar
 Heating water max. 80°C/ max. 6 bar
 Gas from DN 15 (outside buildings): ambient temperature -20°C to +60°C, max. 5 bar
 Compressed air: max. 10 bar

TESTS/APPROVALS:

Water: DVGW W 534, DVGW-Reg.-No.: DW-8511AU2217
 Gas: DIN 3387-1, DVGW-Reg.-No.: NG-4502AP1491
 technical approval national certificates
 hygienic certificate: national certificates

DN	Pipe outer-Ø [mm]	Code
15	21.3 (1/2")	01.150.07.01
20	26.9 (3/4")	01.150.07.02
25	33.7 (1")	01.150.07.03
32	42.4 (1 1/4")	01.150.07.04
40	48.3 (1 1/2")	01.150.07.05
50	60.3 (2")	01.150.07.06
65	76.1 (2 1/2")	01.220.07.07

TYPES EK and EKF

MALLEABLE CAST IRON END CAPS

FOR BLACK STEEL PIPES

DIN EN 10220 series 2 and 3

MEDIA: water, compressed air, heating oil EL (according to DIN 51603-1) only 57 mm (observe regulations for flammable liquids!; only for filling lines for heating oil)

SERIES 150/15S: 20 mm – 63.5 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Heating oil EL according to DIN 51603-1 (only for filling lines)
 ONLY for dimension 57 mm: 40°C/max. 6 bar
 Compressed air: max. 12.5 bar

TESTS/APPROVALS:

filling lines for heating oil EL (according to DIN 51603-1): for 57 mm -construction approval DIBT, approval no.: Z-38.4-212, technical approval national certificates



SERIES 220/22S: 70 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Heating water max. 80°C/ max. 6 bar
 Compressed air: max. 10 bar



DN	Pipe outer-Ø [mm]	Code
15	20.0	02.150.07.20
20	25.0	02.150.07.25
25	31.8	02.150.07.318
32	38.0	02.150.07.38
32	44.5	02.150.07.445
40	51.0	02.150.07.51
50	57.0	02.150.07.57
50	63.5	02.150.07.635
65	70.0	02.220.07.70

TYPE EK

MALLEABLE CAST IRON END CAPS

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/ A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

MEDIA: see information operating temperatures and pressure

IMPORTANT: When installing the Gebo Original fittings, series 155/153, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings.

SERIES 153/15S: 20 mm – 63 mm

OPERATING TEMPERATURES AND OPERATING PRESSURE:

Water: max. 20°C/PE 80 and PE-Xa max. 12.5 bar; PE 100 max. 16 bar
 Gas (outside buildings): PE 80 max. 4 bar, PE 100 max. 10 bar and PE-Xa max. 8 bar
 Compressed air: PE 80 and PE-Xa max. 10 bar; PE 100 max. 12.5 bar

Tests/approvals for Gebo Original series 155/153 using the appropriate GEBO support sleeve:

water: DIN 8076/DIN EN 10284, DVGW Reg. No.: CW-7511CP0631;
 gas: DVGW work sheet G 5600-1, DVGW Reg. No.: DG-7521CP0412
 technical approval national certificates
 hygienic certificate: national certificates



DN	Pipe outer-Ø [mm]	Code
15	20.0	03.153.07.20
20	25.0	03.153.07.25
25	32.0	03.153.07.32
32	38.0*	03.153.07.38
32	40.0	03.153.07.40
40	50.0	03.153.07.50
50	63.0	03.153.07.63

* - Not for gas applications.

DIMENSIONS AND WEIGHTS

DN	STEEL PIPES		BLACK STEEL PIPES		PE PIPES		Length ~A [mm]	Wrench size or flange cover size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]				min.	max.
15	21.3	0.2	20.0	0.2	20.0	0.2	51	41	44	30	40
20	26.9	0.4	25.0	0.3	25.0	0.4	53	50	54	30	40
25	33.7	0.5	31.8	0.4	30.0	0.5	55	55	60	35	40
					32.0	0.5	55	55	60	35	40
32	42.4	0.8	44.5	0.6	38.0	0.8	61	70	76	40	45
					40.0	0.7	61	70	76	40	45
40	48.3	0.9	51.0	0.8	50.0	0.9	63	75	81	40	50
50	60.3	1.3	57.0	1.3	63.0	1.3	72	90	97	40	55
			63.5	1.5	72	90	97	40	55		
65	76.1	3.1	70.0	3.1			118	100	150	50	90

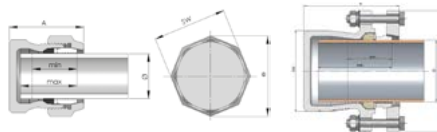
COMPRESSION FITTING END CAP TYPE EK + EKf FOR STEEL PIPE AND BLACK STEEL PIPE

FOR STEEL PIPES

21.3 mm – 60.3 mm and 76.1 mm

FOR BLACK STEEL PIPES

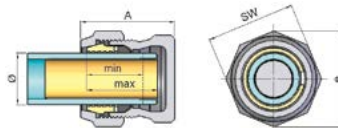
20 mm – 63.5 mm and 70mm



COMPRESSION FITTING END CAP TYPE EK + EKf FOR PE PIPE INCL. SUPPORT SLEEVE

FOR PE PIPES

20 mm – 63 mm



SPARE PARTS

**SPARE PARTS SET FOR SERIES 150 + 220:
COMPRESSION RING, WASHER AND SEAL**

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

- 3-part
- All parts are available individually!



3-PART

Pipe outer-Ø [mm]	Code
21.3 (1/2")	01.161.48.01
26.9 (3/4")	01.161.48.02
33.7 (1")	01.161.48.03
42.4 (1 1/4")	01.161.48.04
48.3 (1 1/2")	01.161.48.05
60.3 (2")	01.161.48.06
76.1 (2 1/2")	01.161.48.07
88.9 (3")	01.161.48.08
114.3 (4")	01.161.48.09

NBR SEAL

Pipe outer-Ø [mm]	Code
21.3 (1/2")	91000100
26.9 (3/4")	91000200
33.7 (1")	91000300
42.4 (1 1/4")	91000400
48.3 (1 1/2")	91000500
60.3 (2")	91000600
76.1 (2 1/2")	91000700
88.9 (3")	91000800
114.3 (4")	91000900

WASHER

Pipe outer-Ø [mm]	Code
21.3 (1/2")	91200100
26.9 (3/4")	91200200
33.7 (1")	91200300
42.4 (1 1/4")	91200400
48.3 (1 1/2")	91200500
60.3 (2")	91200600
76.1 (2 1/2")	91200700
88.9 (3")	91200800
114.3 (4")	91200900

COMPRESSION RING

Pipe outer-Ø [mm]	Code
21.3 (1/2")	91110100
26.9 (3/4")	91110200
33.7 (1")	91110300
42.4 (1 1/4")	91110400
48.3 (1 1/2")	91110500
60.3 (2")	91110600
76.1 (2 1/2")	91080700
88.9 (3")	91080800
114.3 (4")	00141000

SPARE PARTS

CONVERSION KIT FOR SERIES 150/155 + 220/225
COMPRESSION RING, WASHER AND SEAL

FOR BLACK STEEL PIPES

DIN EN 10220 Series 2 and 3



- 3-part
- For the pipes of diameters 38.0 mm, 44.5 mm, 51 mm, 63.5 mm and 82.5 mm only complete pipe connections can be supplied
- According to the size the compression rings are made of brass or galvanized steel

3-PART SERIES 150 + 220

Pipe outer- ϕ [mm]	Code
20.0	02.163.48.20
25.0	02.163.48.25
31.8	02.163.48.318
57.0	02.163.48.57
70.0	02.163.48.70
108.0	02.163.48.108

SPARE PARTS

CONVERSION KIT FOR SERIES 153/155 AND 220 PE/22P:
COMPRESSION RING, WASHER AND SEAL

FOR PE PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893



- 3-part
- For the pipes of diameters 50 mm and 63 mm, only complete pipe connections can be supplied

3-PART SERIES 153/155 + 220 PE/22P

Pipe outer- ϕ [mm]	Code
20.0	03.162.48.20
25.0	03.162.48.25
30.0	03.162.48.30
32.0	03.162.48.32
38.0	03.162.48.38
40.0	03.162.48.40
75.0	03.162.48.75
90.0	03.162.48.90
110.0	03.162.48.110

SUPPORT SLEEVES

FOR PLASTIC PIPES

made of PE80, PE100 and PE-Xa



Pipe series S5, SDR 11

Pipe outer- ϕ [mm]	Length [mm]	Code
20 x 1.9	60	03.354.75.2019
25 x 2.3	65	03.354.75.2523
32 x 2.9	70	03.354.75.3230
40 x 3.7	75	03.354.75.4037
50 x 4.6	80	03.354.75.5046
63 x 5.8	90	03.354.75.6358

ASSEMBLY INSTRUCTIONS

FOR STEEL PIPES

DIN EN 10255 and DIN 10220 series 1

SERIES 150

DIMENSIONS:

Jointing threads ISO 7/1	Pipe outer-Ø [mm]
3/8"	17.2
1/2"	21.3
3/4"	26.9
1"	33.7
1 1/4"	42.4
1 1/2"	48.3
2"	60.3

ASSEMBLY PROCEDURE:

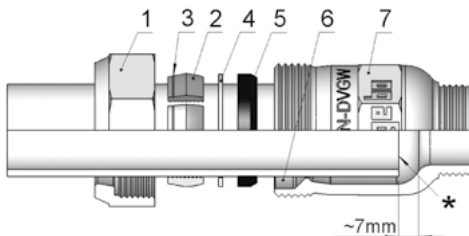
The slitted compression ring (2) design allows a straight as well as angled assembly of the pipes to be connected.

Straight installation: Compression ring (2) with the marking groove side (3) in the direction of the cone nut (1)

Angular installation: Compression ring with marking groove side (3) in the direction of the sealing chamber (6)

1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be free from burr, un-deformed and without threads. Remove paint coating and contamination.
2. Slide cone nut (1), compression ring (2), washer (4) and seal (5) on the pipe end as shown.
3. Slide the seal (5) minimum 10 mm above the pipe end.
4. Slide in the pipe end with the individual elements into the sealing chamber (6) of the fitting body (7); check for perfect fit.
5. Thread on and tighten the cone nut (1) with the fitting body (7). Prevent the tube from turning along.

If using a torque wrench, use the following torque as guide values:
 3/8" - 1" = 150 Nm · 1 1/4" - 2" = 200 Nm



- 1 Cone nut
- 2 Compression ring
- 3 Marking groove
- 4 Washer
- 5 Seal
- 6 Sealing chamber
- 7 Fitting body

* Respect the installation length! Pipes may not be inserted up to the end stop or in the case of couplings not abut.

ASSEMBLY INSTRUCTIONS

FOR PE-PIPES

PE 80, PE 100, PE-Xa (each SDR 11) according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

IMPORTANT: When installing the Gebo Original fittings, series 155/153, in PE pipes, the use of GEBO support sleeves is mandatory. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings.

SERIES 153/155

DIMENSIONS:

Joining threads ISO 7/1	Pipe Outer-Ø x wall thickness [mm]
1/2"	20 x 1.9
3/4"	25 x 2.3
1"	32 x 2.9
1 1/4"	40 x 3.7
1 1/2"	50 x 4.6
2"	63 x 5.8

ASSEMBLY PROCEDURE (INCLUDING SUPPORT SLEEVE):

1. Cut the pipe end to be connected at right angles to the axis.
2. Mark length of support sleeve on the pipe end.
3. Slide cone nut (1), compression ring (2), washer (3) and seal (4) on the pipe end, as shown. Slide in the support sleeve (7) into the pipe end.
4. Slide the seal (4) minimum 10 mm above the pipe end.
5. The support sleeve must project beyond the clamping element by at least 10 mm.
6. Slide in the pipe end with the individual elements into the sealing chamber (5) of the fitting body (6); check for perfect fit.
7. Thread on and tighten the cone nut (1) with the fitting (6).

If using a torque wrench, use the following torque as guide values:

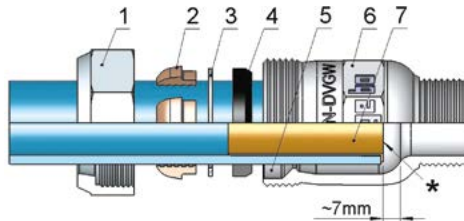
20 mm, 25 mm = 100 Nm

32-40 mm = 140 Nm

50-63 mm = 180 Nm

- 1 Cone nut
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Sealing chamber
- 6 Fitting body
- 7 support sleeve

* Respect the installation length! Pipes may not be inserted up to the end stop or in the case of couplings not abut.



ASSEMBLY INSTRUCTIONS

FOR STEEL PIPES

DIN EN 10255, DIN 2442 and DIN 2448/DIN 2458 Series 1, ISO 65

SERIES 220

DIMENSIONS:

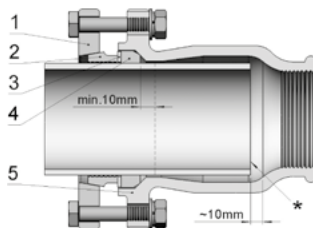
Joining threads ISO 7/1	Pipe outer- \emptyset [mm]
2 1/2"	76.1
3"	88.9
4"	114.3

ASSEMBLY PROCEDURE:

1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be free from burr, un-deformed and without threads. Paint applications and contamination must be removed.
2. Slide flange (1), compression ring (2), washer (3) and seal (4) on the pipe end, as shown.
3. Slide the seal (4) minimum 10 mm above the pipe end.
4. Insert pipe end with the individual elements in the fitting body (5), check for perfect fit.
5. Thread on the flange (1) and fitting body (5) crosswise.

Tightening torque for screws (torque wrench) 50 Nm.

After allowing a 5 minutes setting time, tighten the screws once again.



- 1 Flange cover
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Fitting body

* Respect the installation length! Pipes may not be inserted up to the end stop or in the case of couplings not abut.

ASSEMBLY INSTRUCTIONS

FOR PE-PIPES

PE 80, PE 100, PE-Xa [each SDR 11] according to DVGW work sheet GW 335 A2/A3 and DIN 8074/75, DIN EN 12201-2 and DIN 16893

IMPORTANT: When installing the Gebo Original fittings, series 22P, in PE pipes, the use of GEBO support sleeves is mandatory. For sizes from 75 mm, please use commercially available support sleeves for SDR 11 pipes. Please order the GEBO support sleeves separately (see page 73), as not included in the scope of delivery of the Gebo Original fittings.

SERIES 220 PE/22P

DIMENSIONS:

Jointing threads ISO 7/1	Pipe Outer-Ø x wall thickness [mm]
2 1/2"	75 x 6,8
3"	90 x 8,2
4"	110 x 10

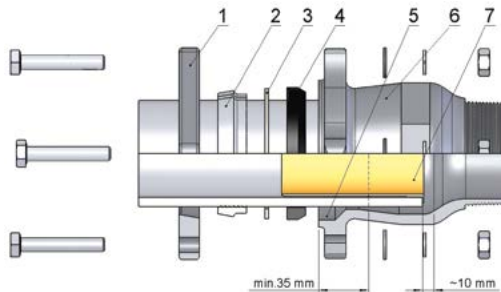
Assembly procedure (including support sleeve):

- Slide flange (1), compression ring (2), washer (3) and seal (4) on the pipe end, as shown.
- Insert support sleeve (7) up to the stop into the pipe end to be connected. Mark the length of the support sleeve on the pipe end in advance.
- Slide the seal (4) minimum 10 mm above the pipe end.
- Insert pipe end with the individual elements in the fitting body (5), check for perfect fit.
The compression ring must be placed at least 10 mm before the marking of the support sleeve length!
- Thread on the flange (1) and fitting body (5) crosswise.
Tightening torque for screws (torque wrench) 50 Nm.

After allowing a 5 minutes setting time, tighten the screws once again.

- 1 Flange cover
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Sealing chamber
- 6 Fitting body
- 7 Support sleeve

* Respect the installation length! Pipes may not be inserted up to the end stop or in the case of couplings not abut.



THINGS TO KNOW ABOUT OUT HIGH TEMPERATURES-RESISTANT CAST MALLEABLE IRON COMPRESSION FITTINGS SERIES 180 + 225:

SPECIALLY SUITABLE FOR GAS INSTALLATION INSIDE BUILDINGS

OUR HTB-COMPRESSION FITTINGS ARE:

- fire-resistant, that means that they can withstand for 30 minutes temperatures up to 650 °
- suitable for long term use
- restrained, that means resistant to tensile and shearing strength
- bending possible up to 3°, for couplings 2 x 3° = 6°
- suitable as potential balancing

MATERIALS USED

Fitting body:	Malleable cast iron EN-GJMB 350-10, EN 1562
Cone nut / Flange:	Malleable cast iron EN-GJMB 350-10, EN 1562
Compression ring:	Galvanised steel yellow
Washer:	Galvanised steel
O-Ring seal:	NBR
Fire-proof ring seal:	Graphite
Galvanisation:	Hot-dip galvanising of the fitting bodies, flange plates and cone nuts (Hot dip galvanising according to DIN EN 10242) The exposure of surfaces occurring in the course of machining is galvanically zinc coated.
Jointing threads:	Steel compression rings and washers are also galvanically zinc coated conforming to ISO 7/1 respectively DIN EN 10226/1

AREAS OF APPLICATION

Repairs to existing pipelines and new installation of pipelines for the domestic gas installation for gases accordingly DVGW work sheet G 260

High temperature-resistant compression fittings of cast malleable iron for steel pipe:
Threaded pipe conforming to DIN EN 10255 and DIN EN 10220 series 1

Typical areas of application: Repairs of gas lines inside buildings
New installation of gas lines inside buildings
The HTB compression fitting is often used as a binding link between house introduction combination with main locking device and internal line installation.

*high-temperature-resistant version for domestic gas installation

TYPE AT + AFT

WITH MALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

SERIES 225:

76.1 – 114.3 mm

PRESSURE STAGES:

Gas: 1 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1474



DN	JOINTING THREAD X PIPE OUTER-Ø [MM]	CODE
15	1/2" x 21.3	01.180.00.01
20	3/4" x 26.9	01.180.00.02
25	1" x 33.7	01.180.00.03
32	1 1/4" x 42.4	01.180.00.04
40	1 1/2" x 48.3	01.180.00.05
50	2" x 60.3	01.180.00.06
65	2 1/2" x 76.1	01.225.00.07
80	3" x 88.9	01.225.00.08
100	4" x 114.3	01.225.00.09

DIMENSIONS AND WEIGHTS

DN	CONNECTING THREAD R 150 7/1	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
		PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
20	3/4"	26.9	0.5	100	50	54	30	70
25	1"	33.7	0.6	100	55	60	35	65
32	1 1/4"	42.4	0.8	115	70	76	40	70
40	1 1/2"	48.3	1.1	115	75	81	40	75
50	2"	60.3	1.7	130	90	97	40	85
65	2 1/2"	76.1	3.2	160	100	150	50	95
80	3"	88.9	4.6	185	120	160	50	105
100	4"	114.3	6.1	180	135	185	50	105

*high-temperature-resistant version for domestic gas installation

TYPE IT + IFT

WITH FEMALE THREAD

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C



SERIES 180:
21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1477



SERIES 225:
76.1 – 114.3 mm

PRESSURE STAGES:

Gas: 1 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1474

DN	JOINTING THREAD X PIPE OUTER-Ø [MM]	CODE
15	1/2" x 21.3	01.180.01.01
20	3/4" x 26.9	01.180.01.02
25	1" x 33.7	01.180.01.03
32	1 1/4" x 42.4	01.180.01.04
40	1 1/2" x 48.3	01.180.01.05
50	2" x 60.3	01.180.01.06
65	2 1/2" x 76.1	01.225.01.07
80	3" x 88.9	01.225.01.08
100	4" x 114.3	01.225.01.09

DIMENSIONS AND WEIGHTS

DN	CONNECTING THREAD Rp ISO 7/1	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
		PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
20	3/4"	26.9	0.6	100	50	54	30	70
25	1"	33.7	0.6	100	55	60	35	65
32	1 1/4"	42.4	1.0	115	70	76	40	70
40	1 1/2"	48.3	1.2	115	75	81	40	75
50	2"	60.3	1.7	130	90	97	40	85
65	2 1/2"	76.1	3.2	155	100	150	50	95
80	3"	88.9	4.1	170	120	160	50	105
100	4"	114.3	5.3	160	135	185	50	105

*high-temperature-resistant version for domestic gas installation

TYPE OT + OFT

FOR CLAMPING ON BOTH SIDES

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

SERIES 225:

76.1 – 114.3 mm

PRESSURE STAGES:

Gas: 1 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1474



DN	PIPE OUTER-Ø [MM]	CODE
15	21.3 x 21.3 [1/2"]	01.180.02.01
20	26.9 x 26.9 [3/4"]	01.180.02.02
25	33.7 x 33.7 [1"]	01.180.02.03
32	42.4 x 42.4 [1 1/4"]	01.180.02.04
40	48.3 x 48.3 [1 1/2"]	01.180.02.05
50	60.3 x 60.3 [2"]	01.180.02.06
65	76.1 x 76.1 [2 1/2"]	01.225.02.07
80	88.9 x 88.9 [3"]	01.225.02.08
100	114.3 x 114.3 [4"]	01.225.02.09

DIMENSIONS AND WEIGHTS

DN	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
	PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
20	26.9	0.7	100	50	54	30	70
25	33.7	0.8	100	55	60	35	65
32	42.4	1.4	115	70	76	40	70
40	48.3	1.6	115	75	81	40	75
50	60.3	2.2	130	90	97	40	85
65	76.1	5.2	210	./.	150	50	75
80	88.9	6.0	220	./.	160	50	85
100	114.3	7.6	210	./.	185	50	85

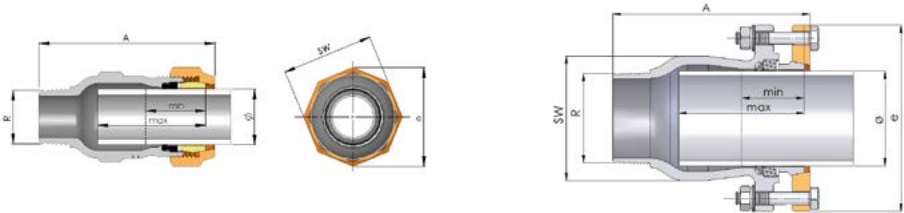
*high-temperature-resistant version for domestic gas installation

COMPRESSION FITTINGS FOR STEEL PIPE TYPE AT + AFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm

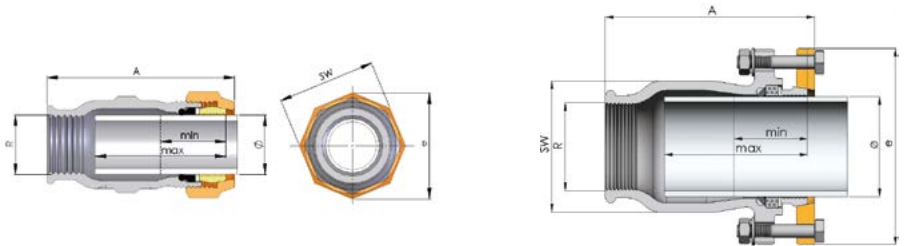


COMPRESSION FITTINGS FOR STEEL PIPE TYPE IF + IFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm

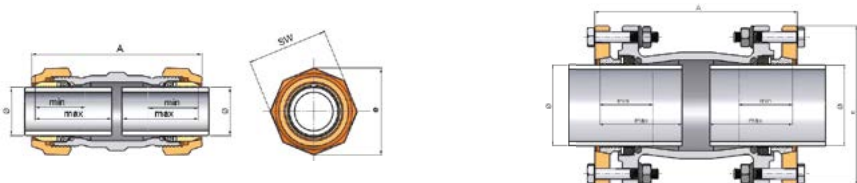


COMPRESSION FITTINGS FOR STEEL PIPE TYPE OT + OFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm



*high-temperature-resistant version for domestic gas installation

TYPE TT + TFT

OUTLET WITH FEMALE THREAD, CLAMPING ON BOTH SIDES

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

SERIES 225:

76.1 – 114.3 mm

PRESSURE STAGES:

Gas: 1 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1474



DN	PIPE OUTER-Ø [MM] X JOINTING THREAD. 1 x 2 x 3	CODE
15	21.3 x 21.3 x 1/2"	01.180.04.01
20	26.9 x 26.9 x 3/4"	01.180.04.02
25	33.7 x 33.7 x 1"	01.180.04.03
32	42.4 x 42.4 x 1 1/4"	01.180.04.04
40	48.3 x 48.3 x 1 1/2"	01.180.04.05
50	60.3 x 60.3 x 2"	01.180.04.06
65	76.1 x 76.1 x 2 1/2"	01.225.04.07
80	88.9 x 88.9 x 3"	01.225.04.08
100	114.3 x 114.3 x 4"	01.225.04.09

DIMENSIONS AND WEIGHTS

DN	CONNECTING THREAD Rp ISO 7/1	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
		PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX
20	3/4"	26.9	0.8	138	50	54	30	70
25	1"	33.7	0.9	145	55	60	35	65
32	1 1/4"	42.4	1.4	148	70	76	40	70
40	1 1/2"	48.3	1.7	162	75	81	40	75
50	2"	60.3	2.5	190	90	97	40	85
65	2 1/2"	76.1	6.0	260	./.	150	50	75
80	3"	88.9	7.5	290	./.	160	50	85
100	4"	114.3	9.1	285	./.	185	50	85

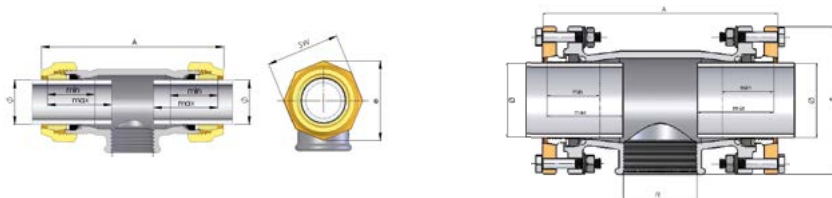
*high-temperature-resistant version for domestic gas installation

COMPRESSION FITTINGS FOR STEEL PIPE TYPE TT + TFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm



*high-temperature-resistant version for domestic gas installation

TYPE OLT	CLAMPING ON BOTH SIDES, LONG VERSION
FOR STEEL PIPE	DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS::

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417



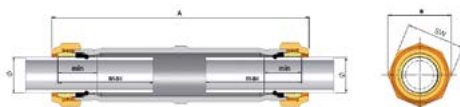
DN	PIPE OUTER-Ø [MM]	CODE
15	21.3 x 21.3 (1/2")	01.180.03.01
20	26.9 x 26.9 (3/4")	01.180.03.02
25	33.7 x 33.7 (1")	01.180.03.03
32	42.4 x 42.4 (1 1/4")	01.180.03.04
40	48.3 x 48.3 (1 1/2")	01.180.03.05
50	60.3 x 60.3 (2")	01.180.03.06

DIMENSIONS AND WEIGHTS

DN	STEEL PIPE		LENGTH -A [mm]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
	PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
						15	21.3
20	26.9	1.2	230	50	54	30	100
25	33.7	1.3	230	55	60	35	100
32	42.4	2.0	230	70	76	40	100
40	48.3	2.6	230	75	81	40	100
50	60.3	3.1	230	90	97	40	100

COMPRESSION FITTINGS FOR STEEL PIPE TYPE OLT

FOR STEEL PIPE 21.3 mm – 60.3 mm



*high-temperature-resistant version for domestic gas installation

TYPE ORT	CLAMPING ON BOTH SIDES, REDUCED
FOR STEEL PIPE	DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C



SERIES 180:
33.7 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

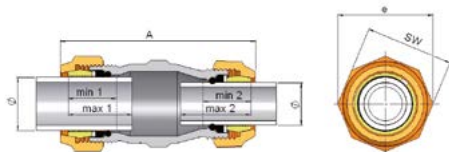
DN	PIPE OUTER-Ø [MM]	CODE
25 x 20	33.7 x 26.9 (1" x 3/4")	01.180.02.0302
32 x 20	42.4 x 26.9 (1 1/4" x 3/4")	01.180.02.0402
32 x 25	42.4 x 33.7 (1 1/4" x 1")	01.180.02.0403
40 x 25	48.3 x 33.7 (1 1/2" x 1")	01.180.02.0503
40 x 32	48.3 x 42.4 (1 1/2" x 1 1/4")	01.180.02.0504
50 x 32	60.3 x 42.4 (2" x 1 1/4")	01.180.02.0604
50 x 40	60.3 x 48.3 (2" x 1 1/2")	01.180.02.0605

DIMENSIONS AND WEIGHTS

DN	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]		
	PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN. 1	MIN. 2	MAX.
32 x 20	42.4 x 26.9	1.1	130	70	76	40	30	55
32 x 25	42.4 x 33.7	1.1	130	70	76	40	35	55
40 x 25	48.3 x 33.7	1.3	130	75	81	40	35	55
40 x 32	48.3 x 42.4	1.5	130	75	81	40	40	55
50 x 32	60.3 x 42.4	2.1	145	90	97	40	40	65
50 x 40	60.3 x 48.3	2.1	145	90	97	40	40	65

COMPRESSION FITTINGS FOR STEEL PIPE TYPE ORT

FOR STEEL PIPE	33.7 mm – 60.3 mm
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*high-temperature-resistant version for domestic gas installation

TYPE WOT

ELBOW, CLAMPING ON BOTH SIDES

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417



DN	PIPE OUTER-Ø [MM]	CODE
15	21.3 x 21.3 [1/2"]	01.180.08.01
20	26.9 x 26.9 [3/4"]	01.180.08.02
25	33.7 x 33.7 [1"]	01.180.08.03
32	42.4 x 42.4 [1 1/4"]	01.180.08.04
40	48.3 x 48.3 [1 1/2"]	01.180.08.05
50	60.3 x 60.3 [2"]	01.180.08.06

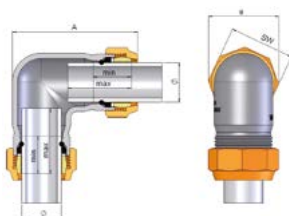
DIMENSIONS AND WEIGHTS

DN	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
	PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
20	26.9	0.8	105	50	54	30	50
25	33.7	1.0	115	55	60	35	50
32	42.4	1.6	125	70	76	40	55
40	48.3	1.9	150	75	81	40	75
50	60.3	3.1	170	90	97	40	85

COMPRESSION FITTINGS FOR STEEL PIPE TYPE WOT

FOR STEEL PIPE

21.3 mm – 60.3 mm



*high-temperature-resistant version for domestic gas installation

TYPE WAT	ELBOW WITH MALE THREAD
FOR STEEL PIPE	DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C



SERIES 180:
33.7- 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

DN	PIPE OUTER-Ø [MM]	CODE
25	1" x 33.7	01.180.09.03
40	1 1/2" x 48.3	01.180.09.05
50	2" x 60.3	01.180.09.06

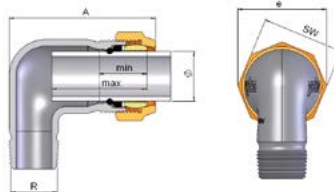
DIMENSIONS AND WEIGHTS

DN	CONNECTING THREAD R ISO 7/1	STEEL PIPE		LENGTH -A [MM]	WRENCH SIZE ~SW [MM]	CORNER DIMENSION ~E [MM]	DEPTH OF INSERTION [MM]	
		PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
40	1 1/2"	48.3	1.3	150	75	81	40	75
50	2"	60.3	2.0	170	90	97	40	85

COMPRESSION FITTINGS FOR STEEL PIPE TYPE WAT

FOR STEEL PIPE

33.7 mm – 60.3 mm



*high-temperature-resistant version for domestic gas installation

TYPE EKT + EKFT

END CAP

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

MEDIA: Gas

AMBIENT TEMPERATURE: -20°C to +60°C

SERIES 180:

21.3 – 60.3 mm

PRESSURE STAGES:

Gas: 5 bar

TESTS/APPROVALS:

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1417

SERIES 225:

76.1 mm

PRESSURE STAGES:

Gas: 1 bar

TESTS/APPROVALS:.

Gas DIN 3387-1, DVGW-Reg.-Nr.: NG-4502AP1474



DN	PIPE OUTER-Ø [MM]	CODE
15	21.3 (1/2")	01.180.07.01
20	26.9 (3/4")	01.180.07.02
25	33.7 (1")	01.180.07.03
32	42.4 (1 1/4")	01.180.07.04
40	48.3 (1 1/2")	01.180.07.05
50	60.3 (2")	01.180.07.06
65	76.1 (2 1/2")	01.225.07.07

DIMENSIONS AND WEIGHTS

DN	STEEL PIPE		LENGTH ~A [MM]	WRENCH SIZE ~SW [MM]	CORNER DIMENSION ~E [MM]	DEPTH OF INSERTION [MM]	
	PIPE OUTER-Ø [MM]	WEIGHT [KG]				MIN.	MAX.
20	26.9	0.4	53	50	54	30	40
25	33.7	0.5	55	55	60	35	40
32	42.4	0.8	61	70	76	40	45
40	48.3	0.9	63	75	81	40	50
50	60.3	1.4	72	90	97	40	55
65	76.1	3.2	118	100	150	50	90

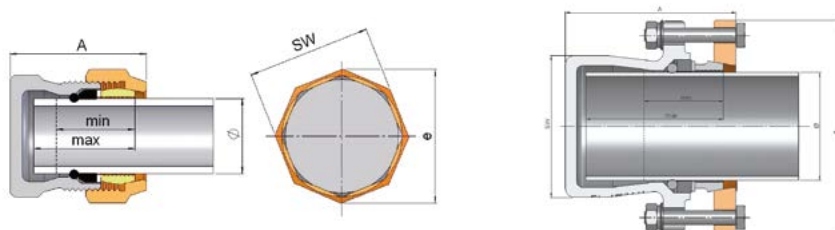
*high-temperature-resistant version for domestic gas installation

END CAP, COMPRESSION FITTINGS FOR STEEL PIPE TYPE EKT + EKFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm



*high-temperature-resistant version for domestic gas installation

SPARE PARTS

NBR O-RING, GRAPHITE RING, WASHER AND COMPRESSION RING

FOR STEEL PIPE

- High-temperature resistant design
- **Caution: HTB clamping and sealing elements may only be used in compression fittings, which bear a distinct yellow marking „HTB for Gas“ and have yellow galvanised cone nuts.**

These compression fittings have special dimensions in the sealing chamber area. A flexible-sealing Gebo compression fitting can never be converted to an HTB compression fitting, as this voids the warranty.

O-RING NBR

PIPE OUTER-Ø [MM]	CODE
21.3 [1/2"]	91020100
26.9 [3/4"]	00062700
33.7 [1"]	00062800
42.4 [1 1/4"]	00062900
48.3 [1 1/2"]	00063000
60.3 [2"]	00063100
76.1 [2 1/2"]	00063900
88.9 [3"]	00064000
114.3 [4"]	00064100



GRAPHITE RING

PIPE OUTER-Ø [MM]	CODE
21.3 [1/2"]	91010100
26.9 [3/4"]	91010200
33.7 [1"]	91010300
42.4 [1 1/4"]	91010400
48.3 [1 1/2"]	91010500
60.3 [2"]	91010600
76.1 [2 1/2"]	22560700
88.9 [3"]	22560800
114.3 [4"]	22560900



WASHER

PIPE OUTER-Ø [MM]	CODE
21.3 [1/2"]	91200100
26.9 [3/4"]	91200200
33.7 [1"]	91200300
42.4 [1 1/4"]	91200400
48.3 [1 1/2"]	91200500
60.3 [2"]	91200600
76.1 [2 1/2"]	91200700
88.9 [3"]	91200800
114.3 [4"]	91200900



*high-temperature-resistant version for domestic gas installation



HTB SPARE PART: COMPRESSION RING

PIPE OUTER-Ø [MM]	CODE
21.3 [1/2"]	18110100
26.9 [3/4"]	18110200
33.7 [1"]	18110300
42.4 [1 1/4"]	18110400
48.3 [1 1/2"]	18110500
60.3 [2"]	18110600
76.1 [2 1/2"]	91080700
88.9 [3"]	91080800
114.3 [4"]	00141000

*high-temperature-resistant version for domestic gas installation

HTB SERIES 180: ASSEMBLY INSTRUCTIONS

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

Max. operating pressure: Gas: 5 bar**Ambient temperature:** -20 °C to +60 °C. Higher thermal loading capacity up to 650 °C for 30 minutes.**Media:** All gases conforming to DVGW – Worksheet G 260**Tests/approvals:** Tested for gas according to DIN 3387-1, DIN DVGW Reg.-Nr.: NG- 4502 AP 1417**Range of application:** Installation for gas lines inside buildings.

SERIES 180:

JOINTING THREAD ISO 7/1	PIPE OUTER-Ø [MM]
1/2"	21.3
3/4"	26.9
1"	33.7
1 1/4"	42.4
1 1/2"	48.3
2"	60.3

ASSEMBLY PROCEDURE:

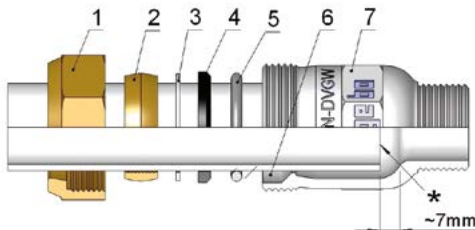
1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be **free from burr, un-deformed and without threads**. Paint applications and contamination must be removed.
2. Slide cone nut (1), compression ring (2), washer (3), graphite ring (4) and O-ring (5) on the pipe end as shown.
3. Slide O-ring (5) at least 10 mm above the pipe end.
4. Insert the pipe end with the individual elements in sealing chamber (6) of the fitting body (7); check for perfect fit.
5. Thread on and tighten the cone nut (1) with the fitting body (7).

Caution: In order to avoid damage to the seal element, neither the pipe nor the fitting body should rotate during assembly.

If using a torque wrench, use the following torque as guide values:

1/2" – 1" = 150 Nm

1 1/4" – 2" = 200 Nm



- 1 Cone nut
- 2 Compression ring
- 3 Washer
- 4 Graphite ring
- 5 O-ring
- 6 Sealing chamber
- 7 Fitting body

* **Respect the installation length!** Pipes may not be inserted up to the end stop or in the case of couplings not abut.

*high-temperature-resistant version for domestic gas installation

HTB SERIES 225: ASSEMBLY INSTRUCTIONS

FOR STEEL PIPE

DIN EN 10255 and DIN EN 10220 series 1

Max. operating pressure: Gas: 1 bar

Ambient temperature: -20°C to +60°C. Higher thermal loading capacity up to 650 °C for 30 minutes.

Media: All gases conforming to DVGW – Worksheet G 260

Tests/approvals: Tested for gas according to DIN 3387-1, DIN DVGW Reg.-Nr.: NG- 4502 AP 1474

Range of application: Installation for gas lines inside buildings.

SERIES 225:

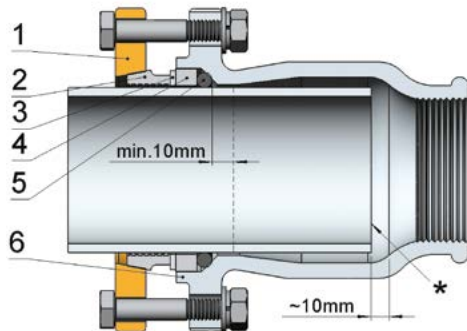
JOINTING THREAD ISO 7/1	PIPE OUTER-Ø [MM]
2 1/2"	76.1
3"	88.9
4"	114.3

ASSEMBLY PROCEDURE:

1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be **free from burr, un-deformed and without threads**. Paint applications and contamination must be removed.
 2. Slide flange (1), compression ring (2), washer (3), graphite ring (4) and O-ring (5) on the pipe end as shown.
 3. Slide O-ring (5) at least 10 mm above the pipe end.
 4. Insert pipe end with the individual elements in the fitting body (6); check for perfect fit.
 5. Thread on and tighten the flange (1) with the fitting body (6).
 6. Thread on the flange (1) and fitting body (6) crosswise.
- Tightening torque for screws (torque wrench) 50 Nm.

After allowing a 5 minutes setting time, tighten the screws once again.

- 1 Flange cover
- 2 Compression ring
- 3 Washer
- 4 Graphite ring
- 5 O-ring
- 6 Fitting body* **Respect the installation length!** Pipes may not be inserted up to the end stop or in the case of couplings not abut.



*high-temperature-resistant version for domestic gas installation

gebobrass

**BRASS COMPRESSION FITTINGS
FOR STEEL PIPES OR COPPER PIPES**



COMPLETE RANGE OF TYPES


BRASS COMPRESSION FITTINGS WITH MALE THREAD FOR STEEL PIPES:

page 101

Our brass compression fittings are available from DN 15 to DN 65 and are suitable for drinking water and heating water.


BRASS COMPRESSION FITTINGS WITH MALE THREAD OR CLAMPING ON BOTH SIDES FOR COPPER PIPES:

page 104

We offer this compression fitting for the outside pipe diameter 15 – 54 mm. It is also suitable for drinking water.

MATERIALS USED:

- **Fitting body:**
Brass
- **Cone nut:**
Brass
- **Compression ring:**
Galvanized steel, respectively brass
- **Washer:**
Galvanized steel,
- **Sealing ring:**
EPDM
- **Joining thread:**
According to ISO 7/1 respectively DIN EN 10226-1
- All metal materials in contact with water are according to the 4MSI composition list for metallic materials used for products in contact with drinking water
- The sealing ring is DVGW certified for cold and hot drinking water

AREAS OF APPLICATION:

Repairs to existing pipelines and new installation of pipe for water.

- **Brass compression fitting for steel pipes:**
Steel pipe according to DIN EN 10255 and DIN EN 10220 Series 1.
Typical areas of application:
 - Drinking water installation
 - Heating systems
- **Brass compression fitting for copper pipe:**
Copper pipes according to DIN EN 1057
Typical areas of application:
 - Drinking water installation
 - Heating Systems

GEBO Brass compression fittings are designed for continuous operation and restrained

TYP MAS + MAF

BRASS COMPRESSION FITTING, MALE THREAD

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 Series 1

SERIES 313

21.3 mm – 60.3 mm

MEDIA: drinking water hot and cold; heating water**OPERATING TEMPERATURES AND PRESSURE:**

Drinking water cold max. 25°C/max. 10 bar;

Drinking water hot max. 85°C/max. 6 bar

Heating water max. 85°C/max. 6 bar

TESTS/APPROVALS: DVGW working sheet W 534, DVGW-Reg.-No.: DW-8511CR0396

TYP MAS



SERIES 314

76.1 mm

MEDIA: drinking water hot and cold; heating water**OPERATING TEMPERATURES AND PRESSURE:**

Drinking water cold max. 25°C/max. 10 bar;

Drinking water hot max. 85°C/max. 6 bar

Heating water max. 85°C/max. 6 bar

TYP MAF



DN	Jointing thread x Pipe Outer-Ø [mm]	Code
15	1/2" x 21.3	01.313.00.01
20	3/4" x 26.9	01.313.00.02
25	1" x 33.7	01.313.00.03
32	1 1/4" x 42.4	01.313.00.04
40	1 1/2" x 48.3	01.313.00.05
50	2" x 60.3	01.313.00.06
65	2 1/2" x 76.1	01.314.00.07

DIMENSIONS AND WEIGHTS:

DN	Jointing thread R ISO 7/1	STEEL PIPE		Installation Length -A [mm]	Wrench Size -SW [mm]	Diagonal width -e [mm]	Depth of insertion [mm]	
		Pipe outer-Ø [mm]	Weight [kg]				min.	max.
							15	1/2"
20	3/4"	26.9	0.323	70	46	53	35	45
25	1"	33.7	0.505	80	55	64	35	50
32	1 1/4"	42.4	0.670	85	65	75	35	50
40	1 1/2"	48.3	0.855	90	70	81	40	55
50	2"	60.3	1.500	100	90	104	40	60
65	2" 1/2"	76.1	2.200	140	-	149	60	85

COMPRESSION FITTING FOR STEEL PIPE MAS + MAF

STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm



BRASS COMPRESSION FITTING, MALE THREAD

ASSEMBLY INSTRUCTION SERIES 313

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

OPERATING TEMPERATURES AND PRESSURE:

Drinking water cold max. 25°C/max. 10 bar

Drinking water hot max. 85°C/max. 6 bar

Heating water max. 85°C/max. 6 bar

MEDIA:

Drinking water, heating water

Joining thread ISO 7/1	Pipe outer-Ø [mm]
1/2"	21.3
3/4"	26.9
1"	33.7
1 1/4"	42.4
1 1/2"	48.3
2"	60.3

INSTRUCTIONS FOR USE:

1. Cut the pipe end to be connected at right angles to the axis.
The pipe end must be free from burrs and undeformed.
Remove paint coating and contamination.
2. Slide cone nut [1], compression ring [2], washer [3] and seal [4] on the pipe end as shown.
3. Slide the seal [4] minimum 10 mm above the pipe end.
4. Slide in the pipe end with the individual elements into the sealing chamber [5] of the fitting body [6]; check for perfect fit.
5. Thread on and tighten the cone nut (1) with the fitting body (6).
Prevent the tube from turning along.

If using a torque wrench, use the following torques:

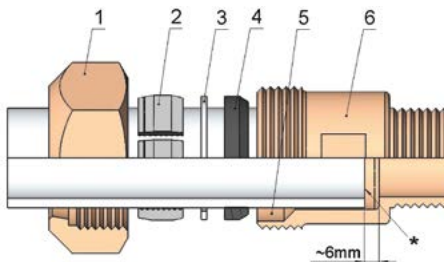
1/2" – 3/4" = 100 Nm

1" = 130 Nm

1 1/4" – 2" = 200 Nm

- 1 Cone nut
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Sealing chamber
- 6 Fitting body

* Take care about the insertion depth! Pipes may not be inserted up to the end stop.



MAF

BRASS COMPRESSION FITTINGS, MALE THREAD SERIES 314

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

OPERATING TEMPERATURES AND PRESSURE:

Drinking water cold max. 25°C/max. 10 bar;

Drinking water hot max. 85°C/max. 6 bar

Heating water max. 85°C/max. 6 bar

MEDIA:

Drinking water, heating water

Jointing thread ISO 7/1

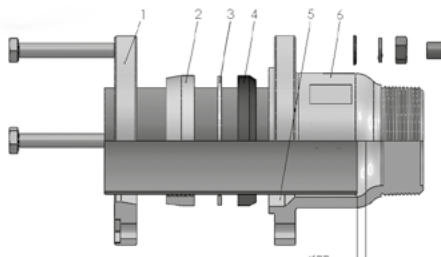
Pipe outer-Ø [mm]

2 1/2"

76.1

INSTRUCTION FOR USE:

1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be free from burrs and undeformed. Remove paint coating and contamination.
2. Slide flange cover (1), compression ring (2), washer (3) and seal (4) on the pipe end as shown.
3. Slide the seal (4) minimum 10 mm above the pipe end.
4. Slide in the pipe end with the individual elements into the sealing chamber (5) of the fitting body (6); check for perfect fit!
5. Thread on the flange cover (1) and fitting body (5) crosswise. Tightening torque for screws (torque wrench) 50 Nm.



- 1 Flange cover
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Sealing chamber
- 6 Fitting body

* Take care about the installation length Pipes may not be inserted up to the end stop.

TYP MAS

BRASS COMPRESSION FITTING, MALE THREAD

FOR COPPER PIPES

DIN EN 1057, DVGW GW392



SERIES 310

15 mm – 54 mm

MEDIA:

drinking water; heating water

OPERATING TEMPERATURES AND PRESSURE:

Drinking water cold max. up to 25°C/max. 10 bar,

drinking water hot max. 80°C/max. 6 bar

heating water max 80°C/max 6 bar

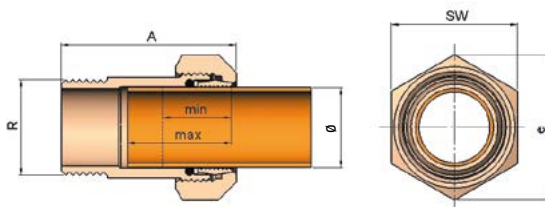
DN	Joining thread x Pipe outer-Ø [mm]	Code
12	1/2" x 15	04.310.00.0115
15	1/2" x 18	04.310.00.0118
20	3/4" x 22	04.310.00.0222
25	1" x 28	04.310.00.0328
32	1 1/4" x 35	04.310.00.0435
40	1 1/2" x 42	04.310.00.0542
50	2" x 54	04.310.00.0654

DIMENSIONS AND WEIGHTS

DN	Joining thread R ISO 7/1	Pipe outer-Ø [mm]	Weight [kg]	Length ~A [mm]	Wrench size ~SW [mm]	Diagonal width ~e [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
12	1/2"	15	0.130	60	30	35	25	30
15	1/2"	18	0.271	65	41	47	30	35
20	3/4"	22	0.226	65	41	47	30	35
25	1"	28	0.308	75	46	53	30	40
32	1 1/4"	35	0.508	80	55	64	30	45
40	1 1/2"	42	0.681	90	65	75	35	50
50	2"	54	1.031	95	85	98	35	50

COMPRESSION FITTINGS FOR COPPER PIPES

TYP MAS 15 mm – 54 mm



TYP M0

BRASS FITTING WITH CLAMPING ON BOTH SIDES

FOR COPPER PIPES

DIN EN 1057, DVGW GW392

SERIES 310

15 mm – 54 mm

MEDIA:

drinking water; heating water

OPERATING TEMPERATURES AND PRESSURE:

Drinking water cold max. to 25°C/max. 10 bar,

drinking water hot max. 80°C/max. 6 bar

heating water max. 80°C/max 6 bar



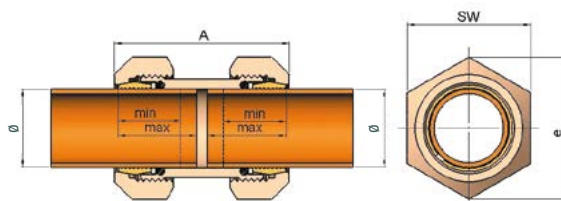
DN	Pipe outer- \emptyset [mm]	Code
12	15 x 15	04.310.02.15
15	18 x 18	04.310.02.18
20	22 x 22	04.310.02.22
25	28 x 28	04.310.02.28
32	35 x 35	04.310.02.35
40	42 x 42	04.310.02.42
50	54 x 54	04.310.02.54

DIMENSIONS AND WEIGHTS

DN	Pipe outer- \emptyset [mm]	Weight [kg]	Length -A [mm]	Wrench size ~SW [mm]	Diagonal width ~e [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
12	15	0.190	65	30	35	20	25
15	18	0.391	75	41	47	20	25
20	22	0.349	75	41	47	25	30
25	28	0.452	80	46	53	25	33
32	35	0.681	85	55	64	25	30
40	42	0.909	90	65	75	25	35
50	54	1.778	105	85	98	25	40

COMPRESSION FITTINGS FOR COPPER PIPES

TYP M0 15 mm – 54 mm



MAS + MO

BRASS COMPRESSION FITTING, SERIES 310

FOR COPPER PIPES

DIN EN 1057, DVGW GW392

OPERATING TEMPERATURES AND PRESSURE:

Drinking water cold max. 25°C/max. 10 bar, drinking water hot max. 80°C/max. 6 bar

Heating water max. 80°C/max. 6 bar

MEDIA:

Drinking water, heating water

Joining thread ISO 7/1	Pipe outer-Ø [mm]
1/2"	15
1/2"	18
3/4"	22
1"	28
1 1/4"	35
1 1/2"	42
2"	54

INSTRUCTIONS FOR USE:

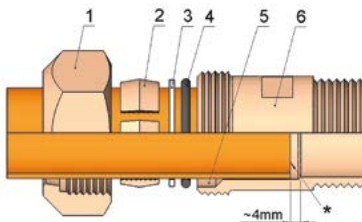
1. Cut the pipe end to be connected at right angles to the axis.
The pipe end must be free from burrs and undeformed.
Remove paint coating and contamination.
2. Slide cone nut (1), compression ring (2), washer (3) and seal (4) on the pipe end as shown.
3. Slide the seal (4) minimum 10 mm above the pipe end.
4. Slide in the pipe end with the individual elements into the sealing chamber (5) of the fitting body (6); check for perfect fit.
5. Thread on and tighten the cone nut (1) with the fitting body (6).
Prevent the tube from turning along.

If using a torque wrench, use the following torques:

1/2" – 1" = 100 Nm

1 1/4" – 2" = 150 Nm

- 1 Cone nut
- 2 Compression ring
- 3 Washer
- 4 Seal
- 5 Sealing chamber
- 6 Fitting body



* Take care about the insertion depth! Pipes may not be inserted up to the end stop or in case of couplings not abut.

TELEGEBO

THREADED REPAIR FITTING WITH LENGTH ADJUSTMENT, SERIES 503



For threaded pipes/pipe accessories with threads according to DIN EN 10226-1 resp. ISO 7/1

All parts of series 503 in contact with drinking water fulfil the current German valid hygienic requirements for drinking water of UBA/Umweltbundesamt (4MSI material composition lists)

BRASS MATERIAL:

Brass lead-free, good stress crack corrosion resistance (SCCR), high dezincification resistance (DZR)

APPLICATION:

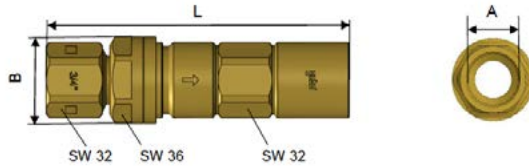
Installation for drinking water hot and cold, Heating water

OPERATING PRESSURE AND TEMPERATURE:

Drinking water: cold water max. + 25°C/max. 10 bar
warm water max. + 70°C/max. 6 bar

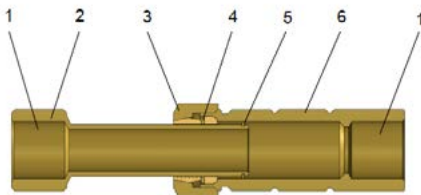
Heating water: max. +70°C/max.6 bar

Pipe outer- ϕ	ART.-NR.
26,9 [3/4"]	05.503.01.02

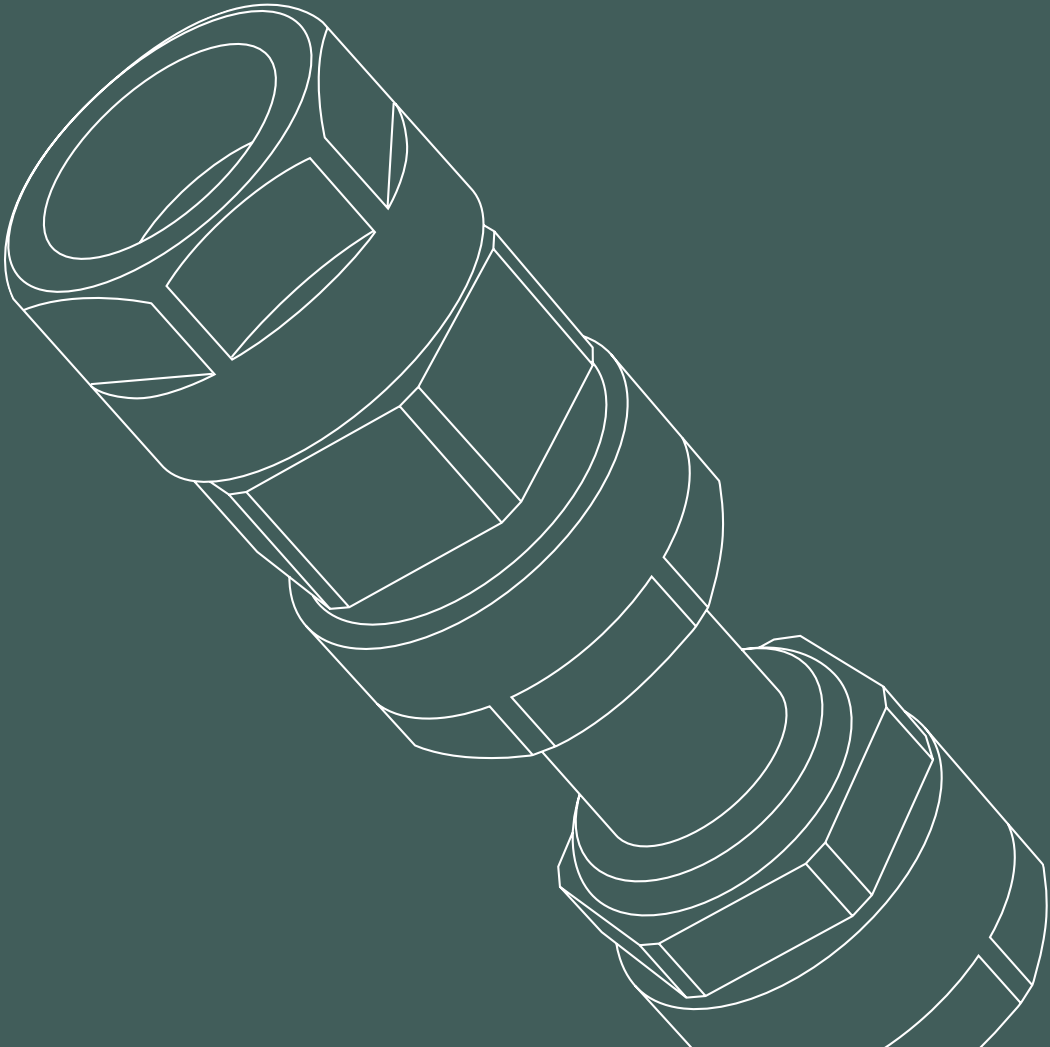


DIMENSIONS AND WEIGHTS

PIPE OUTER- ϕ [MM]	A - FEMALE JOINTING THREADS	B [MM]	L [MM] MIN. - MAX.	SW [MM]	TIGHTENING TORQUE MIDDLE NUT IN Nm	PC NET [KG]
26,9 [3/4"]	Rp 3/4"	40	min. 140 max. 185	32 / 36 / 32	75	0,655



- 1 Jointing thread
- 2 Sliding sleeve
- 3 Middle nut
- 4 Clamping and sealing set
- 5 Pull-out lock
- 6 Body



multi**gebo**

**BRASS COMPRESSION FITTING
FOR MULTILAYER PIPES
FROM VARIOUS MANUFACTURERS**



we make it easier.



ALL-IN-ONE REPAIR SOLUTIONS FOR MULTILAYER COMPOSITE PIPES FROM VARIOUS MANUFACTURERS.

Maximum flexibility with a modular construction system.



INNOVATION

- **Multigebo is available with length adjustment for repairs** in installed pipelines or for simple connection of two different Multilayer pipes. It is also available with male thread according to DIN 10226-1 (ISO 7/1) for transition, extension and reduction of Multilayer pipes.
- **The modular construction system provides flexibility of use** (one body for each outer diameter of the pipe, different support sleeves for different inner diameters)

APPLICATION

- **Repair of drinking water pipes** (cold and hot)
- **Repair of waterbearing heating systems**
- **Installation in walls and floors** (observe installation guidelines; apply corrosion protection and ensure expansion and reduction of compensation).
- **Operating temperatures and pressure:** Drinking water cold max. 20°C/max. 10 bar; Drinking water warm max. 70°C/max. 6 bar; Heating water max. 70°C/max. 6 bar
- Short-term stressable up to max. 95°C

BENEFITS

- **INNOVATIVE Solution for repairing multilayer pipes** from various manufacturers
- **Very easy installation with basic tools:** standard wrenches
- **Saving time and labour costs**
- **Brass material and EPDM sealing conform with the hygienic requirements for drinking water** (brass material conform with the 4MSI composition list for metallic materials used for products in contact with drinking water).

Tested and approved for long-term use: temperature cycles test; the test was carried out by a German accredited testing laboratory. EPDM seal with a DVGW certificate for drinking water.

Other areas of application

The above-mentioned Multigebo compression fittings in 16 mm and 20 mm are also suitable for PE-Xc and PE-RT pipes according to DIN EN ISO 21003 type P as well as PE-X pipes according to DIN EN ISO 15875.

REPAIR KIT: COMPRESSION FITTINGS WITH ADJUSTABLE LENGTH for multilayer pipes
according to DIN 16836 and DIN EN ISO 21003 (type M)



Series 320

multigebo 14 x 14 mm

Code	Content	Quantity
14.320.02.14KIT		
	multigebo 14 x 14 mm fitting with adjustable length	1
	Support sleeve 10.0 mm	2
	Grip ring 14.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 16 x 16 mm

Code	Content	Quantity
14.320.02.16KIT		
	multigebo 16 x 16 mm fitting with adjustable length	1
	Support sleeve 11.5-11.6 mm	2
	Support sleeve 12.0 mm	2
	Grip ring 16.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 17 x 17 mm

Code	Content	Quantity
14.320.02.17KIT		
	multigebo 17mm x 17 mm fitting with adjustable length	1
	Support sleeve 13.0 mm	2
	Grip ring 17.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 20 x 20 mm

Code	Content	Quantity
14.320.02.20KIT		
	multigebo 20 x 20 mm fitting with adjustable length	1
	Support sleeve 14.4 mm	2
	Support sleeve 15.0 mm	2
	Support sleeve 15.5 mm	2
	Support sleeve 16.0 mm	2
	Grip ring 20.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 25/26 x 25/26 mm

Code	Content	Quantity
14.320.02.25KIT		
	multigebo 25/26 mm x 25/26 mm fitting with adjustable length	1
	Support sleeve 19.6 mm	2
	Support sleeve 20.0 mm	2
	Grip ring 25.0 mm	2
	Grip ring 26.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 32 x 32 mm

Code	Content	Quantity
14.320.02.32KIT		
	multigebo 32 mm x 32 mm fitting with adjustable length	1
	Support sleeve 25.6 mm	2
	Support sleeve 26.0 mm	2
	Grip ring 32 mm	2
	Gauge for inner diameter of pipe	1



REPAIR KIT COMPRESSION FITTINGS WITH MALE THREAD

(ISO 7/1) for multilayer pipes according to DIN 16836 and DIN EN ISO 21003 (type M)



Series 320

multigebo 14 MM X 1/2"

Code	Content	Quantity
14.320.00.14KIT		
	multigebo 14 mm x 1/2" with male thread	1
	Support sleeve 10.0 mm	1
	Grip ring 14.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 16 MM X 1/2"

Code	Content	Quantity
14.320.00.16KIT		
	multigebo 16 mm x 1/2" with male thread	1
	Support sleeve 11.5 - 11.6 mm	1
	Support sleeve 12.0 mm	1
	Grip ring 16.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 17 MM X 1/2"

Code	Content	Quantity
14.320.00.17KIT		
	multigebo 17mm x 1/2" with male thread	1
	Support sleeve 13.0 mm	1
	Grip ring 17.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 20 MM X 3/4"

Code	Content	Quantity
14.320.00.20KIT		
	multigebo 20 mm x 3/4" with male thread	1
	Support sleeve 14.4 mm	1
	Support sleeve 15.0 mm	1
	Support sleeve 15.5 mm	1
	Support sleeve 16.0 mm	1
	Grip ring 20.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 25/26 MM X 1"

Code	Content	Quantity
14.320.00.25KIT		
	multigebo 25/26 mm x 1" with male thread	1
	Support sleeve 19.6 mm	1
	Support sleeve 20.0 mm	1
	Grip ring 25.0 mm	1
	Grip ring 26.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 32 MM X 1 1/4"

Code	Content	Quantity
14.320.00.32KIT		
	multigebo 32 mm x 1 1/4" with male thread	1
	Support sleeve 25.6 mm	1
	Support sleeve 26.0 mm	1
	Grip ring 32.0 mm	1
	Gauge for inner diameter of pipe	1

THE FOLLOWING PRODUCTS ARE INCLUDED IN THE KITS



MULTIGEBO REPAIR CASE

for multi-layer pipes from various manufacturers for sizes: 16 mm and 20 mm.
Multilayer pipes according to DIN 16836 and DIN EN ISO 21003 (type M)



MULTIGEBO REPAIR CASE

Code	Content	Quantity
14.320.35.1620	Multigebo repair case	1
Code	Each item also available separately	
14.320.02.20	multigebo 20 x 20 mm fitting with adjustable length*	1
14.320.00.20	multigebo 20 mm x 3/4" fitting with male thread **	2
14.320.34.144	Support sleeve for inner diameter 14.4 mm	4
14.320.34.150	Support sleeve for inner diameter 15.0 mm	4
14.320.34.155	Support sleeve for inner diameter 15.5 mm	4
14.320.34.160	Support sleeve for inner diameter 16.0 mm	4
14.320.27.20	Gauge for inner diameter of Multilayer pipes with an outside diameter 20 mm	1
240-22BH	Brass reducing socket 1/2" x 3/4"	2
14.320.02.16	multigebo 16 x 16 mm fitting with adjustable length*	1
14.320.00.16	multigebo 16 mm x 1/2" fitting with male thread **	2
14.320.34.115	Support sleeve for inner diameter 11.5-11.6 mm	4
14.320.34.120	Support sleeve for inner diameter 12.0 mm	4
14.320.27.16	Gauge for inner diameter of Multilayer pipes with an outside diameter 16 mm	1

* with two nuts and two grip rings

** with one nut and one grip ring

better. easier. faster.

HOW DOES IT WORK?

Following an installation example, please refer to the installation instructions that are supplied with the product.

Example for Multigebo with length adjustment.



1

Measure the outer diameter of the pipe. Cut out the damaged pipe section vertically to the pipe. Deburr the pipe ends on the inside and outside of the pipe. In case of ovalities appropriate measures for back rounding have to be carried out.



2

Measure the inner diameter of the pipe with the gauge. Push the suitable support sleeves into both pipe ends up to the end. Place both nuts on the pipe ends.



3

Put the grip rings on the pipe ends up to the end (audible click).



4

Push the body with adjustable length apart in the direction of the pipe ends until the screw ends audibly snap into place on the grip rings.



5

Screw on union nuts and tighten them until the grip rings protrude from the union nuts at a maximum of 1–2 mm. Twisting of the multilayer composite pipe must be avoided!

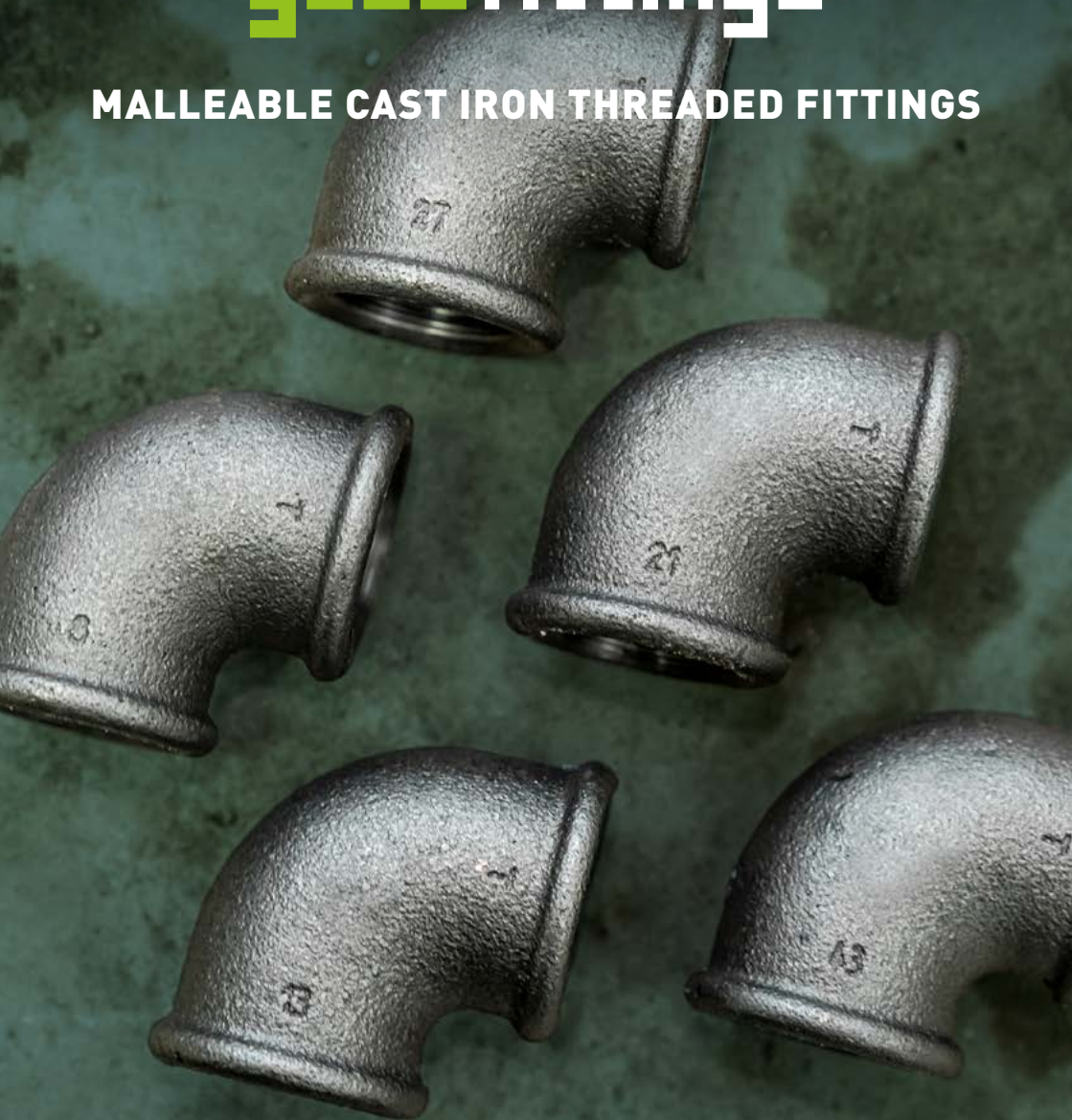


6

Finally fasten the middle nut (marked with a groove) on the body with adjustable length.

gebofittings

MALLEABLE CAST IRON THREADED FITTINGS



REGULAR LINE

PRODUCT STANDARDS AND APPLICATIONS:

GEBO Threaded Malleable Cast Iron Fittings are in compliance with Standard DIN EN 10242, design symbol A, corresponding to the materials and thread combination.

GEBO Threaded Malleable Cast Iron Fittings are in accordance with the requirements of above Standard, suitable for compressed air, water, flammable gases, hydrocarbons and other media under the mentioned pressure and temperature limits.

Application:

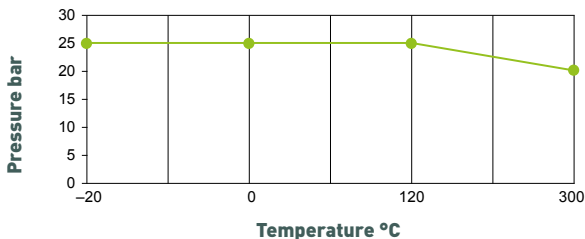
Permitted working pressure at temperatures of media between minus 20 and plus 120°C: max. 25 bar

Permitted working pressure at temperatures of media between 120 and 300 °C: interpolated values 20-25 bar

Permitted working pressure at temperatures of media 300°C: max. 20 bar

TECHNICAL DATA:

Pressure to temperature ratio



MATERIAL COMPOSITION:

The GEBO threaded fittings comply with the design symbol A and are manufactured in accordance with DIN EN 10242 from a malleable cast iron material (EN-GJMB-350-10) that complies with the standard.

Material tests on 12 mm specimens have the following mechanical properties:

- Tensile strength (minimum value): 350 N/mm² (35 kg/mm²)
- Yield strength 0.2% (minimum value): 200 N/mm² (20 kg/mm²)
- Elongation (minimum value): 10%
- Brinell hardness: max. 150 HB

In order to ensure that there are no defects in material that could result in leakage, **each GEBO Fitting is leak tightness tested in accordance with requirements of DIN EN 10242.**

GEBO threaded fittings are hot-dip galvanized by zinc plating, under Standard DIN EN 10242.

REGULAR LINE

ZINC COATING:

The zinc coating is over 500 gr/m², that means minimal average thickness of 70 micron.

This thickness of the zinc coating and the good adherence to the base surface assure a perfect and long-lasting anti-corrosive protection.

CLEANING AND LUBRIFICATION:

All Gebo Fittings are cleaned off from all mechanical production residues and provided with a corrosion protection.

THREAD CONNECTION:

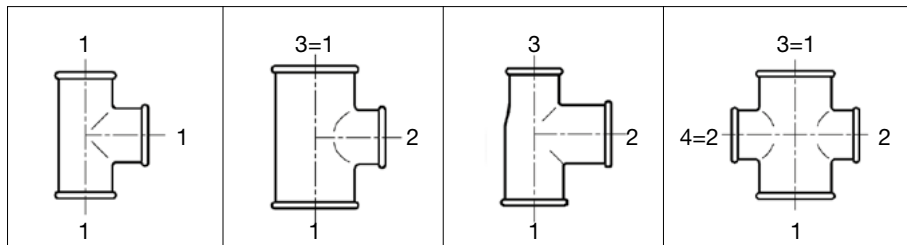
Jointing threads: GEBO threaded fittings with design symbol A are produced with taper external thread (R) and parallel internal thread (Rp) in accordance with Standard ISO 7/1 (DIN EN 10226-1).

Fastening threads: GEBO threaded fittings with design symbol A are produced with parallel external and internal threads (G) in accordance with Standard DIN EN ISO 228/1.

DN	6	8	10	15	20	25	32	40	50	65	80	100
INCH	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4

THREAD ALIGNMENT:

The mechanization process of GEBO fittings prevents the alignment of threads from any variations over 0.5° (30'), as indicated in the Standard.



REGULAR LINE



1 LONG SWEEP BEND 90° M/F		ISO G4
Sizes	Code galvanized	Code black
1/4"	1-2G	1-2S
3/8"	1-3G	1-3S
1/2"	1-4G	1-4S
3/4"	1-5G	1-5S
1"	1-6G	1-6S
1 1/4"	1-7G	1-7S
1 1/2"	1-8G	1-8S
2"	1-9G	1-9S
2 1/2"	1-10G	1-10S
3"	1-11G	1-11S
4"	1-12G	1-12S



1A SHORT BEND 90° M/F		ISO D4
Sizes	Code galvanized	Code black
3/8"	1A-3G	1A-3S
1/2"	1A-4G	1A-4S
3/4"	1A-5G	1A-5S
1"	1A-6G	1A-6S
1 1/4"	1A-7G	1A-7S
1 1/2"	1A-8G	1A-8S
2"	1A-9G	1A-9S
2 1/2"	1A-10G	1A-10S



2 LONG SWEEP BEND 90° F/F		ISO G1
Sizes	Code galvanized	Code black
1/4"	2-2G	2-2S
3/8"	2-3G	2-3S
1/2"	2-4G	2-4S
3/4"	2-5G	2-5S
1"	2-6G	2-6S
1 1/4"	2-7G	2-7S
1 1/2"	2-8G	2-8S
2"	2-9G	2-9S
2 1/2"	2-10G	2-10S
3"	2-11G	2-11S
4"	2-12G	2-12S



2A SHORT BEND 90° F/F		ISO D1
Sizes	Code galvanized	Code black
1/2"	2A-4G	2A-4S
3/4"	2A-5G	2A-5S
1"	2A-6G	2A-6S
1 1/4"	2A-7G	2A-7S
1 1/2"	2A-8G	2A-8S
2"	2A-9G	2A-9S

REGULAR LINE

3 LONG SWEEP BEND 90° M/M ISO G8

Sizes	Code galvanized	Code black
1/4"	3-2G	3-2S
3/8"	3-3G	3-3S
1/2"	3-4G	3-4S
3/4"	3-5G	3-5S
1"	3-6G	3-6S
1 1/4"	3-7G	3-7S
1 1/2"	3-8G	3-8S
2"	3-9G	3-9S
2 1/2"	3-10G	3-10S
3"	3-11G	3-11S
4"	3-12G	3-12S



40 LONG SWEEP BEND 45° M/F ISO G4/45°

Sizes	Code galvanized	Code black
1/4"	40-2G	40-2S
3/8"	40-3G	40-3S
1/2"	40-4G	40-4S
3/4"	40-5G	40-5S
1"	40-6G	40-6S
1 1/4"	40-7G	40-7S
1 1/2"	40-8G	40-8S
2"	40-9G	40-9S
2 1/2"	40-10G	40-10S
3"	40-11G	40-11S
4"	40-12G	40-12S
6"	40-14G	



41 LONG SWEEP BEND 45° F/F ISO G1/45°

Sizes	Code galvanized	Code black
3/8"	41-3G	41-3S
1/2"	41-4G	41-4S
3/4"	41-5G	41-5S
1"	41-6G	41-6S
1 1/4"	41-7G	41-7S
1 1/2"	41-8G	41-8S
2"	41-9G	41-9S
2 1/2"	41-10G	41-10S
3"	41-11G	41-11S
4"	41-12G	41-12S



60 RETURN BEND F/F

Sizes	Code galvanized	Code black
3/4"	60-5G	60-5S
1"	60-6G	60-6S
1 1/2"	60-8G	60-8S
2"	60-9G	60-9S



REGULAR LINE



85 CROSSOVER F/F

Sizes	Code galvanized	Code black
1/2"	85-4G	85-4S
3/4"	85-5G	85-5S
1"	85-6G	85-6S
1 1/4"	85-7G	85-7S
1 1/2"	85-8G	85-8S
2"	85-9G	85-9S



90 ELBOW 90° F/F, EQUAL

ISO A1

Sizes	Code galvanized	Code black
1/4"	90-2G	90-2S
3/8"	90-3G	90-3S
1/2"	90-4G	90-4S
3/4"	90-5G	90-5S
1"	90-6G	90-6S
1 1/4"	90-7G	90-7S
1 1/2"	90-8G	90-8S
2"	90-9G	90-9S
2 1/2"	90-10G	90-10S
3"	90-11G	90-11S
4"	90-12G	90-12S
5"	90-13G	90-13S
6"	90-14G	90-14S



90 ELBOW 90° F/F, REDUCING

ISO A1

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	90-16G	90-16S
1/2" x 1/4"	90-18G	90-18S
1/2" x 3/8"	90-19G	90-19S
3/4" x 3/8"	90-21G	90-21S
3/4" x 1/2"	90-22G	90-22S
1" x 1/2"	90-25G	90-25S
1" x 3/4"	90-26G	90-26S
1 1/4" x 1/2"	90-27G	90-27S
1 1/4" x 3/4"	90-28G	90-28S
1 1/4" x 1"	90-29G	90-29S
1 1/2" x 1/2"	90-30G	90-30S
1 1/2" x 3/4"	90-31G	90-31S
1 1/2" x 1"	90-32G	90-32S
1 1/2" x 1 1/4"	90-33G	90-33S
2" x 1/2"	90-34G	90-34S
2" x 3/4"	90-35G	90-35S
2" x 1"	90-36G	90-36S
2" x 1 1/4"	90-37G	90-37S
2" x 1 1/2"	90-38G	90-38S
2 1/2" x 1"	90-41G	90-41S
2 1/2" x 1 1/2"	90-43G	90-43S
2 1/2" x 2"	90-44G	90-44S
3" x 1 1/2"	90-49G	90-49S
3" x 2"	90-50G	90-50S
3" x 2 1/2"	90-51G	90-51S
4" x 2 1/2"	90-52G	90-52S
4" x 3"	90-53G	90-53S

2

REGULAR LINE

92 ELBOW 90° M/F, EQUAL AND REDUCING ISO A4

Sizes [1x2]	Code galvanized	Code black
1/4"	92-2G	92-2S
3/8"	92-3G	92-3S
1/2"	92-4G	92-4S
3/4"	92-5G	92-5S
1"	92-6G	92-6S
1 1/4"	92-7G	92-7S
1 1/2"	92-8G	92-8S
2"	92-9G	92-9S
2 1/2"	92-10G	92-10S
3"	92-11G	92-11S
4"	92-12G	92-12S
1/2" x 3/8"	92-19G	92-19S
3/4" x 3/8"	92-21G	92-21S
3/4" x 1/2"	92-22G	92-22S
1" x 3/4"	92-26G	92-26S
1 1/4" x 1"	92-29G	92-29S
1 1/2" x 1"	92-32G	92-32S
1 1/2" x 1 1/4"	92-33G	92-33S



1

2

94 ELBOW 90° M/M

Sizes	Code galvanized	Code black
3/8"	94-3G	94-3S
1/2"	94-4G	94-4S
3/4"	94-5G	94-5S
1"	94-6G	94-6S
1 1/4"	94-7G	94-7S
1 1/2"	94-8G	94-8S
2"	94-9G	94-9S



95 UNION ELBOW 90°, FLAT SEAT, F/F ISO UA1

Sizes	Code galvanized	Code black
3/8"	95-3G	95-3S
1/2"	95-4G	95-4S
3/4"	95-5G	95-5S
1"	95-6G	95-6S
1 1/4"	95-7G	95-7S
1 1/2"	95-8G	95-8S
2"	95-9G	95-9S



96 UNION ELBOW 90°, TAPER SEAT, F/F ISO UA11

Sizes	Code galvanized	Code black
3/8"	96-3G	96-3S
1/2"	96-4G	96-4S
3/4"	96-5G	96-5S
1"	96-6G	96-6S
1 1/4"	96-7G	96-7S
1 1/2"	96-8G	96-8S
2"	96-9G	96-9S
2 1/2"	96-10G	96-10S
3"	96-11G	96-11S



REGULAR LINE



97 UNION ELBOW 90°, FLAT SEAT, M/F ISO UA2

Sizes	Code galvanized	Code black
3/8"	97-3G	97-3S
1/2"	97-4G	97-4S
3/4"	97-5G	97-5S
1"	97-6G	97-6S
1 1/4"	97-7G	97-7S
1 1/2"	97-8G	97-8S
2"	97-9G	97-9S



98 UNION ELBOW 90°, TAPER SEAT, M/F ISO UA12

Sizes	Code galvanized	Code black
3/8"	98-3G	98-3S
1/2"	98-4G	98-4S
3/4"	98-5G	98-5S
1"	98-6G	98-6S
1 1/4"	98-7G	98-7S
1 1/2"	98-8G	98-8S
2"	98-9G	98-9S
2 1/2"	98-10G	98-10S
3"	98-11G	98-11S



120 ELBOW 45° F/F ISO A1/45°

Sizes	Code galvanized	Code black
1/4"	120-2G	120-2S
3/8"	120-3G	120-3S
1/2"	120-4G	120-4S
3/4"	120-5G	120-5S
1"	120-6G	120-6S
1 1/4"	120-7G	120-7S
1 1/2"	120-8G	120-8S
2"	120-9G	120-9S
2 1/2"	120-10G	120-10S
3"	120-11G	120-11S
4"	120-12G	120-12S



121 ELBOW 45° M/F ISO A4/45°

Sizes	Code galvanized	Code black
3/8"	121-3G	121-3S
1/2"	121-4G	121-4S
3/4"	121-5G	121-5S
1"	121-6G	121-6S
1 1/4"	121-7G	121-7S
1 1/2"	121-8G	121-8S
2"	121-9G	121-9S
2 1/2"	121-10G	121-10S
3"	121-11G	121-11S

REGULAR LINE

130 TEE 90°, F/F/F, EQUAL ISO B1

Sizes	Code galvanized	Code black
1/4"	130-2G	130-2S
3/8"	130-3G	130-3S
1/2"	130-4G	130-4S
3/4"	130-5G	130-5S
1"	130-6G	130-6S
1 1/4"	130-7G	130-7S
1 1/2"	130-8G	130-8S
2"	130-9G	130-9S
2 1/2"	130-10G	130-10S
3"	130-11G	130-11S
4"	130-12G	130-12S
5"	130-13G	130-13S
6"	130-14G	130-14S



130 TEE 90° F/F/F, REDUCING ISO B1

Sizes [1x2x3]	Code galvanized	Code black
3/8" x 1/4" x 3/8"	130-15G	130-15S
3/8" x 1/2" x 3/8"	130-115G	130-115S
1/2" x 1/4" x 1/2"	130-17G	130-17S
1/2" x 3/8" x 3/8"	130-71G	130-71S
1/2" x 3/8" x 1/2"	130-19G	130-19S
1/2" x 1/2" x 3/8"	130-72G	130-72S
1/2" x 3/4" x 1/2"	130-20G	130-20S
1/2" x 1" x 1/2"	130-16G	130-16S
3/4" x 1/4" x 3/4"	130-116G	130-116S
3/4" x 3/8" x 3/4"	130-21G	130-21S
3/4" x 1/2" x 1/2"	130-61G	130-61S
3/4" x 1/2" x 3/4"	130-22G	130-22S
3/4" x 3/4" x 3/8"	130-64G	130-64S
3/4" x 3/4" x 1/2"	130-62G	130-62S
3/4" x 1" x 1/2"	130-66G	130-66S
3/4" x 1" x 3/4"	130-70G	130-70S
1" x 3/8" x 1"	130-18G	130-18S
1" x 1/2" x 1/2"	130-67G	130-67S
1" x 1/2" x 3/4"	130-68G	130-68S
1" x 1/2" x 1"	130-25G	130-25S
1" x 3/4" x 1/2"	130-69G	130-69S
1" x 3/4" x 3/4"	130-73G	130-73S
1" x 3/4" x 1"	130-26G	130-26S
1" x 1" x 3/8"	130-74G	130-74S
1" x 1" x 1/2"	130-75G	130-75S
1" x 1" x 3/4"	130-65G	130-65S
1" x 1 1/4" x 1"	130-23G	130-23S
1" x 1 1/2" x 1"	130-117G	130-117S
1 1/4" x 3/8" x 1 1/4"	130-24G	130-24S
1 1/4" x 1/2" x 1"	130-77G	130-77S
1 1/4" x 1/2" x 1 1/4"	130-27G	130-27S
1 1/4" x 3/4" x 3/4"	130-78G	130-78S
1 1/4" x 3/4" x 1"	130-79G	130-79S
1 1/4" x 3/4" x 1 1/4"	130-28G	130-28S
1 1/4" x 1" x 3/4"	130-80G	130-80S
1 1/4" x 1" x 1"	130-81G	130-81S
1 1/4" x 1" x 1 1/4"	130-29G	130-29S
1 1/4" x 1 1/4" x 1/2"	130-82G	130-82S
1 1/4" x 1 1/4" x 3/4"	130-83G	130-83S
1 1/4" x 1 1/4" x 1"	130-84G	130-84S
1 1/4" x 1 1/2" x 1 1/4"	130-40G	130-40S
1 1/4" x 2" x 1 1/4"	130-41G	130-41S
1 1/2" x 1/2" x 1 1/4"	130-86G	130-86S
1 1/2" x 1/2" x 1 1/2"	130-30G	130-30S
1 1/2" x 3/4" x 1 1/4"	130-87G	130-87S
1 1/2" x 3/4" x 1 1/2"	130-31G	130-31S



REGULAR LINE



130 TEE 90° F/F/F, REDUCING ISO B1

Sizes [1x2x3]	Code galvanized	Code black
1 1/2" x 1" x 1"	130-88G	130-88S
1 1/2" x 1" x 1 1/4"	130-89G	130-89S
1 1/2" x 1" x 1 1/2"	130-32G	130-32S
1 1/2" x 1 1/4" x 1"	130-90G	130-90S
1 1/2" x 1 1/4" x 1 1/4"	130-91G	130-91S
1 1/2" x 1 1/4" x 1 1/2"	130-33G	130-33S
1 1/2" x 1 1/2" x 1 1/2"	130-92G	130-92S
1 1/2" x 1 1/2" x 3/4"	130-93G	130-93S
1 1/2" x 1 1/2" x 1"	130-94G	130-94S
1 1/2" x 1 1/2" x 1 1/4"	130-95G	130-95S
1 1/2" x 2" x 1 1/4"	130-96G	130-96S
1 1/2" x 2" x 1 1/2"	130-39G	130-39S
2" x 1/2" x 1 1/2"	130-97G	130-97S
2" x 1/2" x 2"	130-34G	130-34S
2" x 3/4" x 1 1/2"	130-98G	130-98S
2" x 3/4" x 2"	130-35G	130-35S
2" x 1" x 1 1/2"	130-99G	130-99S
2" x 1" x 2"	130-36G	130-36S
2" x 1 1/4" x 1 1/4"	130-100G	130-100S
2" x 1 1/4" x 1 1/2"	130-101G	130-101S
2" x 1 1/4" x 2"	130-37G	130-37S
2" x 1 1/2" x 1 1/2"	130-102G	130-102S
2" x 1 1/2" x 2"	130-38G	130-38S
2" x 2" x 1/2"	130-103G	130-103S
2" x 2" x 3/4"	130-104G	130-104S
2" x 2" x 1"	130-105G	130-105S
2" x 2" x 1 1/2"	130-107G	130-107S
2 1/2" x 1/2" x 2 1/2"	130-44G	130-44S
2 1/2" x 3/4" x 2 1/2"	130-45G	130-45S
2 1/2" x 1" x 2 1/2"	130-42G	130-42S
2 1/2" x 1 1/4" x 2 1/2"	130-46G	130-46S
2 1/2" x 1 1/2" x 2 1/2"	130-47G	130-47S
2 1/2" x 2" x 2"	130-108G	130-108S
2 1/2" x 2" x 2 1/2"	130-48G	130-48S
3" x 1" x 3"	130-51G	130-51S
3" x 1 1/4" x 3"	130-52G	130-52S
3" x 1 1/2" x 3"	130-53G	130-53S
3" x 2" x 3"	130-50G	130-50S
3" x 2 1/2" x 3"	130-54G	130-54S
4" x 1 1/4" x 4"	130-118G	130-118S
4" x 1 1/2" x 4"	130-119G	130-119S
4" x 2" x 4"	130-57G	130-57S
4" x 2 1/2" x 4"	130-58G	130-58S
4" x 3" x 4"	130-59G	130-59S

131 PITCHER TEE, EQUAL, F/F/F ISO E1

Sizes	Code galvanized	Code black
1/2"	131-4G	131-4S
3/4"	131-5G	131-5S
1"	131-6G	131-6S
1 1/4"	131-7G	131-7S
1 1/2"	131-8G	131-8S
2"	131-9G	131-9S

132 TWIN ELBOW, EQUAL, F/F/F ISO E2

Sizes	Code galvanized	Code black
1/2"	132-4G	132-4S
3/4"	132-5G	132-5S
1"	132-6G	132-6S
1 1/4"	132-7G	132-7S
1 1/2"	132-8G	132-8S
2"	132-9G	132-9S



REGULAR LINE

133 TEE EQUAL F/M/F

Sizes	Code galvanized	Code black
3/8"	133-3G	133-3S
1/2"	133-4G	133-4S
3/4"	133-5G	133-5S
1"	133-6G	133-6S



134 TEE EQUAL M/F/F

Sizes	Code galvanized	Code black
1/2"	134-4G	134-4S
3/4"	134-5G	134-5S
1"	134-6G	134-6S
1 1/4"	134-7G	134-7S
1 1/2"	134-8G	134-8S
2"	134-9G	134-9S



135 TEE EQUAL M/M/M

Sizes	Code galvanized	Code black
1/2"	135-4G	135-4S
3/4"	135-5G	135-5S
1"	135-6G	135-6S



165 TEE LATERAL Y BRANCH 45° F/F/F

Sizes	Code galvanized	Code black
1/2"	165-4G	165-4S
3/4"	165-5G	165-5S
1"	165-6G	165-6S
1 1/4"	165-7G	165-7S
1 1/2"	165-8G	165-8S
2"	165-9G	165-9S



180 CROSS EQUAL F/F/F/F

ISO C1

Sizes	Code galvanized	Code black
1/4"	180-2G	180-2S
3/8"	180-3G	180-3S
1/2"	180-4G	180-4S
3/4"	180-5G	180-5S
1"	180-6G	180-6S
1 1/4"	180-7G	180-7S
1 1/2"	180-8G	180-8S
2"	180-9G	180-9S
2 1/2"	180-10G	180-10S
3"	180-11G	180-11S
4"	180-12G	180-12S



180 CROSS REDUCING F/F/F/F

ISO C1

Sizes [1x2]	Code galvanized	Code black
3/4" x 1/2"	180-22G	180-22S
1" x 1/2"	180-25G	180-25S



1

2

REGULAR LINE



2



1

220 Y-PIECE F/F/F

Sizes	Code galvanized	Code black
3/8"	220-3G	220-3S
1/2"	220-4G	220-4S
3/4"	220-5G	220-5S
1"	220-6G	220-6S

221 SIDE OUTLET ELBOW F/F/F ISO Za1

Sizes	Code galvanized	Code black
1/2"	221-4G	221-4S
3/4"	221-5G	221-5S
1"	221-6G	221-6S
1 1/4"	221-7G	221-7S
1 1/2"	221-8G	221-8S
2"	221-9G	221-9S

223 SIDE OUTLET TEE F/F/F/F ISO Za2

Sizes	Code galvanized	Code black
1/2"	223-4G	223-4S
3/4"	223-5G	223-5S
1"	223-6G	223-6S
1 1/4"	223-7G	223-7S

240 REDUCING SOCKET F/F ISO M2

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	240-16G	240-16S
1/2" x 1/4"	240-18G	240-18S
1/2" x 3/8"	240-19G	240-19S
3/4" x 3/8"	240-21G	240-21S
3/4" x 1/2"	240-22G	240-22S
1" x 3/8"	240-24G	240-24S
1" x 1/2"	240-25G	240-25S
1" x 3/4"	240-26G	240-26S
1 1/4" x 1/2"	240-27G	240-27S
1 1/4" x 3/4"	240-28G	240-28S
1 1/4" x 1"	240-29G	240-29S
1 1/2" x 1/2"	240-30G	240-30S
1 1/2" x 3/4"	240-31G	240-31S
1 1/2" x 1"	240-32G	240-32S
1 1/2" x 1 1/4"	240-33G	240-33S
2" x 1/2"	240-34G	240-34S
2" x 3/4"	240-35G	240-35S
2" x 1"	240-36G	240-36S
2" x 1 1/4"	240-37G	240-37S
2" x 1 1/2"	240-38G	240-38S
2 1/2" x 1/2"	240-39G	240-39S
2 1/2" x 3/4"	240-40G	240-40S
2 1/2" x 1"	240-41G	240-41S
2 1/2" x 1 1/4"	240-42G	240-42S
2 1/2" x 1 1/2"	240-43G	240-43S
2 1/2" x 2"	240-44G	240-44S
3" x 1"	240-47G	240-47S
3" x 1 1/4"	240-48G	240-48S
3" x 1 1/2"	240-49G	240-49S
3" x 2"	240-50G	240-50S
3" x 2 1/2"	240-51G	240-51S
4" x 1 1/2"	240-56G	240-56S
4" x 2"	240-57G	240-57S
4" x 2 1/2"	240-58G	240-58S
4" x 3"	240-59G	240-59S

REGULAR LINE

241 REDUCING BUSH, M/F ISO N4

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	241-16G	241-16S
1/2" x 1/4"	241-18G	241-18S
1/2" x 3/8"	241-19G	241-19S
3/4" x 1/4"	241-20G	241-20S
3/4" x 3/8"	241-21G	241-21S
3/4" x 1/2"	241-22G	241-22S
1" x 3/8"	241-24G	241-24S
1" x 1/2"	241-25G	241-25S
1" x 3/4"	241-26G	241-26S
1 1/4" x 1/2"	241-27G	241-27S
1 1/4" x 3/4"	241-28G	241-28S
1 1/4" x 1"	241-29G	241-29S
1 1/2" x 1/2"	241-30G	241-30S
1 1/2" x 3/4"	241-31G	241-31S
1 1/2" x 1"	241-32G	241-32S
1 1/2" x 1 1/4"	241-33G	241-33S
2" x 1/2"	241-34G	241-34S
2" x 3/4"	241-35G	241-35S
2" x 1"	241-36G	241-36S
2" x 1 1/4"	241-37G	241-37S
2" x 1 1/2"	241-38G	241-38S
2 1/2" x 1/2"	241-39G	241-39S
2 1/2" x 3/4"	241-40G	241-40S
2 1/2" x 1"	241-41G	241-41S
2 1/2" x 1 1/4"	241-42G	241-42S
2 1/2" x 1 1/2"	241-43G	241-43S
2 1/2" x 2"	241-44G	241-44S
3" x 3/4"	241-46G	241-46S
3" x 1"	241-47G	241-47S
3" x 1 1/4"	241-48G	241-48S
3" x 1 1/2"	241-49G	241-49S
3" x 2"	241-50G	241-50S
3" x 2 1/2"	241-51G	241-51S
4" x 1"	241-54G	241-54S
4" x 1 1/4"	241-55G	241-55S
4" x 1 1/2"	241-56G	241-56S
4" x 2"	241-57G	241-57S
4" x 2 1/2"	241-58G	241-58S
4" x 3"	241-59G	241-59S
5" x 4"	241-60G	241-60S
6" x 3"	241-61G	241-61S
6" x 4"	241-62G	241-62S
6" x 5"	241-63G	241-63S



245 HEXAGON NIPPLE REDUCING, M/M ISO N8

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	245-16G	245-16S
1/2" x 1/4"	245-18G	245-18S
1/2" x 3/8"	245-19G	245-19S
3/4" x 3/8"	245-21G	245-21S
3/4" x 1/2"	245-22G	245-22S
1" x 1/2"	245-25G	245-25S
1" x 3/4"	245-26G	245-26S
1 1/4" x 1/2"	245-27G	245-27S
1 1/4" x 3/4"	245-28G	245-28S
1 1/4" x 1"	245-29G	245-29S
1 1/2" x 1/2"	245-30G	245-30S
1 1/2" x 3/4"	245-31G	245-31S
1 1/2" x 1"	245-32G	245-32S
1 1/2" x 1 1/4"	245-33G	245-33S
2" x 1/2"	245-34G	245-34S
2" x 3/4"	245-35G	245-35S



REGULAR LINE



245 HEXAGON NIPPLE REDUCING, M/M		ISO N8
Sizes [1x2]	Code galvanized	Code black
2" x 1"	245-36G	245-36S
2" x 1 1/4"	245-37G	245-37S
2" x 1 1/2"	245-38G	245-38S
2 1/2" x 1"	245-41G	245-41S
2 1/2" x 1 1/4"	245-42G	245-42S
2 1/2" x 1 1/2"	245-43G	245-43S
2 1/2" x 2"	245-44G	245-44S
3" x 1 1/2"	245-49G	245-49S
3" x 2"	245-50G	245-50S
3" x 2 1/2"	245-51G	245-51S
4" x 2"	245-57G	245-57S
4" x 2 1/2"	245-58G	245-58S
4" x 3"	245-59G	245-59S



246 REDUCING SOCKETS F/M		ISO M4
Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	246-16G	246-16S
1/2" x 1/4"	246-18G	246-18S
1/2" x 3/8"	246-19G	246-19S
3/4" x 3/8"	246-21G	246-21S
3/4" x 1/2"	246-22G	246-22S
1" x 1/2"	246-25G	246-25S
1" x 3/4"	246-26G	246-26S
1 1/4" x 1/2"	246-27G	246-27S
1 1/4" x 3/4"	246-28G	246-28S
1 1/4" x 1"	246-29G	246-29S
1 1/2" x 3/4"	246-31G	246-31S
1 1/2" x 1"	246-32G	246-32S
1 1/2" x 1 1/4"	246-33G	246-33S
2" x 1/2"	246-34G	246-34S
2" x 3/4"	246-35G	246-35S
2" x 1"	246-36G	246-36S
2" x 1 1/4"	246-37G	246-37S
2" x 1 1/2"	246-38G	246-38S
2 1/2" x 2"	246-44G	246-44S
3" x 2"	246-50G	246-50S
3" x 2 1/2"	246-51G	246-51S



270 SOCKETS EQUAL, F/F		ISO M2
Sizes	Code galvanized	Code black
1/4"	270-2G	270-2S
3/8"	270-3G	270-3S
1/2"	270-4G	270-4S
3/4"	270-5G	270-5S
1"	270-6G	270-6S
1 1/4"	270-7G	270-7S
1 1/2"	270-8G	270-8S
2"	270-9G	270-9S
2 1/2"	270-10G	270-10S
3"	270-11G	270-11S
4"	270-12G	270-12S



271 SOCKETS, F/F, RIGHT AND LEFT HAND THREAD		ISO M2 R-L
Sizes	Code galvanized	Code black
1/2"	271-4G	271-4S
3/4"	271-5G	271-5S
1"	271-6G	271-6S
1 1/4"	271-7G	271-7S
1 1/2"	271-8G	271-8S
2"	271-9G	271-9S

REGULAR LINE

280 HEXAGON NIPPLES, M/M ISO N8

Sizes	Code galvanized	Code black
1/4"	280-2G	280-2S
3/8"	280-3G	280-3S
1/2"	280-4G	280-4S
3/4"	280-5G	280-5S
1"	280-6G	280-6S
1 1/4"	280-7G	280-7S
1 1/2"	280-8G	280-8S
2"	280-9G	280-9S
2 1/2"	280-10G	280-10S
3"	280-11G	280-11S
4"	280-12G	280-12S
5"	280-13G	280-13S
6"	280-14G	280-14S



281 HEXAGON NIPPLES M/M, RIGHT AND LEFT HAND THREAD ISO N8 R-L

Sizes	Code galvanized	Code black
3/8"	281-3G	281-3S
1/2"	281-4G	281-4S
3/4"	281-5G	281-5S
1"	281-6G	281-6S
1 1/4"	281-7G	281-7S
1 1/2"	281-8G	281-8S
2"	281-9G	281-9S



290 PLUGS, BEADED ISO T9

Sizes	Code galvanized	Code black
1/4"	290-2G	290-2S
3/8"	290-3G	290-3S
1/2"	290-4G	290-4S
3/4"	290-5G	290-5S
1"	290-6G	290-6S
1 1/4"	290-7G	290-7S
1 1/2"	290-8G	290-8S
2"	290-9G	290-9S
2 1/2"	290-10G	290-10S
3"	290-11G	290-11S
4"	290-12G	290-12S



291 PLUGS, PLAIN ISO T8

Sizes	Code galvanized	Code black
1/4"	291-2G	291-3S
3/8"	291-3G	291-4S
1/2"	291-4G	291-4S
3/4"	291-5G	291-5S
1"	291-6G	291-6S
1 1/4"	291-7G	291-7S
1 1/2"	291-8G	291-8S
2"	291-9G	291-9S
2 1/2"	291-10G	291-10S
3"	291-11G	291-11S
4"	291-12G	291-12S



REGULAR LINE



300 MULTANGULAR CAP ISO T1**

Sizes	Code galvanized	Code black
1/4"	300-2G	300-2S
3/8"	300-3G	300-3S
1/2"	300-4G	300-4S
3/4"	300-5G	300-5S
1"	300-6G	300-6S
1 1/4"	300-7G	300-7S
1 1/2"	300-8G	300-8S
2"	300-9G	300-9S
2 1/2"	300-10G	300-10S
3"	300-11G	300-11S
4"	300-12G	300-12S

** Hexagonal cap from size 1/4" to 3/4"; octagonal cap from size 1" do 4"



301 ROUND CAP ISO T1

Sizes	Code galvanized	Code black
1/4"	301-2G	301-2S
3/8"	301-3G	301-3S
1/2"	301-4G	301-4S
3/4"	301-5G	301-5S
1"	301-6G	301-6S
1 1/4"	301-7G	301-7S
1 1/2"	301-8G	301-8S
2"	301-9G	301-9S
2 1/2"	301-10G	301-10S
3"	301-11G	301-11S
4"	301-12G	301-12S



310 BACKNUTS ISO P4

Sizes	Code galvanized	Code black
1/4"	310-2G	310-2S
3/8"	310-3G	310-3S
1/2"	310-4G	310-4S
3/4"	310-5G	310-5S
1"	310-6G	310-6S
1 1/4"	310-7G	310-7S
1 1/2"	310-8G	310-8S
2"	310-9G	310-9S
2 1/2"	310-10G	310-10S
3"	310-11G	310-11S
4"	310-12G	310-12S



321 FLANGE, WITHOUT BOLT HOLES

Sizes	Code galvanized	Code black
1/2"	321-4G	321-4S
3/4"	321-5G	321-5S
1"	321-6G	321-6S
1 1/4"	321-7G	321-7S
1 1/2"	321-8G	321-8S
2"	321-9G	321-9S

REGULAR LINE

329 FLANGES WITH 4 BOLT HOLES

Sizes	Code galvanized	Code black
1/2"	329-4G	329-4S
3/4"	329-5G	329-5S
1"	329-6G	329-6S
1 1/4"	329-7G	329-7S
1 1/2"	329-8G	329-8S
2"	329-9G	329-9S
2 1/2"	329-10G	329-10S
3"	329-11G	329-11S

Note: These flanged are not according to standards (no din). Not suitable for use in media-bearing pipelines.



330 UNIONS FLAT SEAT, F/F

ISO U1

Sizes	Code galvanized	Code black
3/8"	330-3G	330-3S
1/2"	330-4G	330-4S
3/4"	330-5G	330-5S
1"	330-6G	330-6S
1 1/4"	330-7G	330-7S
1 1/2"	330-8G	330-8S
2"	330-9G	330-9S
2 1/2"	330-10G	330-10S
3"	330-11G	330-11S
4"	330-12G	330-12S



331 UNIONS FLAT SEAT, M/F

ISO U2

Sizes	Code galvanized	Code black
3/8"	331-3G	331-3S
1/2"	331-4G	331-4S
3/4"	331-5G	331-5S
1"	331-6G	331-6S
1 1/4"	331-7G	331-7S
1 1/2"	331-8G	331-8S
2"	331-9G	331-9S
2 1/2"	331-10G	331-10S
3"	331-11G	331-11S
4"	331-12G	331-12S



340 UNIONS TAPER SEAT, F/F

ISO U11

Sizes	Code galvanized	Code black
3/8"	340-3G	340-3S
1/2"	340-4G	340-4S
3/4"	340-5G	340-5S
1"	340-6G	340-6S
1 1/4"	340-7G	340-7S
1 1/2"	340-8G	340-8S
2"	340-9G	340-9S
2 1/2"	340-10G	340-10S
3"	340-11G	340-11S
4"	340-12G	340-12S



REGULAR LINE



341 UNIONS TAPER SEAT, M/F ISO U12

Sizes	Code galvanized	Code black
3/8"	341-3G	341-3S
1/2"	341-4G	341-4S
3/4"	341-5G	341-5S
1"	341-6G	341-6S
1 1/4"	341-7G	341-7S
1 1/2"	341-8G	341-8S
2"	341-9G	341-9S
2 1/2"	341-10G	341-10S
3"	341-11G	341-11S
4"	341-12G	341-12S



351 UNION SET (INCLUDING NBR SEALING)*

Art. 372	Art. 374	Code galvanized	Code black
1"	G 1 1/2"		351-6S
1 1/4"	G 2"		351-7S

[2 pcs x code 372 + 2 pcs x code 374 + 2 gaskets]
 *not applicable for drinking water and gas
 Temperatures: plus 5°C until plus 80°C



370 UNION BUSHES FLAT SEAT

Sizes		Code galvanized	Code black
Rp	G		
3/4"	1 1/4"	370-5G	370-5S
1"	1 1/2"	370-6G	370-6S
1 1/4"	2"	370-7G	370-7S
1 1/2"	2 1/4"	370-8G	370-8S
2"	2 3/4"	370-9G	370-9S
2 1/2"	3 1/2"	370-10G	370-10S

Rp = Parallel internal thread
 G = Parallel external and internal threads



371 UNION END FLAT SEAT

Sizes		Code galvanized	Code black
R	D for G		
3/4"	1 1/4"	371-5G	371-5S
1"	1 1/2"	371-6G	371-6S
1 1/4"	2"	371-7G	371-7S
1 1/2"	2 1/4"	371-8G	371-8S
2"	2 3/4"	371-9G	371-9S
2 1/2"	3 1/2"	371-10G	371-10S

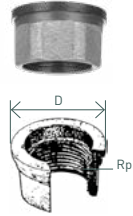
R = Taper external thread

REGULAR LINE

372 UNION END FLAT SEAT

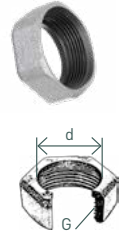
Sizes		Code galvanized	Code black
Rp	D for G		
3/8"	3/4"	372-3G	372-3S
1/2"	1"	372-4G	372-4S
3/4"	1 1/4"	372-5G	372-5S
1"	1 1/2"	372-6G	372-6S
1 1/4"	2"	372-7G	372-7S
1 1/2"	2 1/4"	372-8G	372-8S
2"	2 3/4"	372-9G	372-9S
2 1/2"	3 1/2"	372-10G	372-10S

Rp = Parallel internal thread



374 UNION NUT

d to R/Rp	G	Code galvanized	Code black
3/8"	7/8"	374-3G	374-3S
1/2"	1 1/8"	374-4G	374-3S
3/4"	1 1/4"	374-5G	374-3S
1"	1 1/2"	374-6G	374-3S
1 1/4"	2"	374-7G	374-3S
1 1/2"	2 1/4"	374-8G	374-3S
2"	2 3/4"	374-9G	374-3S
2 1/2"	3 1/2"	374-10G	374-3S



471 BRACKET ELBOW

Sizes	Code galvanized	Code black
1/2"	471-4G	471-4S
3/4"	471-5G	471-5S
1"	471-6G	471-6S



529a SOCKET M/F ISO M4

Sizes	Code galvanized	Code black
3/8"	529-3G	529-3S
1/2"	529-4G	529-4S
3/4"	529-5G	529-5S
1"	529-6G	529-6S
1 1/4"	529-7G	529-7S
1 1/2"	529-8G	529-8S
2"	529-9G	529-9S



531 NIPPLES

Sizes	Code galvanized	Code black
1/2"	531-4G	531-4S
3/4"	531-5G	531-5S
1"	531-6G	531-6S
1 1/4"	531-7G	531-7S
2"	531-9G	531-9S



HOW MANY TYPES OF MALLEABLE CAST IRON DO EXIST?

Basically there are two groups of malleable cast iron: whiteheart and blackheart. Each of these type is subdivided into further several types indicating the hardness and ductility grade.

WHAT IS THE DIFFERENCE BETWEEN WHITEHEART AND BLACKHEART MALLEABLE CAST IRONS?

Whiteheart malleable cast iron: has a white casting and put through a heat-treatment in decarburising ambience for obtaining a partial or total decarburised material. The possible residual of graphite appears as carbon tempering.

Blackheart malleable cast iron: has a white casting and put through a heat-treatment not decarburising. The residual of graphite appears as carbon tempering concentrated on surface.

WHAT DOES IT MEAN TECHNICALLY?

Here a comparison among few different types of cast iron: by taking two cylinder samples of 12 mm diameter each, a test of Tensile Strength and Bending is carried for measuring the ductile-mechanical features:

- EN-GJMW-400-5 whiteheart malleable cast iron
- EN-GJMB-350-10 blackheart malleable cast iron
- EN-GJMW-350-4 whiteheart malleable cast iron
- EN-GJMW-550-4 whiteheart malleable cast iron
- EN-GJMB-450-6 blackheart malleable cast iron
- EN-GJMB-550-4 blackheart malleable cast iron

Parameter	EN-GJMW-350-4 whiteheart	EN-GJMW-400-5 whiteheart	EN-GJMW-550-4 whiteheart	EN-GJMB-350-10 blackheart	EN-GJMB-450-6 blackheart	EN-GJMB-550-4 blackheart
Tensile strength Rm [N/mm ²]	350	400	550	350	450	550
Elongation A in [%]	4	5	4	10	6	4
Yield strength Rp0.2 [N/mm ²]	160	220	340	200	270	340
Brinell hardness [HB]	Max. 230	Max. 220	Max. 250	Max. 150	150/200	180/230

WHAT STANDARDS ARE APPLICABLE?

The specific Standard for malleable cast iron and its classification is: DIN EN 1562, which describes the classification, types of cast iron and testing parameters.

AND WHAT ARE THE STANDARDS FOR THREADED FITTINGS?

The specific standard is DIN EN 10242, which classifies the different types of fittings by the material, the shape, the threads, the quality test, the tolerance, the thickness of zinc coating, the testing criterions under pressure, etc.

HOW ARE THE GEBO THREADED FITTINGS CLASSIFIED?

Gebo Fittings are classified in „design symbol A“.

WHAT DOES IT MEAN?

The fittings included in this Class must have these features:

- Material type EN-GJMW-400-5 or EN-GJMB-350-10
- Taper external thread (ISO 7/1)
- Parallel internal thread (ISO 7/1)
- Average thickness of zinc coating not under 63 micron
- Must have specific dimensional features
- Must be tested SINGULARLY by immersion in liquid with a testing pressure of 5 bar
- Must be inspected SINGULARLY for eventual defects of shape
- Must pass up to 4" a resistance test with pressure of min. 100 bar and for 5" and 6" min. 64 bar
- Must be produced by a Company Certified ISO 9001
- Other parameters

Fittings accordingly to DIN EN 10242; DVGW certified, Design Symbol "A"

FITTINGS ACCORDINGLY TO DIN EN 10242



**PLEASE ASK AT OUR SALES OFFICES
FOR NATIONAL CERTIFICATES.**

geb nipple

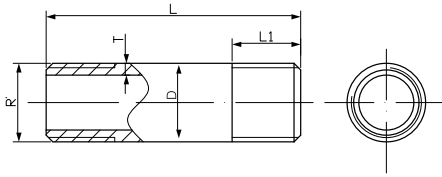
**BARREL NIPPLES AND SOCKS -
GALVANIZED OR BLACK.**





BARREL NIPPEL	S. 141
Barrel nipple from 1/8" up to 4", 30 mm – 2000 mm length	
SOCKETS	S. 147
Sockets from 1/8" up to 4"	

BARREL NIPPLE GALVANIZED OR BLACK



PARAMETERS: following to DIN EN 10241

MATERIAL: steel pipe according to DIN EN 10255

THREADS: accordingly to ISO 7/1

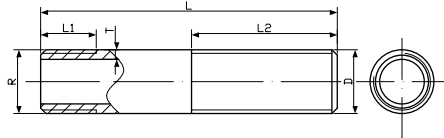
Thread size (R)		Code galvanized	Code black	Dimension [mm]			
x (L) length		Barrel nipples	Barrel nipples	D	T	L	L1
1/8" x 30 mm		70.030.01V	70.030.01S	10,2	2,0	30	9,2
1/8" x 40 mm		70.040.01V	70.040.01S	10,2	2,0	40	9,2
1/8" x 50 mm		70.050.01V	70.050.01S	10,2	2,0	50	9,2
1/8" x 60 mm		70.060.01V	70.060.01S	10,2	2,0	60	9,2
1/8" x 70 mm		70.070.01V	70.070.01S	10,2	2,0	70	9,2
1/8" x 80 mm		70.080.01V	70.080.01S	10,2	2,0	80	9,2
1/8" x 100 mm		70.100.01V	70.100.01S	10,2	2,0	100	9,2
1/8" x 120 mm		70.120.01V	70.120.01S	10,2	2,0	120	9,2
1/8" x 150 mm		70.150.01V	70.150.01S	10,2	2,0	150	9,2
1/8" x 180 mm		70.180.01V	70.180.01S	10,2	2,0	180	9,2
1/8" x 200 mm		70.200.01V	70.200.01S	10,2	2,0	200	9,2
1/8" x 250 mm		70.250.01V	70.250.01S	10,2	2,0	250	9,2
1/8" x 300 mm		70.300.01V	70.300.01S	10,2	2,0	300	9,2
1/4" x 30 mm		70.030.02V	70.030.02S	13,5	2,3	30	13,7
1/4" x 40 mm		70.040.02V	70.040.02S	13,5	2,3	40	13,7
1/4" x 50 mm		70.050.02V	70.050.02S	13,5	2,3	50	13,7
1/4" x 60 mm		70.060.02V	70.060.02S	13,5	2,3	60	13,7
1/4" x 80 mm		70.080.02V	70.080.02S	13,5	2,3	80	13,7
1/4" x 100 mm		70.100.02V	70.100.02S	13,5	2,3	100	13,7
1/4" x 120 mm		70.120.02V	70.120.02S	13,5	2,3	120	13,7
1/4" x 140 mm		70.140.02V	70.140.02S	13,5	2,3	140	13,7
1/4" x 150 mm		70.150.02V	70.150.02S	13,5	2,3	150	13,7
1/4" x 160 mm		70.160.02V	70.160.02S	13,5	2,3	160	13,7
1/4" x 180 mm		70.180.02V	70.180.02S	13,5	2,3	180	13,7
1/4" x 200 mm		70.200.02V	70.200.02S	13,5	2,3	200	13,7
1/4" x 250 mm		70.250.02V	70.250.02S	13,5	2,3	250	13,7
1/4" x 300 mm		70.300.02V	70.300.02S	13,5	2,3	300	13,7
3/8" x 30 mm		70.030.03V	70.030.03S	17,2	2,3	30	12,0
3/8" x 40 mm		70.040.03V	70.040.03S	17,2	2,3	40	12,0
3/8" x 50 mm		70.050.03V	70.050.03S	17,2	2,3	50	12,0
3/8" x 60 mm		70.060.03V	70.060.03S	17,2	2,3	60	12,0
3/8" x 70 mm		70.070.03V	70.070.03S	17,2	2,3	70	12,0
3/8" x 80 mm		70.080.03V	70.080.03S	17,2	2,3	80	12,0
3/8" x 100 mm		70.100.03V	70.100.03S	17,2	2,3	100	12,0
3/8" x 120 mm		70.120.03V	70.120.03S	17,2	2,3	120	12,0
3/8" x 130 mm		70.130.03V	70.130.03S	17,2	2,3	130	12,0
3/8" x 150 mm		70.150.03V	70.150.03S	17,2	2,3	150	12,0
3/8" x 180 mm		70.180.03V	70.180.03S	17,2	2,3	180	12,0
3/8" x 200 mm		70.200.03V	70.200.03S	17,2	2,3	200	12,0
3/8" x 250 mm		70.250.03V	70.250.03S	17,2	2,3	250	12,0
3/8" x 300 mm		70.300.03V	70.300.03S	17,2	2,3	300	12,0

Thread size (R)			Code galvanized	Code black	Dimension [mm]			
x (L) length			Barrel nipples	Barrel nipples	D	T	L	L1
1/2"	x	30 mm	70.030.04V	70.030.04S	21,3	2,6	30	15,0
1/2"	x	40 mm	70.040.04V	70.040.04S	21,3	2,6	40	15,0
1/2"	x	50 mm	70.050.04V	70.050.04S	21,3	2,6	50	15,0
1/2"	x	60 mm	70.060.04V	70.060.04S	21,3	2,6	60	15,0
1/2"	x	70 mm	70.070.04V	70.070.04S	21,3	2,6	70	15,0
1/2"	x	80 mm	70.080.04V	70.080.04S	21,3	2,6	80	15,0
1/2"	x	90 mm	70.090.04V	70.090.04S	21,3	2,6	90	15,0
1/2"	x	100 mm	70.100.04V	70.100.04S	21,3	2,6	100	15,0
1/2"	x	110 mm	70.110.04V	70.110.04S	21,3	2,6	110	15,0
1/2"	x	120 mm	70.120.04V	70.120.04S	21,3	2,6	120	15,0
1/2"	x	130 mm	70.130.04V	70.130.04S	21,3	2,6	130	15,0
1/2"	x	140 mm	70.140.04V	70.140.04S	21,3	2,6	140	15,0
1/2"	x	150 mm	70.150.04V	70.150.04S	21,3	2,6	150	15,0
1/2"	x	160 mm	70.160.04V	70.160.04S	21,3	2,6	160	15,0
1/2"	x	180 mm	70.180.04V	70.180.04S	21,3	2,6	180	15,0
1/2"	x	200 mm	70.200.04V	70.200.04S	21,3	2,6	200	15,0
1/2"	x	300 mm	70.300.04V	70.300.04S	21,3	2,6	300	15,0
1/2"	x	400 mm	70.400.04V	70.400.04S	21,3	2,6	400	15,0
1/2"	x	500 mm	70.500.04V	70.500.04S	21,3	2,6	500	15,0
1/2"	x	1000 mm	70.1000.04V	70.1000.04S	21,3	2,6	1000	15,0
1/2"	x	1500 mm	70.1500.04V	70.1500.04S	21,3	2,6	1500	15,0
1/2"	x	2000 mm	70.2000.04V	70.2000.04S	21,3	2,6	2000	15,0
3/4"	x	30 mm	70.030.05V	70.030.05S	26,9	2,6	30	15,0
3/4"	x	40 mm	70.040.05V	70.040.05S	26,9	2,6	40	15,0
3/4"	x	50 mm	70.050.05V	70.050.05S	26,9	2,6	50	15,0
3/4"	x	60 mm	70.060.05V	70.060.05S	26,9	2,6	60	15,0
3/4"	x	70 mm	70.070.05V	70.070.05S	26,9	2,6	70	15,0
3/4"	x	80 mm	70.080.05V	70.080.05S	26,9	2,6	80	15,0
3/4"	x	90 mm	70.090.05V	70.090.05S	26,9	2,6	90	15,0
3/4"	x	100 mm	70.100.05V	70.100.05S	26,9	2,6	100	15,0
3/4"	x	110 mm	70.110.05V	70.110.05S	26,9	2,6	110	15,0
3/4"	x	120 mm	70.120.05V	70.120.05S	26,9	2,6	120	15,0
3/4"	x	130 mm	70.130.05V	70.130.05S	26,9	2,6	130	15,0
3/4"	x	140 mm	70.140.05V	70.140.05S	26,9	2,6	140	15,0
3/4"	x	150 mm	70.150.05V	70.150.05S	26,9	2,6	150	15,0
3/4"	x	160 mm	70.160.05V	70.160.05S	26,9	2,6	160	15,0
3/4"	x	180 mm	70.180.05V	70.180.05S	26,9	2,6	180	15,0
3/4"	x	200 mm	70.200.05V	70.200.05S	26,9	2,6	200	15,0
3/4"	x	250 mm	70.250.05V	70.250.05S	26,9	2,6	250	15,0
3/4"	x	300 mm	70.300.05V	70.300.05S	26,9	2,6	300	15,0
3/4"	x	400 mm	70.400.05V	70.400.05S	26,9	2,6	400	15,0
3/4"	x	500 mm	70.500.05V	70.500.05S	26,9	2,6	500	15,0
3/4"	x	1000 mm	70.1000.05V	70.1000.05S	26,9	2,6	1000	15,0
3/4"	x	1500 mm	70.1500.05V	70.1500.05S	26,9	2,6	1500	15,0
3/4"	x	2000 mm	70.2000.05V	70.2000.05S	26,9	2,6	2000	15,0
1"	x	30 mm	70.030.06V	70.030.06S	33,7	3,2	30	17,0
1"	x	40 mm	70.040.06V	70.040.06S	33,7	3,2	40	17,0
1"	x	50 mm	70.050.06V	70.050.06S	33,7	3,2	50	17,0
1"	x	60 mm	70.060.06V	70.060.06S	33,7	3,2	60	17,0
1"	x	70 mm	70.070.06V	70.070.06S	33,7	3,2	70	17,0
1"	x	80 mm	70.080.06V	70.080.06S	33,7	3,2	80	17,0
1"	x	90 mm	70.090.06V	70.090.06S	33,7	3,2	90	17,0
1"	x	100 mm	70.100.06V	70.100.06S	33,7	3,2	100	17,0
1"	x	110 mm	70.110.06V	70.110.06S	33,7	3,2	110	17,0
1"	x	120 mm	70.120.06V	70.120.06S	33,7	3,2	120	17,0
1"	x	130 mm	70.130.06V	70.130.06S	33,7	3,2	130	17,0
1"	x	140 mm	70.140.06V	70.140.06S	33,7	3,2	140	17,0
1"	x	150 mm	70.150.06V	70.150.06S	33,7	3,2	150	17,0
1"	x	160 mm	70.160.06V	70.160.06S	33,7	3,2	160	17,0
1"	x	180 mm	70.180.06V	70.180.06S	33,7	3,2	180	17,0
1"	x	200 mm	70.200.06V	70.200.06S	33,7	3,2	200	17,0
1"	x	250 mm	70.250.06V	70.250.06S	33,7	3,2	250	17,0
1"	x	300 mm	70.300.06V	70.300.06S	33,7	3,2	300	17,0
1"	x	400 mm	70.400.06V	70.400.06S	33,7	3,2	400	17,0
1"	x	500 mm	70.500.06V	70.500.06S	33,7	3,2	500	17,0
1"	x	600 mm	70.600.06V	70.600.06S	33,7	3,2	600	17,0
1"	x	1000 mm	70.1000.06V	70.1000.06S	33,7	3,2	1000	17,0
1"	x	1500 mm	70.1500.06V	70.1500.06S	33,7	3,2	1500	17,0
1"	x	2000 mm	70.2000.06V	70.2000.06S	33,7	3,2	2000	17,0

Thread size (R)		Code galvanized		Code black		Dimension [mm]			
x (L) length		Barrel nipples		Barrel nipples		D	T	L	L1
1 1/4"	x 40 mm	70.040.07V	70.040.07S	42,4	3,2	40	20,0		
1 1/4"	x 50 mm	70.050.07V	70.050.07S	42,4	3,2	50	20,0		
1 1/4"	x 60 mm	70.060.07V	70.060.07S	42,4	3,2	60	20,0		
1 1/4"	x 70 mm	70.070.07V	70.070.07S	42,4	3,2	70	20,0		
1 1/4"	x 80 mm	70.080.07V	70.080.07S	42,4	3,2	80	20,0		
1 1/4"	x 100 mm	70.100.07V	70.100.07S	42,4	3,2	100	20,0		
1 1/4"	x 110 mm	70.110.07V	70.110.07S	42,4	3,2	110	20,0		
1 1/4"	x 120 mm	70.120.07V	70.120.07S	42,4	3,2	120	20,0		
1 1/4"	x 140 mm	70.140.07V	70.140.07S	42,4	3,2	140	20,0		
1 1/4"	x 150 mm	70.150.07V	70.150.07S	42,4	3,2	150	20,0		
1 1/4"	x 160 mm	70.160.07V	70.160.07S	42,4	3,2	160	20,0		
1 1/4"	x 180 mm	70.180.07V	70.180.07S	42,4	3,2	180	20,0		
1 1/4"	x 200 mm	70.200.07V	70.200.07S	42,4	3,2	200	20,0		
1 1/4"	x 250 mm	70.250.07V	70.250.07S	42,4	3,2	250	20,0		
1 1/4"	x 300 mm	70.300.07V	70.300.07S	42,4	3,2	300	20,0		
1 1/4"	x 400 mm	70.400.07V	70.400.07S	42,4	3,2	400	20,0		
1 1/4"	x 500 mm	70.500.07V	70.500.07S	42,4	3,2	500	20,0		
1 1/4"	x 600 mm	70.600.07V	70.600.07S	42,4	3,2	600	20,0		
1 1/4"	x 1000 mm	70.1000.07V	70.1000.07S	42,4	3,2	1000	20,0		
1 1/4"	x 1500 mm	70.1500.07V	70.1500.07S	42,4	3,2	1500	20,0		
1 1/4"	x 2000 mm	70.2000.07V	70.2000.07S	42,4	3,2	2000	20,0		
1 1/2"	x 40 mm	70.040.08V	70.040.08S	48,3	3,2	40	20,0		
1 1/2"	x 50 mm	70.050.08V	70.050.08S	48,3	3,2	50	20,0		
1 1/2"	x 60 mm	70.060.08V	70.060.08S	48,3	3,2	60	20,0		
1 1/2"	x 70 mm	70.070.08V	70.070.08S	48,3	3,2	70	20,0		
1 1/2"	x 80 mm	70.080.08V	70.080.08S	48,3	3,2	80	20,0		
1 1/2"	x 90 mm	70.090.08V	70.090.08S	48,3	3,2	90	20,0		
1 1/2"	x 100 mm	70.100.08V	70.100.08S	48,3	3,2	100	20,0		
1 1/2"	x 110 mm	70.110.08V	70.110.08S	48,3	3,2	110	20,0		
1 1/2"	x 120 mm	70.120.08V	70.120.08S	48,3	3,2	120	20,0		
1 1/2"	x 130 mm	70.130.08V	70.130.08S	48,3	3,2	130	20,0		
1 1/2"	x 140 mm	70.140.08V	70.140.08S	48,3	3,2	140	20,0		
1 1/2"	x 150 mm	70.150.08V	70.150.08S	48,3	3,2	150	20,0		
1 1/2"	x 160 mm	70.160.08V	70.160.08S	48,3	3,2	160	20,0		
1 1/2"	x 170 mm	70.170.08V	70.170.08S	48,3	3,2	170	20,0		
1 1/2"	x 180 mm	70.180.08V	70.180.08S	48,3	3,2	180	20,0		
1 1/2"	x 200 mm	70.200.08V	70.200.08S	48,3	3,2	200	20,0		
1 1/2"	x 250 mm	70.250.08V	70.250.08S	48,3	3,2	250	20,0		
1 1/2"	x 300 mm	70.300.08V	70.300.08S	48,3	3,2	300	20,0		
1 1/2"	x 400 mm	70.400.08V	70.400.08S	48,3	3,2	400	20,0		
1 1/2"	x 500 mm	70.500.08V	70.500.08S	48,3	3,2	500	20,0		
1 1/2"	x 1000 mm	70.1000.08V	70.1000.08S	48,3	3,2	1000	20,0		
1 1/2"	x 2000 mm	70.2000.08V	70.2000.08S	48,3	3,2	2000	20,0		
2"	x 40 mm	70.040.09V	70.040.09S	60,3	3,6	40	23,0		
2"	x 50 mm	70.050.09V	70.050.09S	60,3	3,6	50	23,0		
2"	x 60 mm	70.060.09V	70.060.09S	60,3	3,6	60	23,0		
2"	x 70 mm	70.070.09V	70.070.09S	60,3	3,6	70	23,0		
2"	x 80 mm	70.080.09V	70.080.09S	60,3	3,6	80	23,0		
2"	x 100 mm	70.100.09V	70.100.09S	60,3	3,6	100	23,0		
2"	x 110 mm	70.110.09V	70.110.09S	60,3	3,6	110	23,0		
2"	x 120 mm	70.120.09V	70.120.09S	60,3	3,6	120	23,0		
2"	x 140 mm	70.140.09V	70.140.09S	60,3	3,6	140	23,0		
2"	x 150 mm	70.150.09V	70.150.09S	60,3	3,6	150	23,0		
2"	x 160 mm	70.160.09V	70.160.09S	60,3	3,6	160	23,0		
2"	x 180 mm	70.180.09V	70.180.09S	60,3	3,6	180	23,0		
2"	x 200 mm	70.200.09V	70.200.09S	60,3	3,6	200	23,0		
2"	x 250 mm	70.250.09V	70.250.09S	60,3	3,6	250	23,0		
2"	x 300 mm	70.300.09V	70.300.09S	60,3	3,6	300	23,0		
2"	x 500 mm	70.500.09V	70.500.09S	60,3	3,6	500	23,0		
2"	x 1000 mm	70.1000.09V	70.1000.09S	60,3	3,6	1000	23,0		
2"	x 2000 mm	70.2000.09V	70.2000.09S	60,3	3,6	2000	23,0		
2 1/2"	x 60 mm	70.060.10V	70.060.10S	76,1	3,6	60	27,0		
2 1/2"	x 80 mm	70.080.10V	70.080.10S	76,1	3,6	80	27,0		
2 1/2"	x 100 mm	70.100.10V	70.100.10S	76,1	3,6	100	27,0		
2 1/2"	x 120 mm	70.120.10V	70.120.10S	76,1	3,6	120	27,0		
2 1/2"	x 150 mm	70.150.10V	70.150.10S	76,1	3,6	150	27,0		
2 1/2"	x 200 mm	70.200.10V	70.200.10S	76,1	3,6	200	27,0		
2 1/2"	x 250 mm	70.250.10V	70.250.10S	76,1	3,6	250	27,0		
2 1/2"	x 300 mm	70.300.10V	70.300.10S	76,1	3,6	300	27,0		
2 1/2"	x 400 mm	70.400.10V	70.400.10S	76,1	3,6	400	27,0		
2 1/2"	x 500 mm	70.500.10V	70.500.10S	76,1	3,6	500	27,0		

Thread size (R)		Code galvanized	Code black	Dimension [mm]			
x (L) length		Barrel nipples	Barrel nipples	D	T	L	L1
3"	x 60 mm	70.060.11V	70.060.11S	88,9	4,0	60	30,0
3"	x 80 mm	70.080.11V	70.080.11S	88,9	4,0	80	30,0
3"	x 100 mm	70.100.11V	70.100.11S	88,9	4,0	100	30,0
3"	x 120 mm	70.120.11V	70.120.11S	88,9	4,0	120	30,0
3"	x 150 mm	70.150.11V	70.150.11S	88,9	4,0	150	30,0
3"	x 180 mm	70.180.11V	70.180.11S	88,9	4,0	180	30,0
3"	x 200 mm	70.200.11V	70.200.11S	88,9	4,0	200	30,0
3"	x 250 mm	70.250.11V	70.250.11S	88,9	4,0	250	30,0
3"	x 300 mm	70.300.11V	70.300.11S	88,9	4,0	300	30,0
3"	x 500 mm	70.500.11V	70.500.11S	88,9	4,0	500	30,0
4"	x 60 mm	70.060.12V	70.060.12S	114,3	4,5	60	36,0
4"	x 80 mm	70.080.12V	70.080.12S	114,3	4,5	80	36,0
4"	x 100 mm	70.100.12V	70.100.12S	114,3	4,5	100	36,0
4"	x 120 mm	70.120.12V	70.120.12S	114,3	4,5	120	36,0
4"	x 150 mm	70.150.12V	70.150.12S	114,3	4,5	150	36,0
4"	x 180 mm	70.180.12V	70.180.12S	114,3	4,5	180	36,0
4"	x 200 mm	70.200.12V	70.200.12S	114,3	4,5	200	36,0
4"	x 250 mm	70.250.12V	70.250.12S	114,3	4,5	250	36,0
4"	x 300 mm	70.300.12V	70.300.12S	114,3	4,5	300	36,0
4"	x 500 mm	70.500.12V	70.500.12S	114,3	4,5	500	36,0
4"	x 1000 mm	70.1000.12V	70.1000.12S	114,3	4,5	1000	36,0

BARREL NIPPLE, LONG THREAD, GALVANIZED OR BLACK



PARAMETERS: following to DIN EN 10241

MATERIAL: steel pipe according to DIN EN 10255

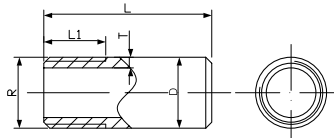
THREADS: accordingly to ISO 7/1

SIZES: from 3/8" to 2"

Thread size (R)		Code galvanized	Code black	Dimension [mm]				
x (L) length		Barrel nipples	Barrel nipples	D	T	L	L1	L2
3/8"	x 100 mm	71.100.03V	71.100.03S	17,2	2,3	100	12	50
3/8"	x 150 mm	71.150.03V	71.150.03S	17,2	2,3	150	12	60
3/8"	x 200 mm	71.200.03V	71.200.03S	17,2	2,3	200	12	60
3/8"	x 300 mm	71.300.03V	71.300.03S	17,2	2,3	300	12	60
1/2"	x 100 mm	71.100.04V	71.100.04S	21,3	2,6	100	15	50
1/2"	x 150 mm	71.150.04V	71.150.04S	21,3	2,6	150	15	60
1/2"	x 200 mm	71.200.04V	71.200.04S	21,3	2,6	200	15	60
1/2"	x 300 mm	71.300.04V	71.300.04S	21,3	2,6	300	15	60
3/4"	x 100 mm	71.100.05V	71.100.05S	26,9	2,6	100	15	50
3/4"	x 120 mm	71.120.05V	71.120.05S	26,9	2,6	120	15	50
3/4"	x 150 mm	71.150.05V	71.150.05S	26,9	2,6	150	15	60
3/4"	x 200 mm	71.200.05V	71.200.05S	26,9	2,6	200	15	60
3/4"	x 300 mm	71.300.05V	71.300.05S	26,9	2,6	300	15	60

Thread size (R)			Code galvanized	Code black	Dimension [mm]				
x (L) length			Barrel nipples	Barrel nipples	D	T	L	L1	L2
1"	x	100 mm	71.100.06V	71.100.06S	33.7	3.2	100	17	50
1"	x	140 mm	71.140.06V	71.140.06S	33.7	3.2	140	17	50
1"	x	150 mm	71.150.06V	71.150.06S	33.7	3.2	150	17	70
1"	x	200 mm	71.200.06V	71.200.06S	33.7	3.2	200	17	70
1"	x	300 mm	71.300.06V	71.300.06S	33.7	3.2	300	17	70
1 1/4"	x	100 mm	71.100.07V	71.100.07S	42.4	3.2	100	20	50
1 1/4"	x	150 mm	71.150.07V	71.150.07S	42.4	3.2	150	20	70
1 1/4"	x	200 mm	71.200.07V	71.200.07S	42.4	3.2	200	20	70
1 1/4"	x	300 mm	71.300.07V	71.300.07S	42.4	3.2	300	20	70
1 1/2"	x	100 mm	71.100.08V	71.100.08S	48.3	3.2	100	20	50
1 1/2"	x	150 mm	71.150.08V	71.150.08S	48.3	3.2	150	20	70
1 1/2"	x	180 mm	71.180.08V	71.180.08S	48.3	3.2	180	20	70
1 1/2"	x	200 mm	71.200.08V	71.200.08S	48.3	3.2	200	20	70
1 1/2"	x	300 mm	71.300.08V	71.300.08S	48.3	3.2	300	20	70
2"	x	100 mm	71.100.09V	71.100.09S	60.3	3.6	100	23	50
2"	x	150 mm	71.150.09V	71.150.09S	60.3	3.6	150	23	80
2"	x	170 mm	71.170.09V	71.170.09S	60.3	3.6	170	23	80
2"	x	200 mm	71.200.09V	71.200.09S	60.3	3.6	200	23	80
2"	x	300 mm	71.300.09V	71.300.09S	60.3	3.6	300	23	80

NIPPLE, ONE END THREAD, GALVANIZED OR BLACK



PARAMETERS: following to DIN EN 10241
MATERIAL: steel pipe according to DIN EN 10255
THREADS: accordingly to ISO 7/1
SIZES: from 3/8" to 2"

Thread size (R)			Code galvanized	Code black	Dimension [mm]			
x (L) length			Barrel nipples	Barrel nipples	D	T	L	L1
3/8"	x	60 mm	72.060.03V	72.060.03S	17.2	2.3	60	12
3/8"	x	100 mm	72.100.03V	72.100.03S	17.2	2.3	100	12
3/8"	x	150 mm	72.150.03V	72.150.03S	17.2	2.3	150	12
3/8"	x	200 mm	72.200.03V	72.200.03S	17.2	2.3	200	12
1/2"	x	60 mm		72.060.04S	21.3	2.6	60	15
1/2"	x	100 mm	72.100.04V	72.100.04S	21.3	2.6	100	15
1/2"	x	150 mm	72.150.04V	72.150.04S	21.3	2.6	150	15
1/2"	x	200 mm	72.200.04V	72.200.04S	21.3	2.6	200	15
1/2"	x	300 mm	72.300.04V	72.300.04S	21.3	2.6	300	15
3/4"	x	100 mm	72.100.05V	72.100.05S	26.9	2.6	100	15
3/4"	x	150 mm	72.150.05V	72.150.05S	26.9	2.6	150	15
3/4"	x	200 mm	72.200.05V	72.200.05S	26.9	2.6	200	15
3/4"	x	300 mm	72.300.05V	72.300.05S	26.9	2.6	300	15

Thread size (R)			Code galvanized	Code black	Dimension [mm]			
x (L) length			Barrel nipples	Barrel nipples	D	T	L	L1
1"	x	100 mm	72.100.06V	72.100.06S	33.7	3.2	100	17
1"	x	150 mm	72.150.06V	72.150.06S	33.7	3.2	150	17
1"	x	200 mm	72.200.06V	72.200.06S	33.7	3.2	200	17
1"	x	300 mm	72.300.06V	72.300.06S	33.7	3.2	300	17
1 1/4"	x	100 mm	72.100.07V	72.100.07S	42.4	3.2	100	20
1 1/4"	x	150 mm	72.150.07V	72.150.07S	42.4	3.2	150	20
1 1/4"	x	200 mm	72.200.07V	72.200.07S	42.4	3.2	200	20
1 1/4"	x	250 mm	72.250.07V	72.250.07S	42.4	3.2	250	20
1 1/4"	x	300 mm	72.300.07V	72.300.07S	42.4	3.2	300	20
1 1/2"	x	100 mm	72.100.08V	72.100.08S	48.3	3.2	100	20
1 1/2"	x	150 mm	72.150.08V	72.150.08S	48.3	3.2	150	20
1 1/2"	x	200 mm	72.200.08V	72.200.08S	48.3	3.2	200	20
1 1/2"	x	250 mm	72.250.08V	72.250.08S	48.3	3.2	250	20
1 1/2"	x	300 mm	72.300.08V	72.300.08S	48.3	3.2	300	20
2"	x	100 mm	72.100.09V	72.100.09S	60.3	3.6	100	23
2"	x	150 mm	72.150.09V	72.150.09S	60.3	3.6	150	23
2"	x	200 mm	72.200.09V	72.200.09S	60.3	3.6	200	23
2"	x	250 mm	72.250.09V	72.250.09S	60.3	3.6	250	23
2"	x	300 mm	72.300.09V	72.300.09S	60.3	3.6	300	23

SOCKETS, BLACK

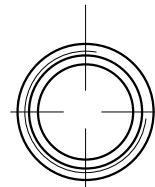
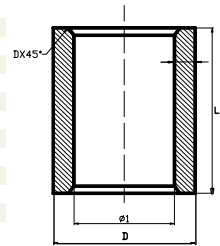
FEATURES: Following to DIN EN 10241

COMPOSITION: Steel pipe in compliance with DIN10255

THREADS: Accordingly to ISO 7/1



Size	Code galvanized	Dimensions [mm]	
		D	L
Total length			
1/8"	73.001.01S	14,0	17,0
1/4"	73.001.02S	17,0	25,0
3/8"	73.001.03S	21,3	26,0
1/2"	73.001.04S	26,4	34,0
3/4"	73.001.05S	31,8	36,0
1"	73.001.06S	39,5	43,0
1 1/4"	73.001.07S	48,3	48,0
1 1/2"	73.001.08S	54,5	48,0
2"	73.001.09S	66,3	56,0
2 1/2"	73.001.10S	82,0	66,0
3"	73.001.11S	95,0	71,0
4"	73.001.12S	122,0	83,0
Half length			
1/4"	73.002.02S	17,0	11,0
3/8"	73.002.03S	21,3	11,5
1/2"	73.002.04S	26,4	15,0
3/4"	73.002.05S	31,8	19,0
1"	73.002.06S	39,5	22,0
1 1/4"	73.002.07S	48,3	22,0
1 1/2"	73.002.08S	54,5	26,0
2"	73.002.09S	66,3	30,0
Special length			
3/8" x 60	73.003.03.60S	21,3	60,0
1/2" x 60	73.003.04.60S	26,4	60,0
1/2" x 80	73.003.04.80S	26,4	80,0
1/2" x 100	73.003.04.100S	26,4	100,0



CERTIFICATES

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**STAINLESS STEEL THREADED FITTINGS,
NIPPLES, BALL VALVES AND BIBCOCKS
AND Y-STRAINER**





THREADED FITTINGS

page 151

- All casted items are made of material 1.4408
- Alloying components in %: C \leq 0,07 · Cr 18,0 – 20,0 · Ni 9,0 – 12,0 · Mo 2,0 – 2,5
- Bends Code 6003 as well as sockets Code 6270 and 6272 are made from material 1.4404 (AISI 316L)
- Unions with flat seat are equipped with PTFE gaskets
- All items are signed with pressure stages 150 lbs ~ 10,5 bar
- Application areas of materials 1.4408 + 1.4404: water, drinking water, chemical substances
- Good resistance against acids and corrosion
- Maximum operating temperature for threaded fittings (without further mechanical stress): 220°C. Maximum operating temperature for flat seated unions: 95°C.
- Jointing threads according to DIN EN 10226-1 (ISO 7/1)



BALL VALVES

page 167

- Valves bodies are made from material CF8M, materials of the components are listed in table starting on page 161
- All ball valves are equipped with PTFE gaskets
- All ball valves are signed with the max. allowed pressure stage PN63
- Temperature pressure relation can be taken out from diagrams starting on page 161
- Application area: water and different chemical substances
- Good resistance against corrosion and acids
- All ball valves are equipped with locking device
- Threads according to DIN EN 10226-1 (ISO 7/1)



BIBCOCKS MADE OF STAINLESS STEEL

page 172

- full bore with lock handle and hose connection
- Jointing male thread DIN EN 10226-1 / ISO 7/1



Y-STRAINER MADE OF STAINLESS STEEL

page 173

- Threaded female ends DIN EN 10226-1 / ISO 7-1
- Screen insert with sealing as spare part available

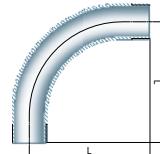


THREADED PIPE NIPPLES

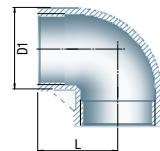
page 174

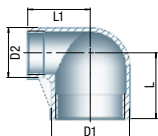
- All threaded pipe nipples and welding nipples are made from welded pipes (material 1.4404) according to DIN EN 10255 (dimensions) and DIN EN 10241 (length)
- Suitable for media: water, drinking water, different chemical substances
- Maximum pressure stage: 50 bar (20°C)
- Threads according to DIN EN 10226-1 (ISO 7/1)

3		BEND 90°, M/M		MAT. 1.4404			
Size [1x2]	Code	Dimensions [mm]					
		L					
1/4"	6003-014	60.0					
3/8"	6003-038	70.0					
1/2"	6003-012	80.0					
3/4"	6003-034	100.0					
1"	6003-100	120.0					
1 1/4"	6003-114	140.0					
1 1/2"	6003-112	160.0					
2"	6003-200	190.0					

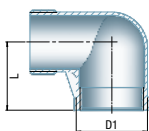


90		ELBOWS 90°, F/F		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6090-018	17.0	13.0				
1/4"	6090-014	19.0	16.0				
3/8"	6090-038	23.0	20.0				
1/2"	6090-012	27.0	24.5				
3/4"	6090-034	32.0	30.0				
1"	6090-100	38.0	37.5				
1 1/4"	6090-114	45.0	46.5				
1 1/2"	6090-112	48.0	53.0				
2"	6090-200	57.0	65.5				
2 1/2"	6090-212	69.0	82.0				
3"	6090-300	78.0	95.5				
4"	6090-400	96.0	121.5				



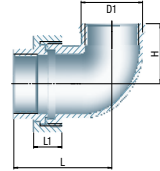


90	REDUCING ELBOWS 90°, F/F	MAT. 1.4408				
Size [1 x 2]	Code	Dimensions [mm]				
		L	L1	D1	D2	
1/2" x 3/8"	6090-012038	25.0	26.0	24.5	20.0	
3/4" x 3/8"	6090-034038	28.0	28.0	30.0	20.0	
3/4" x 1/2"	6090-034012	30.0	29.0	30.0	24.5	
1" x 1/2"	6090-100012	33.0	32.0	37.5	24.5	
1" x 3/4"	6090-100034	35.0	34.0	37.5	30.0	
1 1/4" x 3/4"	6090-114034	40.0	38.0	46.5	30.0	
1 1/4" x 1"	6090-114100	42.0	40.0	46.5	37.5	
1 1/2" x 1"	6090-112100	45.0	41.0	53.0	37.5	
1 1/2" x 1 1/4"	6090-112114	48.0	45.0	53.0	46.5	
2" x 1 1/4"	6090-200114	54.0	48.0	65.5	46.5	
2" x 1 1/2"	6090-200112	55.0	52.0	65.5	53.0	

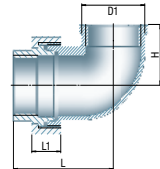


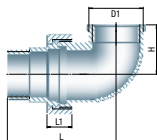
92	STREET ELBOWS 90°, M/F	MAT. 1.4408				
Size [1 x 2]	Code	Dimensions [mm]				
		L	D1			
1/8"	6092-018	17.0	13.0			
1/4"	6092-014	19.0	16.0			
3/8"	6092-038	23.0	20.0			
1/2"	6092-012	27.0	24.5			
3/4"	6092-034	32.0	30.0			
1"	6092-100	38.0	37.5			
1 1/4"	6092-114	45.0	46.5			
1 1/2"	6092-112	48.0	53.0			
2"	6092-200	57.0	65.5			
2 1/2"	6092-212	69.0	82.0			
3"	6092-300	78.0	95.5			
4"	6092-400	97.0	121.5			

95		UNION ELBOWS 90°, FLAT SEAT, F/F		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	H	SW	
1/4"	6095-014	46.5	13.5	16.0	17.0	27	
3/8"	6095-038	51.0	15.0	19.0	20.0	30	
1/2"	6095-012	56.0	16.0	26.0	27.0	36	
3/4"	6095-034	61.0	17.0	31.5	31.0	43	
1"	6095-100	70.5	20.0	39.0	36.0	51	
1 1/4"	6095-114	78.0	22.0	47.5	42.0	61	
1 1/2"	6095-112	83.0	24.0	54.0	46.0	69	
2"	6095-200	96.0	27.0	66.5	56.0	83	

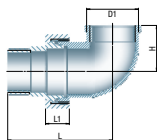


96		UNION ELBOWS 90°, CONICAL SEAT, F/F		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	H	SW	
1/4"	6096-014	46.5	13.5	16.0	17.0	27	
3/8"	6096-038	51.0	15.0	19.0	20.0	30	
1/2"	6096-012	56.0	16.0	26.0	27.0	36	
3/4"	6096-034	61.0	17.0	31.5	31.0	43	
1"	6096-100	70.5	20.0	39.0	36.0	51	
1 1/4"	6096-114	78.0	22.0	47.5	42.0	61	
1 1/2"	6096-112	83.0	24.0	54.0	46.0	69	
2"	6096-200	96.0	27.0	66.5	56.0	83	



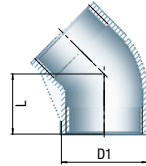


97		UNION ELBOWS 90°, FLAT SEAT, M/F					MAT. 1.4408
Size [1 x 2]	Code	Dimensions [mm]					
		L	L1	D1	H	SW	
1/4"	6097-014	57.0	13.5	16.0	17.0	27	
3/8"	6097-038	62.0	15.0	19.0	20.0	30	
1/2"	6097-012	70.5	16.0	26.0	27.0	36	
3/4"	6097-034	76.5	17.0	31.5	31.0	43	
1"	6097-100	88.5	20.0	39.0	36.0	51	
1 1/4"	6097-114	100.0	22.0	47.5	42.0	61	
1 1/2"	6097-112	103.5	24.0	54.0	46.0	69	
2"	6097-200	121.0	27.0	66.5	56.0	83	

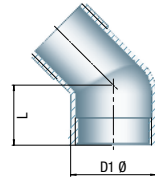


98		UNION ELBOWS 90°, CONICAL SEAT, M/F					MAT. 1.4408
Size [1 x 2]	Code	Dimensions [mm]					
		L	L1	D1	H	SW	
1/4"	6098-014	57.0	13.5	16.0	17.0	27	
3/8"	6098-038	62.0	15.0	19.0	20.0	30	
1/2"	6098-012	70.5	16.0	26.0	27.0	36	
3/4"	6098-034	76.5	17.0	31.5	31.0	43	
1"	6098-100	88.5	20.0	39.0	36.0	51	
1 1/4"	6098-114	100.0	22.0	47.5	42.0	61	
1 1/2"	6098-112	103.5	24.0	54.0	46.0	69	
2"	6098-200	121.0	27.0	66.5	56.0	83	

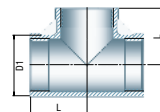
120		ELBOWS 45°, F/F				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6120-018	16.0	13.0				
1/4"	6120-014	17.0	16.0				
3/8"	6120-038	19.0	20.0				
1/2"	6120-012	21.0	24.5				
3/4"	6120-034	25.0	30.0				
1"	6120-100	29.0	37.5				
1 1/4"	6120-114	33.0	46.5				
1 1/2"	6120-112	37.0	53.0				
2"	6120-200	42.0	65.5				

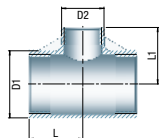


121		STREET ELBOWS 45°, M/F				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/4"	6121-014	19.0	16.0				
3/8"	6121-038	23.0	20.0				
1/2"	6121-012	27.0	24.5				
3/4"	6121-034	32.0	30.0				
1"	6121-100	38.0	37.5				
1 1/4"	6121-114	45.0	46.5				
1 1/2"	6121-112	48.0	53.0				
2"	6121-200	57.0	65.5				

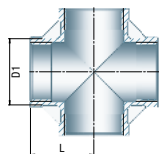


130		TEES 90°, F/F/F				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6130-018	17.0	13.0				
1/4"	6130-014	19.0	16.5				
3/8"	6130-038	23.0	20.0				
1/2"	6130-012	27.0	24.5				
3/4"	6130-034	32.0	30.0				
1"	6130-100	38.0	37.5				
1 1/4"	6130-114	45.0	46.5				
1 1/2"	6130-112	48.0	53.0				
2"	6130-200	57.0	65.5				
2 1/2"	6130-212	69.0	82.0				
3"	6130-300	78.0	95.5				



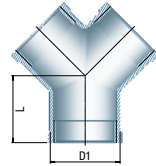


130		REDUCING TEES 90°, F/F/F				MAT. 1.4408	
Size [1 x 2]	Code	Dimensions [mm]					
		L	L1	D1	D2		
1/4" x 1/8"	6130-014018	18.0	18.0	16.0	13.0		
3/8" x 1/4"	6130-038014	20.0	22.0	20.0	16.0		
1/2" x 1/4"	6130-012014	24.0	24.0	24.5	16.0		
1/2" x 3/8"	6130-012038	26.0	25.0	24.5	20.0		
3/4" x 3/8"	6130-034038	28.0	28.0	30.0	20.0		
3/4" x 1/2"	6130-034012	29.0	30.0	30.0	24.5		
1" x 1/2"	6130-100012	32.0	33.0	37.5	24.5		
1" x 3/4"	6130-100034	34.0	35.0	37.5	30.0		
1 1/4" x 3/4"	6130-114034	38.0	40.0	46.5	30.0		
1 1/4" x 1"	6130-114100	40.0	42.0	46.5	37.5		
1 1/2" x 3/4"	6130-112034	37.0	43.0	53.0	30.0		
1 1/2" x 1"	6130-112100	41.0	45.0	53.0	37.5		
1 1/2" x 1 1/4"	6130-112114	45.0	48.0	53.0	46.5		
2" x 1"	6130-200100	44.0	51.0	65.5	37.5		
2" x 1 1/4"	6130-200114	48.0	54.0	65.5	46.5		
2" x 1 1/2"	6130-200112	52.0	55.0	65.5	53.0		

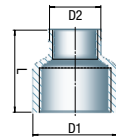


180		CROSSES, F/F/F/F				MAT. 1.4408	
Size [1 x 2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6180-018	17.0	13.0				
1/4"	6180-014	19.0	16.0				
3/8"	6180-038	23.0	20.0				
1/2"	6180-012	27.0	24.5				
3/4"	6180-034	32.0	30.0				
1"	6180-100	38.0	37.5				
1 1/4"	6180-114	45.0	46.5				
1 1/2"	6180-112	48.0	53.0				
2"	6180-200	57.0	65.5				

220		Y-TYPE TEE, F/F/F				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/4"	6220-014	19.0	18.0				
3/8"	6220-038	23.0	21.5				
1/2"	6220-012	27.0	26.5				
3/4"	6220-034	32.0	32.0				
1"	6220-100	40.9	43.2				
1 1/4"	6220-114	45.0	49.0				
1 1/2"	6220-112	48.0	55.5				
2"	6220-200	57.0	68.5				



240		REDUCING SOCKETS, F/F				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	D1	D2			
1/4" x 1/8"	6240-014018	25.0	17.5	14.0			
3/8" x 1/8"	6240-038018	23.0	21.0	14.0			
3/8" x 1/4"	6240-038014	26.0	21.0	17.5			
1/2" x 1/8"	6240-012018	34.0	26.5	14.0			
1/2" x 1/4"	6240-012014	34.0	26.5	17.5			
1/2" x 3/8"	6240-012038	34.0	26.5	21.0			
3/4" x 1/8"	6240-034018	36.0	32.0	14.0			
3/4" x 1/4"	6240-034014	36.0	32.0	17.5			
3/4" x 3/8"	6240-034038	36.0	32.0	21.0			
3/4" x 1/2"	6240-034012	36.0	32.0	25.5			
1" x 3/8"	6240-100038	42.0	39.0	21.0			
1" x 1/2"	6240-100012	42.0	39.0	25.5			
1" x 3/4"	6240-100034	42.0	39.0	31.0			
1 1/4" x 1/2"	6240-114012	48.0	48.0	25.5			
1 1/4" x 3/4"	6240-114034	48.0	48.0	31.0			
1 1/4" x 1"	6240-114100	48.0	48.0	39.0			
1 1/2" x 1/2"	6240-112012	52.0	54.0	25.5			
1 1/2" x 3/4"	6240-112034	52.0	54.0	31.0			
1 1/2" x 1"	6240-112100	52.0	54.0	39.0			
1 1/2" x 1 1/4"	6240-112114	52.0	54.0	48.0			
2" x 1/2"	6240-200012	58.0	67.5	25.5			
2" x 3/4"	6240-200034	58.0	67.5	31.0			
2" x 1"	6240-200100	58.0	67.5	39.0			
2" x 1 1/4"	6240-200114	58.0	67.5	48.0			
2" x 1 1/2"	6240-200112	58.0	67.5	54.0			
2 1/2" x 1 1/2"	6240-212112	65.0	84.0	54.0			
2 1/2" x 2"	6240-212200	65.0	84.0	67.5			
3" x 2"	6240-300200	72.0	98.0	67.5			
3" x 2 1/2"	6240-300212	72.0	98.0	84.0			
4" x 2"	6240-400200	94.0	125.0	67.5			
4" x 2 1/2"	6240-400212	94.0	125.0	84.0			
4" x 3"	6240-400300	94.0	125.0	98.0			





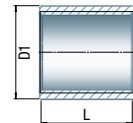
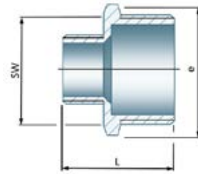
241	HEXAGON BUSHINGS, M/F	MAT. 1.4408			
Size [1 x 2]	Code	Dimensions [mm]			
		L	SW		
1/4" x 1/8"	6241-014018	16.0	14.0		
3/8" x 1/8"	6241-038018	16.5	18.0		
3/8" x 1/4"	6241-038014	16.5	18.0		
1/2" x 1/8"	6241-012018	20.0	22.0		
1/2" x 1/4"	6241-012014	20.0	22.0		
1/2" x 3/8"	6241-012038	20.0	22.0		
3/4" x 1/8"	6241-034018	21.0	27.5		
3/4" x 1/4"	6241-034014	21.0	27.5		
3/4" x 3/8"	6241-034038	21.0	27.5		
3/4" x 1/2"	6241-034012	21.0	27.5		
1" x 1/4"	6241-100014	24.5	34.5		
1" x 3/8"	6241-100038	24.5	34.5		
1" x 1/2"	6241-100012	24.5	34.5		
1" x 3/4"	6241-100034	24.5	34.5		
1 1/4" x 3/8"	6241-114038	27.5	43.0		
1 1/4" x 1/2"	6241-114012	27.5	43.0		
1 1/4" x 3/4"	6241-114034	27.5	43.0		
1 1/4" x 1"	6241-114100	27.5	43.0		
1 1/2" x 3/8"	6241-112038	28.5	49.0		
1 1/2" x 1/2"	6241-112012	28.5	49.0		
1 1/2" x 3/4"	6241-112034	28.5	49.0		
1 1/2" x 1"	6241-112100	28.5	49.0		
1 1/2" x 1 1/4"	6241-112114	28.5	49.0		
2" x 1/2"	6241-200012	33.0	61.0		
2" x 3/4"	6241-200034	33.0	61.0		
2" x 1"	6241-200100	33.0	61.0		
2" x 1 1/4"	6241-200114	33.0	61.0		
2" x 1 1/2"	6241-200112	33.0	61.0		
2 1/2" x 1"	6241-212100	37.0	76.0		
2 1/2" x 1 1/4"	6241-212114	37.0	76.0		
2 1/2" x 1 1/2"	6241-212112	37.0	76.0		
2 1/2" x 2"	6241-212200	37.0	76.0		
3" x 1 1/4"	6241-300114	40.0	90.0		
3" x 1 1/2"	6241-300112	40.0	90.0		
3" x 2"	6241-300200	40.0	90.0		
3" x 2 1/2"	6241-300212	40.0	90.0		
4" x 2"	6241-400200	46.0	115.0		
4" x 2 1/2"	6241-400212	46.0	115.0		
4" x 3"	6241-400300	46.0	115.0		

245		HEXAGON REDUCING NIPPLES, M/M			MAT. 1.4408		
Size [1x2]	Code	Dimensions [mm]					
		L	e	SW			
1/4" x 1/8"	6245-014018	22.5	17.3	15.0			
3/8" x 1/8"	6245-038018	24.0	20.8	18.0			
3/8" x 1/4"	6245-038014	26.5	20.8	18.0			
1/2" x 1/8"	6245-012018	27.5	25.4	22.0			
1/2" x 1/4"	6245-012014	30.0	25.4	22.0			
1/2" x 3/8"	6245-012038	30.5	25.4	22.0			
3/4" x 1/4"	6245-034014	31.5	32.3	28.0			
3/4" x 3/8"	6245-034038	32.0	32.3	28.0			
3/4" x 1/2"	6245-034012	35.5	32.3	28.0			
1" x 1/4"	6245-100014	34.5	40.4	35.0			
1" x 3/8"	6245-100038	35.0	40.4	35.0			
1" x 1/2"	6245-100012	38.5	40.4	35.0			
1" x 3/4"	6245-100034	39.5	40.4	35.0			
1 1/4" x 1/2"	6245-114012	41.5	50.2	43.5			
1 1/4" x 3/4"	6245-114034	42.5	47.1	43.5			
1 1/4" x 1"	6245-114100	45.0	50.2	43.5			
1 1/2" x 1/2"	6245-112012	41.5	57.2	49.5			
1 1/2" x 3/4"	6245-112034	42.5	57.2	49.5			
1 1/2" x 1"	6245-112100	45.0	57.2	49.5			
1 1/2" x 1 1/4"	6245-112114	47.5	57.2	49.5			
2" x 1/2"	6245-200012	46.5	71.6	62.0			
2" x 3/4"	6245-200034	47.5	71.6	62.0			
2" x 1"	6245-200100	50.0	71.6	62.0			
2" x 1 1/4"	6245-200114	52.5	67.1	62.0			
2" x 1 1/2"	6245-200112	52.5	71.6	62.0			
2 1/2" x 1 1/2"	6245-212112	54.5	89.5	77.5			
2 1/2" x 2"	6245-212200	59.0	81.5	77.5			
3" x 1 1/2"	6245-300112	58.0	95.1	90.5			
3" x 2"	6245-300200	62.5	104.5	90.5			
3" x 2 1/2"	6245-300212	64.5	104.5	90.5			
4" x 2"	6245-400200	69.0	125.6	116.0			
4" x 2 1/2"	6245-400212	71.0	121.9	116.0			
4" x 3"	6245-400300	74.0	125.6	116.0			

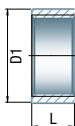


2

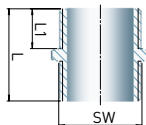
1



270		SOCKETS, F/F, FULL LENGTH (PIPE MADE)			MAT. 1.4404		
Size [1x2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6270-018	17.0	14.0				
1/4"	6270-014	25.0	18.5				
3/8"	6270-038	26.0	21.3				
1/2"	6270-012	34.0	26.4				
3/4"	6270-034	36.0	31.8				
1"	6270-100	43.0	39.5				
1 1/4"	6270-114	48.0	48.3				
1 1/2"	6270-112	48.0	54.5				
2"	6270-200	56.0	66.3				
2 1/2"	6270-212	65.0	82.0				
3"	6270-300	71.0	95.0				
4"	6270-400	83.0	122.0				

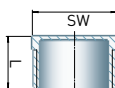


272		SOCKETS, F/F, HALF LENGTH (PIPE MADE)				MAT. 1.4404	
Size [1 x 2]	Code	Dimensions [mm]					
		L	D1				
1/8"	6272-018	10.0	14.0				
1/4"	6272-014	11.0	18.5				
3/8"	6272-038	12.0	21.3				
1/2"	6272-012	15.0	26.4				
3/4"	6272-034	17.0	31.8				
1"	6272-100	19.5	39.5				
1 1/4"	6272-114	22.0	48.3				
1 1/2"	6272-112	22.0	54.5				
2"	6272-200	26.0	66.3				
2 1/2"	6272-212	30.5	82.0				
3"	6272-300	34.0	95.0				
4"	6272-400	39.0	122.0				



article-no. with *:
version decagon

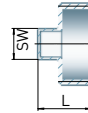
280		HEXAGON NIPPLES, M/M				MAT. 1.4408	
Size [1 x 2]	Code	Dimensions [mm]					
		L	L1	SW			
1/8"	6280-018	20.0	8.0	11.0			
1/4"	6280-014	25.0	10.5	15.0			
3/8"	6280-038	27.0	11.0	18.0			
1/2"	6280-012	34.0	14.5	22.0			
3/4"	6280-034	36.5	15.5	28.0			
1"	6280-100	42.0	18.0	35.0			
1 1/4"	6280-114	47.5	20.5	43.5			
1 1/2"	6280-112	47.5	20.5	49.5			
2"	6280-200	57.0	25.0	62.0			
2 1/2"	6280-212	61.0	27.0	77.5			
3"	6280-300*	67.5	30.0	90.5			
4"	6280-400*	80.0	36.0	117.0			



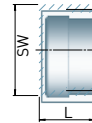
1/8" - 1/2" = hexagon
3/4" - 2" = octagon
2 1/2" - 4" = decagon

290		HEXAGON PLUGS				MAT. 1.4408	
Size [1 x 2]	Code	Dimensions [mm]					
		L	SW				
1/8"	6290-018	12.0	11.0				
1/4"	6290-014	14.5	15.0				
3/8"	6290-038	16.0	18.0				
1/2"	6290-012	19.5	22.0				
3/4"	6290-034	21.0	28.0				
1"	6290-100	24.0	35.0				
1 1/4"	6290-114	27.0	43.5				
1 1/2"	6290-112	27.0	49.5				
2"	6290-200	32.0	62.0				
2 1/2"	6290-212	34.0	77.5				
3"	6290-300	37.5	90.5				
4"	6290-400	44.0	117.0				

291	SQUARE PLUGS		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]				
		L	SW			
1/8"	6291-018	11.0	6.0			
1/4"	6291-014	13.5	7.0			
3/8"	6291-038	15.0	8.0			
1/2"	6291-012	18.5	10.0			
3/4"	6291-034	21.0	12.0			
1"	6291-100	25.5	14.0			
1 1/4"	6291-114	28.8	16.0			
1 1/2"	6291-112	29.0	20.0			
2"	6291-200	34.5	22.0			
2 1/2"	6291-212	38.5	28.0			
3"	6291-300	41.5	32.0			
4"	6291-400	51.5	40.0			

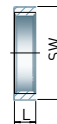


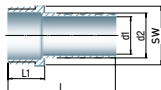
300	HEXAGON CAPS		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]				
		L	SW			
1/8"	6300-018	12.5	13.5			
1/4"	6300-014	16.0	17.0			
3/8"	6300-038	16.5	20.5			
1/2"	6300-012	21.0	25.0			
3/4"	6300-034	22.5	31.0			
1"	6300-100	26.0	38.0			
1 1/4"	6300-114	29.0	47.0			
1 1/2"	6300-112	29.0	53.0			
2"	6300-200	33.5	66.0			
2 1/2"	6300-212*	38.5	82.0			
3"	6300-300*	42.0	95.5			
4"	6300-400*	48.5	121.5			



article-no. with *:
version decagon

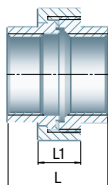
310	BACKNUTS		MAT. 1.4408			
Size [1x2]	Code	Dimensions [mm]				
		L	SW			
1/8"	6310-018	5.0	15.0			
1/4"	6310-014	6.0	18.0			
3/8"	6310-038	6.0	22.0			
1/2"	6310-012	7.0	27.0			
3/4"	6310-034	7.0	32.0			
1"	6310-100	9.0	40.0			
1 1/4"	6310-114	11.0	48.0			
1 1/2"	6310-112	11.0	55.0			
2"	6310-200	13.0	68.0			
2 1/2"	6310-212	15.0	85.0			
3"	6310-300	17.0	100.0			
4"	6310-400	20.0	125.0			



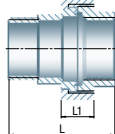


article-no. with *:
version octagon

315	HEXAGON HOSE NIPPLES	MAT. 1.4408				
Size [1 x 2]	Code	Dimensions [mm]				
		L	L1	d1	d2	SW
1/8" x 7 mm	6315-1807	33,0	19,0	3,2	7,0	11,0
1/4" x 9 mm	6315-1409	42,5	28,0	5,0	9,0	15,0
3/8" x 11 mm	6315-3811	49,0	33,0	7,0	11,0	18,0
1/2" x 13 mm	6315-1213	59,5	38,0	8,0	13,0	22,0
3/4" x 20 mm	6315-3420*	66,0	45,0	15,0	20,0	28,0
1" x 25 mm	6315-1025*	75,0	48,0	20,0	25,0	36,0
1 1/4" x 33 mm	6315-11433*	79,0	52,0	27,5	33,0	43,5
1 1/2" x 40 mm	6315-11240*	83,0	56,0	34,0	40,0	49,5
2" x 52 mm	6315-2052	92,0	60,0	45,0	52,0	62,0
2 1/2" x 63.5 mm	6315-212635*	100,0	62,5	56,0	63,5	77,5
3" x 76.5 mm	6315-30765*	110,0	70,0	67,0	76,5	90,5
4" x 100 mm	6315-40100*	120,0	73,0	90,0	100,0	117,0

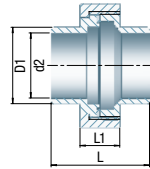


330	UNIONS FLAT SEAT, F/F	MAT. 1.4408				
Size [1 x 2]	Code	Dimensions [mm]				
		L	L1	SW		
1/8"	6330-018	30.0	13.0	22		
1/4"	6330-014	33.5	13.5	27		
3/8"	6330-038	36.5	15.0	30		
1/2"	6330-012	39.5	16.0	36		
3/4"	6330-034	42.5	17.0	43		
1"	6330-100	50.0	20.0	51		
1 1/4"	6330-114	54.0	22.0	61		
1 1/2"	6330-112	58.0	24.0	69		
2"	6330-200	65.0	27.0	83		
2 1/2"	6330-212	75.0	29.5	104		
3"	6330-300	83.0	31.0	120,5		
4"	6330-400	108.0	34.0	147		

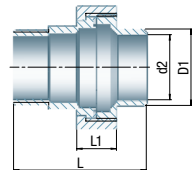


331	UNIONS FLAT SEAT, M/F	MAT. 1.4408				
Size [1 x 2]	Code	Dimensions [mm]				
		L	L1	SW		
1/8"	6331-018	38.0	13.0	22		
1/4"	6331-014	44.0	13.5	27		
3/8"	6331-038	47.5	15.0	30		
1/2"	6331-012	54.0	16.0	36		
3/4"	6331-034	58.0	17.0	43		
1"	6331-100	68.0	20.0	51		
1 1/4"	6331-114	74.5	22.0	61		
1 1/2"	6331-112	78.5	24.0	69		
2"	6331-200	90.0	27.0	83		
2 1/2"	6331-212	102.0	29.5	104		
3"	6331-300	113.0	31.0	120,5		

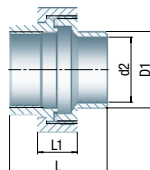
332		UNIONS FLAT SEAT BOTH ENDS WELDING					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6332-014	33.5	13.5	13.5	8.8	27	
3/8"	6332-038	36.5	15.0	17.2	12.5	30	
1/2"	6332-012	39.5	16.0	21.3	16.0	36	
3/4"	6332-034	42.5	17.0	26.9	21.6	43	
1"	6332-100	50.0	20.0	33.7	27.2	51	
1 1/4"	6332-114	54.0	22.0	42.4	35.9	61	
1 1/2"	6332-112	58.0	24.0	48.3	41.8	69	
2"	6332-200	65.0	27.0	60.3	53.0	83	
2 1/2"	6332-212	75.0	29.5	76.1	68.8	104	
3"	6332-300	83.0	31.0	88.9	80.8	105	

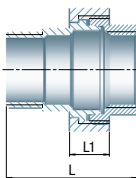
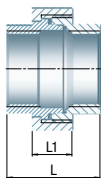
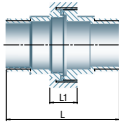


333		UNIONS FLAT SEAT MALE THREAD, WELDING END					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6333-014	44.0	13.5	13.5	8.8	27	
3/8"	6333-038	47.5	15.0	17.2	12.5	30	
1/2"	6333-012	54.0	16.0	21.3	16.0	36	
3/4"	6333-034	58.0	17.0	26.9	21.6	43	
1"	6333-100	68.0	20.0	33.7	27.2	51	
1 1/4"	6333-114	74.5	22.0	42.4	35.9	61	
1 1/2"	6333-112	78.5	24.0	48.3	41.8	69	
2"	6333-200	90.0	27.0	60.3	53.0	83	
2 1/2"	6333-212	102.0	29.5	76.1	68.8	104	



334		UNIONS FLAT SEAT FEMALE THREAD, WELDING END					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6334-014	33.5	13.5	13.5	8.8	27	
3/8"	6334-038	36.5	15.0	17.2	12.5	30	
1/2"	6334-012	39.5	16.0	21.3	16.0	36	
3/4"	6334-034	42.5	17.0	26.9	21.6	43	
1"	6334-100	50.0	20.0	33.7	27.2	51	
1 1/4"	6334-114	54.0	22.0	42.4	35.9	61	
1 1/2"	6334-112	58.0	24.0	48.3	41.8	69	
2"	6334-200	65.0	27.0	60.3	53.0	83	



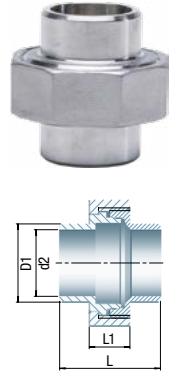


335		UNIONS FLAT SEAT, M/M			MAT. 1.4408		
Size [1x2]	Code	Dimensions [mm]					
		L	L1	SW			
1/2"	6335-012	68.5	16.0	36			
3/4"	6335-034	73.5	17.0	43			
1"	6335-100	86.0	20.0	51			
1 1/4"	6335-114	95.0	22.0	61			
1 1/2"	6335-112	99.0	24.0	69			

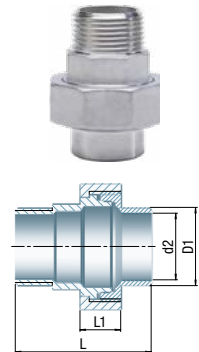
340		UNIONS CONICAL SEAT, F/F			MAT. 1.4408		
Size [1x2]	Code	Dimensions [mm]					
		L	L1	SW			
1/8"	6340-018	30.0	13.0	22			
1/4"	6340-014	33.5	13.5	27			
3/8"	6340-038	36.5	15.0	30			
1/2"	6340-012	39.5	16.0	36			
3/4"	6340-034	42.5	17.0	43			
1"	6340-100	50.0	20.0	51			
1 1/4"	6340-114	54.0	22.0	61			
1 1/2"	6340-112	58.0	24.0	69			
2"	6340-200	65.0	27.0	83			
2 1/2"	6340-212	75.0	29.5	104			
3"	6340-300	83.0	31.0	120,5			
4"	6340-400	110.0	34.0	147			

341		UNIONS CONICAL SEAT, M/F			MAT. 1.4408		
Size [1x2]	Code	Dimensions [mm]					
		L	L1	SW			
1/8"	6341-018	38.0	13.0	22			
1/4"	6341-014	44.0	13.5	27			
3/8"	6341-038	47.5	15.0	30			
1/2"	6341-012	54.0	16.0	36			
3/4"	6341-034	58.0	17.0	43			
1"	6341-100	68.0	20.0	51			
1 1/4"	6341-114	74.5	22.0	61			
1 1/2"	6341-112	78.5	24.0	69			
2"	6341-200	90.0	27.0	83			
2 1/2"	6341-212	102.0	29.5	104			
3"	6341-300	113.0	31.0	120,5			

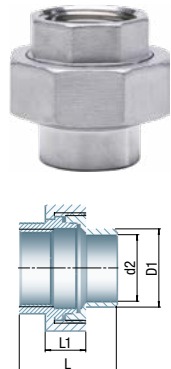
342		UNIONS CONICAL SEAT BOTH ENDS WELDING					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6342-014	33.5	13.5	13.5	8.8	27	
3/8"	6342-038	36.5	15.0	17.2	12.5	30	
1/2"	6342-012	39.5	16.0	21.3	16.0	36	
3/4"	6342-034	42.5	17.0	26.9	21.6	43	
1"	6342-100	50.0	20.0	33.7	27.2	51	
1 1/4"	6342-114	54.0	22.0	42.4	35.9	61	
1 1/2"	6342-112	58.0	24.0	48.3	41.8	69	
2"	6342-200	65.0	27.0	60.3	53.0	83	
2 1/2"	6342-212	75.0	29.5	76.1	68.8	104	
3"	6342-300	83.0	31.0	88.9	80.8	105	

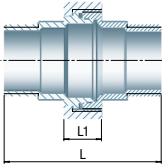


343		UNIONS CONICAL SEAT, MALE THREAD, WELDING END					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6343-014	44.0	13.5	13.5	8.8	27	
3/8"	6343-038	47.5	15.0	17.2	12.5	30	
1/2"	6343-012	54.0	16.0	21.3	16.0	36	
3/4"	6343-034	58.0	17.0	26.9	21.6	43	
1"	6343-100	68.0	20.0	33.7	27.2	51	
1 1/4"	6343-114	74.5	22.0	42.4	35.9	61	
1 1/2"	6343-112	78.5	24.0	48.3	41.8	69	
2"	6343-200	90.0	27.0	60.3	53.0	83	

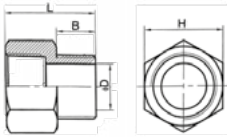


344		UNIONS CONICAL SEAT, FEMALE THREAD, WELDING END					MAT. 1.4408
Size [1x2]	Code	Dimensions [mm]					
		L	L1	D1	d2	SW	
1/4"	6344-014	33.5	13.5	13.5	8.8	27	
3/8"	6344-038	36.5	15.0	17.2	12.5	30	
1/2"	6344-012	39.5	16.0	21.3	16.0	36	
3/4"	6344-034	42.5	17.0	26.9	21.6	43	
1"	6344-100	50.0	20.0	33.7	27.2	51	
1 1/4"	6344-114	54.0	22.0	42.4	35.9	61	
1 1/2"	6344-112	58.0	24.0	48.3	41.8	69	
2"	6344-200	65.0	27.0	60.3	53.0	83	





345		UNIONS CONICAL SEAT, M/M				MAT. 1.4408	
Size [1x2]	Code	Dimensions [mm]					
		L	L1	SW			
1/2"	6345-012	68.5	16.0	36			
3/4"	6345-034	73.5	17.0	43			
1"	6345-100	86.0	20.0	51			
2"	6345-200	115.0	27.0	83			



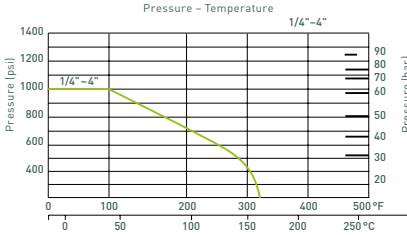
529H		HEXAGON EXTENSION, M/F				MAT. 1.4408	
Size	Code	Dimensions [mm]					
		L	B	D	H		
1/4"	6529H-014	29	10	7	17		
3/8"	6529H-038	33	12	9	21		
1/2"	6529H-012	37	13	13	26		
3/4"	6529H-034	42	15	18	32		
1"	6529H-100	47	17	23	38		
1 1/4"	6529H-114	53	20	29	50		
1 1/2"	6529H-112	53	20	35	54		
2"	6529H-200	57	24	44	70		

PTFE seals, different versions on request.

TYPE 603

1/4"-2" 1 PC BALL VALVE

- Female thread, reduced bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63

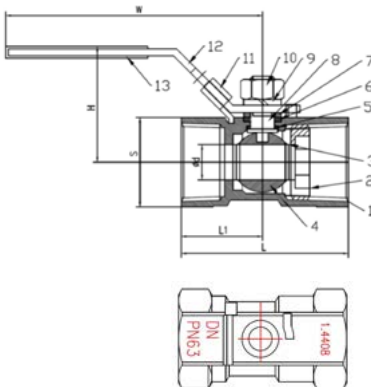


603

1 pc. ball valve. female thread. reduced bore. lock handle

MAT. 1.4408

Size	Code	Dimensions [mm]						KG
		d	L	L1	H	W	S	
1/4"	603-014	5.0	39.0	19.0	30.0	70.0	17.0	0.060
3/8"	603-038	6.8	44.0	21.0	34.0	90.0	21.0	0.100
1/2"	603-012	9.2	56.5	27.5	41.0	100.0	25.0	0.175
3/4"	603-034	12.5	59.0	29.0	44.0	100.0	32.0	0.240
1"	603-100	15.0	71.0	34.5	50.0	110.0	38.0	0.390
1 1/4"	603-114	20.0	78.0	37.0	55.0	110.0	48.0	0.610
1 1/2"	603-112	25.0	83.0	40.0	64.0	135.0	53.0	0.760
2"	603-200	32.0	100.0	49.0	70.0	145.0	65.0	1.175

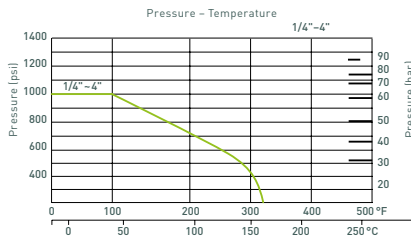


Nº.	Parts	QTY	Material
1	Body	1	ASTM - A351 - CF8M
2	Insert	1	ASTM - A351 - CF8M
3	Ball seat	2	PTFE
4	Ball	1	ASTM - A351 - CF8M
5	Thrust washer	1	PTFE
6	Stem packing	1	PTFE
7	Stem washer	1	AISI 304
8	Stem	1	AISI 316
9	Spring washer	1	AISI 304
10	Stem nut	1	AISI 304
11	Lock device	1	AISI 304
12	Handle	1	AISI 304
13	Plastic cover	1	PLASTIC

TYPE 604

1/4"-3" 2PCS BALL VALVE

- Female thread, full bore, DIN 3202 M3 and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63

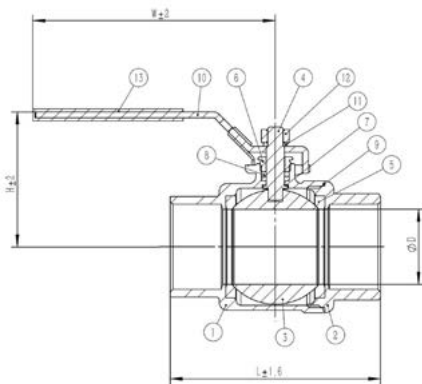


604

2 Pcs. ball valve. female thread. full bore. DIN 3202 M3. lock handle

Size	Code	Dimensions [mm]				KG
		d	L	H	W	
1/4"	604-014	11.6	55.0	51.0	95.0	0.220
3/8"	604-038	12.7	60.0	51.0	95.0	0.200
1/2"	604-012	15.0	75.0	53.0	95.0	0.300
3/4"	604-034	20.0	80.0	59.0	110.0	0.460
1"	604-100	25.0	90.0	73.0	135.0	0.720
1 1/4"	604-114	32.0	110.0	78.0	135.0	1.180
1 1/2"	604-112	38.0	120.0	91.0	147.0	1.820
2"	604-200	50.0	140.0	99.0	165.0	2.820
2 1/2"	604-212	65.0	185.0	130.0	215.0	5.580
3"	604-300	80.0	205.0	142.0	215.0	9.240

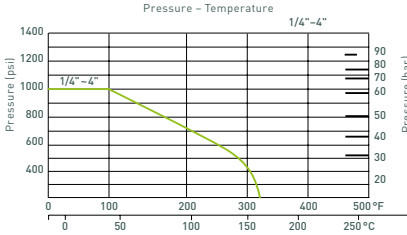
Nº.	Parts	QTY	Material
1	Body	1	ASTM-CFM8-A351
2	Cap	1	ASTM-CFM8-A351
3	Ball	1	ASTM-CFM8-A351
4	Stem	1	AISI 316
5	Ball seat	2	PTFE
6	Thrust washer	1	PTFE
7	Gland nut	1	AISI 304
8	Stem packing	2	PTFE
9	Joint gasket	1	PTFE
10	Handle	1	AISI 304
11	Stem washer	1	AISI 304
12	Stem nut	1	AISI 304
13	Plastic cover	1	PLASTIC



TYPE 605

1/4"-4" 2 PCS ECO BALL VALVE

- Female thread, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63

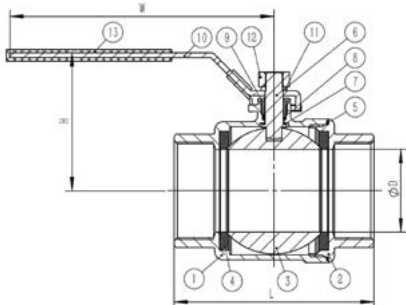


605

2 Pcs. Eco ball valve. female thread. full bore. lock handle

MAT. 1.4408

Size	Code	Dimensions [mm]				KG
		L	D	H	W	
1/4"	605-014	49.0	11.6	48.0	95.0	0.220
3/8"	605-038	49.0	12.7	48.0	95.0	0.200
1/2"	605-012	57.0	15.0	48.5	95.0	0.208
3/4"	605-034	65.0	20.0	54.5	108.0	0.319
1"	605-100	77.0	25.0	58.0	108.0	0.490
1 1/4"	605-114	90.0	32.0	70.5	130.0	0.792
1 1/2"	605-112	98.0	38.0	76.0	130.0	1.500
2"	605-200	121.0	50.0	83.5	165.0	2.057
2 1/2"	605-212	145.0	65.0	125.0	215.0	4.280
3"	605-300	166.0	80.0	136.0	215.0	6.400
4"	605-400	198.0	100.0	165.0	270.0	16.200

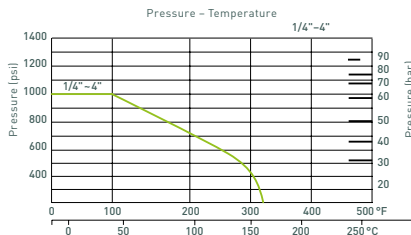


Nº.	Parts	QTY	Material
1	Body	1	ASTM - A351 - CF8M
2	Cap	1	ASTM - A351 - CF8M
3	Ball	1	ASTM - A351 - CF8M
4	Ball seat	2	PTFE
5	Joint gasket	1	PTFE
6	Stem	1	AISI 316
7	Thrust washer	1	PTFE
8	Stem packing	1	PTFE
9	Gland nut	1	AISI 304
10	Handle	1	AISI 304
11	Stem washer	1	AISI 304
12	Stem nut	1	AISI 304
13	Plastic cover	1	PLASTIC

1/4"-4" 3 PCS BALL VALVE

TYPE 607

- Butt weld ends, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63



607

3 Pcs. ball valve. butt weld ends. full bore. lock handle

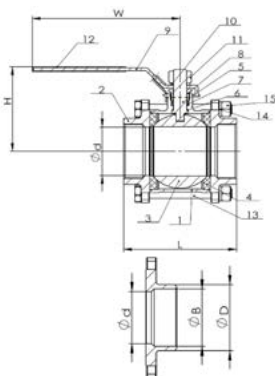
MAT. 1.4408

Size	Code	Dimensions [mm]						KG
		d	L	H	W	B	D	
ISO TOP								
1/4" (13.5)	607-014	11.6	59.0	51.0	95.0	12.0	18.0	0.320
3/8" (17.2)	607-038	12.7	59.0	51.0	95.0	14.0	18.0	0.330
DIN 3202 M3								
1/2" (21.3)	607-012	15.0	75.0	55.0	95.0	15.5	21.3	0.449
3/4" (26.9)	607-034	20.0	80.0	59.0	110.0	21.1	26.9	0.635
1" (33.7)	607-100	25.0	90.0	73.0	135.0	27.3	33.7	0.910
1 1/4" (42.4)	607-114	32.0	110.0	78.0	135.0	35.2	42.4	1.505
1 1/2" (48.3)	607-112	38.0	120.0	91.0	147.0	41.1	48.3	2.065
2" (60.3)	607-200	50.0	140.0	99.0	165.0	52.3	60.3	3.150
2 1/2" (76.1)	607-212	65.0	185.0	130.0	215.0	65.0	76.1	6.685
3" (88.9)	607-300	80.0	205.0	142.0	215.0	80.0	88.9	9.790
4" (114.3)	607-400	100.0	240.0	174.0	310.0	102.0	115.0	20.320

DIN3202 M3 articles

Nº.	Parts	QTY	Material
1	Body	1	ASTM - A351 - CF8M
2	Cap	2	ASTM - A351 - CF8M
3	Ball	1	ASTM - A351 - CF8M
4	Ball seat	2	PTFE
5	Stem	1	AISI 316
6	Thrust washer	1	PTFE
7	Stem packing	2	PTFE
8	Gland nut	1	AISI 304
9	Handle	1	AISI 304
10	Stem washer	1	AISI 304
11	Stem nut	1	AISI 304
12	Plastic cover	1	PLASTIC
13	Bolt	6	AISI 304
14	Spring washer	6	AISI 304
15	Hex nut	6	AISI 304

Technical drawing for DIN3202 M3 articles



ISO TOP articles*

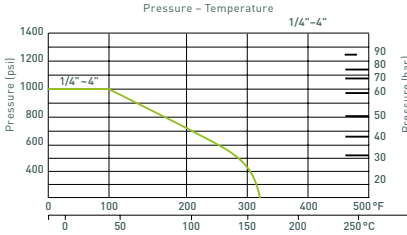
Nº.	Parts	QTY	Material
1	Bolt	4-6	AISI 304
2	Ball seat	2	PTFE
3	Body	1	ASTM - A351 - CF8M
4	Ball	1	ASTM - A351 - CF8M
5	Joint gasket	2	PTFE
6	Cap	2	ASTM - A351 - CF8M
7	Spring washer	4-6	AISI 304
8	Hex nut	4-6	AISI 304
9	Thrust washer	1	PTFE
10	Stem	1	AISI 316
11	Stem packing	1	PTFE
12	Gland nut	1	AISI 304
13	Handle	1	AISI 304
14	Stem washer	1	AISI 304
15	Stem nut	1	AISI 304
16	Lock device	1	AISI 304
17	Plastic cover	1	PLASTIC

*For the technical drawing of these products please contact our office.

TYPE 608

1/4"-4" 3 PCS BALL VALVE

- Female thread, full bore and lock handle
- Blow-out proof stem
- Investment casting body
- Max. pressure stage: PN 63



608

3 Pcs. ball valve. female thread. full bore. lock handle

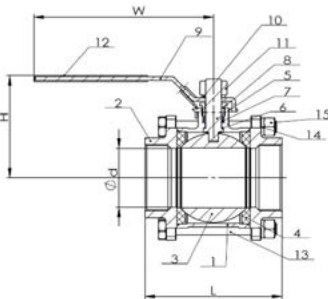
MAT. 1.4408

Size	Code	Dimensions [mm]				KG
		d	L	H	W	
ISO TOP						
1/4"	608-014	11.6	59.0	51.0	95.0	0.320
3/8"	608-038	12.7	59.0	51.0	95.0	0.330
DIN 3202 M3						
1/2"	608-012	15.0	75.0	55.0	95.0	0.474
3/4"	608-034	20.0	80.0	59.0	110.0	0.651
1"	608-100	25.0	90.0	73.0	135.0	0.911
1 1/4"	608-114	32.0	110.0	78.0	135.0	1.466
1 1/2"	608-112	38.0	120.0	91.0	147.0	2.073
2"	608-200	50.0	140.0	99.0	165.0	3.492
2 1/2"	608-212	65.0	185.0	130.0	215.0	6.564
3"	608-300	80.0	205.0	142.0	215.0	10.480
4"	608-400	100.0	240.0	174.0	310.0	20.470

DIN3202 M3 articles

Nº.	Parts	QTY	Material
1	Body	1	ASTM - A351 - CF8M
2	Cap	2	ASTM - A351 - CF8M
3	Ball	1	ASTM - A351 - CF8M
4	Ball seat	2	PTFE
5	Stem	1	AISI 316
6	Thrust washer	1	PTFE
7	Stem packing	2	PTFE
8	Gland nut	1	AISI 304
9	Handle	1	AISI 304
10	Stem washer	1	AISI 304
11	Stem nut	1	AISI 304
12	Plastic cover	1	PLASTIC
13	Bolt	6	AISI 304
14	Spring washer	6	AISI 304
15	Hex nut	6	AISI 304

Technical drawing for DIN3202 M3 articles



ISO TOP articles*

Nº.	Parts	QTY	Material
1	Bolt	4-6	AISI 304
2	Ball seat	2	PTFE
3	Body	1	ASTM - A351 - CF8M
4	Ball	1	ASTM - A351 - CF8M
5	Joint gasket	2	PTFE
6	Cap	2	ASTM - A351 - CF8M
7	Spring washer	4-6	AISI 304
8	Hex nut	4-6	AISI 304
9	Thrust washer	1	PTFE
10	Stem	1	AISI 316
11	Stem packing	1	PTFE
12	Gland nut	1	AISI 304
13	Handle	1	AISI 304
14	Stem washer	1	AISI 304
15	Stem nut	1	AISI 304
16	Lock device	1	AISI 304
17	Plastic cover	1	PLASTIC

*For the technical drawing of these products please contact our office.

TYPE 609

1/2"-1" 1 PC BIBCOCK WITH FULL BORE

- full bore with lock handle and hose connection
- Jointing male thread DIN EN 10226-1 / ISO 7/1
- Media: Water warm and cold
- max. operating pressure: PN 16

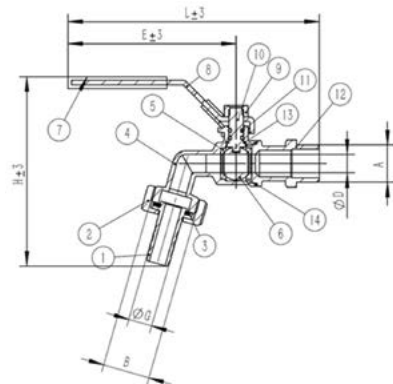


609

1 PC BIBCOCK WITH FULL BORE, LOCK HANDLE AND HOSE CONNECTION

Size		Code	Dimensions [mm]							KG
DN	Size		L	E	H	D	A	G	B	
15	1/2"	609-012	138	90	103	10,0	1/2"	13,0	3/4"	0.232
20	3/4"	609-034	143	90	115	12,8	3/4"	20,0	1"	0.344
25	1"	609-100	145	90	126	15,0	1"	25,4	1 1/4"	0.507

Nº.	Parts	QTY	Material
1	Hose	1	ASTM - A351 - CF8M
2	Hose nut	1	ASTM - A351 - CF8M
3	Gasket	1	NBR
4	Body	1	ASTM - A351 - CF8M
5	Seat	2	PTFE
6	Ball	1	AISI 316
7	Handle cover	1	Plastic
8	Handle	1	AISI 304
9	Nut	1	AISI 304
10	Stem	1	AISI 316
11	O-Ring	2	NBR
12	Connection Cap	1	ASTM - A351 - CF8M
13	Thrust washer	1	PTFE
14	Joint Gasket	1	PTFE



TYPE 610

1/2"-2" Y-STRAINER MADE OF STAINLESS STEEL

- Y-Strainer with threaded female ends DIN EN 10226-1 / ISO 7-1
- Design: angle seat
- Media: Water warm and cold
- Operating temperature: -20°C - + 180°C
- Operating pressure: max. 40 bar
- Filter screen MW 1 mm
- Screen insert with sealing as spare part available



610

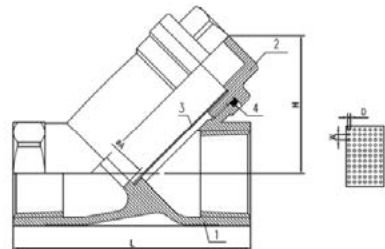
Y-STRAINER WITH THREADED FEMALE ENDS

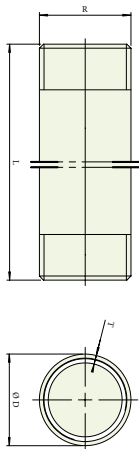
Size	Code	Dimensiones [mm]					
		A	L	D	W	H	kg/pc
1/2"	610-012	15	65	1	2	39	0.225
3/4"	610-034	20	80	1	2	45	0.322
1"	610-100	25	90	1	2	52	0.540
1 1/4"	610-114	32	105	1	2	58	0.723
1 1/2"	610-112	40	120	1	2	72	1.020
2"	610-200	50	140	1	2	80	1.426

SPARE PART SET SEALING + FILTER SCREEN

For size Y-Strainer	Code
1/2"	610-012E
3/4"	610-034E
1"	610-100E
1 1/4"	610-114E
1 1/2"	610-112E
2"	610-200E

Nº.	Parts	QTY	Material
1	Body	1	CF8 - CF8M
2	Cap	1	CF8 - CF8M
3	Screen	1	AISI 316
4	Gasket	1	PTFE



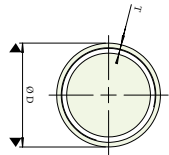
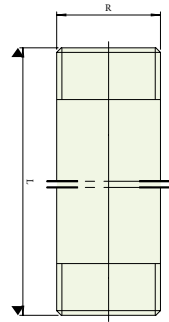


BARREL NIPPLE		MAT. 1.4404
Thread ISO 7/1 (R) x Length (L)	Pipe-outer- \varnothing (D) x Wall thickness (T)	Code
1/8" x 40 mm	10.2 x 2.0 mm	6070.040.01
1/8" x 60 mm	10.2 x 2.0 mm	6070.060.01
1/8" x 100 mm	10.2 x 2.0 mm	6070.100.01
1/4" x 30 mm	13.5 x 2.3 mm	6070.030.02
1/4" x 40 mm	13.5 x 2.3 mm	6070.040.02
1/4" x 60 mm	13.5 x 2.3 mm	6070.060.02
1/4" x 80 mm	13.5 x 2.3 mm	6070.080.02
1/4" x 100 mm	13.5 x 2.3 mm	6070.100.02
1/4" x 120 mm	13.5 x 2.3 mm	6070.120.02
1/4" x 150 mm	13.5 x 2.3 mm	6070.150.02
1/4" x 200 mm	13.5 x 2.3 mm	6070.200.02
3/8" x 40 mm	17.2 x 2.3 mm	6070.040.03
3/8" x 60 mm	17.2 x 2.3 mm	6070.060.03
3/8" x 80 mm	17.2 x 2.3 mm	6070.080.03
3/8" x 100 mm	17.2 x 2.3 mm	6070.100.03
3/8" x 120 mm	17.2 x 2.3 mm	6070.120.03
3/8" x 150 mm	17.2 x 2.3 mm	6070.150.03
3/8" x 200 mm	17.2 x 2.3 mm	6070.200.03
1/2" x 40 mm	21.3 x 2.6 mm	6070.040.04
1/2" x 60 mm	21.3 x 2.6 mm	6070.060.04
1/2" x 80 mm	21.3 x 2.6 mm	6070.080.04
1/2" x 100 mm	21.3 x 2.6 mm	6070.100.04
1/2" x 120 mm	21.3 x 2.6 mm	6070.120.04
1/2" x 150 mm	21.3 x 2.6 mm	6070.150.04
1/2" x 200 mm	21.3 x 2.6 mm	6070.200.04
1/2" x 300 mm	21.3 x 2.6 mm	6070.300.04
3/4" x 40 mm	26.9 x 2.6 mm	6070.040.05
3/4" x 60 mm	26.9 x 2.6 mm	6070.060.05
3/4" x 80 mm	26.9 x 2.6 mm	6070.080.05
3/4" x 100 mm	26.9 x 2.6 mm	6070.100.05
3/4" x 120 mm	26.9 x 2.6 mm	6070.120.05
3/4" x 150 mm	26.9 x 2.6 mm	6070.150.05
3/4" x 200 mm	26.9 x 2.6 mm	6070.200.05
3/4" x 300 mm	26.9 x 2.6 mm	6070.300.05
1" x 40 mm	33.7 x 3.2 mm	6070.040.06
1" x 60 mm	33.7 x 3.2 mm	6070.060.06
1" x 80 mm	33.7 x 3.2 mm	6070.080.06
1" x 100 mm	33.7 x 3.2 mm	6070.100.06
1" x 120 mm	33.7 x 3.2 mm	6070.120.06
1" x 150 mm	33.7 x 3.2 mm	6070.150.06
1" x 200 mm	33.7 x 3.2 mm	6070.200.06
1" x 300 mm	33.7 x 3.2 mm	6070.300.06

BARREL NIPPLE

MAT. 1.4404

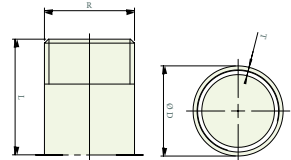
Thread ISO 7/1 (R) x Length (L)	Pipe-outer- \emptyset (D) x Wall thickness (T)	Code
1 1/4" x 40 mm	42.4 x 3.2 mm	6070.040.07
1 1/4" x 60 mm	42.4 x 3.2 mm	6070.060.07
1 1/4" x 80 mm	42.4 x 3.2 mm	6070.080.07
1 1/4" x 100 mm	42.4 x 3.2 mm	6070.100.07
1 1/4" x 120 mm	42.4 x 3.2 mm	6070.120.07
1 1/4" x 150 mm	42.4 x 3.2 mm	6070.150.07
1 1/4" x 200 mm	42.4 x 3.2 mm	6070.200.07
1 1/2" x 40 mm	48.3 x 3.2 mm	6070.040.08
1 1/2" x 60 mm	48.3 x 3.2 mm	6070.060.08
1 1/2" x 80 mm	48.3 x 3.2 mm	6070.080.08
1 1/2" x 100 mm	48.3 x 3.2 mm	6070.100.08
1 1/2" x 120 mm	48.3 x 3.2 mm	6070.120.08
1 1/2" x 150 mm	48.3 x 3.2 mm	6070.150.08
1 1/2" x 200 mm	48.3 x 3.2 mm	6070.200.08
2" x 40 mm	60.3 x 3.6 mm	6070.040.09
2" x 60 mm	60.3 x 3.6 mm	6070.060.09
2" x 80 mm	60.3 x 3.6 mm	6070.080.09
2" x 100 mm	60.3 x 3.6 mm	6070.100.09
2" x 120 mm	60.3 x 3.6 mm	6070.120.09
2" x 150 mm	60.3 x 3.6 mm	6070.150.09
2" x 200 mm	60.3 x 3.6 mm	6070.200.09
2 1/2" x 100 mm	76.1 x 3.6 mm	6070.100.10
2 1/2" x 120 mm	76.1 x 3.6 mm	6070.120.10
2 1/2" x 150 mm	76.1 x 3.6 mm	6070.150.10
3" x 120 mm	88.9 x 4.0 mm	6070.120.11
3" x 150 mm	88.9 x 4.0 mm	6070.150.11
3" x 200 mm	88.9 x 4.0 mm	6070.200.11
4" x 100 mm	114.3 x 4.5 mm	6070.100.12
4 x 120 mm	114.3 x 4.5 mm	6070.120.12



WELDING NIPPLE, ONE SIDE WELDING

MAT. 1.4404

Thread ISO 7/1 (R) x Length (L)	Pipe-outer- \emptyset (D) x Wall thickness (T)	Code
1/8" x 30 mm	10.2 x 2.0 mm	6072.030.01
1/4" x 30 mm	13.5 x 2.3 mm	6072.030.02
3/8" x 30 mm	17.2 x 2.3 mm	6072.030.03
1/2" x 35 mm	21.3 x 2.6 mm	6072.035.04
3/4" x 40 mm	26.9 x 2.6 mm	6072.040.05
1" x 40 mm	33.7 x 3.2 mm	6072.040.06
1 1/4" x 50 mm	42.4 x 3.2 mm	6072.050.07
1 1/2" 50 mm	48.3 x 3.2 mm	6072.050.08
2" x 50 mm	60.3 x 3.6 mm	6072.050.09
2 1/2" x 60 mm	76.1 x 3.6 mm	6072.060.10
3" x 70 mm	88.9 x 4.0 mm	6072.070.11
4 x 80 mm	114.3 x 4.5 mm	6072.080.12

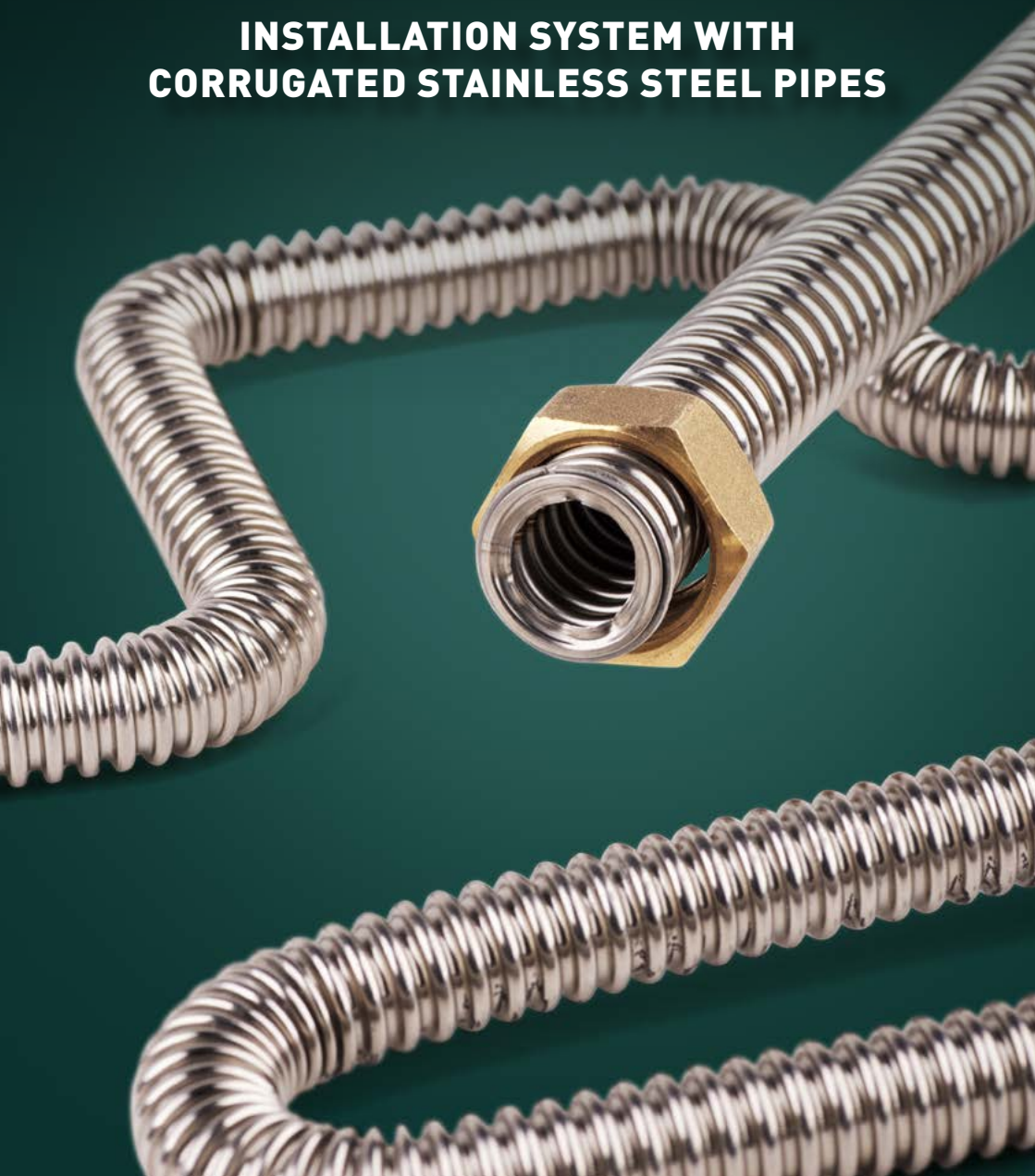


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gebo super.vario

**INSTALLATION SYSTEM WITH
CORRUGATED STAINLESS STEEL PIPES**



GEBO SUPER VARIO



GEBO SuperVario is a product line for making hydraulic connections using flexible corrugated tubes of AISI 316L stainless steel.

MAIN FEATURES OF GEBO SUPER VARIO PIPES

- designed for water systems; stainless steel type 1.4404 (AISI 316L) is extremely **resistant to corrosion, glycol and aggressive chemical environments**, and requires no additional protection;
- Owing to its elasticity, the pipe is very easy to form, which makes it easier to install, especially in so-called "difficult conditions"; it is easy to cut, bend and straighten in comparison with AISI 304 steel;
- **corrugated tubes are widely used in water and heating systems**, e.g.: in connections with the system of: boilers, furnaces, heat pumps, tanks, heat exchangers, air conditioners, solar systems and other water devices, and also as an alternative to non-durable flexible hoses in steel braid;
- due to the characteristics of AISI 316 steel, **GEBO SuperVario corrugated tubes can be used in more aggressive indoor environments** such as swimming pools and buildings with special hygiene requirements (hospitals, laboratories and kitchen facilities of canteens or restaurants).
- the tube has a **hygienic certificate** of the National Institute of Hygiene with an approval for drinking water.

In 2019, the GEBO Super Vario tube system received an award in the "Product of the Year" category in the "Recommended by Polish plumbers" plebiscite initiated by the National Association of Plumbing Companies.



CORRUGATED TUBE MATERIAL: austenitic steel type 1.4404 (AISI 316L), according to EN 10088-2; size DN12-DN50

TUBE OPERATING TEMPERATURE: -270°C – max. 600°C

OPERATING TEMPERATURE OF KLINGERSIL SEALS C-4400: -50°C to 150°C - continuous operation

OPERATING PRESSURE: 3-21 bar - according to the table below, in line with the requirements of EN ISO 10380

QUALITY CONTROL: according to requirements of EN ISO 10380

CERTIFICATES: National certificates



DN	Code	Article description	Length [m]
12	SVW12.30	Pipe DN12 (1/2") 30 m	30
	SVW12.4	Pipe DN12 (1/2") 4 m	4
16	SVW16.30	Pipe DN16 (3/4") 30 m	30
	SVW16.4	Pipe DN16 (3/4") 4 m	4
20	SVW20.30	Pipe DN20 (1") 30 m	30
	SVW20.4	Pipe DN20 (1") 4 m	4
25	SVW25.30*	Pipe DN25 (1 1/4") 30 m	30
	SVW25.4*	Pipe DN25 (1 1/4") 4 m	4
32	SVW32.30*	Pipe DN32 (1 1/2") 30 m	30
	SVW32.4*	Pipe DN32 (1 1/2") 4 m	4

*- to special order

Technical specification:

DN	Dimension [mm]		Acceptable deviation	Bending radius	Operating pressure at 20 °C	Nominal pressure	Weight (+/-) 10%	Number of corrugations per 100 mm
	[mm]	d1						
12	12.5	16.5	(+/-) 0.2	20	21	20	0.086	25
16	16.3	21.4	(+/-) 0.2	25	16	16	0.156	22
20	20.5	26.5	(+/-) 0.2	30	10	10	0.226	21
25	25.4	31.8	(+/-) 0.4	35	10	10	0.255	19
32	34.6	41.1	(+/-) 0.4	40	4	4	0.335	21

Product not suitable for dynamic loads

AISI 316L STAINLESS STEEL PIPE IN 9MM RUBBER ISOLATION, DIAMETER 35MM



DN	Code	Article description	Length [m]
25	SVWI25.2	Corrugated pipe in isolation DN25 (1 1/4") 2 m	2
	SVWI25.4	Corrugated pipe in isolation DN25 (1 1/4") 4 m	4
	SVWI25.15	Corrugated pipe in isolation DN25 (1 1/4") 15 m	15

Product not suitable for dynamic loads

SOLAR SYSTEMS

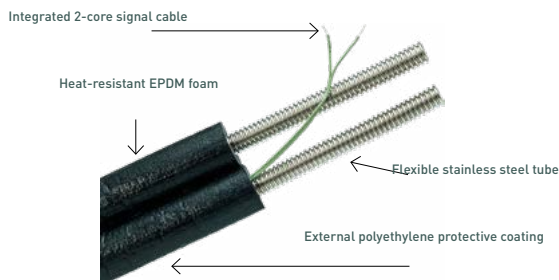
SOLAR TUBE

Double flexible corrugated tubes for the installation of solar systems reduce operating time and ensure that there are no leaks in the system. Strong polyethylene coating provides protection against mechanical damage. It has longitudinal perforation, which allows for easy separation of tubes without damaging the insulation. The insulation is made of synthetic closed-cell EPDM foam, which has excellent resistance to high temperature, weather conditions and UV radiation.

- **MATERIAL:** Flexible tubes of stainless steel 1.4404 – AISI 316L
- **INSULATION:** Heat-resistant EPDM foam
- **INSULATION THICKNESS:** 13 mm
- **TEMPERATURE RESISTANCE OF THE INSULATION:** +150 °C for continuous operation (+175 °C for short-term loads)
- **INSTALLATION:** no special or additional tools required
- **TWO-CORE SIGNAL CABLE:** silicone sheath resistant to temperatures up to +180 °C
- **HEAT CONDUCTION:** Heat conduction values
 - λ (0 °C) = 0.038 W/mK
 - λ (40 °C) = 0.042 W/mK
- **REACTION TO FIRE:** self-extinguishing, prevents fire from spreading; does not produce flaming droplets in case of fire
- **VAPOUR PERMEABILITY:** $\mu \geq 4.500$ (ISO 12572)

DN	Code	Article description	Length [m]
16	SVS16.25.2	2 in 2 Double solar tube DN16	25
20	SVS20.25.2*	2 in 2 Double solar tube DN20	25

* to special order, ask for other sizes



SOLAR KIT

Code	Article description
SVS16SET	Solar kit 3/4" (DN16) - 4 nuts with seals and rings, 2 nipples M/M
SVS20SET*	Solar kit 1" (DN20) - 4 nuts with seals and rings, 2 nipples M/M

* to special order, ask for other sizes

PLUMBER'S CASE

**The plumber's case contains:**

- 2.5 mm L-type wrench
- Cutting tool* - 1 piece
- 1/2" (DN12) nuts with seals and rings - 10 pieces
- 3/4" (DN16) nuts with seals and rings - 10 pieces
- 1" (DN20) nuts with seals and rings - 10 pieces
- Exchangeable DN12 head for flanging tool - 1 piece
- Exchangeable DN16 head for flanging tool - 1 piece
- Exchangeable DN20 head for flanging tool - 1 piece
- Flanging tool body - 1 piece

Code	Article description
SVT12	Exchangeable DN12 head
SVT16	Exchangeable DN16 head
SVT20	Exchangeable DN20 head
SVT25	Exchangeable DN25 head
SVT32	Exchangeable DN32 head
SVTBODY	Flanging tool body for connection with exchangeable heads DN12-25
SVTBODY32	Flanging tool body in size DN32
SVTCUT	Cutting tool*

* with built-in deburrer, operating range 3-35 mm

NUTS AND NIPPLES



Code	Article description
SV12SET01	Brass nut 1/2 (DN12), female, with flat seal KlingerSil C-4400 and steel ring - 10 pieces
SV16SET02	Brass nut 3/4 (DN16), female, with flat seal KlingerSil C-4400 and steel ring - 10 pieces
SV20SET03	Brass nut 1" (DN20), female, with flat seal KlingerSil C-4400 and steel ring - 10 pieces
SV25SET04*	Brass nut 1 1/4" (DN25), female, with flat seal KlingerSil C-4400 and steel ring - 10 pieces
SV32SET05*	Brass nut 1 1/2" (DN32), female, with flat seal KlingerSil C-4400 and steel ring - 10 pieces
SV16SET0102	Reducing nut 3/4" x 1/2", female, with KlingerSil seal C-4400 3/4" x 1/2" and 1/2" ring for pipe DN12 - 10 pieces

* - to special order, ask for other sizes

RINGS AND SEALS FOR GEBO NUTS

Code	Article description
SV12SR	Ring for 1/2" nut - 10 pieces
SV16SR	Ring for 3/4" nut - 10 pieces
SV20SR	Ring for 1" nut - 10 pieces
SV12GASKET	Seal for 1/2" nut - 10 pieces
SV16GASKET	Seal for 3/4" nut - 10 pieces
SV20GASKET	Seal for 1" nut - 10 pieces
SV1612GASKET	Seal for 3/4" x 1/2" reducing nut - 10 pieces

OTHER PRODUCTS FOR CONNECTIONS - BRASS NIPPLES

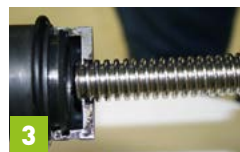


Code	Article description
SVN11.0101	Brass nipple 1/2" x 1/2", M/M
SVN11.0202	Brass nipple 3/4" x 3/4", M/M
SVN11.0303	Brass nipple 1" x 1", M/M
SVN11.0404*	Brass nipple 1 1/4" x 1 1/4", M/M

* - to special order, ask for other sizes

ASSEMBLY INSTRUCTIONS

1. Cut the tube evenly around its axis to the desired length by setting the cutting tool blade between the corrugations (fig. 1)
2. Put the nut on the tube (fig. 2)
3. Remove the upper part of the flanging tool head and place the tube in the lower part of the head at a distance of 1 corrugation from the end of the tube (fig. 3).
4. Replace the upper part of the head (fig. 4) and secure it with the rubber O-ring (fig. 5).
5. Using 10-15 strokes, form a smooth and flat collar (fig. 6 and 7)
6. Pull the rubber O-ring off, open the head and remove the pipe (fig. 8).
7. Smooth the edge of the tube (fig. 9) with the deburrer (fig. 10) and check that the edges are sufficiently smooth and clean (fig. 11).
8. Place the ring behind the formed collar (fig. 12) and clamp it around the tube (fig. 13).
9. After the seal is placed (fig. 14), the connection is ready (fig. 15).



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gebo valves

ANGLE VALVES
SHUT-OFF VALVES

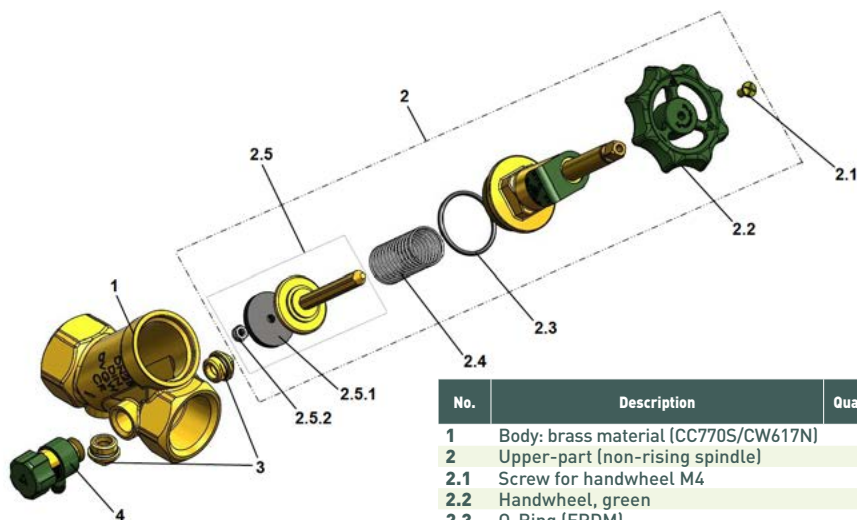


SLANTED VALVES

The 1603 valve (series E, type A) is a combined free-flow and backflow preventer valve. It is a mechanically operated safety device, equipped with a closing mechanism allowing water to flow in one direction only which is shown by a symbol on the body. It opens automatically when the pressure on the network side is greater than the pressure on the installation side. If the pressure on the outlet side is higher than that on the inlet side, or there is no flow, the valve is closed automatically with a spring.

Valves 1603 and 1501 smoothly close or shut off the water flow. They are manufactured in the EU according to the following standards: DIN EN 1213 (1501), DIN EN 13959 (1603).

KFR SLANTED CHECK AND SHUT-OFF VALVE, CONTROLLABLE, WITH DRAIN AND A NON-RISING STEM, TYPE 1603 - CROSS-SECTION



No.	Description	Quantity
1	Body: brass material (CC770S/CW617N)	1
2	Upper-part (non-rising spindle)	1
2.1	Screw for handwheel M4	1
2.2	Handwheel, green	1
2.3	O-Ring (EPDM)	1
2.4	Spring (non-rising spindle)	1
2.5	Valve cone	1
2.5.1	Flat seat (EPDM)	1
2.5.2	Nut	1
3	Plug	1/2
4	Drain valve, rotatable outlet	1

Brass material in contact with drinking water: in compliance with the 4MS Common Composition list for metallic materials used for products in contact with drinking water.

SPECIAL FEATURES

- Non-rising stem - the knob remains at the same level regardless of the degree of opening/closing
- Drainage hole and two inspection holes
- Flow opening equal to the nominal diameter
- Possibility of open flow surveillance

ASSEMBLY GUIDELINES

In horizontal lines all shut-off valves must be installed with the upper-part upwards. For vertical lines the flow direction of the water must be from the bottom up.

TYPE 1501

SLANTED SHUT-OFF VALVE WITH NON-RISING STEM

The GEBO 1501 slanted shut-off valve with a non-rising stem smoothly closes or cuts off water flow. It is fitted with a non-rising stem, i.e. the knob remains at the same level regardless of the degree of opening/closing. The valve enables the protection of the water supply network against pollution caused by back-flow.



TYPE 1603

**SLANTED CHECK ANTI-POLLUTION VALVE, CONTROLLABLE,
WITH DRAIN AND A NON-RISING STEM**

The anti-pollution valve is designed to protect drinking water from the possibility of secondary contamination, i.e. caused by back-flow. It is fitted with a closing mechanism allowing water to flow in one direction only. It opens automatically when the pressure on the network side is greater than the pressure on the installation side. If the pressure on the outlet side is higher than that on the inlet side, or there is no flow, the valve is closed automatically with a spring.

Such a backflow can occur as a result of:

- a pressure drop in the water supply network (cracks in pipes, operation of pumps, high consumption),
- a back-pressure occurring outside the water supply system, at the consumer.



TECHNICAL DATA OF THE VALVES:

- Pressure: PN 16
- Temperature: up to 90°C

DN	Thread	Code	
		Valve 1501	Valve 1603
15	1/2"	BV150115	BV160315
20	3/4"	BV150120	BV160320
25	1"	BV150125	BV160325
32	1 1/4"	BV150132	BV160332
40	1/2"	BV150140	BV160340
50	2"	BV150150	BV160350
65	2 1/2"	BV150165	BV160365
80	3"	BV150180	BV160380

On special request, GEBO also offers spare parts from the GEBO Valves series: drain valves; plugs; heads with lubrication chamber for 1501 and 1603 valves, and knobs. Detailed information is available in the GEBO price list.

TYP 1300

STRAIGHT, SHUT-OFF VALVE WITH RISING SPINDLE



Globe valves, straight, type 1300 are designed for shutting off the installation of water, including drinking water in case of maintenance or repairs. In the state of delivery the valves are fully open. To stop the flow of water, turn the the spindle clockwise. To obtain full flow, turn the spindle counterclockwise until it to the stop. The valves operate in two positions only:

- fully open
- fully closed

Valves 1300 are certified by DVGW (DN15-DN50) and Hygienic Attestation of PZH (DN10-DN80)

TECHNICAL DATA OF THE VALVES:

- Media: water, drinking water
- Pressure: PN 16
- Temperature: up to 90 °C
- Rp female threads, in accordance with DIN EN 10266-1 (ISO 7/1)

DN	Thread	Code
		Valve 1300
15	1/2"	BV1300150
20	3/4"	BV1300200
25	1"	BV1300250
32	1 1/4"	BV1300320
40	1 1/2"	BV1300400
50	2"	BV1300500
65	2 1/2"	BV1300650
80	3"	BV1300800

CERTIFICATES

Products from the GEBO Valve range are certified:

- by PZH
- by DVGW

TIPO 1

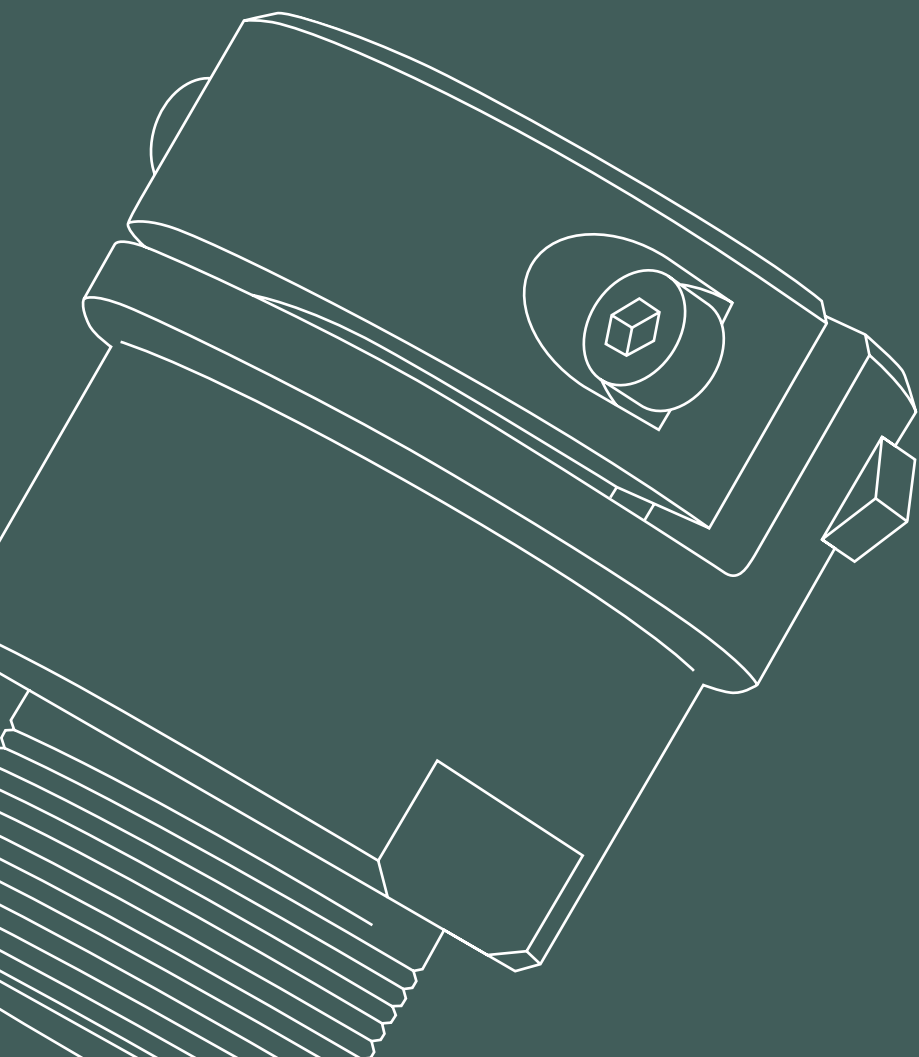
ELECTROVÁLVULAS



2/2-way closed solenoid valves for fluids
Pilot-operated
Including coil and cable head
Spring-coupled diaphragm system
High flow rate due to compact design
Damped closure, low noise level
EPDM seal, KTW and W270 certified, suitable for drinking water
Body made of brass CW617N, according to DIN-EN 50930-6
Permissible pressure 0.1 - 10 bar, max. working temperature 100°C
Safety class IP65 EU MANUFACTURED IN EU

TECHNICAL DATA OF SOLENOID VALVES:

Ø measured	value kV m3/h	connection voltage	Current	Art.-Nr
3/8"	1,9	24V / 50Hz	alternating	005310 00
3/8"	1,9	230V / 50Hz AC	alternating	005311 00
3/8"	1,9	24V / DC	continuous	005312 00
1/2"	1,9	24V / 50Hz	alternating	005313 00
1/2"	1,9	230V / 50Hz AC	alternating	005314 00
1/2"	1,9	24V / DC	continuous	005315 00
1/2"	3,6	24V / 50Hz	alternating	005316 00
1/2"	3,6	230V / 50Hz AC	alternating	005317 00
1/2"	3,6	24V / DC	continuous	005318 00
3/4"	3,6	24V / 50Hz	alternating	005319 00
3/4"	3,6	230V / 50Hz AC	alternating	005320 00
3/4"	3,6	24V / DC	continuous	005321 00
1"	8,3	24V / 50Hz	alternating	005322 00
1"	8,3	230V / 50Hz AC	alternating	005323 00
1"	8,3	24V / DC	continuous	005324 00
1 1/4"	11	24V / 50Hz	alternating	005325 00
1 1/4"	11	230V / 50Hz AC	alternating	005326 00
1 1/4"	11	24V / DC	continuous	005327 00
1 1/2"	30	24V / 50Hz	alternating	005328 00
1 1/2"	30	230V / 50Hz AC	alternating	005329 00
1 1/2"	30	24V / DC	continuous	005330 00
2"	30	24V / 50Hz	alternating	005331 00
2"	30	230V / 50Hz AC	alternating	005332 00
2"	30	24V / DC	continuous	005333 00



mini**gebo**

**COMPACT ADAPTER WITH CLAMP CONNECTION
FOR HEATING CONNECTIONS
AND DRINKING WATER INSTALLATIONS**





**SERIES 303 - COMPACT ADAPTER WITH
MALE THREAD MADE OF BRASS**

S. 193

For heating and drinking water installations



**SERIES 304 - COMPACT ADAPTER WITH
MALE THREAD MADE OF NICKEL-PLATED BRASS**

S. 193

For radiator connections

THE NEW COMPACT ADAPTER FROM GEBO - THE INNOVATION FOR DRINKING WATER AND HEATING INSTALLATIONS

For heating and drinking water installations with steel pipes according to DIN EN 10255 and DIN EN 10220 Series 1

Space-saving and uncomplicated:

The compact adapter with clamp connection for connecting radiators and installations in the drinking water area as an innovation for everyday work.

minigebo - quick & easy installation

The adapter is designed to be installed with the aid of an Allen key or suitable bit screwdriver. The work with bulky pressing pliers, water pump pliers or similar becomes obsolete.

Thus, the compact adapters can be tightened comfortably, space-savingly and handily via two screws on the head of the minigebo.

- No more lengthy & nerve-racking repair work on radiators and drinking water pipes.
- Repairs to tightly installed water pipes are made possible without any problems
- No welding or threading
- Tested and accepted for permanent use

Assembly aids/tools:

Allen key

Size 3 for Minigebo 3/8", 1/2" and 3/4"
Size 4 for Minigebo 1"

Bit insert

HW3 for Minigebo 3/8", 1/2" and 3/4"
HW4 for Minigebo 1"



The fittings are suitable for connecting pipes with smooth ends. The Minigebo is suitable for permanent use in water-bearing pipes. A DVGW type examination certificate has been issued for the 303 series on the basis of DVGW worksheet W534 (brass pipe fittings for drinking water installation systems for the cold water sector in connection with hot-dip galvanised steel pipes according to DIN EN 10255). In addition, the durability of the product was separately proven by a successfully passed temperature cycle test.

- Made of brass for heating and drinking water installations
- Nickel-plated for radiator connections
- Maximum pressure stage 10 bar
- Series 303 with DVGW Reg No.: DW-8511DM0294

Range of application:

Installation for drinking water warm and cold (brass version only) and heating water (brass and nickel-plated brass version)

Operating pressure and temperature:

Drinking water: cold water up to +25°C/max. 10 bar and warm water up to +70°C/max. 6 bar

Heating water: up to +70°C/max. 6 bar

Medium:

Drinking water, heating water

Pipe type:

Steel pipes according to DIN EN 10255 and DIN EN 10220 series 1

Dimensions:

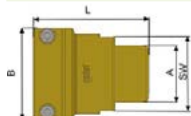
Pipe outer-Ø nominal in mm for the clamping side:

17.2 (3/8")	21.3 (1/2")	26.9 (3/4")	33.7 (1")
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Joining thread ISO 7/1 or DIN EN 10226-1:

1/2"	1/2"	3/4"	1"
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Code	Description	Weight (kg)
01.303.00.0001	minigebo 17.2 mm (3/8") x R 1/2" with male thread, series 303	0.175
01.303.00.01	minigebo 21.3 mm (1/2") x R 1/2" with male thread, series 303	0.196
01.303.00.02	minigebo 26.9 mm (3/4") x R 3/4" with male thread, series 303	0.267
01.303.00.03	minigebo 33.7 mm (1") x R 1" with male thread, series 303	0.364
01.304.00.0001	minigebo 17.2 mm (3/8") x R 1/2" with male thread, nickel-plated, series 304	0.175
01.304.00.01	minigebo 21.3 mm (1/2") x R 1/2" with male thread, nickel-plated, series 304	0.196
01.304.00.02	minigebo 26.9 mm (3/4") x R 3/4" with male thread, nickel-plated, series 304	0.267
01.304.00.03	minigebo 33.7 mm (1") x R 1" with male thread, nickel-plated, series 304	0.364



Pipe outer Ø clamping side mm	A joining thread	B (mm)	L (mm)	SW (mm)	Nm clamping side	kg/pc net
17.2 (3/8")	R 1/2"	34	54	26	4	0.175
21.3 (1/2")	R 1/2"	39	54	30	4	0.196
26.9 (3/4")	R 3/4"	45	56.5	36	4	0.267
33.7 (1")	R 1"	54	60	41	6	0.364

MINIGEBO NOW ALSO IN A SET

Our minigebo is now also available as a complete set.

Case contents:

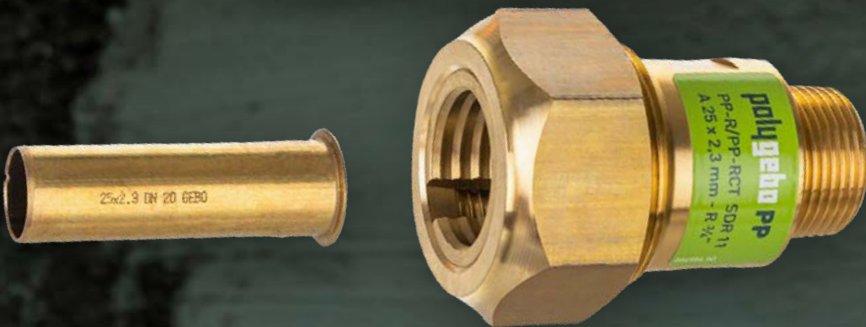
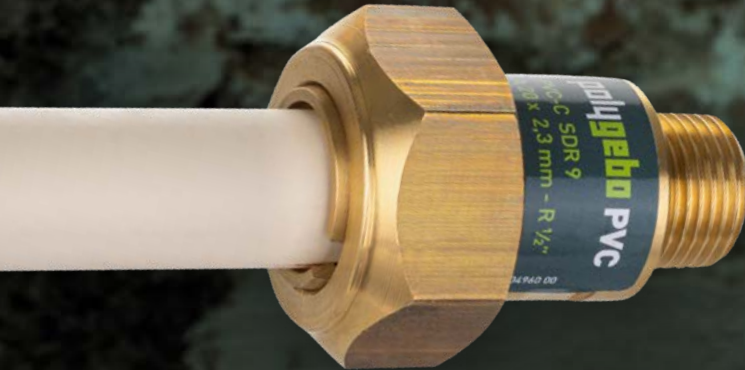
- 2 x minigebo brass 1/2", 3/4" and 1" each
- 6 x minigebo brass nickel-plated 1/2"
- Allen key size 3
(for minigebo 1/2" and 3/4") and size 4 (for minigebo 1")



Code	Description	Weight (kg)
01.300.35.00	PROMO suitcase minigebo	3.770

polygebo

**BRASS COMPRESSION FITTING
INCLUDING SUPPORT SLEEVE**





FOR THE REPAIR OF PP OR PVC PIPES

THINGS TO KNOW

Suitability for drinking water:

- All components of the 330 and 331 series that come into contact with drinking water comply with the hygiene regulations for drinking water of the Federal Environment Agency Germany and the 4 MSI lists.

Medium:

- drinking water warm and cold, heating water

Operating pressure and temperature:

Drinking water: cold water up to +25°C/max. 10 bar and warm water up to +80°C/max. 6 bar

Heating water: up to +80°C/max. 6 bar

Materials:

- Fitting body according to evaluation criteria for metallic materials
- Gasket according to KTW-BWGL = German requirements

GENERAL INFORMATION

Advantages

- No special tools necessary
- Perfect repair due to clamp connector technology (without gluing and welding)
- Extremely time-saving repair
- The perfect transition to other pipe types
- The connection is resistant to tensile and shearing strength
- SDR describes the diameter/wall thickness ratio (Standard Dimension Ratio)
- Insulated pipes must be peeled according to the instructions of the pipe manufacturer
- If the pipe marking is not fully legible, the pipe manufacturer must be consulted
- When separating the pipe, pay attention to support sleeve length plus 10 mm

Specialty for PVC

- Installation also possible when water continues to flow
- No setting time for adhesive solutions

POLYGEBO PVC

BRASS COMPRESSION FITTING INCLUDING SUPPORT SLEEVE SERIES 331

FOR PVC-C PIPE, ACCORDING TO DIN 8079/8080, SDR 9



SUITABILITY TABLE

			WALL THICKNESSES (MM)	
PIPE MATERIALS	PIPE STANDARD	PIPE OUTER-Ø	SDR 9 (PIPE F)	SDR 9 (PIPE T)
PVC-C	DIN 8079 DIN 8080	16 mm	✓ 2.0	✓ 1.8
		20 mm	✓ 2.3	✓ 2.3
		25 mm	✓ 2.8	✓ 2.8
		32 mm	✓ 3.6	✓ 3.6
		40 mm	✓ 4.5	✓ 4.5
		50 mm	✓ 5.6	✓ 5.6

SIZES AND DIMENSIONS

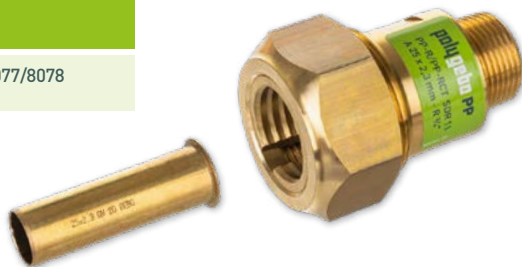
CODE	PIPE OUTER-Ø X WALL THICKNESS IN MM	JOINTING THREAD R ACCORDINGLY TO DIN EN 10226-1 OR ISO 7/1	INSTALLATION DIMENSION FITTING LENGTH/DIAGONAL WIDTH/SW IN MM	LENGTH SUPPORT SLEEVE IN MM	WEIGHT (KG)
16331000116	16 x 1.8*	1/2"	55 / 35 / 30	45	0.142
16331000120	20 x 2.3	1/2"	61 / 47 / 41	60	0.258
16331000225	25 x 2.8	3/4"	71 / 53 / 46	65	0.365
16331000332	32 x 3.6	1"	83 / 64 / 55	70	0.562
16331000440	40 x 4.5	1 1/4"	89 / 75 / 65	75	0.782
16331000550	50 x 5.6	1 1/2"	98 / 81 / 70	80	0.952

* the article 16331000116 also fits for 16 mm outer tube-Ø x 2.0 mm wall thickness

POLYGEBO PP

BRASS COMPRESSION FITTING INCLUDING SUPPORT SLEEVE SERIES 330

FOR PP-R/PP-RCT PIPES, ACCORDING TO DIN 8077/8078



SUITABILITY TABLE

			WALL THICKNESSES (MM)			
PIPE MATERIALS	PIPE STANDARD	PIPE OUTER-Ø	SDR 6	SDR 7.4	SDR 9	SDR 11
PP-R/PP-RCT	DIN 8077 DIN 8078	20 mm	3.4	2.8	/	1.9
		25 mm	4.2	3.5	/	2.3
		32 mm	5.4	4.4	3.6	2.9
		40 mm	6.7	5.5	4.5	3.7
		50 mm	8.3	6.9	5.6	4.6

SET OF COMPRESSION FITTING INCLUDING SUPPORT SLEEVES IN DIFFERENT WALL THICKNESSES TO CHOOSE FROM FOR THE APPLICATION

SIZES AND DIMENSIONS

CODE	PIPE OUTER-Ø X WALL THICKNESS IN MM				JOINTING THREAD R ACCORDING TO DIN EN 10226-1 OR ISO 7/1	INSTALLATION DIMENSION FITTING LENGTH/DIAGONAL WIDTH//SW IN MM	LENGTH SUPPORT SLEEVE MM
	SDR 6	SDR 7.4	SDR 9	SDR 11			
15330000120	20 x 3.4	20 x 2.8	./.	20 x 1.9	½"	61 / 47 / 41	60
15330000225	25 x 4.2	25 x 3.5	./.	25 x 2.3	¾"	71 / 53 / 46	65
15330000332	32 x 5.4	32 x 4.4	32 x 3.6	32 x 2.9	1"	83 / 64 / 55	70
15330000440	40 x 6.7	40 x 5.5	40 x 4.5	40 x 3.7	1 ¼"	89 / 75 / 65	75
15330000550	50 x 8.3	50 x 6.9	50 x 5.6	50 x 4.6	1 ½"	98 / 81 / 70	80

geboplast

PLASTIC COMPRESSION FITTINGS AND SADDLES



COMPLETE RANGE OF TYPES

Compression fittings and saddles:

Our plastic compression fittings and saddles are available with the following diameters, from 16 mm to 110:



CONNECTIONS

P. 202

Female or male thread.



COUPLINGS

P. 204

Couplings and reduced couplings as well as repair couplings.



T-PIECES

P. 207

T-pieces with clamping on three sides; with reduced outlet; T-pieces with outlet with male or female thread.



ELBOWS 90°

P. 211

Elbows 90° with clamping on both sides or elbows with outlet with female or male thread.



VARIOUS SPECIAL SOLUTIONS

P. 214

Compression fittings with flange adaptor. Compression fittings with wall attachment and end caps.



SPARE PARTS FOR PLASTIC FITTINGS

P. 217



SADDLES

P. 219

Suitable for making additional branches in water-bearing PE pipes



SUPPLEMENTARY ASSORTMENT FOR PLAST COMPRESSION FITTINGS

P. 223



ASSEMBLY INSTRUCTIONS

P. 218

IMPORTANT INFORMATION

SERIES P13: 16 mm - 63 mm
SERIES P16: 75 mm - 110 mm

Certificates/Tests:

Our compression fittings 16 mm - 63 mm have been tested for PE pipes according to DIN 8074 or DIN EN 12201, SDR 11; DVGW-Reg. No. DW-8616BT0102.

Screwed connections and flange connections:

- Flange adaptor according to DIN EN 1092-1
- Connecting threads according to ISO 7/1 or DIN EN 10226-1

Materials:

- **Body:** Copolymer (PP-B), UV-resistant
- **Pressure ring:** Polypropylene
- **Cone nut:** Polypropylene, UV-resistant
- **Compression ring:** Polyacetal POM
- **O-ring:** suitable for drinking water
- **Reinforcement ring:** Stainless steel, AISI 430, for female threads from 1 1/4" to 4"

Medium: Water / Drinking water

Pressure stages:

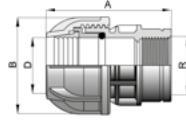
At temperatures up to 25°C, our plastic compression fittings in sizes 16 - 63 mm are suitable for 16 bar and sizes 75 - 110 are suitable for 10 bar.

The changes of pressure stages according to temperature are given in the table below.

Pressure stages according to temperature:

Temperature in °C	0 to 25 °C	26 to 35 °C	36 to 45 °C
16 – 63 mm	16 bar	12.5 bar	10 bar
75–110 mm	10 bar	8 bar	6 bar

CONNECTION, WITH FEMALE THREAD (FROM 1 1/4" WITH REINFORCEMENT RING)

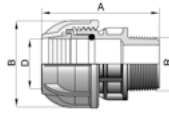


DN	Pipe outer- ϕ [mm] x Connecting thread	Code
10	16 x 1/2"	13011601
10	16 x 3/4"	13011602
15	20 x 1/2"	13012001
15	20 x 3/4"	13012002
20	25 x 1/2"	13012501
20	25 x 3/4"	13012502
20	25 x 1"	13012503
25	32 x 1/2"	13013201
25	32 x 3/4"	13013202
25	32 x 1"	13013203
25	32 x 1 1/4"	13013204
32	40 x 1"	13014003
32	40 x 1 1/4"	13014004
32	40 x 1 1/2"	13014005
40	50 x 1 1/4"	13015004
40	50 x 1 1/2"	13015005
40	50 x 2"	13015006
50	63 x 1 1/4"	13016304
50	63 x 1 1/2"	13016305
50	63 x 2"	13016306
65	75 x 2"	13017506
65	75 x 2 1/2"	13017507
80	90 x 2 1/2"	13019007
80	90 x 3"	13019008
100	110 x 3"	130111008
100	110 x 4"	130111009

DIMENSIONS AND WEIGHTS

DN	Pipe outer- ϕ [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	1/2"	13011601	59	39	17	0.022
10	16	3/4"	13011602	60	39	17	0.022
15	20	1/2"	13012001	67	46	21	0.032
15	20	3/4"	13012002	68	46	21	0.034
20	25	1/2"	13012501	73	55	26	0.055
20	25	3/4"	13012502	76	55	26	0.058
20	25	1"	13012503	78	55	26	0.059
25	32	1/2"	13013201	83	64	33	0.081
25	32	3/4"	13013202	84	64	33	0.083
25	32	1"	13013203	86	64	33	0.086
25	32	1 1/4"	13013204	89	64	33	0.111
32	40	1"	13014003	101	74	42	0.132
32	40	1 1/4"	13014004	102	74	42	0.149
32	40	1 1/2"	13014005	100	74	42	0.160
40	50	1 1/4"	13015004	122	87	51	0.227
40	50	1 1/2"	13015005	120	87	51	0.226
40	50	2"	13015006	125	87	51	0.232
50	63	1 1/4"	13016304	134	107	65	0.340
50	63	1 1/2"	13016305	139	107	65	0.383
50	63	2"	13016306	138	107	65	0.389
65	75	2"	13017506	181	131	78	0.630
65	75	2 1/2"	13017507	187	131	78	0.646
80	90	2 1/2"	13019007	209	154	92	0.947
80	90	3"	13019008	216	154	92	1.013
100	110	3"	130111008	245	185	112	1.650
100	110	4"	130111009	251	185	112	1.650

CONNECTION, WITH MALE THREAD



DN	Pipe outer-Ø [mm] x Connecting thread	Code
10	16 x 1/2"	13001601
10	16 x 3/4"	13001602
15	20 x 1/2"	13002001
15	20 x 3/4"	13002002
20	25 x 1/2"	13002501
20	25 x 3/4"	13002502
20	25 x 1"	13002503
25	32 x 3/4"	13003202
25	32 x 1"	13003203
25	32 x 1 1/4"	13003204
32	40 x 1"	13004003
32	40 x 1 1/4"	13004004
32	40 x 1 1/2"	13004005
40	50 x 1 1/4"	13005004

DN	Pipe outer-Ø [mm] x Connecting thread	Code
40	50 x 1 1/2"	13005005
40	50 x 2"	13005006
50	63 x 1 1/2"	13006305
50	63 x 2"	13006306
50	63 x 2 1/2"	13006307
65	75 x 2"	13007506
65	75 x 2 1/2"	13007507
65	75 x 3"	13007508
80	90 x 2"	13009006
80	90 x 2 1/2"	13009007
80	90 x 3"	13009008
80	90 x 4"	13009009
100	110 x 3"	130011008
100	110 x 4"	130011009

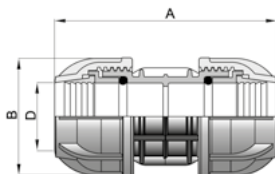
DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	1/2"	13001601	57	39	17	0.017
10	16	3/4"	13001602	58	39	17	0.019
15	20	1/2"	13002001	64	46	21	0.029
15	20	3/4"	13002002	67	46	21	0.029
20	25	1/2"	13002501	72	55	26	0.052
20	25	3/4"	13002502	73	55	26	0.052
20	25	1"	13002503	76	55	26	0.055
25	32	3/4"	13003202	81	64	33	0.079
25	32	1"	13003203	84	64	33	0.081
25	32	1 1/4"	13003204	85	64	33	0.085
32	40	1"	13004003	100	74	42	0.121
32	40	1 1/4"	13004004	101	74	42	0.131
32	40	1 1/2"	13004005	98	74	42	0.153
40	50	1 1/4"	13005004	121	87	51	0.210
40	50	1 1/2"	13005005	120	87	51	0.210
40	50	2"	13005006	125	87	51	0.220
50	63	1 1/2"	13006305	137	107	65	0.348
50	63	2"	13006306	137	107	65	0.362
50	63	2 1/2"	13006307	144	107	65	0.364
65	75	2"	13007506	180	131	78	0.575
65	75	2 1/2"	13007507	186	131	78	0.598
65	75	3"	13007508	189	131	78	0.615
80	90	2"	13009006	205	154	92	1.018
80	90	2 1/2"	13009007	212	154	92	0.908
80	90	3"	13009008	214	154	92	0.925
80	90	4"	13009009	221	154	92	0.989
100	110	3"	130011008	246	185	112	1.569
100	110	4"	130011009	254	185	112	1.603

COUPLINGS, CLAMPING ON BOTH SIDES



DN	Pipe outer- \varnothing [mm]	Code
10	16 x 16	130216
15	20 x 20	130220
20	25 x 25	130225
25	32 x 32	130232
32	40 x 40	130240
40	50 x 50	130250
50	63 x 63	130263
65	75 x 75	130275
80	90 x 90	130290
100	110 x 110	1302110



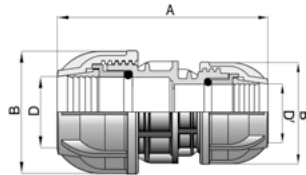
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	130216	77	39	17	0.029
15	20	130220	92	46	21	0.050
20	25	130225	108	55	26	0.092
25	32	130232	124	64	33	0.142
32	40	130240	151	74	42	0.228
40	50	130250	189	87	51	0.371
50	63	130263	218	107	65	0.641
65	75	130275	281	131	78	1.025
80	90	130290	330	154	92	1.614
100	110	1302110	390	185	112	2.796

COUPLING, CLAMPING ON BOTH SIDES, REDUCED



DN	Pipe outer- \varnothing [mm]	Code
15 x 10	20 x 16	13062016
20 x 15	25 x 20	13062520
25 x 20	32 x 25	13063225
32 x 20	40 x 25	13064025
32 x 25	40 x 32	13064032
40 x 20	50 x 25	13065025
40 x 25	50 x 32	13065032
40 x 32	50 x 40	13065040
50 x 32	63 x 40	13066340
50 x 40	63 x 50	13066350
65 x 40	75 x 50	13067550
65 x 50	75 x 63	13067563
80 x 50	90 x 63	13069063
80 x 65	90 x 75	13069075
100 x 80	110 x 90	130611090



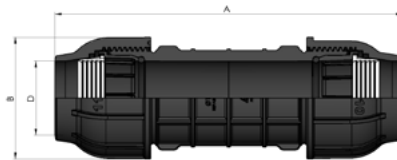
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	B' [mm]	D' [mm]	Weight [kg]
15 x 10	20 x 16	13062016	84	46	21	39	17	0.037
20 x 15	25 x 20	13062520	99	55	26	46	21	0.073
25 x 20	32 x 25	13063225	115	64	33	55	26	0.119
32 x 20	40 x 25	13064025	134	74	42	55	26	0.157
32 x 25	40 x 32	13064032	138	74	42	64	33	0.186
40 x 20	50 x 25	13065025	152	87	51	55	26	0.245
40 x 25	50 x 32	13065032	150	87	51	64	33	0.249
40 x 32	50 x 40	13065040	165	87	51	74	42	0.289
50 x 32	63 x 40	13066340	174	107	65	74	42	0.432
50 x 40	63 x 50	13066350	195	107	65	87	51	0.500
65 x 40	75 x 50	13067550	245	131	78	87	51	0.740
65 x 50	75 x 63	13067563	257	131	78	107	65	0.859
80 x 50	90 x 63	13069063	280	154	92	107	65	1.176
80 x 65	90 x 75	13069075	315	154	92	131	78	1.362
100 x 80	110 x 90	130611090	370	185	112	154	92	2.285

REPAIR COUPLINGS, LONG VERSION



DN	Pipe outer- \varnothing [mm]	Code
15	20 x 20	130320
20	25 x 25	130325
25	32 x 32	130332
32	40 x 40	130340
40	50 x 50	130350
50	63 x 63	130363
65	75 x 75	130375
80	90 x 90	130390
100	110 x 110	1303110



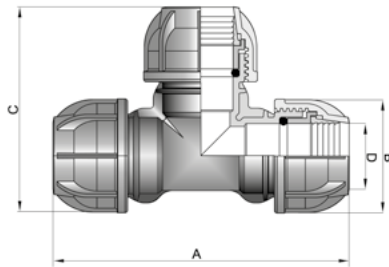
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A _{min} [MM]	B [MM]	D [MM]	Weight [kg]
15	20 x 20	130320	121	46	21	0.06
20	25 x 25	130325	145	55	26	0.10
25	32 x 32	130332	170	64	33	0.16
32	40 x 40	130340	195	74	42	0.25
40	50 x 50	130350	245	87	51	0.43
50	63 x 63	130363	290	107	65	0.75
65	75 x 75	130375	365	131	78	1.27
80	90 x 90	130390	415	154	92	1.90
100	110 x 110	1303110	535	185	112	3.40

T-PIECES, WITH CLAMPING ON THREE SIDES



DN	Pipe outer- \varnothing [mm]	Code
10	16 x 16 x 16	131016
15	20 x 20 x 20	131020
20	25 x 25 x 25	131025
25	32 x 32 x 32	131032
32	40 x 40 x 40	131040
40	50 x 50 x 50	131050
50	63 x 63 x 63	131063
65	75 x 75 x 75	131075
80	90 x 90 x 90	131090
100	110 x 110 x 110	1310110



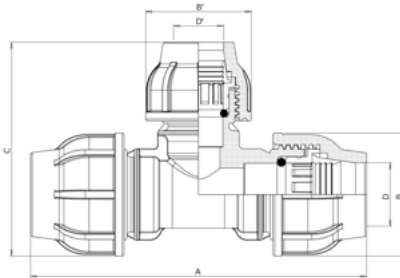
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	C [mm]	Weight [kg]
10	16	131016	96	39	17	67	0.044
15	20	131020	121	46	21	84	0.071
20	25	131025	145	55	26	100	0.151
25	32	131032	170	64	33	116	0.238
32	40	131040	195	74	42	135	0.371
40	50	131050	245	87	51	175	0.617
50	63	131063	290	107	65	203	1.070
65	75	131075	365	131	78	250	1.674
80	90	131090	415	154	92	285	2.638
100	110	1310110	535	185	112	350	4.610

T-PIECES, WITH CLAMPING ON THREE SIDES, OUTLET REDUCED



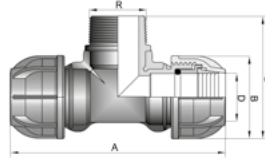
DN	Pipe outer- \varnothing [mm]	Code
20 x 15	25 x 20 x 25	13122520
25 x 20	32 x 25 x 32	13123225
32 x 25	40 x 32 x 40	13124032
40 x 32	50 x 40 x 50	13125040
50 x 40	63 x 50 x 63	13126350



DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	C [mm]	B' [mm]	D' [mm]	Weight [kg]
20 x 15	25 x 20	13122520	145	55	26	91	46	21	0.104
25 x 20	32 x 25	13123225	170	64	33	110	55	26	0.203
32 x 25	40 x 32	13124032	195	74	42	129	64	33	0.330
40 x 32	50 x 40	13125040	245	87	51	152	74	42	0.522
50 x 40	63 x 50	13126350	294	107	65	182	87	51	0.935

T-PIECES, OUTLET WITH MALE THREAD

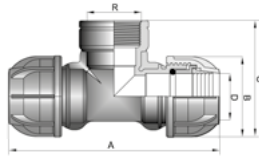


DN	Pipe outer- ϕ [mm] x Connecting thread x Pipe outer- ϕ [mm]	Code
10	16 x 1/2" x 16	13111601
10	16 x 3/4" x 16	13111602
15	20 x 1/2" x 20	13112001
15	20 x 3/4" x 20	13112002
20	25 x 1/2" x 25	13112501
20	25 x 3/4" x 25	13112502
20	25 x 1" x 25	13112503
25	32 x 3/4" x 32	13113202
25	32 x 1" x 32	13113203
32	40 x 1 1/4" x 40	13114004
32	40 x 1 1/2" x 40	13114005
40	50 x 1 1/2" x 50	13115005
40	50 x 2" x 50	13115006
50	63 x 2" x 63	13116306
65	75 x 2 1/2" x 75	13117507
65	75 x 3" x 75	13117508
80	90 x 3" x 90	13119008
80	90 x 4" x 90	13119009
100	110 x 4" x 110	131111009

DIMENSIONS AND WEIGHTS

DN	Pipe outer- ϕ [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	C [mm]	Weight [kg]
10	16	1/2"	13111601	97	39	17	54	0.035
10	16	3/4"	13111602	121	39	17	64	0.035
15	20	1/2"	13112001	120	46	21	64	0.057
15	20	3/4"	13112002	120	46	21	64	0.062
20	25	1/2"	13112501	145	55	26	72	0.107
20	25	3/4"	13112502	144	55	26	71	0.109
20	25	1"	13112503	144	55	26	76	0.116
25	32	3/4"	13113202	169	64	33	82	0.166
25	32	1"	13113203	170	64	33	86	0.170
32	40	1 1/4"	13114004	195	74	42	103	0.286
32	40	1 1/2"	13114005	194	74	42	103	0.294
40	50	1 1/2"	13115005	246	87	51	119	0.457
40	50	2"	13115006	246	87	51	125	0.481
50	63	2"	13116306	290	107	65	143	0.836
65	75	2 1/2"	13117507	365	131	78	174	1.282
65	75	3"	13117508	365	131	78	180	1.333
80	90	3"	13119008	415	154	92	200	2.004
80	90	4"	13119009	415	154	92	210	2.098
100	110	4"	131111009	515	185	112	255	3.600

T-PIECES, OUTLET WITH FEMALE THREAD (FROM 1 1/4" WITH REINFORCEMENT RING)



DN	Pipe outer- \varnothing [mm] x Connecting thread x Pipe outer- \varnothing [mm]	Code
10	16 x 1/2" x 16	13041601
10	16 x 3/4" x 16	13041602
15	20 x 1/2" x 20	13042001
15	20 x 3/4" x 20	13042002
20	25 x 1/2" x 25	13042501
20	25 x 3/4" x 25	13042502
20	25 x 1" x 25	13042503
25	32 x 1/2" x 32	13043201
25	32 x 3/4" x 32	13043202
25	32 x 1" x 32	13043203
32	40 x 1" x 40	13044003
32	40 x 1 1/4" x 40	13044004
32	40 x 1 1/2" x 40	13044005
40	50 x 1 1/4" x 50	13045004
40	50 x 1 1/2" x 50	13045005
40	50 x 2" x 50	13045006
50	63 x 1 1/2" x 63	13046305
50	63 x 2" x 63	13046306
65	75 x 2" x 75	13047506
65	75 x 2 1/2" x 75	13047507
65	75 x 3" x 75	13047508
80	90 x 2 1/2" x 90	13049007
80	90 x 3" x 90	13049008
80	90 x 4" x 90	13049009
100	110 x 4" x 110	130411009

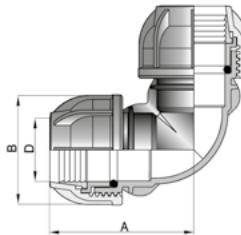
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	C [mm]	Weight [kg]
10	16	1/2"	13041601	96	39	17	54	0.035
10	16	3/4"	13041602	122	39	17	68	0.042
15	20	1/2"	13042001	120	46	21	64	0.060
15	20	3/4"	13042002	120	46	21	68	0.067
20	25	1/2"	13042501	144	55	26	82	0.107
20	25	3/4"	13042502	146	55	26	76	0.113
20	25	1"	13042503	145	55	26	77	0.122
25	32	1/2"	13043201	170	64	33	78	0.170
25	32	3/4"	13043202	170	64	33	84	0.175
25	32	1"	13043203	171	64	33	91	0.182
32	40	1"	13044003	195	74	42	103	0.291
32	40	1 1/4"	13044004	195	74	42	104	0.304
32	40	1 1/2"	13044005	195	74	42	105	0.331
40	50	1 1/4"	13045004	249	87	51	118	0.480
40	50	1 1/2"	13045005	249	87	51	118	0.505
40	50	2"	13045006	244	87	51	122	0.505
50	63	1 1/2"	13046305	290	107	65	135	0.855
50	63	2"	13046306	290	107	65	141	0.852
65	75	2"	13047506	370	131	78	168	1.359
65	75	2 1/2"	13047507	370	131	78	174	1.304
65	75	3"	13047508	365	131	78	176	1.376
80	90	2 1/2"	13049007	425	154	92	198	2.085
80	90	3"	13049008	425	154	92	198	2.135
80	90	4"	13049009	420	154	92	203	2.176
100	110	4"	130411009	515	185	112	245	3.643

ELBOW 90°, WITH CLAMPING ON BOTH SIDES



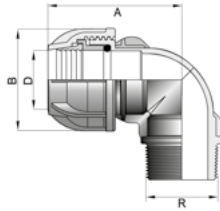
DN	Pipe outer- \varnothing [mm]	Code
10	16 x 16	130816
15	20 x 20	130820
20	25 x 25	130825
25	32 x 32	130832
32	40 x 40	130840
40	50 x 50	130850
50	63 x 63	130863
65	75 x 75	130875
80	90 x 90	130890
100	110 x 110	1308110



DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	130816	48	39	17	0.030
15	20	130820	59	46	21	0.047
20	25	130825	72	55	26	0.099
25	32	130832	84	64	33	0.158
32	40	130840	95	74	42	0.246
40	50	130850	122	87	51	0.422
50	63	130863	142	107	65	0.729
65	75	130875	177	131	78	1.138
80	90	130890	212	154	92	1.801
100	110	1308110	260	185	112	3.158

ELBOW 90°, ONE SIDE WITH MALE THREAD



DN	Pipe outer- \varnothing [mm] x Connecting thread	Code
10	16 x 1/2"	13091601
10	16 x 3/4"	13091602
15	20 x 1/2"	13092001
15	20 x 3/4"	13092002
20	25 x 1/2"	13092501
20	25 x 3/4"	13092502
20	25 x 1"	13092503
25	32 x 3/4"	13093202
25	32 x 1"	13093203
32	40 x 1"	13094003
32	40 x 1 1/4"	13094004
32	40 x 1 1/2"	13094005
40	50 x 1 1/2"	13095005
40	50 x 2"	13095006
50	63 x 2"	13096306
65	75 x 2 1/2"	13097507
65	75 x 3"	13097508
80	90 x 3"	13099008
80	90 x 4"	13099009
100	110 x 4"	130911009

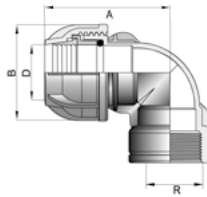
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	1/2"	13091601	48	39	17	0.020
10	16	3/4"	13091602	49	39	17	0.020
15	20	1/2"	13092001	60	46	21	0.032
15	20	3/4"	13092002	60	46	21	0.036
20	25	1/2"	13092501	72	55	26	0.052
20	25	3/4"	13092502	72	55	26	0.059
20	25	1"	13092503	72	55	26	0.064
25	32	3/4"	13093202	84	64	33	0.092
25	32	1"	13093203	84	64	33	0.093
32	40	1"	13094003	99	74	42	0.149
32	40	1 1/4"	13094004	97	74	42	0.158
32	40	1 1/2"	13094005	99	74	42	0.166
40	50	1 1/2"	13095005	122	87	51	0.241
40	50	2"	13095006	122	87	51	0.294
50	63	2"	13096306	143	107	65	0.415
65	75	2 1/2"	13097507	178	131	78	0.745
65	75	3"	13097508	181	131	78	0.796
80	90	3"	13099008	212	154	92	1.149
80	90	4"	13099009	212	154	92	1.223
100	110	4"	130911009	260	185	112	2.099

ELBOW 90°, ONE SIDE WITH FEMALE THREAD (FROM 1 1/4" WITH REINFORCEMENT RING)



DN	Pipe outer- ϕ [mm] x Connecting thread	Code
10	16 x 1/2"	13131601
10	16 x 3/4"	13131602
15	20 x 1/2"	13132001
15	20 x 3/4"	13132002
20	25 x 1/2"	13132501
20	25 x 3/4"	13132502
20	25 x 1"	13132503
25	32 x 3/4"	13133202
25	32 x 1"	13133203
32	40 x 1"	13134003
32	40 x 1 1/4"	13134004
40	50 x 1 1/2"	13135005
50	63 x 1 1/2"	13136305
50	63 x 2"	13136306
65	75 x 2 1/2"	13137507
65	75 x 3"	13137508
80	90 x 3"	13139008
80	90 x 4"	13139009
100	110 x 4"	131311009



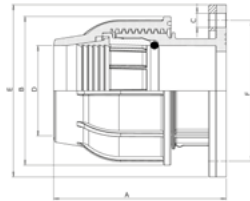
DIMENSIONS AND WEIGHTS

DN	Pipe outer- ϕ [mm]	Connecting thread R ISO 7/1	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	1/2"	13131601	49	39	17	0.024
10	16	3/4"	13131602	50	39	17	0.028
15	20	1/2"	13132001	62	46	21	0.033
15	20	3/4"	13132002	60	46	21	0.040
20	25	1/2"	13132501	74	55	26	0.060
20	25	3/4"	13132502	74	55	26	0.065
20	25	1"	13132503	74	55	26	0.069
25	32	3/4"	13133202	87	64	33	0.095
25	32	1"	13133203	87	64	33	0.097
32	40	1"	13134003	96	74	42	0.165
32	40	1 1/4"	13134004	97	74	42	0.176
40	50	1 1/2"	13135005	124	87	51	0.299
50	63	1 1/2"	13136305	144	107	65	0.489
50	63	2"	13136306	145	107	65	0.488
65	75	2 1/2"	13137507	185	131	78	0.809
65	75	3"	13137508	180	131	78	0.843
80	90	3"	13139008	215	154	92	1.242
80	90	4"	13139009	230	154	92	1.283
100	110	4"	131311009	265	185	112	2.168

COMPRESSION FITTINGS, WITH FLANGE ADAPTOR



DN	Pipe outer-Ø [mm]	Flange connection/ Pressure	Number of boreholes	Code
40	50	(DN 50), PN 10/16	4	13625050
50	63	(DN 50), PN 10/16	4	13626350
50	63	(DN 65), PN 10/16	4	13626365
65	75	(DN 65), PN 10/16	4	13627565
65	75	(DN 80), PN 10/16	8	13627580
80	90	(DN 80), PN 10/16	8	13629080
80	90	(DN 100), PN 10/16	8	136290100
100	110	(DN 100), PN 10/16	8	1362110100



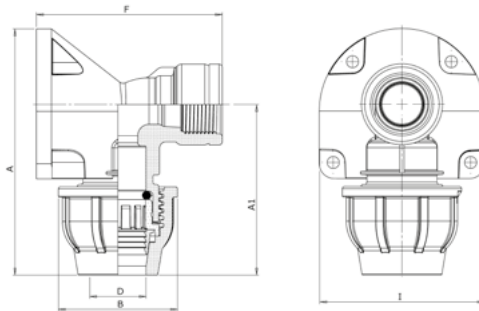
DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø [mm]	Flange connection/ Pressure	Code	A [mm]	B [mm]	D [mm]	E [mm]	F [mm]	C [mm]	Weight [kg]
40	50	(DN 50), PN 10/16	13625050	106	87	51	165	125	18	1.446
50	63	(DN 50), PN 10/16	13626350	118	107	65	165	125	18	1.352
50	63	(DN 65), PN 10/16	13626365	123	107	65	185	145	18	2.260
65	75	(DN 65), PN 10/16	13627565	163	131	78	185	145	18	1.995
65	75	(DN 80), PN 10/16	13627580	163	131	78	202	160	18	2.300
80	90	(DN 80), PN 10/16	13629080	189	154	92	202	160	18	2.300
80	90	(DN 100), PN 10/16	136290100	189	154	92	220	180	18	2.035
100	110	(DN 100), PN 10/16	1362110100	224	185	112	220	180	18	3.000

COMPRESSION FITTINGS, WITH WALL ATTACHMENT AND FEMALE OUTLET



DN	Pipe outer- \varnothing [mm] x Connecting thread	Code
15	20 x 1/2"	13612001
20	25 x 3/4"	13612502



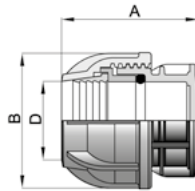
DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Connecting thread R ISO 7/1	Code	A [mm]	A1 [mm]	B [mm]	D [mm]	F [mm]	I [mm]	Weight [kg]
15	20	1/2"	13612001	91	67	47	22	63	54	0.060
20	25	3/4"	13612502	113	78	55	26	86	76	0.090

END CAPS WITH CLAMPING CONNECTION



DN	Pipe outer- \varnothing [mm]	Code
10	16	130716
15	20	130720
20	25	130725
25	32	130732
32	40	130740
40	50	130750
50	63	130763
65	75	130775
80	90	130790
100	110	1307110



DIMENSIONS AND WEIGHTS

DN	Pipe outer- \varnothing [mm]	Code	A [mm]	B [mm]	D [mm]	Weight [kg]
10	16	130716	41	39	17	0.016
15	20	130720	50	46	21	0.027
20	25	130725	58	55	26	0.049
25	32	130732	66	64	33	0.077
32	40	130740	79	74	42	0.124
40	50	130750	98	87	51	0.203
50	63	130763	113	107	65	0.350
65	75	130775	154	131	78	0.568
80	90	130790	179	154	92	0.895
100	110	1307110	210	185	112	1.519

ACCESSORIES



CONE NUTS

Size [mm]	Code	Size [mm]	Code
16	134316	50	134350
20	134320	63	134363
25	134325	75	134375
32	134332	90	134390
40	134340	110	1343110



O-RING

Size [mm]	Code	Size [mm]	Code
16	134716	50	134750
20	134720	63	134763
25	134725	75	134775
32	134732	90	134790
40	134740	110	1347110



PRESSURE RINGS

Size [mm]	Code	Size [mm]	Code
16	137016	50	137050
20	137020	63	137063
25	137025	75	137075
32	137032	90	137090
40	137040	110	1370110



COMPRESSION RINGS

Size [mm]	Code	Size [mm]	Code
16	134416	50	134450
20	134420	63	134463
25	134425	75	134475
32	134432	90	134490
40	134440	110	1344110



INSTALLATION BELTS

Size [mm]	Code
25 – 63	13272563
25 – 110	132725110

ASSEMBLY INSTRUCTIONS 16–63 MM

Stages of assembly:

1. Cut the pipe at right angle and chamfer the edge with a suitable tool (photo 1).
2. The O-ring is pre-lubricated for easy installation. Do not use oil-containing lubricants. Only use lubricants approved for drinking water systems.
3. Loosen the cone nut on the fitting thread by 3 - 4 turns (photo 2). Do not unscrew the nut to the end of the thread!
4. Mark the insertion depth on the pipe (photo 3).
5. Push the pipe in up to the stop in the screw connection. Make sure that the pipe is inserted over the sealing element (photo 4).
6. Tighten the cone nut by hand (photo 5).
7. Now screw the cone nut tight using the assembly belt or another suitable tool for plastic compression fittings (photo 6).



1



2



3



4



5



6

ASSEMBLY INSTRUCTIONS 75 – 110 MM

Stages of assembly:

1. Cut the pipe at right angle and remove burrs (photo 1).
2. The O-ring is pre-lubricated for easy installation. Do not use oil-containing lubricants. Only use lubricants approved for drinking water systems.
3. Loosen the cone nut on the fitting thread by 3 - 4 turns. Do not unscrew the nut to the end of the thread!
4. Put your hand into the fitting and pull out the O-ring and the pressure ring as far forward as possible (photo 2) so that the pipe can be pushed in without any resistance.
5. Push the pipe in up to the stop in the screw connection. Make sure that the pipe is inserted over the sealing element.
6. Tighten the cone nut by hand.
7. Now screw the cone nut tight using the assembly belt or another suitable tool for plastic compression fittings (photo 3).



1



2



3

SADDLES - IMPORTANT INFORMATION

SERIES P14

It is possible to install additional branches in water-bearing PE pipe line systems by using our saddles (pipes conforming to DIN 8074 respectively EN 12201).

MATERIALS**Top and bottom parts of the saddle:**

Polypropylene copolymer (PP-B), UV-resistant

Seal:

NBR/EPDM

Reinforcement ring:

Stainless steel, AISI 430 for sizes 1 1/4" and above

Screws:

Steel galvanized

PRESSURE STAGES

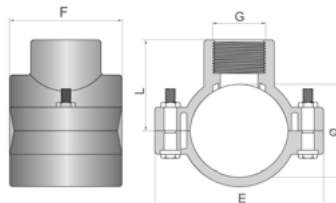
At temperatures of up to 25°C, our saddles can be used in pressure stages PN 16 to PN 6.

The pressure stages depend on the dimensions and threaded connectors, so a corresponding pressure stage is given for each article.

SADDLE WITH TWO ATTACHMENT SCREWS



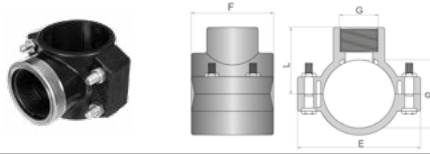
DN	Pipe outer-Ø [mm] x Connecting thread	Pressure	Code
15	20 x 1/2"	PN 16	13212001
20	25 x 1/2"	PN 16	13212501
20	25 x 3/4"	PN 16	13212502
25	32 x 1/2"	PN 16	13213201
25	32 x 3/4"	PN 16	13213202
25	32 x 1"	PN 16	13213203
32	40 x 1/2"	PN 16	13214001
32	40 x 3/4"	PN 16	13214002
32	40 x 1"	PN 16	13214003
40	50 x 1/2"	PN 16	13215001
40	50 x 3/4"	PN 16	13215002
40	50 x 1"	PN 16	13215003



DIMENSIONS AND WEIGHTS

DN	Pipe outer-Ø [mm]	Connecting thread G	Code	L [mm]	E [mm]	F [mm]	Screws	Weight [kg]
15	20	1/2"	13212001	33	62	38	M6 x 35	0.047
20	25	1/2"	13212501	33	72	48	M6 x 35	0.060
20	25	3/4"	13212502	34	72	48	M8 x 45	0.070
25	32	1/2"	13213201	39	87	52	M8 x 45	0.110
25	32	3/4"	13213202	40	87	52	M8 x 45	0.113
25	32	1"	13213203	47	88	56	M8 x 45	0.137
32	40	1/2"	13214001	42	88	56	M8 x 45	0.117
32	40	3/4"	13214002	42	88	56	M8 x 45	0.118
32	40	1"	13214003	47	88	56	M8 x 45	0.128
40	50	1/2"	13215001	46	95	57	M8 x 45	0.119
40	50	3/4"	13215002	48	95	57	M8 x 45	0.124
40	50	1"	13215003	51	95	57	M8 x 45	0.132

SADDLE WITH FOUR ATTACHMENT SCREWS



DN	Pipe outer Ø [mm] x Connecting thread	Pressure	Code
50	63 x 1/2"	PN 16	13236301
50	63 x 3/4"	PN 16	13236302
50	63 x 1"	PN 16	13236303
50	63 x 1 1/4"	PN 16	13236304
50	63 x 1 1/2"	PN 10	13236305
65	75 x 1/2"	PN 16	13237501
65	75 x 3/4"	PN 16	13237502
65	75 x 1"	PN 16	13237503
65	75 x 1 1/4"	PN 16	13237504
65	75 x 1 1/2"	PN 10	13237505
65	75 x 2"	PN 10	13237506
80	90 x 1/2"	PN 16	13239001
80	90 x 3/4"	PN 16	13239002
80	90 x 1"	PN 16	13239003
80	90 x 1 1/4"	PN 16	13239004
80	90 x 1 1/2"	PN 10	13239005
80	90 x 2"	PN 10	13239006
100	110 x 1/2"	PN 16	132311001
100	110 x 3/4"	PN 16	132311002
100	110 x 1"	PN 16	132311003
100	110 x 1 1/4"	PN 16	132311004
100	110 x 1 1/2"	PN 10	132311005
100	110 x 2"	PN 10	132311006
100	110 x 2 1/2"	PN 6	132311007
100	110 x 3"	PN 6	132311008

DIMENSIONS AND WEIGHTS

DN	Pipe outer Ø [mm]	Connecting thread G	Code	L [mm]	E [mm]	F [mm]	Screws	Weight [kg]
50	63	1/2"	13236301	53	108	72	M8 x 45	0.210
50	63	3/4"	13236302	55	108	72	M8 x 45	0.210
50	63	1"	13236303	58	108	72	M8 x 45	0.220
50	63	1 1/4"	13236304	60	108	72	M8 x 45	0.231
50	63	1 1/2"	13236305	60	108	72	M8 x 45	0.223
65	75	1/2"	13237501	60	120	90	M8 x 60	0.330
65	75	3/4"	13237502	61	120	90	M8 x 60	0.340
65	75	1"	13237503	65	120	90	M8 x 60	0.350
65	75	1 1/4"	13237504	67	120	90	M8 x 60	0.361
65	75	1 1/2"	13237505	67	120	90	M8 x 60	0.370
65	75	2"	13237506	70	120	90	M8 x 60	0.390
80	90	1/2"	13239001	68	135	90	M8 x 60	0.360
80	90	3/4"	13239002	69	135	90	M8 x 60	0.360
80	90	1"	13239003	73	135	90	M8 x 60	0.370
80	90	1 1/4"	13239004	75	135	90	M8 x 60	0.380
80	90	1 1/2"	13239005	75	135	90	M8 x 60	0.390
80	90	2"	13239006	78	135	90	M8 x 60	0.410
100	110	1/2"	132311001	78	155	105	M8 x 60	0.450
100	110	3/4"	132311002	79	155	105	M8 x 60	0.460
100	110	1"	132311003	83	155	105	M8 x 60	0.460
100	110	1 1/4"	132311004	85	155	105	M8 x 60	0.460
100	110	1 1/2"	132311005	85	155	105	M8 x 60	0.470
100	110	2"	132311006	88	155	105	M8 x 60	0.500
100	110	2 1/2"	132311007	94	155	105	M8 x 60	0.523
100	110	3"	132311008	103	155	124	M8 x 70	0.671

ASSEMBLY INSTRUCTIONS FOR TAPPING SADDLES

Stages of assembly:

1. Mark the location of the additional outlet and make sure that the pipe is free of dirt, surface damage and marks.
2. Place the bottom part of the saddle in the correct position.
3. Insert the sealing into its place and put the top part of the saddle in the right position. Connect together both parts of the saddle.
4. Make sure that the two parts of the saddle closely match each other during assembly.
5. Insert the screws from below and tighten the nuts carefully.
6. Drill a hole in the pipe, taking care not to damage the thread and seal.

Use the distance support to protect the pipe against drilling a hole in the opposite wall.

We recommend the use of a hole saw to avoid damage to the thread or seal.



THE FOLLOWING ARTICLES OF OUR SUPPLEMENTARY ASSORTMENT ARE NOT PART OF THE DVGW CERTIFICATE OF OUR SERIES GEBOPLAST.

PP BALL VALVES AS SUPPLEMENTARY ASSORTMENT

Application: Pressure and service water distribution systems

Operating temperature and pressure: Water: up to +20 °C/ maximum 6 bar
Threads according to ISO 7/1

PP BALL VALVE FEMALE/FEMALE

Code	Description
1410102CN	Ball valve F/F 3/4"
1410103CN	Ball valve F/F 1"
1410104CN	Ball valve F/F 1 1/4"
1410105CN	Ball valve F/F 1 1/2"
1410106CN	Ball valve F/F 2"
1410107CN	Ball valve F/F 2 1/2"



PP BALL VALVE FEMALE/MALE

Code	Description
1410202CN	Ball valve F/M 3/4"
1410203CN	Ball valve F/M 1"
1410204CN	Ball valve F/M 1 1/4"
1410205CN	Ball valve F/M 1 1/2"
1410206CN	Ball valve F/M 2"



PLASTIC COUPLINGS WITH BALL VALVE AND QUICK RELEASE TO COMPLEMENT THE GEBOPLAST RANGE

SERIES P15

Code	Description	[mm]
141020CN	Plastic coupling with ball valve, with quick release fastener	20 x 20
141025CN		25 x 25
141032CN		32 x 32
141040CN		40 x 40
141050CN		50 x 50
141063CN		63 x 63



PP BALL VALVE FEMALE THREAD/CLAMP CONNECTION

SERIES P15

Code	Description
141030220CN	Ball valve 1/2" x 20 mm
141030225CN	Ball valve 3/4" x 25 mm
141030232CN	Ball valve 1" x 32 mm
141030240CN	Ball valve 1 1/4" x 40 mm
141030250CN	Ball valve 1 1/2" x 50 mm
141030263CN	Ball valve 2" x 63 mm



CHAMFERING TOOL

Code	Description
14040020CN	Chamfering tool 20-63 mm
14040075CN	Chamfering tool 75-110 mm
14040110CN	Chamfering tool Spare blade



gebounifix

STAINLESS STEEL SEALING CLAMPS





UNIFIX MINI

P. 228

The small, light and quick repair solution for sealing holes, fractures and porous areas in water-bearing pipes. Suitable for steel, black steel, copper and stainless steel piping, as well as for the temporary repair of PE and PVC pipes. Available for 21–93 mm outside pipe diameter and in 60 or 100 mm length.



UNIFIX MIDDLE

P. 230

Our sealing clamp is suitable to seal water-bearing as well as gas-bearing pipes. Middle is available up to an outside pipe diameter of 118 mm and in length of 100 and 150 mm.



UNIFIX TAPPING SADDLE

P. 232

The extremely economical solution for creating additional branches. The clamp as well as the 60 mm wide and 1.5 mm thick mounting bands are completely made of stainless steel.



UNIFIX MAXI

P. 236

The classic for civil engineering. For sealing gas- or water-bearing steel, cast iron, ductile cast iron and fibre cement pipes, as well as for repairing PE and PVC pipes. Maxi is available as one, two or three part version, as well as with threaded or flanged outlet.



MAXI BOX S, L, XL

P. 256

With these three repair boxes you are flexible in reacting to various repair situations.



**EASY
GRIP**

DO YOU KNOW THE EASY FUNCTION?

ALL PRODUCTS WITH THE EASY SYMBOL ARE EQUIPPED WITH EASY GRIP FUNCTION.

The Easy Grip function is an „installation aid“, which makes the installation of stainless steel clamps significantly easier and installation times significantly shorter.

The result are savings in time, costs and energy!

It works as follows:



Side supports in all Middle and Maxi clamps are fitted with hooks.

These hooks are designed for attaching a typical ring wrench or open-end wrench.

The EasyGrip function follows the lever principle: Press the lower edge of the clamp and the combination wrench together with one hand. The mobile holder can now comfortably be placed on the upper edge of the stainless steel clamp using the other hand.

Tighten nuts and done!

**NEVER BEFORE HAS THE INSTALLATION OF STAINLESS STEEL
SEALING CLAMPS BEEN SO EASY!**

UNIFIX MINI – SEALING CLAMPS OF STAINLESS STEEL

APPLICATION: for sealing holes, cracks and porous areas in water-bearing pipes.

SUITABLE FOR

STEEL PIPES | BLACK STEEL PIPES | STAINLESS STEEL PIPES | COPPER PIPES

and for temporary repairs in cold water areas:

PE PIPES | PVC PIPES | MULTILAYER PIPES

FEATURES OF UNIFIX-MINI CLAMPS:

- Sealing of holes, cracks and porous areas in water-bearing pipes with a smooth surface.
- The strong honeycomb structure of the seal (EPDM for water-bearing pipes) provides an improved compensation for pipe irregularities.
- Installation of the Mini clamp in a limited mounting space (7 mm is sufficient!) is easily feasible.
- **Pressure stages:** water max. 10 bar, **temperature:** water up to 90°C
- Sealing band, bridge and threaded bolts of stainless steel.
- Fully glued gasket.
- Extremely easy installation.
- Two lengths of clamps: 60 mm (with one bolt) or: 100 mm (with two bolts).



LENGTH 60 MM, WITH ONE BOLT

Length [mm]	Pipe diameter-Ø [mm]	Code
60	21–25	51.01.021025.06
60	26–30	51.01.026030.06
60	33–37	51.01.033037.06
60	38–42	51.01.038042.06
60	42–45	51.01.042045.06
60	48–51	51.01.048051.06
60	55–58	51.01.055058.06
60	60–64	51.01.060064.06
60	69–73	51.01.069073.06
60	74–80	51.01.074080.06
60	87–93	51.01.087093.06

LENGTH 100 MM, WITH TWO BOLTS

Length [mm]	Pipe diameter-Ø [mm]	Code
100	21 – 25	51.01.021025.10
100	26 – 30	51.01.026030.10
100	33 – 37	51.01.033037.10
100	42 – 45	51.01.042045.10
100	48 – 51	51.01.048051.10
100	55 – 58	51.01.055058.10
100	60 – 64	51.01.060064.10
100	69 – 73	51.01.069073.10
100	74 – 80	51.01.074080.10
100	87 – 93	51.01.087093.10



As standard, all products are fitted with EPDM sealing for water-bearing pipes.
The NBR sealing is available at no extra charge. In this case, the article codes start with 50.

UNIFIX MIDDLE – SEALING CLAMPS OF STAINLESS STEEL

EASY
GRIP

APPLICATION: for sealing holes, cracks and porous areas in water- or gas-bearing pipes.

SUITABLE FOR

STEEL PIPE | COPPER PIPE | STAINLESS STEEL PIPE | BLACK STEEL PIPE | CAST IRON PIPE |
DUCTILE CAST IRON PIPE | FIBRE CEMENT PIPE

and for temporary repairs in cold water systems:

PE PIPES | PVC PIPES

FEATURES OF UNIFIX-MIDDLE CLAMPS:

- Suitable for sealing holes, cracks and porous areas in water- or gas-bearing pipes with a **smooth surface**.
- The EPDM sealing for water-bearing pipes or NBR sealing for gas. (Caution: for gas-bearing pipes only outside building)
- **Pressure stages: The permissible pressure stages vary depending on the type of pipe, pipe outer diameter and type of damage. The maximum possible pressure stages:** water 16 bar and gas 4 bar.
Temperatures: Maximum operating temperature: water max. 90°C, gas -5 to +50°C.
- Sealing band, bridge and threaded bolts of stainless steel 1.4301 (V2A) similar to AISI 304.
- Fully glued gasket
- Threaded bolts made of stainless steel and with caps for thread protection.
- In lengths 100 mm (with one threaded bolts) and 150 mm (with two threaded bolts) available.

On request, clamps with threaded outlet are available!

UNIFIX MIDDLE – SEALING CLAMPS OF STAINLESS STEEL

EASY
GRIP

UNIFIX MIDDLE, LENGTH 100 MM (WITH ONE THREADED BOLT)

Length [mm]	Pipe diameter- \varnothing [mm]	Code
100	32 – 36	51.02.032036.10
100	40 – 44	51.02.040044.10
100	44 – 51	51.02.044051.10
100	48 – 55	51.02.048055.10
100	50 – 57	51.02.050057.10
100	52 – 59	51.02.052059.10
100	56 – 63	51.02.056063.10
100	58 – 65	51.02.058065.10
100	60 – 67	51.02.060067.10
100	75 – 83	51.02.075083.10
100	87 – 95	51.02.087095.10
100	108 – 118	51.02.108118.10



UNIFIX MIDDLE, LENGTH 150 MM (WITH TWO THREADED BOLTS)

Length [mm]	Pipe diameter- \varnothing [mm]	Code
150	32 – 36	51.02.032036.15
150	40 – 44	51.02.040044.15
150	44 – 51	51.02.044051.15
150	48 – 55	51.02.048055.15
150	50 – 57	51.02.050057.15
150	52 – 59	51.02.052059.15
150	56 – 63	51.02.056063.15
150	58 – 65	51.02.058065.15
150	60 – 67	51.02.060067.15
150	75 – 83	51.02.075083.15
150	87 – 95	51.02.087095.15
150	108 – 118	51.02.108118.15



As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

UNIFIX TAPPING SADDLES WITH FEMALE THREAD



A cost-effective alternative for creating branches!



FEATURES OF UNIFIX TAPPING SADDLES WITH FEMALE THREAD

- Suitable for creating of branches on water- or gas-bearing pipes.
- The tapping saddles are made of stainless steel 1.4301 (V2A) similar to AISI 304 and are available with EPDM sealing (for water) or NBR sealing (for gas). [Caution: only for gas-bearing pipes outside buildings]
- The mounting bands are also made of stainless steel and lined inside with a smooth rubber collar on the inside. This prevents damage, particularly with plastic pipes and prevents the tapping saddle from slipping.

LENGTH UPPER SHELL: 125 MM AT BRANCHES UP TO 1 1/4"; 150 MM AT BRANCHES FROM 1 1/2"

Pipe outer-Ø [mm]	Female thread outlet	Length	Code
88 – 110 DN 80	1/2"	125	51.21.088110.12.1
	3/4"	125	51.21.088110.12.2
	1"	125	51.21.088110.12.3
	1 1/4"	125	51.21.088110.12.4
108 – 134 DN 100	1/2"	125	51.21.108134.12.1
	3/4"	125	51.21.108134.12.2
	1"	125	51.21.108134.12.3
	1 1/4"	125	51.21.108134.12.4
	1 1/2"	150	51.21.108134.15.5
114 – 139 DN 125	2"	150	51.21.108134.15.6
	1/2"	125	51.21.114139.12.1
	3/4"	125	51.21.114139.12.2
	1"	125	51.21.114139.12.3
	1 1/4"	125	51.21.114139.12.4
	1 1/2"	150	51.21.114139.15.5
	2"	150	51.21.114139.15.6

LENGTH UPPER SHELL: 125 MM AT BRANCHES UP TO 1 1/4", 150 MM AT BRANCHES FROM 1 1/2"

Pipe outer-Ø [mm]	Female thread outlet	Length	Code
138 – 160	1/2"	125	51.21.138160.12.1
DN 150	3/4"	125	51.21.138160.12.2
	1"	125	51.21.138160.12.3
	1 1/4"	125	51.21.138160.12.4
	1 1/2"	150	51.21.138160.15.5
	2"	150	51.21.138160.15.6
159 – 180	1/2"	125	51.21.159180.12.1
DN 175	3/4"	125	51.21.159180.12.2
	1"	125	51.21.159180.12.3
	1 1/4"	125	51.21.159180.12.4
	1 1/2"	150	51.21.159180.15.5
	2"	150	51.21.159180.15.6
190 – 218	1/2"	125	51.21.190218.12.1
DN 200	3/4"	125	51.21.190218.12.2
	1"	125	51.21.190218.12.3
	1 1/4"	125	51.21.190218.12.4
	1 1/2"	150	51.21.190218.15.5
	2"	150	51.21.190218.15.6
216 – 238	1/2"	125	51.21.216238.12.1
DN 225	3/4"	125	51.21.216238.12.2
	1"	125	51.21.216238.12.3
	1 1/4"	125	51.21.216238.12.4
	1 1/2"	150	51.21.216238.15.5
	2"	150	51.21.216238.15.6
230 – 260	1/2"	125	51.21.230260.12.1
DN 250	3/4"	125	51.21.230260.12.2
	1"	125	51.21.230260.12.3
	1 1/4"	125	51.21.230260.12.4
	1 1/2"	150	51.21.230260.15.5
	2"	150	51.21.230260.15.6
265 – 285	1/2"	125	51.21.265285.12.1
DN 275	3/4"	125	51.21.265285.12.2
	1"	125	51.21.265285.12.3
	1 1/4"	125	51.21.265285.12.4
	1 1/2"	150	51.21.265285.15.5
	2"	150	51.21.265285.15.6

As standard, all products are fitted with EPDM sealing for water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

UNIFIX MAXI

Suitable for sealing water- or gas-bearing pipes

Available in one, two or three part versions, or with threaded or flanged outlet!

SUITABLE FOR

STEEL PIPES | CAST IRON PIPES | DUCTILE CAST IRON PIPES | FIBRE-CEMENT PIPES

and for sealing in cold water areas

PE PIPES | PVC PIPES

Unifix Maxi clamps can be used in the case of the following damage or installation situations:



FEATURES OF UNIFIX MAXI CLAMPS

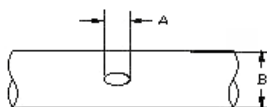
- **Suitable for sealing water- or gas-bearing pipes (note: gas-bearing pipes only outside buildings).**
- **Our sealing clamps are 100% made of 1.4301 (V2A) stainless steel** - similar to AISI 304, and are suitable for quick and permanent repairs of cracked, perforated or porous pipes. For applications that require higher overall strength (wastewater treatment plants, chemical industry, increased chloride content) we offer Maxi clamps made of stainless steel V4A - AISI316.
- **The threaded bolts** are welded to the clamp, so only the stainless steel bridge is movable. This prevents any part of the clamp from getting lost during assembly work.
- The welding during manufacturing is performed by robots to ensure continuous precision and quality. After welding process, the repair clamps are passivated to protect them against corrosion.
- **The threaded bolts** are made of stainless steel. This ensures lifelong durability.
- **The nuts** are made of stainless steel. An additional surface finish ensures easy and safe installation.
- The mounting range is embossed on the sealing clamp and thus legible for many years after its installation.
- All products are standard equipped with EPDM seals for water-bearing pipes, but are also available with NBR seals for gas or viton seals upon request.
- The sealings have a honeycomb structure and are bevelled at the ends.

SELECTING THE RIGHT MAXI CLAMP WITH THE RIGHT LENGTH

In the following is an overview of the dimensions for which you can use Maxi clamps in one-, two- or three-part versions.

Range: sections [mm]	Maxi 1 (one-part)	Maxi 2 (two-part)	Maxi 3 (three-part)
48–87	X		
88–269	X	X	
270–350	X	X	X
351–835		X	X
836–970			X

To determine the correct length of the sealing clamp, add the size of the damaged area (A) and the pipe diameter (B). In the case of PE pipes, add 50% of their value to the sum obtained.



TEMPERATURES: Water up to 90°C, gas from -5°C to +50°C

PRESSURE STAGES:

The permissible pressure stages vary depending on the type of pipe, its outer diameter, type of damage and the use of one-part or multi-part sealing clamp. The following values should be taken as a basis:

Pipe outer- \emptyset [mm]	Pressure stage [bar]	
	Water	Gas
MAXI 1 (one-part clamp)		
48–102	16	5
106–230	16	4
237–350	10	3

Pipe outer- \emptyset [mm]	Pressure stage [bar]	
	Water	Gas
MAXI 2 (two-part clamp)		
88–282	16	4
295–510	10	3
510–530	6	–

Pipe outer- \emptyset [mm]	Pressure stage [bar]	
	Water	Gas
MAXI 3 (three-part clamp)		
270–460	10	3
475–630	6	2

Pipe outer- \emptyset [mm]	Pressure stage [bar]	
	Water	Gas
MAXI 3 (three-part clamp)		
654–780	4	–
813–1000	2	–

LENGTH / BOLTS:

Length [mm]	Number of bolts
150	2
200	2
300	3
400	4
500	5

Length [mm]	Number of bolts
600	6
700	7
800	8
900	9
1000	10

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 150 M, WITH TWO BOLTS



DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
40	150	48 – 55	51.03.048055.15
	150	52 – 59	51.03.052059.15
50	150	60 – 67	51.03.060067.15
	150	67 – 74	51.03.067074.15
65	150	70 – 77	51.03.070077.15
	150	73 – 80	51.03.073080.15
	150	76 – 85	51.03.076085.15
	150	82 – 90	51.03.082090.15
80	150	87 – 95	51.03.087095.15
	150	90 – 98	51.03.090098.15
	150	95 – 105	51.03.095105.15
	150	98 – 108	51.03.098108.15
	150	102 – 112	51.03.102112.15
100	150	106 – 116	51.03.106116.15
	150	108 – 118	51.03.108118.15
	150	113 – 123	51.03.113123.15
	150	118 – 128	51.03.118128.15
	150	120 – 131	51.03.120131.15
125	150	125 – 135	51.03.125135.15
	150	132 – 144	51.03.132144.15
	150	135 – 145	51.03.135145.15
150	150	140 – 152	51.03.140152.15
	150	151 – 161	51.03.151161.15
	150	159 – 170	51.03.159170.15
	150	165 – 176	51.03.165176.15
	150	167 – 177	51.03.167177.15
	150	170 – 182	51.03.170182.15

As standard, all products are fitted with EPDM sealing for water.
 The NBR sealing for water and gas is available at no extra charge.
 In this case, the article codes start with 50.

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 200 M, WITH TWO BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
40	200	48 – 55	51.03.048055.20
	200	52 – 59	51.03.052059.20
50	200	60 – 67	51.03.060067.20
	200	67 – 74	51.03.067074.20
65	200	70 – 77	51.03.070077.20
	200	73 – 80	51.03.073080.20
	200	76 – 85	51.03.076085.20
	200	82 – 90	51.03.082090.20
80	200	87 – 95	51.03.087095.20
	200	90 – 98	51.03.090098.20
	200	95 – 105	51.03.095105.20
	200	98 – 108	51.03.098108.20
	200	102 – 112	51.03.102112.20
	200	106 – 116	51.03.106116.20
100	200	108 – 118	51.03.108118.20
	200	113 – 123	51.03.113123.20
	200	118 – 128	51.03.118128.20
	200	120 – 131	51.03.120131.20
	200	125 – 135	51.03.125135.20
125	200	132 – 144	51.03.132144.20
	200	135 – 145	51.03.135145.20
	200	140 – 152	51.03.140152.20
150	200	151 – 161	51.03.151161.20
	200	159 – 170	51.03.159170.20
	200	165 – 176	51.03.165176.20
	200	167 – 177	51.03.167177.20
	200	170 – 182	51.03.170182.20
	200	174 – 184	51.03.174184.20
	200	176 – 186	51.03.176186.20
	200	180 – 191	51.03.180191.20
	200	186 – 196	51.03.186196.20
175	200	193 – 203	51.03.193203.20
	200	200 – 212	51.03.200212.20
	200	209 – 220	51.03.209220.20
200	200	215 – 225	51.03.215225.20
	200	219 – 230	51.03.219230.20



As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 300 M, WITH THREE BOLTS



DN	Installation length [mm]	Pipe outer-Ø [mm]	Code
50	300	60 – 67	51.03.060067.30
	300	67 – 74	51.03.067074.30
65	300	70 – 77	51.03.070077.30
	300	73 – 80	51.03.073080.30
	300	76 – 85	51.03.076085.30
	300	82 – 90	51.03.082090.30
80	300	87 – 95	51.03.087095.30
	300	90 – 98	51.03.090098.30
	300	95 – 105	51.03.095105.30
	300	98 – 108	51.03.098108.30
	300	102 – 112	51.03.102112.30
	300	106 – 116	51.03.106116.30
	300	108 – 118	51.03.108118.30
100	300	113 – 123	51.03.113123.30
	300	118 – 128	51.03.118128.30
	300	120 – 131	51.03.120131.30
	300	125 – 135	51.03.125135.30
125	300	132 – 144	51.03.132144.30
	300	135 – 145	51.03.135145.30
	300	140 – 152	51.03.140152.30
150	300	151 – 161	51.03.151161.30
	300	159 – 170	51.03.159170.30
	300	165 – 176	51.03.165176.30
	300	167 – 177	51.03.167177.30
	300	170 – 182	51.03.170182.30
	300	174 – 184	51.03.174184.30
	300	176 – 186	51.03.176186.30
	300	180 – 191	51.03.180191.30
175	300	186 – 196	51.03.186196.30
	300	193 – 203	51.03.193203.30
	300	200 – 212	51.03.200212.30
200	300	209 – 220	51.03.209220.30
	300	215 – 225	51.03.215225.30
	300	219 – 230	51.03.219230.30
	300	222 – 233	51.03.222233.30
	300	228 – 240	51.03.228240.30
	300	232 – 242	51.03.232242.30
	300	237 – 247	51.03.237247.30
	300	239 – 249	51.03.239249.30
	300	243 – 253	51.03.243253.30
	300	250 – 260	51.03.250260.30
	300	252 – 262	51.03.252262.30
	300	261 – 271	51.03.261271.30
	300	266 – 276	51.03.266276.30
250	300	270 – 280	51.03.270280.30
	300	273 – 284	51.03.273284.30
	300	280 – 293	51.03.280293.30
	300	290 – 300	51.03.290300.30
	300	300 – 310	51.03.300310.30
	300	310 – 320	51.03.310320.30

As standard, all products are fitted with EPDM sealing for water.
 The NBR sealing for water and gas is available at no extra charge.
 In this case, the article codes start with 50.

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 400M, WITH FOUR BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code	
65	400	73 – 80	51.03.073080.40	
	400	76 – 85	51.03.076085.40	
	400	82 – 90	51.03.082090.40	
80	400	87 – 95	51.03.087095.40	
	400	90 – 98	51.03.090098.40	
	400	95 – 105	51.03.095105.40	
	400	98 – 108	51.03.098108.40	
	400	102 – 112	51.03.102112.40	
	400	106 – 116	51.03.106116.40	
100	400	108 – 118	51.03.108118.40	
	400	113 – 123	51.03.113123.40	
	400	118 – 128	51.03.118128.40	
	400	120 – 131	51.03.120131.40	
	400	125 – 135	51.03.125135.40	
125	400	132 – 144	51.03.132144.40	
	400	135 – 145	51.03.135145.40	
	400	140 – 152	51.03.140152.40	
150	400	151 – 161	51.03.151161.40	
	400	159 – 170	51.03.159170.40	
	400	165 – 176	51.03.165176.40	
	400	167 – 177	51.03.167177.40	
	400	170 – 182	51.03.170182.40	
	400	174 – 184	51.03.174184.40	
	400	176 – 186	51.03.176186.40	
	400	180 – 191	51.03.180191.40	
	400	186 – 196	51.03.186196.40	
175	400	193 – 203	51.03.193203.40	
	400	200 – 212	51.03.200212.40	
	400	209 – 220	51.03.209220.40	
200	400	215 – 225	51.03.215225.40	
	400	219 – 230	51.03.219230.40	
	400	222 – 233	51.03.222233.40	
	400	228 – 240	51.03.228240.40	
	400	232 – 242	51.03.232242.40	
	400	237 – 247	51.03.237247.40	
	400	239 – 249	51.03.239249.40	
	400	243 – 253	51.03.243253.40	
	400	250 – 260	51.03.250260.40	
	400	252 – 262	51.03.252262.40	
	400	261 – 271	51.03.261271.40	
	400	266 – 276	51.03.266276.40	
	250	400	270 – 280	51.03.270280.40
		400	273 – 284	51.03.273284.40
400		280 – 293	51.03.280293.40	
400		290 – 300	51.03.290300.40	
400		300 – 310	51.03.300310.40	
400		310 – 320	51.03.310320.40	
300	400	315 – 326	51.03.315326.40	
	400	320 – 330	51.03.320330.40	
	400	325 – 335	51.03.325335.40	
	400	334 – 346	51.03.334346.40	
	400	340 – 350	51.03.340350.40	
	400	350 – 360	51.03.350360.40	

As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

DN	Installation length [mm]	Pipe outer-Ø [mm]	Code
100	500	108 – 118	51.03.108118.50
	500	113 – 123	51.03.113123.50
	500	118 – 128	51.03.118128.50
	500	120 – 131	51.03.120131.50
	500	125 – 135	51.03.125135.50
125	500	132 – 144	51.03.132144.50
	500	135 – 145	51.03.135145.50
	500	140 – 152	51.03.140152.50
150	500	151 – 161	51.03.151161.50
	500	159 – 170	51.03.159170.50
	500	165 – 176	51.03.165176.50
	500	167 – 177	51.03.167177.50
	500	170 – 182	51.03.170182.50
	500	174 – 184	51.03.174184.50
	500	176 – 186	51.03.176186.50
	500	180 – 191	51.03.180191.50
175	500	186 – 196	51.03.186196.50
	500	193 – 203	51.03.193203.50
	500	200 – 212	51.03.200212.50
200	500	209 – 220	51.03.209220.50
	500	215 – 225	51.03.215225.50
	500	219 – 230	51.03.219230.50
	500	222 – 233	51.03.222233.50
	500	228 – 240	51.03.228240.50
	500	232 – 242	51.03.232242.50
	500	237 – 247	51.03.237247.50
	500	239 – 249	51.03.239249.50
	500	243 – 253	51.03.243253.50
	500	250 – 260	51.03.250260.50
	500	252 – 262	51.03.252262.50
	500	261 – 271	51.03.261271.50
	500	266 – 276	51.03.266276.50
250	500	270 – 280	51.03.270280.50
	500	273 – 284	51.03.273284.50
	500	280 – 293	51.03.280293.50
	500	290 – 300	51.03.290300.50
	500	300 – 310	51.03.300310.50
300	500	310 – 320	51.03.310320.50
	500	315 – 326	51.03.315326.50
	500	320 – 330	51.03.320330.50
	500	325 – 335	51.03.325335.50
	500	334 – 346	51.03.334346.50
	500	340 – 350	51.03.340350.50
	500	350 – 360	51.03.350360.50

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 600M, WITH SIX BOLTS

DN	Installation length [mm]	Pipe outer- \emptyset [mm]	Code	
200	600	215 – 225	51.03.215225.60	
	600	219 – 230	51.03.219230.60	
	600	222 – 233	51.03.222233.60	
	600	228 – 240	51.03.228240.60	
	600	232 – 242	51.03.232242.60	
	600	237 – 247	51.03.237247.60	
	600	239 – 249	51.03.239249.60	
	600	243 – 253	51.03.243253.60	
	600	250 – 260	51.03.250260.60	
	600	252 – 262	51.03.252262.60	
	600	261 – 271	51.03.261271.60	
	600	266 – 276	51.03.266276.60	
	250	600	270 – 280	51.03.270280.60
		600	273 – 284	51.03.273284.60
600		280 – 293	51.03.280293.60	
600		290 – 300	51.03.290300.60	
600		300 – 310	51.03.300310.60	
600		310 – 320	51.03.310320.60	
300	600	315 – 326	51.03.315326.60	
	600	320 – 330	51.03.320330.60	
	600	325 – 335	51.03.325335.60	
	600	334 – 346	51.03.334346.60	
	600	340 – 350	51.03.340350.60	
	600	350 – 360	51.03.350360.60	

As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 200 M, WITH TWO BOLTS



DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
80	200	88 – 110	51.04.088110.20
	200	100 – 120	51.04.100120.20
100	200	108 – 128	51.04.108128.20
	200	112 – 134	51.04.112134.20
	200	120 – 140	51.04.120140.20
125	200	133 – 156	51.04.133156.20
	200	138 – 160	51.04.138160.20
150	200	158 – 180	51.04.158180.20
	200	165 – 185	51.04.165185.20
	200	168 – 190	51.04.168190.20
	200	176 – 196	51.04.176196.20
175	200	190 – 210	51.04.190210.20
	200	195 – 217	51.04.195217.20
200	200	210 – 230	51.04.210230.20
	200	216 – 238	51.04.216238.20
	200	225 – 246	51.04.225246.20
	200	230 – 250	51.04.230250.20

INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
80	300	88 – 110	51.04.088110.30
	300	100 – 120	51.04.100120.30
100	300	108 – 128	51.04.108128.30
	300	112 – 134	51.04.112134.30
	300	120 – 140	51.04.120140.30
125	300	133 – 156	51.04.133156.30
	300	138 – 160	51.04.138160.30
150	300	158 – 180	51.04.158180.30
	300	165 – 185	51.04.165185.30
	300	168 – 190	51.04.168190.30
	300	176 – 196	51.04.176196.30
175	300	190 – 210	51.04.190210.30
	300	195 – 217	51.04.195217.30
200	300	210 – 230	51.04.210230.30
	300	216 – 238	51.04.216238.30
	300	225 – 246	51.04.225246.30
	300	230 – 250	51.04.230250.30
	300	238 – 260	51.04.238260.30
	300	250 – 271	51.04.250271.30
250	300	269 – 289	51.04.269289.30
	300	273 – 293	51.04.273293.30
	300	282 – 302	51.04.282302.30
	300	295 – 315	51.04.295315.30

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
300	300	314 – 335	51.04.314335.30
	300	322 – 344	51.04.322344.30
	300	337 – 358	51.04.337358.30
350	300	347 – 368	51.04.347368.30
	300	365 – 385	51.04.365385.30

LENGTH: 400 M, WITH FOUR BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
80	400	88 – 110	51.04.088110.40
	400	100 – 120	51.04.100120.40
100	400	108 – 128	51.04.108128.40
	400	112 – 134	51.04.112134.40
	400	120 – 140	51.04.120140.40
125	400	133 – 156	51.04.133156.40
	400	138 – 160	51.04.138160.40
150	400	158 – 180	51.04.158180.40
	400	165 – 185	51.04.165185.40
	400	168 – 190	51.04.168190.40
	400	176 – 196	51.04.176196.40
175	400	190 – 210	51.04.190210.40
	400	195 – 217	51.04.195217.40
200	400	210 – 230	51.04.210230.40
	400	216 – 238	51.04.216238.40
	400	225 – 246	51.04.225246.40
	400	230 – 250	51.04.230250.40
	400	238 – 260	51.04.238260.40
	400	250 – 271	51.04.250271.40
	400	269 – 289	51.04.269289.40
250	400	273 – 293	51.04.273293.40
	400	282 – 302	51.04.282302.40
	400	295 – 315	51.04.295315.40
300	400	314 – 335	51.04.314335.40
	400	322 – 344	51.04.322344.40
	400	337 – 358	51.04.337358.40
350	400	347 – 368	51.04.347368.40
	400	365 – 385	51.04.365385.40
	400	382 – 402	51.04.382402.40
	400	396 – 420	51.04.396420.40
400	400	410 – 430	51.04.410430.40
	400	420 – 440	51.04.420440.40

As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

DN	Installation length [mm]	Pipe outer-Ø [mm]	Code
80	500	88 – 110	51.04.088110.50
	500	100 – 120	51.04.100120.50
100	500	108 – 128	51.04.108128.50
	500	112 – 134	51.04.112134.50
	500	120 – 140	51.04.120140.50
125	500	133 – 156	51.04.133156.50
	500	138 – 160	51.04.138160.50
150	500	158 – 180	51.04.158180.50
	500	165 – 185	51.04.165185.50
	500	168 – 190	51.04.168190.50
	500	176 – 196	51.04.176196.50
175	500	190 – 210	51.04.190210.50
	500	195 – 217	51.04.195217.50
200	500	210 – 230	51.04.210230.50
	500	216 – 238	51.04.216238.50
	500	225 – 246	51.04.225246.50
	500	230 – 250	51.04.230250.50
	500	238 – 260	51.04.238260.50
	500	250 – 271	51.04.250271.50
	500	269 – 289	51.04.269289.50
250	500	273 – 293	51.04.273293.50
	500	282 – 302	51.04.282302.50
	500	295 – 315	51.04.295315.50
300	500	314 – 335	51.04.314335.50
	500	322 – 344	51.04.322344.50
	500	337 – 358	51.04.337358.50
350	500	347 – 368	51.04.347368.50
	500	365 – 385	51.04.365385.50
	500	382 – 402	51.04.382402.50
	500	396 – 420	51.04.396420.50
400	500	410 – 430	51.04.410430.50
	500	420 – 440	51.04.420440.50
	500	435 – 455	51.04.435455.50
	500	450 – 470	51.04.450470.50
450	500	457 – 477	51.04.457477.50
	500	485 – 508	51.04.485508.50
500	500	510 – 530	51.04.510530.50

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 600 M, WITH SIX BOLTS

DN	Installation length [mm]	Pipe outer- \emptyset [mm]	Code
300	600	314 – 335	51.04.314335.60
	600	322 – 344	51.04.322344.60
	600	337 – 358	51.04.337358.60
350	600	347 – 368	51.04.347368.60
	600	365 – 385	51.04.365385.60
	600	382 – 402	51.04.382402.60
	600	396 – 420	51.04.396420.60
400	600	410 – 430	51.04.410430.60
	600	420 – 440	51.04.420440.60
	600	435 – 455	51.04.435455.60
	600	450 – 470	51.04.450470.60
450	600	457 – 477	51.04.457477.60
	600	485 – 508	51.04.485508.60
500	600	510 – 530	51.04.510530.60

As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

Up to 855 mm outside pipe diameter and installation length 800 mm also available upon request.

MAXI 3 - THREE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

DN	Installation length [mm]	Pipe outer- \varnothing [mm]	Code
250	300	270 – 300	51.05.270300.30
300	300	310 – 340	51.05.310340.30
	300	335 – 365	51.05.335365.30
350	300	340 – 370	51.05.340370.30
	300	360 – 390	51.05.360390.30
	300	385 – 415	51.05.385415.30
	300	395 – 425	51.05.395425.30
400	300	400 – 430	51.05.400430.30
	300	410 – 440	51.05.410440.30
	300	430 – 460	51.05.430460.30
	300	435 – 465	51.05.435465.30
450	300	440 – 470	51.05.440470.30
	300	460 – 490	51.05.460490.30

INSTALLATION LENGTH: 400 M, WITH FOUR BOLTS

DN	Installation length [mm]	Pipe outer- \varnothing [mm]	Code
250	400	270 – 300	51.05.270300.40
300	400	310 – 340	51.05.310340.40
	400	335 – 365	51.05.335365.40
350	400	340 – 370	51.05.340370.40
	400	360 – 390	51.05.360390.40
	400	385 – 415	51.05.385415.40
	400	395 – 425	51.05.395425.40
400	400	400 – 430	51.05.400430.40
	400	410 – 440	51.05.410440.40
	400	430 – 460	51.05.430460.40
	400	435 – 465	51.05.435465.40
450	400	440 – 470	51.05.440470.40
	400	460 – 490	51.05.460490.40
	400	475 – 505	51.05.475505.40
500	400	485 – 515	51.05.485515.40

MAXI 3 – THREE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
350	500	360 – 390	51.05.360390.50
	500	385 – 415	51.05.385415.50
	500	395 – 425	51.05.395425.50
400	500	400 – 430	51.05.400430.50
	500	410 – 440	51.05.410440.50
	500	430 – 460	51.05.430460.50
	500	435 – 465	51.05.435465.50
450	500	440 – 470	51.05.440470.50
	500	460 – 490	51.05.460490.50
	500	475 – 505	51.05.475505.50
500	500	485 – 515	51.05.485515.50
	500	510 – 540	51.05.510540.50
	500	530 – 560	51.05.530560.50



INSTALLATION LENGTH: 600 M, WITH SIX BOLTS

DN	Installation length [mm]	Pipe outer- ϕ [mm]	Code
400	600	435 – 465	51.05.435465.60
450	600	440 – 470	51.05.440470.60
	600	460 – 490	51.05.460490.60
	600	475 – 505	51.05.475505.60
500	600	485 – 515	51.05.485515.60
	600	510 – 540	51.05.510540.60
	600	530 – 560	51.05.530560.60
	600	535 – 565	51.05.535565.60
	600	555 – 585	51.05.555585.60
	600	570 – 600	51.05.570600.60
	600	585 – 615	51.05.585615.60
600	600	610 – 640	51.05.610640.60
	600	620 – 650	51.05.620650.60
	600	630 – 660	51.05.630660.60
	600	654 – 684	51.05.654684.60
	600	702 – 732	51.05.702732.60
700	600	711 – 741	51.05.711741.60
	600	747 – 777	51.05.747777.60
750	600	780 – 810	51.05.780810.60
	600	813 – 843	51.05.813843.60
	600	852 – 882	51.05.852882.60
800	600	864 – 894	51.05.864894.60
	600	900 – 930	51.05.900930.60
900	600	925 – 955	51.05.925955.60
	600	945 – 975	51.05.945975.60
	600	970 – 1000	51.05.9701000.60

As standard, all products are fitted with EPDM sealing for water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 3 - THREE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 700 MM, WITH SEVEN BOLTS

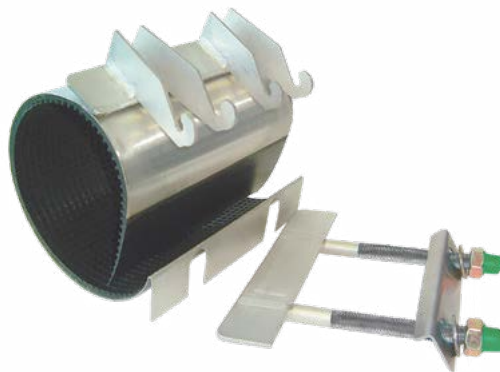
DN	Installation length [mm]	Pipe outer-Ø [mm]	Code
400	700	435 - 465	51.05.435465.70
450	700	440 - 470	51.05.440470.70
	700	460 - 490	51.05.460490.70
	700	475 - 505	51.05.475505.70
500	700	485 - 515	51.05.485515.70
	700	510 - 540	51.05.510540.70
	700	530 - 560	51.05.530560.70
	700	535 - 565	51.05.535565.70
	700	555 - 585	51.05.555585.70
600	700	570 - 600	51.05.570600.70
	700	585 - 615	51.05.585615.70
	700	610 - 640	51.05.610640.70
	700	620 - 650	51.05.620650.70
	700	630 - 660	51.05.630660.70
700	700	654 - 684	51.05.654684.70
	700	702 - 732	51.05.702732.70
750	700	711 - 741	51.05.711741.70
	700	747 - 777	51.05.747777.70
800	700	780 - 810	51.05.780810.70
	700	813 - 843	51.05.813843.70
	700	852 - 882	51.05.852882.70
900	700	864 - 894	51.05.864894.70
	700	900 - 930	51.05.900930.70
	700	925 - 955	51.05.925955.70
	700	945 - 975	51.05.945975.70
	700	970 - 1000	51.05.9701000.70

As standard, all products are fitted with EPDM sealing for water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

UNIFIX MAXI CLAMP – SLIM VERSION**EASY
GRIP**

All Maxi clamps are also available in the following special versions - the SLIM version.

The Slim version is a perfect solution for places where there is not enough space for repair.

**SLIM VERSION - FEATURES****Are you installing in tight spaces?**

With the Slim you can simply unhook the plate with the mounting bolts leaving you with only a 10 mm opening required for installation.

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS

EASY
GRIP

One-, two- or three-part Maxi clamps are available in versions with different outlets:

- with female thread,
- with male thread,
- with female/male thread



TECHNICAL SPECIFICATIONS: UNIFIX MAXI WITH THREADED OUTLET

SEALING CLAMP: stainless steel 1.4301 (V2A) similar to AISI 304

BOLTS: stainless steel 1.4301 (V2A) similar to AISI 304; dimensions – depending on the diameter – M12, M14 or M16.

NUTS: stainless steel 1.4301 (V2A) similar to AISI 304; sizes: M12, M14 or M16.

BRIDGE: stainless steel 1.4301 (V2A) similar to AISI 304

BRIDGE PLATE: stainless steel 1.4301 (V2A) similar to AISI 304. The bridge plate is vulcanised into the sealing.

SEALING: As standard, EPDM sealing (for water) is used, alternatively NBR sealing is provided (for gas). The sealing features a honeycombed structure and ensures optimal sealing together with the O-ring seal at the outlet.

After welding, all stainless steel parts are passivated in order to achieve a high degree of protection against corrosion.

All products are also available in stainless steel V4A.

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS

EASY
GRIP

THREADED OUTLETS:

Female thread: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"**Male thread:** 2 1/2", 3"**Female/male thread:** 2" female, 2 1/2" male**MINIMUM DIMENSIONS PIPE OUTER-Ø AND MINIMUM NEEDED
INSTALLATION LENGTHS ON THREADED OUTLETS:**

Threaded connector	Middle respectively Maxi 1*		Maxi 2	
	Minimum pipe outer-Ø [mm]	Minimum installation length [mm]	Minimum pipe outer-Ø [mm]	Minimum installation length [mm]
1/2"	40 – 44	150	88–110	200
3/4"	48 – 55	150	88–110	200
1"	67 – 74	150	88–110	200
1 1/4"	82– 89	150	88–110	200
1 1/2"	95–105	150	88–110	200
2"	95–105	150	88–110	200
2 1/2"	108–118	300	108–128	300
3"	–	–	108–128	400
4"	–	–	133–153	400

*** Important: for products with a threaded outlet:****Pipe-outer Ø up to 65 mm: gebounifix Middle (installation length 150 mm)****Pipe-outer Ø from 65 mm: gebounifix Maxi**

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS

EASY
GRIP

TECHNICAL SPECIFICATIONS: UNIFIX MAXI WITH FLANGE CONNECTION

- The flange version is only available for our two- or three-part Maxi clamps and fits ranges from 88–110 mm to 768–798 mm. The installation lengths are optionally 300, 400, 500, 600, 800 and 1000 mm.
- The materials are the same as for Maxi clamps with a threaded outlet with the following additional information about the welded flange: stainless steel 1.4301 (V2A) similar to AISI 304, WIG welded (Wolfram Inert Gas) on the inside and outside to create a full weld of the external body and flange. The absolute overall height of the outlet is approx. 120 mm for flanges to DN 150 and approx. 150 mm for flanges DN 200–DN 300.
- Flange connections: stainless steel 1.4301 (V2A) similar to AISI 304; flanges according to DIN EN 1092-1, from DN50 to DN300.
- After welding, stainless steel parts are passivated in order to achieve a high degree of protection against corrosion.
- All products are also available in stainless steel V4A.
- Outside pipe diameter 545 mm and up is delivered as a three part Maxi as standard version.
- A version with bolts pointed downward is also possible.
- **Pressure stages vary depending on the outer diameter of the pipes, materials used and the flange version. The pressures listed in the table are solely intended as a guideline.**
- Seal made of EPDM (for water) or alternatively of NBR (for gas)

UNIFIX MAXI WITH FLANGE CONNECTION FOR TWO- OR THREE-PART CLAMPS

EASY
GRIP

PRESSURE TABLE

Pipe outer diameter [mm]	Pressure stage [bar]	
	Water	Gas
88–210	16	4
216–410	10	3
420–798	6	2


**MINIMUM REQUIRED OUTSIDE DIAMETER AND MINIMUM
REQUIRED LENGTH FOR MAXI WITH FLANGE OUTLET**


Flange	Minimum pipe outer Ø [mm]	Minimum installation length	Flange adapter
DN 50	88 – 110	300	PN 10/16
DN 65	88 – 110	300	PN 10/16
DN 80 PLUS	88 – 110	400	PN 10/16
DN 80	108 – 128	400	PN 10/16
DN 100 PLUS	108 – 128	400	PN 10/16
DN 100	133 – 153	400	PN 10/16
DN 125	135 – 155	400	PN 10/16
DN 150 PLUS	158 – 180	400	PN 10/16
DN 150	169 – 189	400	PN 10/16
DN 200 PLUS	210 – 230	500	PN 10
DN 200, 8 holes	240 – 260	500	PN 10
DN 200, 12 holes	240 – 260	500	PN 16
DN 250 PLUS	240 – 260	600	PN 10
DN 250	315 – 325	600	PN 10
DN 300	upon request		

PLUS = contains a stainless steel reduction piece for a smaller DN size.

UNIFIX MAXI 2 WITH FLANGE OUTLET



DN	Pipe outer-Ø [mm]	Installation length [m]					
		300	400	500	600	800	1000
80	88–110	X	X	X	X		
	100–120	X	X	X	X		
100	108–128	X	X	X	X		
	114–134	X	X	X	X		
	120–140	X	X	X	X		
	130–150	X	X	X	X		
125	133–155	X	X	X	X		
	135–155	X	X	X	X		
	140–160	X	X	X	X		
150	158–180	X	X	X	X		
	165–185	X	X	X	X		
	168–189	X	X	X	X		
	170–190	X	X	X	X		
	176–196	X	X	X	X		
	180–200	X	X	X	X		
175	190–210	X	X	X	X		
	195–217	X	X	X	X		
	205–225	X	X	X	X		
200	210–230	X	X	X	X		
	216–238	X	X	X	X		
	225–246	X	X	X	X		
	230–250	X	X	X	X		
	240–260	X	X	X	X		
225	252–272	X	X	X	X		
	260–280	X	X	X	X		
	269–289	X	X	X	X		
250	273–293	X	X	X	X		
	282–302	X	X	X	X		
	295–315	X	X	X	X		

UNIFIX MAXI 2 WITH FLANGE OUTLET

EASY
GRIP

DN	Pipe outer-Ø [mm]	Installation length [m]					
		300	400	500	600	800	1000
300	314-334	X	X	X	X		
	322-344	X	X	X	X		
	335-355	X	X	X	X		
350	347-367		X	X	X		
	350-368		X	X	X		
	360-380		X	X	X		
	365-385		X	X	X	X	
	382-402		X	X	X	X	
	396-420		X	X	X	X	
	404-424		X	X	X	X	
400	410-430		X	X	X	X	
	420-440			X	X	X	
	435-455			X	X	X	
	468-488			X	X	X	
500	485-505			X	X	X	
	527-547				X	X	
	545-575				X	X	
	568-598				X	X	
600	588-618				X	X	
	610-640				X	X	X
	628-658				X	X	X
	648-678					X	X
	668-698					X	X
	688-718					X	X
700	708-738					X	X
	728-758					X	X
750	748-778					X	X
	768-798					X	X

UNIFIX-MAXI BOX S

Our **economic** repair box. Nine different sizes of Unifix Maxi stainless steel repair clamps for all types of pipe from 60 mm to 170 mm outside-Ø – **ALL IN ONE BOX!**

SUITABLE FOR:

STEEL PIPE | CAST IRON PIPE | DUKTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA

ABOUT OUR UNIFIX MAXI BOX S

This repair box contains nine different repair clamps (**all in 200 mm installation length**) for various pipes from DN 50 to DN 150. The following table indicates which types of pipe are covered by which sizes of sealing clamp

CAUTION: The nine stainless steel clamps are cannot be combined with each other.

WEIGHT: 22 kg

BOX DIMENSIONS: 600 x 400 x 230 mm

BOLTS: Stainless steel 1.4301 (V2A) similar to AISI 304; M14

SPANNER PLATE: Stainless steel 1.4301 (V2A) similar to AISI 304, vulcanized into the seal

SEAL: Stainless steel sealing clamps with EPDM seal for water or NBR seal for gas.

PRESSURE STAGES: The permissible pressure stages vary depending on the type of pipe, pipe outer diameter and type of damage. The values in the tables are therefore to be understood as a guideline.



Item no.: 50.03.20.1
(with NBR seal)

Item no.: 51.03.20.1
(with EPDM-seal)

Pipe outer-Ø (mm-)	Pressure level (bar-)	
	Water	Gas
48 – 95	16	5
88 – 170	16	4

Item No.
50.03.20.1 (with NBR seal)
51.03.20.1 (with EPDM seal)

CONTENT MAXI BOX S

- Stainless steel clamps Unifix Maxi
- 1 piece UNIFIX MAXI 60 – 67 mm
 - 1 piece UNIFIX MAXI 70 – 77 mm
 - 1 piece UNIFIX MAXI 82 – 90 mm
 - 1 piece UNIFIX MAXI 90 – 98 mm
 - 1 piece UNIFIX MAXI 98 – 108 mm
 - 1 piece UNIFIX MAXI 108 – 118 mm
 - 1 piece UNIFIX MAXI 118 – 128 mm
 - 1 piece UNIFIX MAXI 132 – 144 mm
 - 1 piece UNIFIX MAXI 159 – 170 mm

Maxi 1	DN Nominal Width	Inch	Fibre cement pipe							
			Cast iron	Steel	PVC	PN 2.5	PN 6	PN 10	PN 12.5 ca.	PN 12.5 non cal.
60 – 67	50	2	66	60.3	63	-	-	-	-	-
70 – 77	60	-	77	70.0	-	-	-	-	-	-
	65	2 1/2	-	76.1	75	-	-	-	-	-
82 – 90	65	2 1/2	82	-	-	-	-	-	83	85
	70	-	87	-	-	-	-	-	-	-
90 – 98	80	3	98	88.9	90	-	-	98	-	-
98 – 108	80	3	-	-	-	-	-	-	100	104
	90	-	108	101.6	-	-	-	-	-	-
108 – 118	100	4	118	108 / 114.3	110	-	-	-	-	-
118 – 128	100	4	-	-	-	-	118	120	124	130
132 – 144	125	-	144	133 / 139.7	140	-	-	-	-	-
159 – 170	125	-	-	-	-	-	-	-	-	159
	150	6	170	159 / 168.3	160	168	-	-	-	-

UNIFIX-MAXI BOX L

EASY GRIP

Our **most flexible repair box**.

44 different repair facilities with Gebo Unifix stainless steel clamps for all types of pipe from 48 mm to 359 mm outside-Ø – **ALL IN ONE BOX!**

SUITABLE FOR

STEEL PIPE | CAST IRON PIPE | DUCTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA

ABOUT OUR UNIFIX MAXI BOX L

This repair set includes a total of 20 sealing clamps and the corresponding clamping plates

DIMENSIONS OF THE BOX: 800 x 600 x 600 mm

A „modular system“ for repairs to be made on pipes with a diameter of 48 - 359 mm. Each sealing clamp can be used individually or connected to another sealing clamp, creating one, two or three part sealing clamps. The concept is to combine the various sealing clamps to allow the desired outside pipe diameter to be sealed

THE INSTALLATION LENGTH OF THE CLAMPS IS GENERALLY 300 MM

BOLTS: Stainless steel 1.4301 (V2A) similar to AISI 304, M14

CLAMPING PLATES: Stainless steel 1.4301 (V2A) similar to AISI 304

SEAL: The Seal is available as EPDM for water or NBR for gas. It features honeycombed structure and bevelled ends.

PRESSURE STAGES: The permissible pressure stages vary depending on number of elements, the type of pipe, pipe outer diameter and type of damage.

The values in the tables are therefore to be understood as a guideline.



Item no.: 50.03.30.1 (with NBR seal)

Item no.: 51.03.30.1 (with EPDM seal)

Pipe Outer-Ø (mm)	Maximum pressure stages (bar)	
	Water	Gas
48- 95	16	5
88-282	16	4
282-359	10	3

Item No.
50.03.30.1 (with NBR seal)
51.03.30.1 (with EPDM seal)

Content Maxi Box L

- Stainless steel clamps Unifix Maxi
- 3 pieces UNIFIX MAXI 48 – 55 mm (section 1)
 - 3 pieces UNIFIX MAXI 52 – 59 mm (section 2)
 - 3 pieces UNIFIX MAXI 60 – 67 mm (section 3)
 - 3 pieces UNIFIX MAXI 70 – 77 mm (section 4)
 - 3 pieces UNIFIX MAXI 82 – 90 mm (section 5)
 - 3 pieces UNIFIX MAXI 90 – 98 mm (section 6)
 - 1 piece UNIFIX MAXI 102 – 112 mm (section 7)
 - 1 piece UNIFIX MAXI 118 – 128 mm (section 8)

- Clamping plates:
- 8 different radii of curvature of clamping plates (5 pieces per size)

Section	Length	Pipe Outer-Ø (mm)	Code
1	300	48- 55	51.03.30.1.1
2	300	52- 59	51.03.30.1.2
3	300	60- 67	51.03.30.1.3
4	300	70- 77	51.03.30.1.4
5	300	82- 90	51.03.30.1.5
6	300	90- 98	51.03.30.1.6
7	300	102-112	51.03.30.1.7
8	300	118-128	51.03.30.1.8

Clamping plates	Code
D	51.03.30.1.D
E	51.03.30.1.E
G	51.03.30.1.G
H	51.03.30.1.H
I	51.03.30.1.I
J	51.03.30.1.J
K	51.03.30.1.K
L	51.03.30.1.L

HOW IT WORKS

Take the outside diameter of the damaged pipe.

Select the right combination of the stainless steel bands and the suitable clamping plates (according to the table)

For smaller pipe dimensions the single clamps can be used. Bigger pipe dimensions can be covered by combination of various sealing clamps. All sealing clamps have a length of 300 mm with four bolts.

The clamping plates are available with different curvature radii. These must be designed for the respective pipe outer diameter that you want to repair.

The clamping plates are included separately and are not, as usual, vulcanized into the sealing sleeve.

During "pre-assembly", the clamping plates are glued

The spanner plates have a double side glued tape, so that they can easily fixed into the clamp.



Put the combined clamp after the assembly together and install – done!

All components of the Maxi Box L can be ordered separately.

Pipe outer-Ø (mm)	Sections	Clamping plates
48– 55	1	D
52– 59	2	D
60– 67	3	E
70– 77	4	E
82– 90	5	G
90– 98	6	G
102–112	7	I
106–126	1 + 1	2 x H
112–132	2 + 1	2 x I
118–128	8	I
118–138	2 + 2	2 x I
124–144	3 + 2	2 x J
130–150	3 + 3	2 x J
140–160	4 + 3	2 x J
150–170	4 + 4	2 x J
163–183	5 + 4	2 x K
164–194	1 + 1 + 1	3 x K
170–200	2 + 1 + 1	3 x K
176–196	5 + 5	2 x K
176–206	2 + 2 + 1	3 x K
182–202	6 + 5	2 x K
182–212	2 + 2 + 2	3 x K

Pipe outer-Ø (mm)	Sections	Clamping plates
188–208	6 + 6	2 x K
188–218	3 + 2 + 2	3 x K
194–224	3 + 3 + 2	3 x K
195–215	7 + 5	2 x K
200–230	3 + 3 + 3	3 x K
201–231	7 + 6	2 x K
210–240	4 + 3 + 3	3 x K
217–237	8 + 6	2 x L
220–250	4 + 4 + 3	3 x L
230–250	8 + 7	2 x L
230–260	4 + 4 + 4	3 x L
243–273	5 + 4 + 4	3 x L
256–286	5 + 5 + 4	3 x L
269–299	5 + 5 + 5	3 x L
275–305	6 + 5 + 5	3 x L
281–311	6 + 6 + 5	3 x L
287–317	6 + 6 + 6	3 x L
288–318	7 + 5 + 5	3 x L
294–324	7 + 6 + 5	3 x L
300–330	7 + 6 + 6	3 x L
316–346	8 + 6 + 6	3 x L
329–359	8 + 7 + 6	3 x L

UNIFIX MAXI BOX XL

Our **greatest** repair box.

Five different sizes of Unifix Maxi repair clamps for the repair of various pipe materials from 90 – 669 mm outside-Ø – ALL IN ONE BOX!

SUITABLE FOR

STEEL PIPE | CAST IRON PIPE | DUKTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA

ABOUT OUR MAXI BOX XL

The concept works like this: repair various outside pipe diameters by connecting the various sections contained in the Maxi XL Box

The sections [A – E] can be used also separately for the corresponding pipe diameter

Dimensions of the box: 800 x 600 x 600 mm

The installation length of the sealing clamps is generally 400 mm.

Tip: Using the content of two Maxi XL boxes you can also repair pipes up to an outside pipe diameter of 1086 mm. And the box even has enough space to hold twice its content.

Materials: Sealing clamps, bolts (M16): Stainless steel 1.4301 (V2A) similar to AISI 304

Seal: The Seal is available as **EPDM** for water or **NBR** for gas. It features honeycombed structure and bevelled ends.

Pressure stages: The permissible pressure stages vary depending on the number of elements, the type of pipe, pipe outer diameter and type of damage.

Therefore all figures are „guidelines“:

Pipe outer-Ø (mm)	Maximum pressure stages (bar)	
	Water	Gas
213– 282	16	4
282– 460	10	3
460– 630	6	2
630– 813	4	1
813–1086	2	0,5

Item no.
50.03.40.1 (with NBR seal)
51.03.40.1 (with EPDM seal)



Content Maxi Box XL

- STAINLESS STEEL CLAMPS UNIFIX MAXI
- 1 piece UNIFIX MAXI 90 – 98 mm (section A)
 - 1 piece UNIFIX MAXI 111 – 121 mm (section B)
 - 1 piece UNIFIX MAXI 131 – 141 mm (section C)
 - 1 piece UNIFIX MAXI 160 – 170 mm (section D)
 - 1 piece UNIFIX MAXI 190 – 200 mm (section E)

HOW IT WORKS

Measuring the outer diameter of the damaged pipe

Select the right combination of the stainless steel bands (according to the table), available in each box and hook them into.

REPAIRS WITH MAXI BOX XL (SINGLE EQUIPMENT)

Area / Pipe outer-Ø (mm)	Sections
213-233	A + B
233-253	A + C
253-273	B + C
264-284	A + D
284-304	B + D
294-314	A + E
304-324	C + D
314-334	B + E
335-355	C + E
354-384	A + B + C
386-416	A + B + D
406-436	A + C + D
416-446	A + B + E
426-456	B + C + D
436-466	A + C + E
456-486	B + C + E
467-497	A + D + E
487-517	B + D + E
508-538	C + D + E
527-567	A + B + C + D
558-598	A + B + C + E
589-629	A + B + D + E
609-649	A + C + D + E
629-669	B + C + D + E

REPAIR WITH A „DOUBLE EQUIPMENT“ OF MAXI BOX XL

Area / Pipe outer-Ø (mm)	Sections
694- 744	E + E + B + A + A
728- 778	E + E + C + B + A
796- 846	E + E + D + C + B
816- 866	E + E + D + C + C
894- 954	E + E + D + C + B + A
928- 988	E + E + D + D + B + A
982-1042	E + E + D + D + C + C
1026-1086	E + E + D + C + C + B + A

Install them according to the assembly instruction – done!

If a stainless steel clamp of Maxi Box XL is used up it can be ordered separately.

HOW TO FIND THE CORRECT ARTICLE NUMBER?

All GEBO article numbers have a specific meaning.

This means that the article number contains precise information about the product type/version, size and material of the product.

The article numbers form a modular system. This is an example:

AN EXAMPLE OF A PRODUCT NUMBER AND EXPLANATION:

51	Sealing clamp of stainless steel V2A with EPDM seal
06	Type Maxi, one-part, with female thread outlet
120131	pipe outer diameter: from 120 to 131 mm
20	length 200 mm
5	threaded outlet 1 1/2"

ALTOGETHER, IT LOOKS LIKE THIS:

51 . 06 . 120131 . 20 . 5

EXAMPLE: ITEM NUMBER CONFIGURATION FOR A MINI

- ① Stainless steel sealing clamp made of V2A with EPDM seal
- ② Type Mini
- ③ For outside pipe-Ø from/to: 21–25 mm
- ④ Installation length: 100 mm

51 . 01 . 021025 . 10

EXAMPLE: ITEM NUMBER CONFIGURATION FOR A MAXI

- ① Stainless steel sealing clamp made of V2A with EPDM seal
- ② Type Maxi 1 with female thread
- ③ For outside pipe-Ø from/to: 82–89 mm
- ④ Installation length: 150 mm
- ⑤ Threaded outlet: 1"

51 . 06 . 082089 . 15 . 3

SEAL MATERIALS		DIFFERENT TYPES		DIMENSIONS	INSTALLATION LENGTH	THREADED OUTLET	
50	V2A with NBR	01	Mini	**** from**** to****	06 60 mm	1	½"
51	V2A with EPDM	02	Middle		10 100 mm	2	¾"
52	V2A with Viton	03	Maxi 1		15 150 mm	3	1"
56	Slim with NBR	04	Maxi 2		20 200 mm	4	1½"
57	Slim with EPDM	05	Maxi 3		30 300 mm	5	1½"
58	Slim with Viton	06	Maxi 1 (female thread)		40 400 mm	6	2"
59	V4A with NBR	07	Maxi 2 (female thread)		50 500 mm	7	2½"
60	V4A with EPDM	08	Maxi 3 (female thread)		60 600 mm	8	3"
61	V4A with Viton	09	Maxi 1 (male thread)		70 700 mm	9	4"
		10	Maxi 2 (male thread)				
		11	Maxi 3 (male thread)				
		12	Maxi 1 (female/male thread)				
		13	Maxi 2 (female/male thread)				
		14	Maxi 3 (female/male thread)				
		15	Maxi 2 (flange connector)				
		16	Maxi 3 (flange connector)				
		21	Tapping Saddles				
						FLANGE OUTLET	
						a	DN 50
						b	DN 65
						c	DN 80 Plus
						d	DN 80
						e	DN 100 Plus
						f	DN 100
						g	DN 125
						h	DN 150 Plus
						i	DN 150
						j	DN 200 Plus
						k	DN 200
						l	DN 250

In Unifix without threaded or flanged outlets omit the section indicated in green.

DIMENSION TABLE FOR PRESSURE PIPES

DN PIPE TYPE	THREADED STEEL PIPE	STEEL-BLACK STEEL PIPE	STEEL PIPE WITH PE COVERING	STAINLESS STEEL	GRAY CAST IRON PN8/PN16	DuCTILE CAST IRON
40	48.3	51.0	51.9	48.3	56.0	56.0
50	60.3	57.0	63.9	60.3	66.0	66.0
65	76.1	70.0	79.7	76.1	77.0	82.0
80	88.9	88.9	92.5	88.9	98.0	98.0
100	114.3	108.0	117.5	114.3	118.0	118.0
125	139.7	133.0	144.0	139.7	144.0	144.0
150	168.3	159.0	168.3	168.3	170.0	170.0
200	219.1	216.0	219.1	219.1	222.0	222.0
250	273.0	267.0	273.0	273.0	274.0	274.0
300	323.9	318.0	323.9	323.9	326.0	326.0
350	355.6	368.0	360.0		378.0	378.0
400	406.4	419.0	410.8		429.0	429.0
450	457.0		461.4		480.0	480.0
500	508.0		513.0		532.0	532.0
			564.0		583.0	
600	610.0		615.0		634.0	635.0
			665.0			
700	711.0		716.0		738.0	738.0
			767.0			
800	813.0		819.0		842.0	842.0
			870.0			
900	914.0		920.0		945.0	945.0
1000	1016.0		1022.0		1048.0	1048.0

DIMENSION TABLE FOR PRESSURE PIPES

DN PIPE TYPE	PE	PVC	PE-Xa	FIBRE-CEMENT PIPES			
				PN 10	PN 10	PN 12.5	PN 12.5
				cal.	uncal.	cal.	uncal.
40	50.0	50.0	50.0				
50	63.0	63.0	63.0				
65	75.0	75.0	75.0			83.0	85.0
80	90.0	90.0	90.0	98.0	102.0	100.0	104.0
100	110.0	110.0	110.0	120.0	128.0	124.0	130.0
	125.0	125.0	125.0				
125	140.0	140.0	140.0	149.0	154.0	153.0	159.0
150	160.0	160.0	160.0	178.0	184.0	182.0	190.0
	180.0	180.0	180.0				
200	200.0	200.0	200.0	234.0	243.0	240.0	252.0
	225.0	225.0	225.0				
250	250.0	250.0	250.0	286.0	288.0	296.0	308.0
	280.0	280.0	280.0				
300	315.0	315.0	315.0	342.0	346.0	352.0	368.0
350	355.0	355.0	355.0	400.0	404.0	410.0	428.0
400	400.0	400.0	400.0	456.0	460.0	470.0	488.0
450	450.0	450.0	450.0	510.0		524.0	546.0
500	500.0	500.0	500.0	564.0		582.0	606.0
	560.0	560.0	560.0				
600	630.0	630.0	630.0	678.0		698.0	726.0
700	710.0	710.0	710.0		792.0		
800	800.0	800.0	800.0				
900	900.0	900.0	900.0				
1000	1000.0	1000.0	1000.0		1126.0		

gebovario

**STAINLESS STEEL CORRUGATED
PIPE SYSTEM**



FULL RANGE



TOOLBOX

P. 267

Tool set for flanging flexible corrugated tubes



VARIOWATER FLEXIBLE CORRUGATED PIPE

P. 269

High quality stainless steel pipe system



VARIOWATER FLEXIBLE AND EXTENSIBLE PIPES

P. 271



VARIOGAS FLEXIBLE CORRUGATED PIPE

P. 271



VARIOGAS FLEXIBLE AND EXTENSIBLE PIPES

P. 273



VARIOSOLAR FLEXIBLE CORRUGATED PIPE

P. 275

Polyurethane coated stainless steel pipes



NUTS AND NIPPLES

P. 276

Brass nuts and nipples



VARIOFLEX GAS PIPE SYSTEM

P. 287

Pliable, three-layer hose for gas installations

TOOLBOX

The kit contains:

- Manual flanging tool
- Plastic tool box
- Template for DN10 (3/8") - DN25 (1 1/4") pipes for water and solar systems
- Pipe cutter
- Instruction Manual
- 20 pcs. DN12 (1/2") nut with gasket
- 20 pcs. DN15 (3/4") nut with gasket



ADAPTER

A06-0001-5156

- Compatible with most of press machines and the regular Gebo template (DN10-25)
- Simple and fast flanging method
- Creates perfect flange

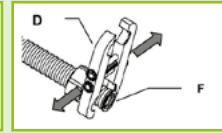
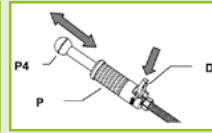
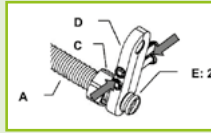
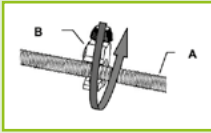


TOOLBOX

Product Number	Available from stock / *for special order only
A06-0001-2298	Toolbox for water and solar pipes
A06-0001-1969	Empty, plastic toolbox
A06-0001-2395	Manual Flanging tool – "60DB" for DN10 3/8" – DN25 1 1/4" tubes
A06-0001-5409	Tube cutter for DN10 3/8" - DN25 1 1/4" tubes
A06-0001-0878	Template for DN12 1/2" gas - DN15 3/4" water-; solar-; gas pipes
A06-0001-5156	Adapter for press machines
A06-0001-1927	Template for DN10 3/8" - DN12 1/2" water-; solar pipes
A06-0001-2292	Template for DN12 1/2" water - DN15 3/4" water-; solar-; gas pipes
A06-0001-0876	Template for DN20 1" - DN25 1 1/4" water-; solar-; gas pipes

CORRUGATED TUBE FLANGING WITH TOOLS

1. In case of coated tubes, cur the cable and remove ca. 100–200 mm of coating. Add 2x2 ribs to the planned length (for flanging).
Make sure not to damage the tube surface.
2. Cut the tube (A) with the cutter (B) in the middle of adjacent corrugations. Deburr the end of pipe.
3. Insert the nut (C) onto the tube with the thread facing the side to be flanged and place the template (D) 2 ribs (E) from the tube end.
4. Insert the tube end with the template (D) into the flanging tool (P) and form the flange with a few strong blows.
5. Remove the template (D) and check that the last 2 ribs are flattened and fit tightly.
The flange must be smooth and without burrs.



VARIOWATER FLEXIBLE CORRUGATED PIPES

- AISI304 stainless steel (to EN 10028-7)
- Wall thickness 0.3 mm
- Certified for drinking water
- Operating pressure PN 15 bar
- Max operating temperature 550 °C
(when appropriate gaskets are used)



APPLICATION

- heating
- water supply
- thermal solar system
- air-conditioning
- fan-coil

Product Number	Available from stock / *for special order only
A01-0001-0650	PIPE DN10 3/8" AISI304 – 2 m
A01-0001-0651	PIPE DN10 3/8" AISI304 – 30 m
A01-0001-1334*	PIPE DN10 3/8" AISI304 – 50 m
A01-0001-0652	PIPE DN12 1/2" AISI304 – 4 m
A01-0001-0653	PIPE DN12 1/2" AISI304 – 30 m
A01-0001-0654*	PIPE DN12 1/2" AISI304 – 50 m
A01-0001-1762*	PIPE DN12 1/2" AISI304 – 100 m
A01-0001-0655	PIPE DN15 3/4" AISI304 – 4 m
A01-0001-0656	PIPE DN15 3/4" AISI304 – 30 m
A01-0001-0657*	PIPE DN15 3/4" AISI304 – 50 m
A01-0001-1763*	PIPE DN15 3/4" AISI304 – 100 m
A01-0001-0658	PIPE DN20 1" AISI304 – 5 m
A01-0001-0659	PIPE DN20 1" AISI304 – 30 m
A01-0001-0660*	PIPE DN20 1" AISI304 – 50 m
A01-0001-1764*	PIPE DN20 1" AISI304 – 100 m
A01-0001-0661	PIPE DN25 1 1/4" AISI304 – 25 m
A01-0001-0662*	PIPE DN25 1 1/4" AISI304 – 50 m
A01-0001-3005*	PIPE DN32 1 1/2" AISI304 – 30 m

VARIOWATER EXTENDABLE, BENDABLE PIPES AND FLEXIBLE FITTINGS

- Fittings for devices operating at a max operating pressure of 10 bars
- Annealed, stainless steel ribbed pipes AISI 304 (1.4301; according to EN 10028) Certified for drinking water.
- Stainless steel (EN 10088) fitting with tapered Male thread according to EN 10226 R / ISO 7 R
- Stainless steel (EN 10088) fittings for union nuts, with groove for sealing
- Nickel-plated brass (CW617N according to EN 12164 / EN 12165) threaded [according to G - ISO 228] union nuts
- Flat rubber seal approved for drinking water

EXTENDABLE, BENDABLE PIPES



Product Number				Lmin - Lmax [mm]
A13-0001-3359*	DN15	Male thread R 1/2	Female thread G 1/2	80-120
A13-0001-3360*	DN15	Male thread R 1/2	Female thread G 1/2	120-200
A13-0001-3361*	DN15	Male thread R 1/2	Female thread G 1/2	220-400
A13-0001-3362*	DN20	Male thread R 3/4	Female thread G 3/4	80-120
A13-0001-3363*	DN20	Male thread R 3/4	Female thread G 3/4	120-200
A13-0001-3364*	DN20	Male thread R 3/4	Female thread G 3/4	220-400
A13-0001-3365*	DN25	Male thread R 1	Female thread G 1	80-120
A13-0001-3366*	DN25	Male thread R 1	Female thread G 1	120-200
A13-0001-3367*	DN25	Male thread R 1	Female thread G 1	220-400
A13-0001-3368*	DN15	Male thread R 1/2	Female thread G 3/4	80-120
A13-0001-3369*	DN15	Male thread R 1/2	Female thread G 3/4	120-200
A13-0001-3370*	DN15	Male thread R 1/2	Female thread G 3/4	220-400
A13-0001-4853*	DN15	Male thread R 1/2	Female thread G 1/2	320-600
A13-0001-4854*	DN20	Male thread R 3/4	Female thread G 3/4	320-600

* AVAILABLE ON ORDER

FLEXIBLE FITTINGS



Product Number				Lmin - Lmax [mm]
A13-0001-3377*	DN20	Female thread R 3/4	Female thread G 1	170-300
A13-0001-3378*	DN20	Female thread R 3/4	Female thread G 1 1/4	170-300
A13-0001-3379*	DN25	Female thread R 1	Female thread G 1 1/4	170-300
A13-0001-3380*	DN20	Male thread R 3/4	Female thread G 1	170-300
A13-0001-3381*	DN20	Male thread R 3/4	Female thread G 1 1/4	170-300
A13-0001-3382*	DN25	Male thread R 1	Female thread G 1 1/4	170-300

* AVAILABLE ON ORDER

VARIOGAS STAINLESS, RIBBED, HAND-BENDABLE STEEL PIPES | AISI 316L FOR GAS INSTALLATION

FLEXIBLE RIBBED PIPES

- AISI 316L (1.4404; EN 10028-7) steel, with yellow LDPE protective cover
- Approved for gas according to European standard EN 15266
- Maximum operating pressure: PN: 0.5 bar
- Maximum operating temperature of sheathed pipe: 100 °C
- Only NBR seals according to EN 682 gas standard may be used

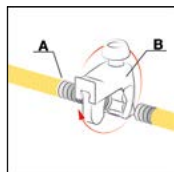


Product Number		Fitting thread	Length	Inner diameter Di (mm)	Outer diameter De (mm)	Wall thickness S (mm)	Sheath thickness (mm)	Len Female surface per unit length (m ² /m)	Male surface per unit length (m ² /m)	Volume per unit length (L/m)
A01-0001-0691	Gas pipe DN12	1/2"	5 m	12,0	15,8	0,3	0,5	0,0540	0,0568	0,1500
A01-0001-0692	Gas pipe DN12	1/2"	10 m	12,0	15,8	0,3	0,5	0,0540	0,0568	0,1500
A01-0001-0693*	Gas pipe DN12	1/2"	25 m	12,0	15,8	0,3	0,5	0,0540	0,0568	0,1500
A01-0001-0694*	Gas pipe DN12	1/2"	50 m	12,0	15,8	0,3	0,5	0,0540	0,0568	0,1500
A01-0001-1768*	Gas pipe DN12	1/2"	100 m	12,0	15,8	0,3	0,5	0,0540	0,0568	0,1500
A01-0001-0697	Gas pipe DN15	3/4"	5 m	15,8	20,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-0698	Gas pipe DN15	3/4"	10 m	15,8	20,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-0699*	Gas pipe DN15	3/4"	25 m	15,8	20,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-0700*	Gas pipe DN15	3/4"	50 m	15,8	20,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-1769*	Gas pipe DN15	3/4"	100 m	15,8	20,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-0703	Gas pipe DN 20	1"	5 m	19,7	25,0	0,3	0,5	0,0702	0,0730	0,2480
A01-0001-0704*	Gas pipe DN 20	1"	10 m	19,7	25,0	0,3	0,5	0,0912	0,0942	0,3830
A01-0001-0705*	Gas pipe DN 20	1"	25 m	19,7	25,0	0,3	0,5	0,0912	0,0942	0,3830
A01-0001-0706*	Gas pipe DN 20	1"	50 m	19,7	25,0	0,3	0,5	0,0912	0,0942	0,3830
A01-0001-1770*	Gas pipe DN 20	1"	100 m	19,7	25,0	0,3	0,5	0,0912	0,0942	0,3830
A01-0001-0707	Gas pipe DN 25	1 1/4"	5 m	26,5	33,0	0,3	0,5	0,1313	0,1345	0,700
A01-0001-0708*	Gas pipe DN 25	1 1/4"	10 m	26,5	33,0	0,3	0,5	0,1313	0,1345	0,700
A01-0001-0709*	Gas pipe DN 25	1 1/4"	25 m	26,5	33,0	0,3	0,5	0,1313	0,1345	0,700
A01-0001-0710*	Gas pipe DN 25	1 1/4"	50 m	26,5	33,0	0,3	0,5	0,1313	0,1345	0,700

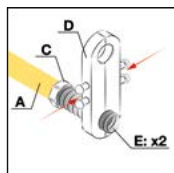
* AVAILABLE ON ORDER



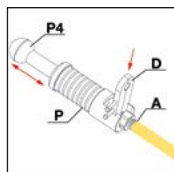
VARIOGAS STAINLESS, RIBBED, HAND-BENDABLE STEEL PIPES | AISI 316L FOR GAS INSTALLATION



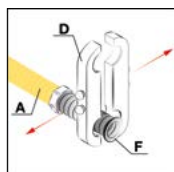
1) Remove the sheath from ribs 8–9, then use a pipe cutter (B) to cut the pipe (A) exactly in the middle of the recess between the two ribs. Leave 4 ribs on the desired length.



2) Place the union nut (C) on the pipe (A) so that its threaded end is towards the pipe end to be flanged, then place the clamping vise (D) in the middle of the second rib of the pipe end so that the flange can be made by compacting two ribs (E).



3) Insert the pipe end with the vise (D) into the flanging hammer (P), then compact the two ribs with a few strong hammer blows (P4) to form the flange.



4) Open the vise (D), remove the flanged pipe end (P) and check that the flange (F) is completely flat and warp free, otherwise repeat the flanging.



5) After the connection has been made, the pipe section without the yellow sheath and the part of the fitting facing the connection must be covered with protective PVC tape! (see page 118)

VARIOGAS STAINLESS, EXTENDABLE, BENDABLE PIPES AND FLEXIBLE FITTINGS

- Maximum operating pressure: PN 0.5 bar
- Outdoor and indoor applicability: Between -20 °C and +120 °C
- Annealed, stainless steel pipes AISI 316L (1.4404; according to EN 10028)
- Yellow protective sheath
- Stainless steel (EN 10088) fittings with tapered Male thread according to EN 10226 R / ISO 7 R
- Stainless steel (EN 10088) fittings for union nuts, with groove for sealing
- Nickel-plated brass (CW617N according to EN 12164 / EN 12165) threaded (according to G - ISO 228) union nuts
- Flat, gas-approved rubber sealing rings

EXTENDABLE, BENDABLE PIPES

- Connection of household gas appliances: 1 – lighting gas, 2 – natural gas, 3 – LPG

Product Number				Lmin – Lmax [mm]
A13-0001-3468*	DN15	Male thread R ½	Female thread G ½	80-120
A13-0001-3469*	DN15	Male thread R ½	Female thread G ½	120-200
A13-0001-3470*	DN15	Male thread R ½	Female thread G ½	220-400
A13-0001-3350*	DN20	Male thread R ¾	Female thread G ¾	80-120
A13-0001-3351*	DN20	Male thread R ¾	Female thread G ¾	120-200
A13-0001-3352*	DN20	Male thread R ¾	Female thread G ¾	220-400
A13-0001-3353*	DN25	Male thread R 1	Female thread G 1	80-120
A13-0001-3354*	DN25	Male thread R 1	Female thread G 1	120-200
A13-0001-3355*	DN25	Male thread R 1	Female thread G 1	220-400
A13-0001-3356*	DN15	Male thread R ½	Female thread G ¾	80-120
A13-0001-3357*	DN15	Male thread R ½	Female thread G ¾	120-200
A13-0001-3358*	DN15	Male thread R ½	Female thread G ¾	220-400
A13-0001-4855*	DN20	Male thread R ¾	Female thread G ¾	320-600

* AVAILABLE ON ORDER



FLEXIBLE FITTINGS

- for the connection of gas meters

Product Number				Lmin – Lmax [mm]
A13-0001-3371*	DN20	Female thread G ¾	Female thread G 1	170-300
A13-0001-3372*	DN20	Female thread G ¾	Female thread G 1¼	170-300
A13-0001-3374*	DN20	Male thread R ¾	Female thread G 1	170-300
A13-0001-3375*	DN20	Male thread R ¾	Female thread G 1¼	170-300

* AVAILABLE ON ORDER



FIELDS OF APPLICATION



ARIOSOLAR INSULATED FLEXIBLE CORRUGATED PIPES

- AISI304 stainless steel (to EN 10028-7)
- Wall thickness 0.3 mm
- Certified for drinking water
- Operating pressure PN 15 bar
- Max operating temperature 550 °C (when appropriate gaskets are used)



INSULATION

- Thermal insulation is made of polyurethane foam coated by red film
- Thickness: 8 mm
- Thermal conductivity 0.030 W/mK
- Red film is resistant to UV rays and mechanical impact
- Operating temperature: -50 °C -150 °C

CABLE

- Electric 4-core cable
- Facilitates connection of probes, controllers and solar thermal system equipment

OTHER DETAILS

1. PLT-CSST pliable corrugated tube in AISI 304 stainless steel.

The minimum thickness of 0.3 mm improves the system's working range (pressure - temperature). The tube guarantees resistance, durability and ease of installation.

2. Low thickness flexible polyurethane foam with high insulating capacity.

The thickness of 8 mm allows easy installation in small technical compartments.

3. Resistant red film to UV rays and mechanical wear

4. Electric 4-core cable



Twin solar tube with cable. Splitting into two single tubes possible.



Single tube with cable.



Single tube without cable.

VARIOSOLAR FLEXIBLE CORRUGATED PIPES



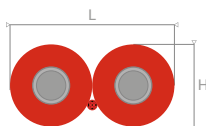
MONOSOLAR CSST PIPE WITH 8 MM POLYURETHANE INSULATION, WITHOUT ELECTRIC CABLE, $\lambda=0.030$ W/MK

Product number	Pipe diameter	Fitting thread	Pipe	Insulation thickness	Pipe lenght
A01-0001-8214	DN15	3/4"	AISI304	8 mm	25 m
A01-0001-8215	DN15	3/4"	AISI304	8 mm	50 m
A01-0001-8216	DN15	3/4"	AISI304	8 mm	100 m
A01-0001-8217	DN15	3/4"	AISI304	8 mm	150 m
A01-0001-8218	DN15	3/4"	AISI304	8 mm	200 m
A01-0001-8219	DN15	3/4"	AISI304	8 mm	300 m
A01-0001-8220	DN20	1"	AISI304	8 mm	50 m
A01-0001-8221	DN20	1"	AISI304	8 mm	100 m
A01-0001-8222	DN20	1"	AISI304	8 mm	150 m
A01-0001-8223	DN20	1"	AISI304	8 mm	200 m
A01-0001-8224	DN20	1"	AISI304	8 mm	300 m



TWINSOLAR CSST PIPE WITH 8 MM POLYURETHANE INSULATION, WITH ELECTRIC CABLE, $\lambda=0.030$ W/MK

Product number	Pipe diameter	Fitting thread	Pipe	Insulation thickness	Pipe lenght
A01-0001-8225	DN15	3/4"	AISI304	8 mm	10 m
A01-0001-8226	DN15	3/4"	AISI304	8 mm	15 m
A01-0001-8227	DN15	3/4"	AISI304	8 mm	25 m
A01-0001-8228	DN15	3/4"	AISI304	8 mm	50 m
A01-0001-8229	DN15	3/4"	AISI304	8 mm	100 m
A01-0001-8230	DN15	3/4"	AISI304	8 mm	100 m
A01-0001-8231	DN15	3/4"	AISI304	8 mm	200 m
A01-0001-8232	DN20	1"	AISI304	8 mm	10 m
A01-0001-8233	DN20	1"	AISI304	8 mm	15 m
A01-0001-8234	DN20	1"	AISI304	8 mm	25 m
A01-0001-8235	DN20	1"	AISI304	8 mm	50 m
A01-0001-8236	DN20	1"	AISI304	8 mm	100 m

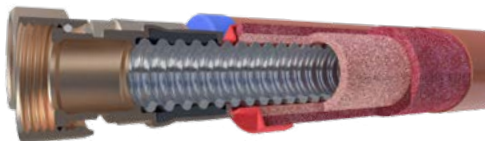


DN	H	L
15	38 mm	76 mm
20	43 mm	86 mm

SOLARPRESS SYSTEM

Special features:

- ePRESS fittings already installed on one side.
- 2 blue and red coloured caps to protect the insulation and tube.

SOLARPRESS TWIN PIPE WITH 8 MM POLYURETHANE INSULATION, WITH ELECTRIC CABLE, WITH E-PRESS NUT, $\lambda=0.030$ W/MK

Product number	Pipe diameter	Fitting thread	Pipe	Insulation thickness	Pipe length
A01-0001-7553	DN15	3/4"	AISI304	8 mm	10 m
A01-0001-7554	DN15	3/4"	AISI304	8 mm	15 m
A01-0001-7555	DN15	3/4"	AISI304	8 mm	25 m
A01-0001-7556	DN15	1"	AISI304	8 mm	10 m
A01-0001-7557	DN15	1"	AISI304	8 mm	15 m
A01-0001-7558	DN15	1"	AISI304	8 mm	25 m
A01-0001-7559	DN20	1"	AISI304	8 mm	10 m
A01-0001-7560	DN20	1"	AISI304	8 mm	15 m
A01-0001-7561	DN20	1"	AISI304	8 mm	25 m



HYDRONIC CONNECTIONS FOR HEAT PUMPS AND HOT/COLD WATER

Tested to overcome every environmental challenge

EUROKLIMA tubes have been subjected to rigorous behavioural tests under extreme conditions, including low and high temperatures, and high humidity levels.

**High-quality materials**

The tubes are made of AISI 304 stainless steel, ensuring resistance to corrosion and durability.

**Ultra-performing coating**

The micro-cell molecular structure coating has been specially designed and tested for heat pump applications, ensuring reliable and long-lasting performance.

**Extreme formability**

The special radius of curvature of our corrugations and the minimum thickness of 0.3 mm make for superior formability, simplifying installation even in complicated spaces and reducing the costs associated with the work.

**Diameters suited to different needs**

Available in DN 20, 25 and DN 32 diameters, EUROKLIMA tubes easily adapt to different system configurations, offering maximum design flexibility.

TUBE

- Tmax of operation: (continuous): 150°C
- Tmax of operation: (short periods): 175°C
- Tmin of operation: -50°C

INSULATION

- 13mm thermal insulation made of extruded and expanded elastomer conforming to EN 14304 free of CFCs, HCFCs
- and PVC, specially developed for hydronic connections to heat pumps.
- Scratch- and UV-resistant PE outer protective coating.
- Outer protective coating with water vapour resistance factor $\geq 15,000$ and certified in accordance with EN ISO 12086.
- Thermal conductivity: 0,038 W/m K (at 40° C).
- Reaction to fire class: EN 13501-1:E / DIN 4102:B2



EUROKLIMA RIBBED PIPE (AISI 304) WITH 13 MM ELSTOMER (EN14304) INSULATION FOR HEAT PUMPS AND OTHER HYDRONIC CONNECTIONS, $\lambda=0.038\text{W/MK}$

Product number	Pipe diameter	Fitting thread	Pipe	Insulation thickness	Pipe length
A01-0001-09917	DN20	1"	AISI304	13 mm	50 m
A01-0001-10168	DN25	1 1/4"	AISI304	13 mm	25 m
A01-0001-09918	DN25	1 1/4"	AISI304	13 mm	50 m
A01-0001-09919	DN32	1 1/2"	AISI304	13 mm	30 m



Product number	Pipe diameter	Fitting thread	Description	Packs/box	Pipe length
A01-0002-10194	DN20	1"	Black heat-shrink sheath	2	100 m
A01-0002-10195	DN25	1 1/4"	Black heat-shrink sheath	2	120 m
A01-0002-10196	DN32	1 1/2"	Black heat-shrink sheath	2	140 m

**INSTALLATION RECOMMENDATIONS****External installation**

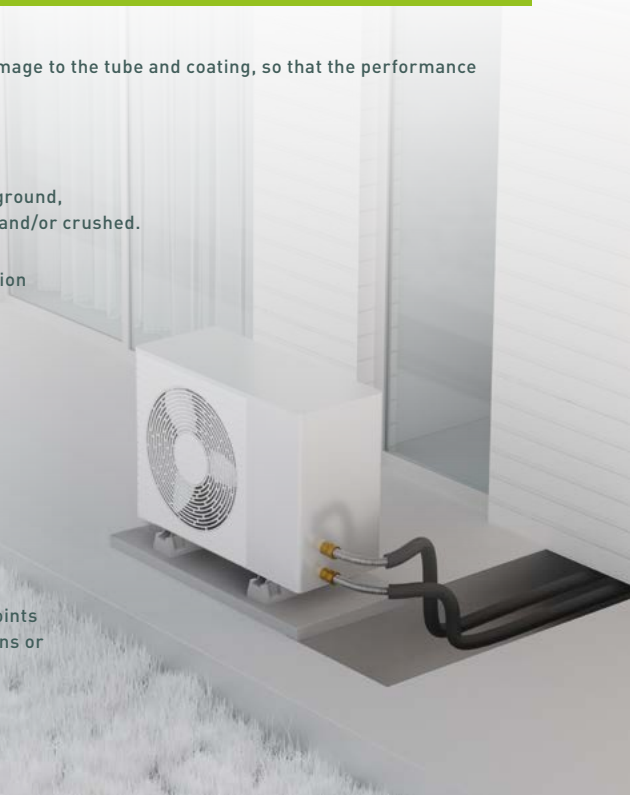
It is recommended to avoid shocks and damage to the tube and coating, so that the performance of the system is not compromised

Underground installation

When laying the EUROKLIMA tubes underground, the insulation layer must not be damaged and/or crushed. This requires:

- ensuring a stable, flat-surface installation bedding free of pebbles, stones and any other materials.
- in the upper part, once buried, the tube must be protected by rigid tubular sheaths or artefacts made of concrete or sheet metal or equivalent materials.
- the minimum burying depth must be assessed according to road loads and frost danger.

There is no need to install anti-vibration joints as EUROKLIMA is able to absorb oscillations or vibrations while guaranteeing tightness.



UNION NUTS AND DOUBLE NIPPLES

ATTENTION

Use of original GEBO nuts and nipples ensures durability and high quality of joints, and also eliminates potential gasket damages.



NORMAL AND REDUCED UNION NUTS

- Nickel plates brass
- Female thread G (ISO 228)



SEALING RING

- Kligersil C-4324, Centellen WS 3820, NBR
- Thickness: KLINGERSIL: 2 mm; CENTELLEN: 3 mm; NBR: 2 or 4mm, continuous operational temperature:
KLINGERSIL: -50°C +200°C for steam, -50°C +250°C for fluids;
CENTELLEN: -50°C +200°C for steam and fluids
- NBR: -15°C - +100°C for steam and fluids



NIPPLES

- Nickel plated brass
Male/male threads G (ISO 228)
- Nickel plated brass
Male thread G (ISO 228) male conical thread EN 10266 R (ISO 7)
- Nickel plated brass
Male thread G (ISO 228) / female conical thread EN 10266 Rp (ISO 7)



REDUCTION NIPPLES

- Brass
Male thread G (ISO 228) male conical thread EN 10266 R (ISO 7)
- Brass
Male thread G (ISO 228) / female thread EN 10266 Rp (ISO 7)



NUTS AND NIPPLES

Product Number	Available from stock / *for special order only
A02-0010-0723	NUT: FEMALE G 3/8 WITH FLAT "KLINGERSIL C4324" GASKET FOR DN10 3/8" PIPE (WATER) – 10 PCS.
A02-0010-0724	NUT: FEMALE G 1/2 WITH FLAT "KLINGERSIL C4324" GASKET FOR DN12 1/2" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-0725	NUT: FEMALE G 3/4 WITH FLAT "KLINGERSIL C4324" GASKET FOR DN15 3/4" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-0726	NUT: FEMALE G 1 WITH FLAT "KLINGERSIL C4324" GASKET FOR DN20 1" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-0727	NUT: FEMALE G 1 1/4 WITH FLAT "KLINGERSIL C4324" GASKET FOR DN25 1 1/4" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-0730	REDUCER NUT: FEMALE G 1/2 WITH FLAT "CENTELLEN WS 3820" GASKET FOR DN10 3/8" PIPE (WATER) – 10 PCS.
A02-0010-0731	REDUCER NUT: FEMALE G 3/4 WITH FLAT "CENTELLEN WS 3820" GASKET FOR DN12 1/2" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-0732	REDUCER NUT: FEMALE G 1 WITH FLAT "CENTELLEN WS 3820" GASKET FOR DN15 3/4" PIPE (WATER-SOLAR) – 10 PCS.
A02-0010-1890*	REDUCER NUT: FEMALE G 3/4" WITH FLAT NBR GASKET FOR DN 12 1/2" GAS PIPE 1 PCE.
A02-0010-1891*	REDUCER NUT: FEMALE G 1" WITH FLAT NBR GASKET FOR DN 15 3/4" GAS PIPE 1 PCE.
A02-0010-1892*	REDUCER NUT: FEMALE G 1 1/4" WITH FLAT NBR GASKET FOR DN 20 1" GAS PIPE 1 PCE.
A02-0010-1893*	REDUCER NUT: FEMALE G 1 1/4" WITH FLAT "CENTELLEN WS 3820" GASKET FOR DN20 1" PIPE (WATER-SOLAR) – 10 PCS.
A03-0010-0772*	NIPPLE: MALE G 3/8 x MALE G 3/8 (WATER) – 10 PCS.
A03-0010-0773	NIPPLE: MALE G 1/2 x MALE G 1/2 (WATER-SOLAR-GAS) – 10 PCS
A03-0010-0774	NIPPLE: MALE G 3/4 x MALE G 3/4 (WATER-SOLAR-GAS) – 10 PCS
A03-0010-0775*	NIPPLE: MALE G 1 x MALE G 1 (WATER-SOLAR-GAS) – 5 PCS.
A03-0010-0776*	NIPPLE: MALE G 1 1/4 x MALE G 1 1/4 (WATER-SOLAR-GAS) – 5 PCS.
A03-0010-0781	NIPPLE: MALE G 1/2 x MALE R 1/2 (WATER-SOLAR-GAS) – 10 PCS.
A03-0010-0782	NIPPLE: MALE G 3/4 x MALE R 3/4 (WATER-SOLAR-GAS) – 10 PCS.
A03-0010-0783*	NIPPLE: MALE G 1 x MALE R 1 (WATER-SOLAR-GAS) – 5PCS.
A03-0005-0784*	NIPPLE: MALE G 1 1/4 x MALE R 1 1/4 (WATER-SOLAR-GAS) – 5 PCS.
A03-0010-0789*	NIPPLE: MALE G 1/2 x FEMALE Rp 1/2 (WATER-SOLAR-GAS) – 10 PCS
A03-0010-0790*	NIPPLE: MALE G 3/4 x FEMALE Rp 3/4 (WATER-SOLAR-GAS) – 10 PCS.
A03-0005-0791*	NIPPLE: MALE G 1 x FEMALE Rp 1 (WATER-SOLAR-GAS) – 5 PCS.
A03-0005-0792*	NIPPLE: MALE G 1 1/4 x FEMALE Rp 1 1/4 (WATER-SOLAR-GAS) – 5 PCS.
A03-0010-0797*	REDUCER NIPPLE: MALE G 3/4 x MALE R 1/2 FOR DN15 3/4" PIPE (WATER-SOLAR- GAS) – 10 PCS.
A03-0005-0798*	REDUCER NIPPLE: MALE G 1 x MALE R 3/4 FOR DN20 1" PIPE (WATER-SOLAR-GAS) – 5 PCS.
A03-0005-0799 *	REDUCER NIPPLE: MALE G 1 1/4 x MALE R 1 FOR DN25 1 1/4" PIPE (WATER-SOLAR- GAS) – 5 PCS.
A03-0010-0800*	REDUCER NIPPLE: MALE G 3/4 x MALE Rp 1/2 FOR DN15 3/4" PIPE (WATER-SOLAR- GAS) – 10 PCS.
A03-0005-0801*	REDUCER NIPPLE: MALE G 1 x MALE Rp 3/4 FOR DN20 1" PIPE (WATER-SOLAR-GAS) – 5 PCS.
A03-0005-0802*	REDUCER NIPPLE: MALE G 1 1/4 x MALE Rp 1 FOR DN25 1 1/4" PIPE (WATER-SOLAR- GAS) – 5 PCS.

PIPE FITTINGS FOR WATER, GAS PIPES AND SOLAR SYSTEMS



Product Number			
A02-0010-1828*	UNION NUT: Female thread G ½ NBR (EN 682) WITH FLAT SEALING FOR GAS PIPE DN12- 10 PCS		
A02-0010-1829*	UNION NUT: Female thread G ¾ NBR (EN 682) WITH FLAT SEALING FOR GAS PIPE DN15- 10 PCS		
A02-0010-1830*	UNION NUT: Female thread G 1 NBR (EN 682) WITH FLAT SEALING FOR GAS PIPE DN20- 10 PCS		
A02-0010-1831*	UNION NUT: Female thread G 1 ¼ NBR (EN 682) WITH FLAT SEALING FOR GAS PIPE DN25- 10 PCS		

SELF-ADHESIVE, FIREPROOF PROTECTIVE PVC BAND: OPERATING TEMPERATURE FROM 0 °C TO 105 °C



Product Number	Width	Thickness	Length
A07-0001-3129*	38	0.25	15
A07-0001-3611*	25.4	0.5	11

After the connection has been made, the pipe section without the yellow sheath and the part of the fitting facing the connection must be covered with this protective PVC tape!



FITTINGS FOR CONNECTING FLANGED STAINLESS RIBBED PIPES AND COPPER PIPES (FOR WATER, GAS AND SOLAR PIPES)



Product Number			
A03-0001-1580*	DN12 Thread A G ½, Copper pipe outer diameter B 14- 1 PC		
A03-0001-1581*	DN12 THREAD A G ½, Copper pipe outer diameter B 15 - 1 PC		
A03-0001-1582*	DN12 THREAD A G ½, Copper pipe outer diameter B 18 - 1 PC		
A03-0001-1583*	DN15 THREAD A G ¾, Copper pipe outer diameter B 18- 1 PC		
A03-0001-1584*	DN15 THREAD A G ¾, Copper pipe outer diameter B 22 - 1 PC		
A03-0001-1585*	DN20 THREAD A G 1, Copper pipe outer diameter B 22 - 1 PC		
A03-0001-1586*	DN20 THREAD A G 1, Copper pipe outer diameter B 28 - 1 PC		
A03-0001-1587*	DN25 THREAD A G 1¼, Copper pipe outer diameter B 28 - 1 PC		

* AVAILABLE ON ORDER

**FITTINGS FOR CONNECTING NON-FLANGED STAINLESS RIBBED AND COPPER PIPES
(FOR WATER AND SOLAR UP TO 200 °C)**

Product Number			
A03-0001-1716*	DN12 Copper pipe outer diameter A 14 (for water, solar) - 1 PC		
A03-0001-1717*	DN12 Copper pipe outer diameter A 15 (for water, solar) - 1 PC		
A03-0001-1718*	DN12 Copper pipe outer diameter A 18 (for water, solar) - 1 PC		
A03-0001-1722*	DN12 Copper pipe outer diameter A 14 (for gas) - 1 PC		
A03-0001-1723*	DN12 Copper pipe outer diameter A 15 (for gas) - 1 PC		
A03-0001-1724*	DN12 Copper pipe outer diameter A 18 (for gas) - 1 PC		
A03-0001-1725*	DN15 Copper pipe outer diameter A 18 (for water, solar) - 1 PC		
A03-0001-1726*	DN15 Copper pipe outer diameter A 22 (for water, solar) - 1 PC		
A03-0001-1727*	DN15 Copper pipe outer diameter A 18 (for gas) - 1 PC		
A03-0001-1728*	DN15 Copper pipe outer diameter A 22 (for gas) - 1 PC		
A03-0001-1729*	DN20 Copper pipe outer diameter A 22 (for water, solar) - 1 PC		
A03-0001-1730*	DN20 Copper pipe outer diameter A 28 (for water, solar) - 1 PC		
A03-0001-1731*	DN20 Copper pipe outer diameter A 22 (for gas) - 1 PC		
A03-0001-1732*	DN20 Copper pipe outer diameter A 28 (for gas) - 1 PC		
A03-0001-1733*	DN25 Copper pipe outer diameter A 28 (for water, solar) - 1 PC		
A03-0001-1734*	DN25 Copper pipe outer diameter A 28 (for gas) - 1 PC		

* AVAILABLE ON ORDER


**FITTINGS FOR CONNECTING NON-FLANGED STAINLESS RIBBED PIPES
(FOR WATER AND SOLAR UP TO 200 °C)**

Product Number			
A03-0001-1860*	DN12 (for water, solar) - 1 PC		
A03-0001-1862*	DN12 (for gas) - 1 PC		
A03-0001-1863	DN15 (for water, solar) - 1 PC		
A03-0001-1864*	DN15 (for gas) - 1 PC		
A03-0001-1865*	DN20 (for water, solar) - 1 PC		
A03-0001-1866*	DN20 (for gas) - 1 PC		
A03-0001-1867*	DN25 (for water, solar) - 1 PC		
A03-0001-1868*	DN25 (for gas) - 1 PC		
A03-0001-3000*	DN32 (for water, solar) - 1 PC		

* AVAILABLE ON ORDER



FLANGELESS, MALELY THREADED FITTING FOR STAINLESS STEEL RIBBED PIPES (FOR WATER AND SOLAR UP TO 200 °C)



Product Number			
A03-0001-1427	DN12, Thread B G ½ (for water, solar) - 1 PC		
A03-0001-2986*	DN12, Thread B R ½ (for gas) - 1 PC		
A03-0001-1507*	DN12, Thread B G ½ (for gas) - 1 PC		
A03-0001-1501	DN15, Thread B G ¾ (for water, solar) - 1 PC		
A03-0001-2987*	DN15, Thread B R ¾ (for gas) - 1 PC		
A03-0001-1497*	DN15, Thread B G ¾ (for gas) - 1 PC		
A03-0001-1509	DN20, Thread B G 1 (for water, solar) - 1 PC		
A03-0001-2988*	DN20, Thread B R 1 (for gas) - 1 PC		
A03-0001-1511*	DN20, Thread B G 1 (for gas) - 1 PC		
A03-0001-1513*	DN25, Thread B G 1 ¼ (for water, solar) - 1 PC		
A03-0001-2989*	DN25, Thread B R 1 ¼ (for gas) - 1 PC		
A03-0001-1515*	DN25, Thread B G 1 ¼ (for gas) - 1 PC		
A03-0001-2998*	DN32, Thread B G 1 ½ (for water, solar) - 1 PC		

FLANGELESS, MALELY THREADED FITTING FOR STAINLESS STEEL RIBBED PIPES UP TO 100 °C (WATER ONLY)



Product Number			
A03-0001-0762*	DN 12 [½"] for water - 1 PC		
A03-0001-0763*	DN 15 [¾"] for water - 1 PC		

FLANGELESS, MALELY THREADED FITTING FOR STAINLESS STEEL RIBBED PIPES (FOR WATER AND SOLAR UP TO 200 °C)



Product Number			
A03-0001-1372	DN12, Thread B G ½ (for water, solar) - 1 PC		
A03-0001-1508*	DN12, Thread B G ½ - G ½ (for gas) - 1 PC		
A03-0001-1502	DN15, Thread B G ¾ (for water, solar) - 1 PC		
A03-0001-1503*	DN15, Thread B G ¾ - G ¾ (for gas) - 1 PC		
A03-0001-1510	DN20, Thread B G 1 (for water, solar) - 1 PC		
A03-0001-1512*	DN20, Thread B G 1 - G 1 (for gas) - 1 PC		
A03-0001-1514*	DN25, Thread B G 1 ¼ (for water, solar) - 1 PC		
A03-0001-1516*	DN25, Thread B G 1 ¼ - G 1 ¼ (for gas) - 1 PC		
A03-0001-2999*	DN32, Thread B G 1 ½ (for water, solar) - 1 PC		

MALELY THREADED BRASS FITTING FOR FLANGED PIPE

Product Number			
A03-0010-1605*	DN10, Thread G 3/8" (for water) - 10 PC		
A03-0010-1606*	DN12, Thread G 1/2" (for water, solar) - 10 PC		
A03-0010-1384*	DN12, Thread G 1/2" (for gas) - 10 PC		
A03-0010-1385*	DN15, Thread G 3/4" (for water, solar and gas) - 10 PC		
A03-0005-1386*	DN20, Thread G 1" (for water, solar and gas)- 5 PC		
A03-0005-1387*	DN25, Thread G 1 1/4" (for water, solar and gas)- 5 PC		

MALELY THREADED, REDUCED BRASS FITTING FOR FLANGED PIPE
(WITH SEALING RING; FOR WATER AND SOLAR UP TO 200 °C)

Product Number			
A03-0010-1948*	DN10, Thread G 1/2" (for water) - 10 PC		

"CENTELLEN WS 3820" FLAT SEALING RING FOR REDUCED UNION NUTS AND MALELY THREADED,
REDUCED BRASS FITTINGS (CONTINUOUS OPERATING TEMPERATURE UP TO 200 °C)

Product Number			
A04-0010-1958	DN10 union nut thread 1/2" for water, solar - 10 PC		
A04-0010-1959	DN12 union nut thread 3/4" for water, solar - 10 PC		
A04-0010-1960	DN15 union nut thread 1" for water, solar - 10 PC		
A04-0010-1961*	DN20 union nut thread 1 1/4" for water, solar - 10 PC		



OVAL CLAMPS FOR SOLAR TWIN PIPES (FOR 13 MM PIPE SHELL)

Product Number			
A09-0004-1562*	DN12 (1/2") - 4 PC		
A09-0004-1563*	DN15 (3/4") - 4 PC		
A09-0004-1564*	DN20 (1") - 4 PC		
A09-0004-1751*	DN25 (1 1/4") - 4 PC		



* AVAILABLE ON ORDER

"KLINGERSIL C-4324" FLAT SEALING RING (CONTINUOUS OPERATING TEMPERATURE UP TO 250 °C FOR LIQUID OR 200 °C FOR STEAM)



Product Number			
A04-0010-0836	DN10 (3/8")	for water - 10 PC	
A04-0010-0837	DN12 (1/2")	for water, solar - 10 PC	
A04-0010-0838	DN15 (3/4")	for water, solar - 10 PC	
A04-0010-0839	DN20 (1")	for water, solar - 10 PC	
A04-0010-0840*	DN25 (1 1/4")	for water, solar - 10 PC	

"AFM34" ARAMID-FIBER-BASED FLAT SEALING RING (CONTINUOUS OPERATING TEMPERATURE UP TO 250 °C FOR LIQUID AND 200 °C FOR STEAM)



Product Number			
A04-0010-0843*	DN10 (3/8")	for water - 10 PC	
A04-0010-0844*	DN12 (1/2")	for water, solar - 10 PC	
A04-0010-0845*	DN15 (3/4")	for water, solar - 10 PC	
A04-0010-0846*	DN20 (1")	for water, solar - 10 PC	
A04-0010-0847*	DN25 (1 1/4")	for water, solar - 10 PC	

FLAT SEALING RING MADE OF PURE GRAPHITE (CONTINUOUS OPERATING TEMPERATURE UP TO 650 °C)



Product Number			
A04-0010-1752	DN12 (1/2")	for solar - 10 PC	
A04-0010-1753	DN15 (3/4")	for solar - 10 PC	
A04-0010-1754	DN20 (1")	for solar - 10 PC	
A04-0010-1755*	DN25 (1 1/4")	for solar - 10 PC	

NBR FLAT SEALING RING FOR GAS (CONTINUOUS OPERATING TEMPERATURE UP TO 100 °C) FOR UNION NUT (2 MM) OR REDUCED UNION NUT AND FITTING (4 MM)



Product Number			
A04-0010-1923*	DN12 (1/2")	- 1 PC	
A04-0010-1924*	DN15 (3/4")	- 1 PC	
A04-0010-1925*	DN20 (1")	- 1 PC	
A04-0010-1926*	DN25 (1 1/4")	- 1 PC	
A04-0010-1962*	DN12 (1/2")	on pipe for 3/4" union nut - 1 PC	
A04-0010-1964*	DN15 (3/4")	on pipe for 1" union nut - 1 PC	
A04-0010-1963*	DN20 (1")	on pipe for 1 1/4" union nut - 1 PC	

* AVAILABLE ON ORDER

VARIOFLEX GAS PIPE SYSTEM

- Flexible, three-layer tubing for connecting gas household appliances.
- Applicable for both, fixed or movable appliances
- Meets the standard PN-EN 14800:2007, CE marked
- Media: E, LS, Lw, P, B/P
- Size: DN 12, 1/2"
- Extra long lifespan
- Material: AISI316L stainless steel flexible corrugated tube of very high resistance to bending
- Protection braid: AISI 304 – EN 10088 steel wire, plait of 120 wires, 0.3 mm diameter each
- Coating: fireproof PVC for protection against chemical agents; easy cleaning
- Connected with nuts:
 - F/F (female/female), brass, thread G 1/2" (ISO 228) – according to EN 12164/65; material of nut holder: AISI 303 (1.4305; EN 10088)
 - F/M (female/male), brass, thread G 1/2" (ISO 228); Male, AISI 303 stainless steel, conical thread EN 10088 R 1/2" (ISO 7)
- Full compatibility with PN-EN 14800:2007 – THE ONLY STANDARD FOR GAS PIPEWORK IN FORCE



FLEXIBLE GAS PIPES

Product Number	Available from stock / *for special order only
A13-0001-3724*	"VARIOFLEX GAS" THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 500 mm
A13-0001-3730*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 500 mm
A13-0001-3725*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 750 mm
A13-0001-3731*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 750 mm
A13-0001-3726*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 1000 mm
A13-0001-3732*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 1000 mm
A13-0001-3727*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 1250 mm
A13-0001-3733*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 1250 mm
A13-0001-3728*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 1500 mm
A13-0001-3734*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 1500 mm
A13-0001-3729*	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Female G 1/2" x Female G 1/2" – 2000 mm
A13-0001-3747	"VARIOFLEX GAS", THREE-LAYER STAINLESS STEEL TUBE Male G 1/2" x Female Rp 1/2" – 2000 mm

gebogold

THREADED BRASS FITTINGS



THE COMPLETE PRODUCT RANGE



SERIES HEAVY [BH]

P. 291

Threaded brass fittings: Jointing threads according to DIN EN 10226-1 (ISO7/1)



SERIES REGULAR [BR]

P. 297

Threaded brass fittings: Fastening threads according to ISO 228 – Male threads with knurling (up to 1 ½")



SERIES CROMATE [BC]

P. 311

Threaded brass fittings chrome plated: Fastening threads according to ISO 228 – Male threads with knurling (up to 1 ½")

For line [br] and [bc]: male thread with knurling (up to 1 ½").

GOLD CHARACTERISTICS

Material:

Brass

Areas of application according to DIN EN 1254-4 for BH series, jointing thread according to ISO 7/1:

Operating Pressure and Temperatures:

Water:

Dimensions 1/8" – 2": 10°C to 110°C/max. 16 bar

Dimensions 2 1/2" – 4": 10°C to 110°C/max. 10 bar

Compressed air: 5°C to 35°C/max. 10 bar

Areas of application according to DIN EN 1254-4 for BR and BC series, dimensions 1/8" – 4", fastening thread according to ISO 228:

Operating Pressure and Temperatures:

Water: 10°C to 30°C/max. 16 bar and max. 95°C/max. 6 bar

Compressed air: 5°C to 35°C/max. 6 bar

Installation:

For the installation it has to be noticed that the fittings have to be assembled according to valid technical rules.

SERIES BH – Jointing threads according to ISO 7/1

90 90° ELBOW F X F

Size	Code
3/8"	90-3BH
1/2"	90-4BH
3/4"	90-5BH
1"	90-6BH
1 1/4"	90-7BH
1 1/2"	90-8BH
2"	90-9BH
2 1/2"	90-10BH
3"	90-11BH
4"	90-12BH



90 REDUCING 90° ELBOW F X F

Size [1 x 2]	Code
1/2" x 3/8"	90-19BH
3/4" x 1/2"	90-22BH
1 x 1/2"	90-25BH
1" x 3/4"	90-26BH



SERIES BH – Jointing threads according to ISO 7/1



92 90° ELBOW M X F

Size	Code
3/8"	92-3BH
1/2"	92-4BH
3/4"	92-5BH
1"	92-6BH
1 1/4"	92-7BH
1 1/2"	92-8BH
2"	92-9BH
2 1/2"	92-10BH
3"	92-11BH
4"	92-12BH



96 90° ELBOW UNION CONICAL SEAT F X F

Size	Code
1/2"	96-4BH
3/4"	96-5BH
1"	96-6BH
1 1/4"	96-7BH
1 1/2"	96-8BH
2"	96-9BH



98 90° ELBOW UNION CONICAL SEAT M X F

Size	Code
1/2"	98-4BH
3/4"	98-5BH
1"	98-6BH
1 1/4"	98-7BH
1 1/2"	98-8BH
2"	98-9BH



120 45° ELBOW F X F

Size	Code
1/2"	120-4BH
3/4"	120-5BH
1"	120-6BH

SERIES BH – Jointing threads according to ISO 7/1

121 45° ELBOW M X F

Size	Code
1/2"	121-4BH
3/4"	121-5BH
1"	121-6BH



130 TEE F X F X F

Size	Code
3/8"	130-3BH
1/2"	130-4BH
3/4"	130-5BH
1"	130-6BH
1 1/4"	130-7BH
1 1/2"	130-8BH
2"	130-9BH
2 1/2"	130-10BH
3"	130-11BH
4"	130-12BH



130 REDUCING TEE F X F X F

Size [1 x 2 x 3]	Code
3/4" x 1/2" x 3/4"	130-22BH
1" x 1/2" x 1"	130-25BH
1" x 3/4" x 1"	130-26BH
1 1/4" x 3/4" x 1 1/4"	130-28BH
1 1/4" x 1" x 1 1/4"	130-29BH



134 TEE F X F X M

Size	Code
1/2"	134-4BH
3/4"	134-5BH
1"	134-6BH



180 CROSS F X F X F X F

Size	Code
1/2"	180-4BH
3/4"	180-5BH
1"	180-6BH
1 1/4"	180-7BH



SERIES BH – Jointing threads according to ISO 7/1



240 REDUCING SOCKET F X F

Size [1 x 2]	Code
1/2" x 3/8"	240-19BH
3/4" x 1/2"	240-22BH
1" x 1/2"	240-25BH
1" x 3/4"	240-26BH
1 1/4" x 1"	240-29BH
1 1/2" x 1 1/4"	240-33BH
2" x 1 1/2"	240-39BH



241 REDUCING BUSH M X F

Size [1 x 2]	Code
1/2" x 1/4"	241-18BH
1/2" x 3/8"	241-19BH
3/4" x 1/4"	241-20BH
3/4" x 3/8"	241-21BH
3/4" x 1/2"	241-22BH
1" x 3/8"	241-24BH
1" x 1/2"	241-25BH
1" x 3/4"	241-26BH
1 1/4" x 1/2"	241-27BH
1 1/4" x 3/4"	241-28BH
1 1/4" x 1"	241-29BH
1 1/2" x 1/2"	241-30BH
1 1/2" x 3/4"	241-31BH
1 1/2" x 1"	241-32BH
1 1/2" x 1 1/4"	241-33BH
2" x 1/2"	241-34BH
2" x 3/4"	241-35BH
2" x 1"	241-36BH
2" x 1 1/4"	241-37BH
2" x 1 1/2"	241-38BH
2 1/2" x 2"	241-44BH
3" x 2"	241-50BH
3" x 2 1/2"	241-51BH

SERIES BH – Jointing threads according to ISO 7/1

245 REDUCING NIPPLE M X M

Size [1 x 2]	Code
1/2" x 3/8"	245-19BH
3/4" x 3/8"	245-21BH
3/4" x 1/2"	245-22BH
1" x 1/2"	245-25BH
1" x 3/4"	245-26BH
1 1/4" x 1/2"	245-27BH
1 1/4" x 3/4"	245-28BH
1 1/4" x 1"	245-29BH
1 1/2" x 3/4"	245-31BH
1 1/2" x 1"	245-32BH
1 1/2" x 1 1/4"	245-33BH
2" x 1"	245-36BH
2" x 1 1/4"	245-37BH
2" x 1 1/2"	245-38BH
2 1/2" x 2"	245-44BH
3" x 2"	245-50BH
3" x 2 1/2"	245-51BH
4" x 2 1/2"	245-58BH
4" x 3"	245-59BH



270 SOCKET F X F (FULL THREADED)

Size	Code
3/8"	270-3BH
1/2"	270-4BH
3/4"	270-5BH
1"	270-6BH
1 1/4"	270-7BH
1 1/2"	270-8BH
2"	270-9BH
2 1/2"	270-10BH
3"	270-11BH
4"	270-12BH



SERIES BH – Joining threads according to ISO 7/1



280 **HEXAGON NIPPLE M X M**

Size	Code
3/8"	280-3BH
1/2"	280-4BH
3/4"	280-5BH
1"	280-6BH
1 1/4"	280-7BH
1 1/2"	280-8BH
2"	280-9BH
2 1/2"	280-10BH
3"	280-11BH
4"	280-12BH



290 **HEXAGON PLUG MALE**

Size	Code
1/2"	290-4BH
3/4"	290-5BH
1"	290-6BH
1 1/4"	290-7BH
1 1/2"	290-8BH
2"	290-9BH



300 **HEXAGON CAP FEMALE**

Size	Code
1/2"	300-4BH
3/4"	300-5BH
1"	300-6BH
1 1/4"	300-7BH
1 1/2"	300-8BH
2"	300-9BH



340 **STRAIGHT UNION CONICAL SEAT F X F**

Size	Code
1/2"	340-4BH
3/4"	340-5BH
1"	340-6BH
1 1/4"	340-7BH
1 1/2"	340-8BH
2"	340-9BH

SERIES BH – Jointing threads according to ISO 7/1

341 STRAIGHT UNION CONICAL SEAT M X F

Size	Code
1/2"	341-4BH
3/4"	341-5BH
1"	341-6BH
1 1/4"	341-7BH
1 1/2"	341-8BH
2"	341-9BH



SERIES BR – Fastening threads according to ISO 228

1 90° BEND M X F

Size	Code
1/2"	1-4BR
3/4"	1-5BR
1"	1-6BR
1 1/4"	1-7BR
1 1/2"	1-8BR
2"	1-9BR
2 1/2"	1-10BR
3"	1-11BR



2 90° BEND F X F

Size	Code
1/2"	2-4BR
3/4"	2-5BR
1"	2-6BR
1 1/4"	2-7BR
1 1/2"	2-8BR
2"	2-9BR
2 1/2"	2-10BR
3"	2-11BR



SERIES BR – Fastening threads according to ISO 228



90	90° ELBOW F X F
Size	Code
3/8"	90-3BR
1/2"	90-4BR
3/4"	90-5BR
1"	90-6BR
1 1/4"	90-7BR
1 1/2"	90-8BR
2"	90-9BR
2 1/2"	90-10BR
3"	90-11BR
4"	90-12BR



90	90° ELBOW REDUCING F X F
Size [1 x 2]	Code
1/2" x 3/8"	90-19BR
3/4" x 1/2"	90-22BR
1 x 1/2"	90-25BR
1 x 3/4"	90-26BR



92	90° ELBOW M X F
Size	Code
3/8"	92-3BR
1/2"	92-4BR
3/4"	92-5BR
1"	92-6BR
1 1/4"	92-7BR
1 1/2"	92-8BR
2"	92-9BR
2 1/2"	92-10BR
3"	92-11BR
4"	92-12BR

SERIES BR – Fastening threads according to ISO 228

96 90° ELBOW UNION CONICAL SEAT F X F

Size	Code
1/2"	96-4BR
3/4"	96-5BR
1"	96-6BR
1 1/4"	96-7BR
1 1/2"	96-8BR
2"	96-9BR



97 90° ELBOW UNION FLAT PTFE SEAT M X F

Size	Code
1/2"	97-4BR
3/4"	97-5BR
1"	97-6BR
1 1/4"	97-7BR
1 1/2"	97-8BR
2"	97-9BR



98 90° ELBOW UNION CONICAL SEAT M X F

Size	Code
1/2"	98-4BR
3/4"	98-5BR
1"	98-6BR
1 1/4"	98-7BR
1 1/2"	98-8BR
2"	98-9BR



98 90° ELBOW UNION WITH SEALING RING M X F

Size	Code
1/2"	98-4BL
3/4"	98-5BL
1"	98-6BL
1 1/4"	98-7BL
1 1/2"	98-8BL
2"	98-9BL



SERIES BR – Fastening threads according to ISO 228



120 45° ELBOW F X F

Size	Code
1/2"	120-4BR
3/4"	120-5BR
1"	120-6BR



121 45° ELBOW M X F

Size	Code
1/2"	121-4BR
3/4"	121-5BR
1"	121-6BR



130 TEE F X F X F

Size	Code
3/8"	130-3BR
1/2"	130-4BR
3/4"	130-5BR
1"	130-6BR
1 1/4"	130-7BR
1 1/2"	130-8BR
2"	130-9BR
2 1/2"	130-10BR
3"	130-11BR
4"	130-12BR



130 REDUCING TEE F X F X F

Size [1 x 2 x 3]	Code
3/4" x 1/2" x 3/4"	130-22BR
1" x 1/2" x 1"	130-25BR
1" x 3/4" x 1"	130-26BR
1 1/4" x 3/4" x 1 1/4"	130-28BR
1 1/4" x 1" x 1 1/4"	130-29BR

SERIES BR – Fastening threads according to ISO 228

134 TEE F X F X M

Size	Code
1/2"	134-4BR
3/4"	134-5BR
1"	134-6BR



135 TEE M X M X M

Size	Code
1/2"	135-4BR
3/4"	135-5BR
1"	135-6BR



180 CROSS F X F X F X F

Size	Code
1/2"	180-4BR
3/4"	180-5BR
1"	180-6BR
1 1/4"	180-7BR
1 1/2"	180-8BR
2"	180-9BR



240 REDUCING SOCKET F X F

Size [1 x 2]	Code
1/2" x 3/8"	240-19BR
3/4" x 1/2"	240-22BR
1" x 1/2"	240-25BR
1" x 3/4"	240-26BR
1 1/4" x 1"	240-29BR
1 1/2" x 1"	240-32BR
1 1/2" x 1 1/4"	240-33BR
2" x 1"	240-36BR
2" x 1 1/4"	240-37BR
2" x 1 1/2"	240-39BR



SERIES BR – Fastening threads according to ISO 228

1



2

241 REDUCING BUSH M X F

Size [1 x 2]	Code
1/4" x 1/8"	241-14BR
3/8" x 1/8"	241-15BR
3/8" x 1/4"	241-16BR
1/2" x 1/4"	241-18BR
1/2" x 3/8"	241-19BR
3/4" x 1/4"	241-20BR
3/4" x 3/8"	241-21BR
3/4" x 1/2"	241-22BR
1" x 3/8"	241-24BR
1" x 1/2"	241-25BR
1" x 3/4"	241-26BR
1 1/4" x 1/2"	241-27BR
1 1/4" x 3/4"	241-28BR
1 1/4" x 1"	241-29BR
1 1/2" x 1/2"	241-30BR
1 1/2" x 3/4"	241-31BR
1 1/2" x 1"	241-32BR
1 1/2" x 1 1/4"	241-33BR
2" x 1/2"	241-34BR
2" x 3/4"	241-35BR
2" x 1"	241-36BR
2" x 1 1/4"	241-37BR
2" x 1 1/2"	241-38BR
2 1/2" x 2"	241-44BR
3" x 2"	241-50BR
3" x 2 1/2"	241-51BR
4" x 2"	241-57BR
4" x 2 1/2"	241-58BR
4" x 3"	241-59BR

SERIES BR – Fastening threads according to ISO 228

245 REDUCING NIPPLE M X M

Size [1 x 2]	Code
1/4" x 1/8"	245-14BR
3/8" x 1/4"	245-16BR
1/2" x 1/4"	245-18BR
1/2" x 3/8"	245-19BR
3/4" x 3/8"	245-21BR
3/4" x 1/2"	245-22BR
1" x 1/2"	245-25BR
1" x 3/4"	245-26BR
1 1/4" x 1/2"	245-27BR
1 1/4" x 3/4"	245-28BR
1 1/4" x 1"	245-29BR
1 1/2" x 3/4"	245-31BR
1 1/2" x 1"	245-32BR
1 1/2" x 1 1/4"	245-33BR
2" x 1"	245-36BR
2" x 1 1/4"	245-37BR
2" x 1 1/2"	245-38BR
2 1/2" x 2"	245-44BR
3" x 2"	245-50BR
3" x 2 1/2"	245-51BR
4" x 2 1/2"	245-58BR
4" x 3"	245-59BR



246 REDUCING EXTENSION PIECE M X F (Round Version)

Size [1 x 2]	Code
3/8" x 1/2"	246-73BR
1/2" x 3/4"	246-22BR
3/4" x 1"	246-26BR
1" x 1 1/4"	246-29BR



SERIES BR – Fastening threads according to ISO 228



Art.-no. with *
in octagon version

246H REDUCING EXTENSION PIECE M X F (Hexagon Version; Art.-no., with * octagon version)		
Size [1 x 2]	Code	
3/8" x 1/2"	246H-73BR	
1/2" x 3/8"	246H-19BR	
1/2" x 3/4"	246H-22BR	
1/2" x 1"	246H-25BR	
1/2" x 1 1/4"	246H-27BR	
3/4" x 1/2"	246H-74BR	
3/4" x 1"	246H-26BR	
3/4" x 1 1/4"	246H-28BR*	
3/4" x 2"	246H-35BR*	
1" x 1/2"	246H-75BR	
1" x 3/4"	246H-76BR	
1" x 1 1/4"	246H-29BR*	
1" x 1 1/2"	246H-32BR*	
1" x 2"	246H-36BR*	
1 1/4" x 1 1/2"	246H-33BR*	
1 1/4" x 2"	246H-37BR*	
1 1/2" x 2"	246H-38BR*	
2" x 2 1/2"	246H-44BR*	



270 SOCKET F X F (Full Threaded)		
Size	Code	
1/4"	270-2BR	
3/8"	270-3BR	
1/2"	270-4BR	
3/4"	270-5BR	
1"	270-6BR	
1 1/4"	270-7BR	
1 1/2"	270-8BR	
2"	270-9BR	
2 1/2"	270-10BR	
3"	270-11BR	
4"	270-12BR	

SERIES BR – Fastening threads according to ISO 228

280 **HEXAGON NIPPLE M X M (Art.-no., with * octagon version)**

Size	Code
1/8"	280-1BR
1/4"	280-2BR
3/8"	280-3BR
1/2"	280-4BR
3/4"	280-5BR
1"	280-6BR
1 1/4"	280-7BR
1 1/2"	280-8BR*
2"	280-9BR*
2 1/2"	280-10BR*
3"	280-11BR*
4"	280-12BR*



Art.-no. with *
in octagon version

290 **HEXAGON PLUG MALE**

Size	Code
1/4"	290-2BR
3/8"	290-3BR
1/2"	290-4BR
3/4"	290-5BR
1"	290-6BR
1 1/4"	290-7BR
1 1/2"	290-8BR
2"	290-9BR



290 A **HOLLOW PLUG WITH FLANGE MALE**

Size	Code
3/8"	290A-3BR
1/2"	290A-4BR
3/4"	290A-5BR
1"	290A-6BR
1 1/4"	290A-7BR
1 1/2"	290A-8BR
2"	290A-9BR



SERIES BR – Fastening threads according to ISO 228



Art.-no. with *
in octagon version

300 **HEXAGON CAP FEMALE**
(Art.-no., with * octagon version)

Size	Code
3/8"	300-3BR
1/2"	300-4BR
3/4"	300-5BR
1"	300-6BR
1 1/4"	300-7BR*
1 1/2"	300-8BR*
2"	300-9BR*
2 1/2"	300-10BR*
3"	300-11BR*
4"	300-12BR*



310 **BACKNUT**

Size	Code
3/8"	310-3BR
1/2"	310-4BR
3/4"	310-5BR
1"	310-6BR
1 1/4"	310-7BR
1 1/2"	310-8BR
2"	310-9BR



315 B **MALE HOSE CONNECTION NIPPLE M X NOZZLE**

Size	Code
1/2" x 14 mm	315B-14-4BR
3/4" x 20 mm	315B-20-5BR
1" x 25 mm	315B-25-6BR



316 B **FEMALE HOSE CONNECTION NIPPLE F X NOZZLE**

Size	Code
1/2" x 14 mm	316B-14-4BR
3/4" x 20 mm	316B-20-5BR
1" x 25 mm	315B-25-6BR

SERIES BR – Fastening threads according to ISO 228

331 STRAIGHT UNION FLAT PTFE SEAT< M X F

Size	Code
1/2"	331-4BR
3/4"	331-5BR
1"	331-6BR
1 1/4"	331-7BR
1 1/2"	331-8BR
2"	331-9BR



340 STRAIGHT UNION CONICAL SEAT F X F

Size	Code
1/2"	340-4BR
3/4"	340-5BR
1"	340-6BR
1 1/4"	340-7BR
1 1/2"	340-8BR
2"	340-9BR



341 STRAIGHT UNION CONICAL SEAT M X F

Size	Code
1/2"	341-4BR
3/4"	341-5BR
1"	341-6BR
1 1/4"	341-7BR
1 1/2"	341-8BR
2"	341-9BR



341 STRAIGHT UNION WITH SEALING RING M X F

Size	Code
1/2"	341-4BL
3/4"	341-5BL
1"	341-6BL
1 1/4"	341-7BL
1 1/2"	341-8BL
2"	341-9BL



471 WALLPLATE ELBOW (3 HOLES) C X F

Size	Code
1/2"	471-4BR
3/4"	471-5BR



SERIES BR – Fastening threads according to ISO 228



500 ROUND EXTENSION PIECE M X F

Size	Code
3/8" x 10 mm	500-10-03BR
3/8" x 15 mm	500-15-03BR
3/8" x 20 mm	500-20-03BR
3/8" x 30 mm	500-30-03BR
3/8" x 50 mm	500-50-03BR
1/2" x 10 mm	500-10-04BR
1/2" x 15 mm	500-15-04BR
1/2" x 20 mm	500-20-04BR
1/2" x 30 mm	500-30-04BR
1/2" x 40 mm	500-40-04BR
1/2" x 50 mm	500-50-04BR
1/2" x 80 mm	500-80-04BR
1/2" x 100 mm	500-100-04BR
3/4" x 10 mm	500-10-05BR
3/4" x 15 mm	500-15-05BR
3/4" x 20 mm	500-20-05BR
3/4" x 30 mm	500-30-05BR
3/4" x 40 mm	500-40-05BR
3/4" x 50 mm	500-50-05BR
3/4" x 80 mm	500-80-05BR
3/4" x 100 mm	500-100-05BR
1" x 10 mm	500-10-06BR
1" x 15 mm	500-15-06BR
1" x 20 mm	500-20-06BR
1" x 30 mm	500-30-06BR
1" x 40 mm	500-40-06BR
1" x 50 mm	500-50-06BR



529 STANDARD HEXAGON EXTENSION PIECE M X F

Size	Code
3/8"	529-3BR
1/2"	529-4BR
3/4"	529-5BR
1"	529-6BR
1 1/4"	529-7BR
1 1/2"	529-8BR
2"	529-9BR

SERIES BR – Fastening threads according to ISO 228

530 **BARREL NIPPLE M X M**

Size	Code
1/2" x 50 mm	70.50.04BR
1/2" x 60 mm	70.60.04BR
1/2" x 80 mm	70.80.04BR
1/2" x 100 mm	70.100.04BR
1/2" x 150 mm	70.150.04BR
1/2" x 200 mm	70.200.04BR
1/2" x 250 mm	70.250.04BR
1/2" x 300 mm	70.300.04BR
1/2" x 500 mm	70.500.04BR
3/4" x 50 mm	70.50.05BR
3/4" x 60 mm	70.60.05BR
3/4" x 80 mm	70.80.05BR
3/4" x 100 mm	70.100.05BR
3/4" x 150 mm	70.150.05BR
3/4" x 200 mm	70.200.05BR
3/4" x 250 mm	70.250.05BR
3/4" x 300 mm	70.300.05BR
3/4" x 500 mm	70.500.05BR
1" x 50 mm	70.50.06BR
1" x 60 mm	70.60.06BR
1" x 80 mm	70.80.06BR
1" x 100 mm	70.100.06BR
1" x 150 mm	70.150.06BR
1" x 200 mm	70.200.06BR
1" x 250 mm	70.250.06BR
1" x 300 mm	70.300.06BR
1" x 500 mm	70.500.06BR
1 1/4" x 50 mm	70.50.07BR
1 1/4" x 100 mm	70.100.07BR
1 1/4" x 150 mm	70.150.07BR
1 1/4" x 200 mm	70.200.07BR
1 1/2" x 50 mm	70.50.08BR
1 1/2" x 100 mm	70.100.08BR
1 1/2" x 150 mm	70.150.08BR
1 1/2" x 200 mm	70.200.08BR
2" x 50 mm	70.50.09BR
2" x 100 mm	70.100.09BR
2" x 150 mm	70.150.09BR
2" x 200 mm	70.200.09BR



SERIES BR – Fastening threads according to ISO 228



531 **RUNNING NIPPLE MALE (FULL THREADED)**

Size	Code
1/2" x 40 mm	531-4BR
3/4" x 40 mm	531-5BR
1" x 40 mm	531-6BR
1 1/4" x 40 mm	531-7BR



35WP **FIVE WAYS TEE**

Size	Code
1" x 1" x 1" x 1/4" x 1/4"	35WP-100BR



3RED **RED. RING**

Size	Code
1/2" x 3/8"	3RED-012038BR
3/4" x 1/2"	3RED-034012BR



3ICV **BRASS SPRING CHECK VALVE F X F**

Size	Code
1/2"	3ICV-012BR
3/4"	3ICV-034BR
1"	3ICV-100BR
1 1/4"	3ICV-114BR
1 1/2"	3ICV-112BR
2"	3ICV-200BR



3YST **BRASS Y PATTERN STRAINER**

Size	Code
1/2"	3YST-012BR
3/4"	3YST-034BR
1"	3YST-100BR
1 1/4"	3YST-114BR
1 1/2"	3YST-112BR
2"	3YST-200BR

SERIES BC – Fastening threads according to ISO 228

90 CP 90° ELBOW F X F

Size	Code
3/8"	90-3BC
1/2"	90-4BC
3/4"	90-5BC
1"	90-6BC



92 CP 90° ELBOW M X F

Size	Code
3/8"	92-3BC
1/2"	92-4BC
3/4"	92-5BC
1"	92-6BC



130 CP TEE F X F X F

Size	Code
3/8"	130-3BC
1/2"	130-4BC
3/4"	130-5BC
1"	130-6BC



241 CP REDUCING BUSH M X F

Size [1 x 2]	Code
1/2" x 3/8"	241-19BC
3/4" x 3/8"	241-21BC
3/4" x 1/2"	241-22BC
1" x 1/2"	241-25BC
1" x 3/4"	241-26BC
1 1/4" x 1"	241-29BC



245 CP REDUCING NIPPLE M X M

Size [1 x 2]	Code
1/2" x 3/8"	245-19BC
3/4" x 3/8"	245-21BC
3/4" x 1/2"	245-22BC
1" x 1/2"	245-25BC
1" x 3/4"	245-26BC



SERIES BC – Fastening threads according to ISO 228



246 CP REDUCING EXTENSION PIECE M X F (ROUND VERSION)

Size [1 x 2]	Code
3/8" x 1/2"	246-73BC
1/2" x 3/4"	246-22BC
3/4" x 1"	246-26BC
1" x 1 1/4"	246-29BC



270 CP SOCKET F X F (FULL THREADED)

Size	Code
1/4"	270-2BC
3/8"	270-3BC
1/2"	270-4BC
3/4"	270-5BC
1"	270-6BC



280 CP HEXAGON NIPPLE M X M

Size	Code
3/8"	280-3BC
1/2"	280-4BC
3/4"	280-5BC
1"	280-6BC



290 CP HEXAGON PLUG MALE

Size	Code
1/4"	290-2BC
3/8"	290-3BC
1/2"	290-4BC
3/4"	290-5BC
1"	290-6BC



300 CP HEXAGON CAP FEMALE

Size	Code
3/8"	300-3BC
1/2"	300-4BC
3/4"	300-5BC
1"	300-6BC

SERIES BC – Fastening threads according to ISO 228

500 CP ROUND EXTENSION PIECE M X F

Size	Code
3/8" x 10 mm	500-10-03BC
3/8" x 15 mm	500-15-03BC
3/8" x 30 mm	500-30-03BC
3/8" x 50 mm	500-50-03BC
1/2" x 10 mm	500-10-04BC
1/2" x 15 mm	500-15-04BC
1/2" x 20 mm	500-20-04BC
1/2" x 30 mm	500-30-04BC
1/2" x 50 mm	500-50-04BC
1/2" x 100 mm	500-100-04BC
3/4" x 10 mm	500-10-05BC
3/4" x 15 mm	500-15-05BC
3/4" x 20 mm	500-20-05BC
3/4" x 30 mm	500-30-05BC
3/4" x 50 mm	500-50-05BC



gebo fittings

PLATINUM

THREADED MALLEABLE CAST IRON
FITTINGS PLATINUM LINE



PLATINUM LINE

OUR AIM IS TO MAKE THE GOOD THINGS EVEN BETTER

Thus we decided to transfer the high quality aspects of our cast iron compression fittings also onto our fitting range: After machining process all threads are covered with an additional galvanizing with the following effects:

- Highest corrosion protection
- No need of further conservation with oil
- Highest level of hygienic requirements

PRODUCT STANDARDS AND APPLICATIONS:

GEBO Threaded Malleable Cast Iron Fittings are in compliance with Standard DIN EN 10242, design symbol A, corresponding to the materials and thread combination.

GEBO Threaded Malleable Cast Iron Fittings are in accordance with the requirements of above Standard, suitable for compressed air, water, flammable gases, hydrocarbons and other media under the mentioned pressure and temperature limits.

Application:

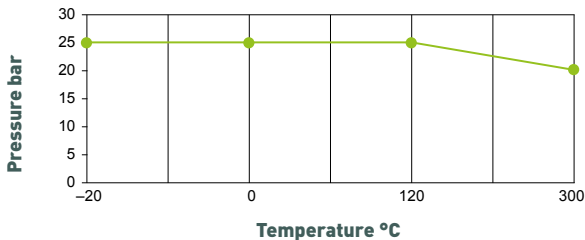
Permitted working pressure at temperatures of media between minus 20 and plus 120°C: max. 25 bar

Permitted working pressure at temperatures of media between 120 and 300 °C: interpolated values 20-25 bar

Permitted working pressure at temperatures of media 300°C: max. 20 bar

TECHNICAL DATA:

Pressure to temperature ratio



MATERIAL COMPOSITION:

The GEBO threaded fittings comply with the design symbol A and are manufactured in accordance with DIN EN 10242 from a malleable cast iron material (EN-GJMB-350-10) that complies with the standard.

Material tests on 12 mm specimens have the following mechanical properties:

- Tensile strength (minimum value): 350 N/mm² (35 kg/mm²)
- Yield strength 0.2% (minimum value): 200 N/mm² (20 kg/mm²)
- Elongation (minimum value): 10%
- Brinell hardness: max. 150 HB

In order to ensure that there are no defects in material that could result in leakage, each GEBO Fitting is leak tightness tested in accordance with requirements of DIN EN 10242.

PLATINUM LINE

ZINC COATING

GEBO threaded fittings are hot-dip galvanized by zinc plating, under Standard DIN EN 10242.

The zinc coating is over 500 gr/m², that means minimal average thickness of 70 micron.

This thickness of the zinc coating and the good adherence to the base surface assure a perfect and long-lasting anti-corrosive protection.

FURTHER CORROSION PROTECTION

After machining process of threading all Gebo Fittings are covered with an additional galvanizing. Thus all fittings are free from oils or other conservation liquids.

THREAD CONNECTION:

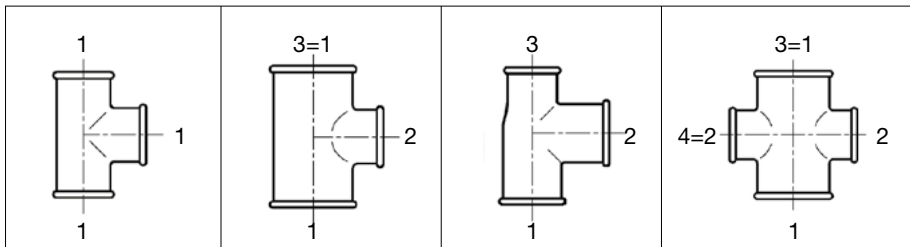
Jointing threads: GEBO threaded fittings with design symbol A are produced with taper external thread (R) and parallel internal thread (Rp) in accordance with Standard ISO 7/1 (DIN EN 10226-1).

Fastening threads: GEBO threaded fittings with design symbol A are produced with parallel external and internal threads (G) in accordance with Standard DIN EN ISO 228/1.

DN	6	8	10	15	20	25	32	40	50	65	80	100
INCH	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4

THREAD ALIGNMENT:

The mechanization process of GEBO fittings prevents the alignment of threads from any variations over 0.5° (30'), as indicated in the Standard.



PLATINUM LINE



1 LONG SWEEP BEND 90° M/F ISO G4

Sizes	Code galvanized	Code black
1/4"	1-2V	1-2S
3/8"	1-3V	1-3S
1/2"	1-4V	1-4S
3/4"	1-5V	1-5S
1"	1-6V	1-6S
1 1/4"	1-7V	1-7S
1 1/2"	1-8V	1-8S
2"	1-9V	1-9S
2 1/2"	1-10V	1-10S
3"	1-11V	1-11S
4"	1-12V	1-12S



1A SHORT BEND 90° M/F ISO D4

Sizes	Code galvanized	Code black
3/8"	1A-3V	1A-3S
1/2"	1A-4V	1A-4S
3/4"	1A-5V	1A-5S
1"	1A-6V	1A-6S
1 1/4"	1A-7V	1A-7S
1 1/2"	1A-8V	1A-8S
2"	1A-9V	1A-9S
2 1/2"	1A-10V	1A-10S



2 LONG SWEEP BEND 90° F/F ISO G1

Sizes	Code galvanized	Code black
1/4"	2-2V	2-2S
3/8"	2-3V	2-3S
1/2"	2-4V	2-4S
3/4"	2-5V	2-5S
1"	2-6V	2-6S
1 1/4"	2-7V	2-7S
1 1/2"	2-8V	2-8S
2"	2-9V	2-9S
2 1/2"	2-10V	2-10S
3"	2-11V	2-11S
4"	2-12V	2-12S



2A SHORT BEND 90° F/F ISO D1

Sizes	Code galvanized	Code black
1/2"	2A-4V	2A-4S
3/4"	2A-5V	2A-5S
1"	2A-6V	2A-6S
1 1/4"	2A-7V	2A-7S
1 1/2"	2A-8V	2A-8S
2"	2A-9V	2A-9S

PLATINUM LINE

3 LONG SWEEP BEND 90° M/M ISO G8

Sizes	Code galvanized	Code black
1/4"	3-2V	3-2S
3/8"	3-3V	3-3S
1/2"	3-4V	3-4S
3/4"	3-5V	3-5S
1"	3-6V	3-6S
1 1/4"	3-7V	3-7S
1 1/2"	3-8V	3-8S
2"	3-9V	3-9S
2 1/2"	3-10V	3-10S
3"	3-11V	3-11S
4"	3-12V	3-12S



40 LONG SWEEP BEND 45° M/F ISO G4/45°

Sizes	Code galvanized	Code black
1/4"	40-2V	40-2S
3/8"	40-3V	40-3S
1/2"	40-4V	40-4S
3/4"	40-5V	40-5S
1"	40-6V	40-6S
1 1/4"	40-7V	40-7S
1 1/2"	40-8V	40-8S
2"	40-9V	40-9S
2 1/2"	40-10V	40-10S
3"	40-11V	40-11S
4"	40-12V	40-12S
6"	40-14V	



41 LONG SWEEP BEND 45° F/F ISO G1/45°

Sizes	Code galvanized	Code black
3/8"	41-3V	41-3S
1/2"	41-4V	41-4S
3/4"	41-5V	41-5S
1"	41-6V	41-6S
1 1/4"	41-7V	41-7S
1 1/2"	41-8V	41-8S
2"	41-9V	41-9S
2 1/2"	41-10V	41-10S
3"	41-11V	41-11S
4"	41-12V	41-12S



60 RETURN BEND F/F

Sizes	Code galvanized	Code black
3/4"	60-5V	60-5S
1"	60-6V	60-6S
1 1/2"	60-8V	60-8S
2"	60-9V	60-9S



PLATINUM LINE



85 CROSSOVER F/F

Sizes	Code galvanized	Code black
1/2"	85-4V	85-4S
3/4"	85-5V	85-5S
1"	85-6V	85-6S
1 1/4"	85-7V	85-7S
1 1/2"	85-8V	85-8S
2"	85-9V	85-9S



90 ELBOW 90° F/F, EQUAL ISO A1

Sizes	Code galvanized	Code black
1/4"	90-2V	90-2S
3/8"	90-3V	90-3S
1/2"	90-4V	90-4S
3/4"	90-5V	90-5S
1"	90-6V	90-6S
1 1/4"	90-7V	90-7S
1 1/2"	90-8V	90-8S
2"	90-9V	90-9S
2 1/2"	90-10V	90-10S
3"	90-11V	90-11S
4"	90-12V	90-12S
5"	90-13V	90-13S
6"	90-14V	90-14S



90 ELBOW 90° F/F, REDUCING ISO A1

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	90-16V	90-16S
1/2" x 1/4"	90-18V	90-18S
1/2" x 3/8"	90-19V	90-19S
3/4" x 3/8"	90-21V	90-21S
3/4" x 1/2"	90-22V	90-22S
1" x 1/2"	90-25V	90-25S
1" x 3/4"	90-26V	90-26S
1 1/4" x 1/2"	90-27V	90-27S
1 1/4" x 3/4"	90-28V	90-28S
1 1/4" x 1"	90-29V	90-29S
1 1/2" x 1/2"	90-30V	90-30S
1 1/2" x 3/4"	90-31V	90-31S
1 1/2" x 1"	90-32V	90-32S
1 1/2" x 1 1/4"	90-33V	90-33S
2" x 1/2"	90-34V	90-34S
2" x 3/4"	90-35V	90-35S
2" x 1"	90-36V	90-36S
2" x 1 1/4"	90-37V	90-37S
2" x 1 1/2"	90-38V	90-38S
2 1/2" x 1"	90-41V	90-41S
2 1/2" x 1 1/2"	90-43V	90-43S
2 1/2" x 2"	90-44V	90-44S
3" x 1 1/2"	90-49V	90-49S
3" x 2"	90-50V	90-50S
3" x 2 1/2"	90-51V	90-51S
4" x 2 1/2"	90-52V	90-52S
4" x 3"	90-53V	90-53S

PLATINUM LINE

92 ELBOW 90° M/F, EQUAL AND REDUCING ISO A4

Sizes [1x2]	Code galvanized	Code black
1/4"	92-2V	92-2S
3/8"	92-3V	92-3S
1/2"	92-4V	92-4S
3/4"	92-5V	92-5S
1"	92-6V	92-6S
1 1/4"	92-7V	92-7S
1 1/2"	92-8V	92-8S
2"	92-9V	92-9S
2 1/2"	92-10V	92-10S
3"	92-11V	92-11S
4"	92-12V	92-12S
1/2" x 3/8"	92-19V	92-19S
3/4" x 3/8"	92-21V	92-21S
3/4" x 1/2"	92-22V	92-22S
1" x 3/4"	92-26V	92-26S
1 1/4" x 1"	92-29V	92-29S
1 1/2" x 1"	92-32V	92-32S
1 1/2" x 1 1/4"	92-33V	92-33S



94 ELBOW 90° M/M

Sizes	Code galvanized	Code black
3/8"	94-3V	94-3S
1/2"	94-4V	94-4S
3/4"	94-5V	94-5S
1"	94-6V	94-6S
1 1/4"	94-7V	94-7S
1 1/2"	94-8V	94-8S
2"	94-9V	94-9S



95 UNION ELBOW 90°, FLAT SEAT, F/F ISO UA1

Sizes	Code galvanized	Code black
3/8"	95-3V	95-3S
1/2"	95-4V	95-4S
3/4"	95-5V	95-5S
1"	95-6V	95-6S
1 1/4"	95-7V	95-7S
1 1/2"	95-8V	95-8S
2"	95-9V	95-9S



96 UNION ELBOW 90°, TAPER SEAT, F/F ISO UA11

Sizes	Code galvanized	Code black
3/8"	96-3V	96-3S
1/2"	96-4V	96-4S
3/4"	96-5V	96-5S
1"	96-6V	96-6S
1 1/4"	96-7V	96-7S
1 1/2"	96-8V	96-8S
2"	96-9V	96-9S
2 1/2"	96-10V	96-10S
3"	96-11V	96-11S



PLATINUM LINE



97 UNION ELBOW 90°, FLAT SEAT, M/F ISO UA2

Sizes	Code galvanized	Code black
3/8"	97-3V	97-3S
1/2"	97-4V	97-4S
3/4"	97-5V	97-5S
1"	97-6V	97-6S
1 1/4"	97-7V	97-7S
1 1/2"	97-8V	97-8S
2"	97-9V	97-9S



98 UNION ELBOW 90°, TAPER SEAT, M/F ISO UA12

Sizes	Code galvanized	Code black
3/8"	98-3V	98-3S
1/2"	98-4V	98-4S
3/4"	98-5V	98-5S
1"	98-6V	98-6S
1 1/4"	98-7V	98-7S
1 1/2"	98-8V	98-8S
2"	98-9V	98-9S
2 1/2"	98-10V	98-10S
3"	98-11V	98-11S



120 ELBOW 45° F/F ISO A1/45°

Sizes	Code galvanized	Code black
1/4"	120-2V	120-2S
3/8"	120-3V	120-3S
1/2"	120-4V	120-4S
3/4"	120-5V	120-5S
1"	120-6V	120-6S
1 1/4"	120-7V	120-7S
1 1/2"	120-8V	120-8S
2"	120-9V	120-9S
2 1/2"	120-10V	120-10S
3"	120-11V	120-11S
4"	120-12V	120-12S



121 ELBOW 45° M/F ISO A4/45°

Sizes	Code galvanized	Code black
3/8"	121-3V	121-3S
1/2"	121-4V	121-4S
3/4"	121-5V	121-5S
1"	121-6V	121-6S
1 1/4"	121-7V	121-7S
1 1/2"	121-8V	121-8S
2"	121-9V	121-9S
2 1/2"	121-10V	121-10S
3"	121-11V	121-11S

PLATINUM LINE

130	TEE 90°, F/F/F, EQUAL	ISO B1
Sizes	Code galvanized	Code black
1/4"	130-2V	130-2S
3/8"	130-3V	130-3S
1/2"	130-4V	130-4S
3/4"	130-5V	130-5S
1"	130-6V	130-6S
1 1/4"	130-7V	130-7S
1 1/2"	130-8V	130-8S
2"	130-9V	130-9S
2 1/2"	130-10V	130-10S
3"	130-11V	130-11S
4"	130-12V	130-12S
5"	130-13V	130-13S
6"	130-14V	130-14S



130	TEE 90° F/F/F, REDUCING	ISO B1
Sizes [1x2x3]	Code galvanized	Code black
3/8" x 1/4" x 3/8"	130-15V	130-15S
3/8" x 1/2" x 3/8"	130-115V	130-115S
1/2" x 1/4" x 1/2"	130-17V	130-17S
1/2" x 3/8" x 3/8"	130-71V	130-71S
1/2" x 3/8" x 1/2"	130-19V	130-19S
1/2" x 1/2" x 3/8"	130-72V	130-72S
1/2" x 3/4" x 1/2"	130-20V	130-20S
1/2" x 1" x 1/2"	130-16V	130-16S
3/4" x 1/4" x 3/4"	130-116V	130-116S
3/4" x 3/8" x 3/4"	130-21V	130-21S
3/4" x 1/2" x 1/2"	130-61V	130-61S
3/4" x 1/2" x 3/4"	130-22V	130-22S
3/4" x 3/4" x 3/8"	130-64V	130-64S
3/4" x 3/4" x 1/2"	130-62V	130-62S
3/4" x 1" x 1/2"	130-66V	130-66S
3/4" x 1" x 3/4"	130-70V	130-70S
1" x 3/8" x 1"	130-18V	130-18S
1" x 1/2" x 1/2"	130-67V	130-67S
1" x 1/2" x 3/4"	130-68V	130-68S
1" x 1/2" x 1"	130-25V	130-25S
1" x 3/4" x 1/2"	130-69V	130-69S
1" x 3/4" x 3/4"	130-73V	130-73S
1" x 3/4" x 1"	130-26V	130-26S
1" x 1" x 3/8"	130-74V	130-74S
1" x 1" x 1/2"	130-75V	130-75S
1" x 1" x 3/4"	130-65V	130-65S
1" x 1 1/4" x 1"	130-23V	130-23S
1" x 1 1/2" x 1"	130-117V	130-117S
1 1/4" x 3/8" x 1 1/4"	130-24V	130-24S
1 1/4" x 1/2" x 1"	130-77V	130-77S
1 1/4" x 1/2" x 1 1/4"	130-27V	130-27S
1 1/4" x 3/4" x 3/4"	130-78V	130-78S
1 1/4" x 3/4" x 1"	130-79V	130-79S
1 1/4" x 3/4" x 1 1/4"	130-28V	130-28S
1 1/4" x 1" x 3/4"	130-80V	130-80S
1 1/4" x 1" x 1"	130-81V	130-81S
1 1/4" x 1" x 1 1/4"	130-29V	130-29S
1 1/4" x 1 1/4" x 1/2"	130-82V	130-82S
1 1/4" x 1 1/4" x 3/4"	130-83V	130-83S
1 1/4" x 1 1/4" x 1"	130-84V	130-84S
1 1/4" x 1 1/2" x 1 1/4"	130-40V	130-40S
1 1/4" x 2" x 1 1/4"	130-41V	130-41S
1 1/2" x 1/2" x 1 1/4"	130-86V	130-86S
1 1/2" x 1/2" x 1 1/2"	130-30V	130-30S
1 1/2" x 3/4" x 1 1/4"	130-87V	130-87S
1 1/2" x 3/4" x 1 1/2"	130-31V	130-31S



PLATINUM LINE



130 TEE 90° F/F/F, REDUCING ISO B1

Sizes [1x2x3]	Code galvanized	Code black
1 1/2" x 1" x 1"	130-88V	130-88S
1 1/2" x 1" x 1 1/4"	130-89V	130-89S
1 1/2" x 1" x 1 1/2"	130-32V	130-32S
1 1/2" x 1 1/4" x 1"	130-90V	130-90S
1 1/2" x 1 1/4" x 1 1/4"	130-91V	130-91S
1 1/2" x 1 1/4" x 1 1/2"	130-33V	130-33S
1 1/2" x 1 1/2" x 1 1/2"	130-92V	130-92S
1 1/2" x 1 1/2" x 3/4"	130-93V	130-93S
1 1/2" x 1 1/2" x 1"	130-94V	130-94S
1 1/2" x 1 1/2" x 1 1/4"	130-95V	130-95S
1 1/2" x 2" x 1 1/4"	130-96V	130-96S
1 1/2" x 2" x 1 1/2"	130-39V	130-39S
2" x 1/2" x 1 1/2"	130-97V	130-97S
2" x 1/2" x 2"	130-34V	130-34S
2" x 3/4" x 1 1/2"	130-98V	130-98S
2" x 3/4" x 2"	130-35V	130-35S
2" x 1" x 1 1/2"	130-99V	130-99S
2" x 1" x 2"	130-36V	130-36S
2" x 1 1/4" x 1 1/4"	130-100V	130-100S
2" x 1 1/4" x 1 1/2"	130-101V	130-101S
2" x 1 1/4" x 2"	130-37V	130-37S
2" x 1 1/2" x 1 1/2"	130-102V	130-102S
2" x 1 1/2" x 2"	130-38V	130-38S
2" x 2" x 1/2"	130-103V	130-103S
2" x 2" x 3/4"	130-104V	130-104S
2" x 2" x 1"	130-105V	130-105S
2" x 2" x 1 1/2"	130-107V	130-107S
2 1/2" x 1/2" x 2 1/2"	130-44V	130-44S
2 1/2" x 3/4" x 2 1/2"	130-45V	130-45S
2 1/2" x 1" x 2 1/2"	130-42V	130-42S
2 1/2" x 1 1/4" x 2 1/2"	130-46V	130-46S
2 1/2" x 1 1/2" x 2 1/2"	130-47V	130-47S
2 1/2" x 2" x 2"	130-108V	130-108S
2 1/2" x 2" x 2 1/2"	130-48V	130-48S
3" x 1" x 3"	130-51V	130-51S
3" x 1 1/4" x 3"	130-52V	130-52S
3" x 1 1/2" x 3"	130-53V	130-53S
3" x 2" x 3"	130-50V	130-50S
3" x 2 1/2" x 3"	130-54V	130-54S
4" x 1 1/4" x 4"	130-118V	130-118S
4" x 1 1/2" x 4"	130-119V	130-119S
4" x 2" x 4"	130-57V	130-57S
4" x 2 1/2" x 4"	130-58V	130-58S
4" x 3" x 4"	130-59V	130-59S



131 PITCHER TEE, EQUAL, F/F/F ISO E1

Sizes	Code galvanized	Code black
1/2"	131-4V	131-4S
3/4"	131-5V	131-5S
1"	131-6V	131-6S
1 1/4"	131-7V	131-7S
1 1/2"	131-8V	131-8S
2"	131-9V	131-9S



132 TWIN ELBOW, EQUAL, F/F/F ISO E2

Sizes	Code galvanized	Code black
1/2"	132-4V	132-4S
3/4"	132-5V	132-5S
1"	132-6V	132-6S
1 1/4"	132-7V	132-7S
1 1/2"	132-8V	132-8S
2"	132-9V	132-9S

PLATINUM LINE

133 TEE EQUAL F/M/F

Sizes	Code galvanized	Code black
3/8"	133-3V	133-3S
1/2"	133-4V	133-4S
3/4"	133-5V	133-5S
1"	133-6V	133-6S



134 TEE EQUAL M/F/F

Sizes	Code galvanized	Code black
1/2"	134-4V	134-4S
3/4"	134-5V	134-5S
1"	134-6V	134-6S
1 1/4"	134-7V	134-7S
1 1/2"	134-8V	134-8S
2"	134-9V	134-9S



135 TEE EQUAL M/M/M

Sizes	Code galvanized	Code black
1/2"	135-4V	135-4S
3/4"	135-5V	135-5S
1"	135-6V	135-6S



165 TEE LATERAL Y BRANCH 45° F/F/F

Sizes	Code galvanized	Code black
1/2"	165-4V	165-4S
3/4"	165-5V	165-5S
1"	165-6V	165-6S
1 1/4"	165-7V	165-7S
1 1/2"	165-8V	165-8S
2"	165-9V	165-9S



180 CROSS EQUAL F/F/F/F

ISO C1

Sizes	Code galvanized	Code black
1/4"	180-2V	180-2S
3/8"	180-3V	180-3S
1/2"	180-4V	180-4S
3/4"	180-5V	180-5S
1"	180-6V	180-6S
1 1/4"	180-7V	180-7S
1 1/2"	180-8V	180-8S
2"	180-9V	180-9S
2 1/2"	180-10V	180-10S
3"	180-11V	180-11S
4"	180-12V	180-12S



180 CROSS REDUCING F/F/F/F

ISO C1

Sizes [1x2]	Code galvanized	Code black
3/4" x 1/2"	180-22V	180-22S
1" x 1/2"	180-25V	180-25S



PLATINUM LINE



2



1

220 Y-PIECE F/F/F

Sizes	Code galvanized	Code black
3/8"	220-3V	220-3S
1/2"	220-4V	220-4S
3/4"	220-5V	220-5S
1"	220-6V	220-6S

221 SIDE OUTLET ELBOW F/F/F ISO Za1

Sizes	Code galvanized	Code black
1/2"	221-4V	221-4S
3/4"	221-5V	221-5S
1"	221-6V	221-6S
1 1/4"	221-7V	221-7S
1 1/2"	221-8V	221-8S
2"	221-9V	221-9S

223 SIDE OUTLET TEE F/F/F/F ISO Za2

Sizes	Code galvanized	Code black
1/2"	223-4V	223-4S
3/4"	223-5V	223-5S
1"	223-6V	223-6S
1 1/4"	223-7V	223-7S

240 REDUCING SOCKET F/F ISO M2

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	240-16V	240-16S
1/2" x 1/4"	240-18V	240-18S
1/2" x 3/8"	240-19V	240-19S
3/4" x 3/8"	240-21V	240-21S
3/4" x 1/2"	240-22V	240-22S
1" x 3/8"	240-24V	240-24S
1" x 1/2"	240-25V	240-25S
1" x 3/4"	240-26V	240-26S
1 1/4" x 1/2"	240-27V	240-27S
1 1/4" x 3/4"	240-28V	240-28S
1 1/4" x 1"	240-29V	240-29S
1 1/2" x 1/2"	240-30V	240-30S
1 1/2" x 3/4"	240-31V	240-31S
1 1/2" x 1"	240-32V	240-32S
1 1/2" x 1 1/4"	240-33V	240-33S
2" x 1/2"	240-34V	240-34S
2" x 3/4"	240-35V	240-35S
2" x 1"	240-36V	240-36S
2" x 1 1/4"	240-37V	240-37S
2" x 1 1/2"	240-38V	240-38S
2 1/2" x 1/2"	240-39V	240-39S
2 1/2" x 3/4"	240-40V	240-40S
2 1/2" x 1"	240-41V	240-41S
2 1/2" x 1 1/4"	240-42V	240-42S
2 1/2" x 1 1/2"	240-43V	240-43S
2 1/2" x 2"	240-44V	240-44S
3" x 1"	240-47V	240-47S
3" x 1 1/4"	240-48V	240-48S
3" x 1 1/2"	240-49V	240-49S
3" x 2"	240-50V	240-50S
3" x 2 1/2"	240-51V	240-51S
4" x 1 1/2"	240-56V	240-56S
4" x 2"	240-57V	240-57S
4" x 2 1/2"	240-58V	240-58S
4" x 3"	240-59V	240-59S

PLATINUM LINE

241 REDUCING BUSH, M/F

ISO N4

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	241-16V	241-16S
1/2" x 1/4"	241-18V	241-18S
1/2" x 3/8"	241-19V	241-19S
3/4" x 1/4"	241-20V	241-20S
3/4" x 3/8"	241-21V	241-21S
3/4" x 1/2"	241-22V	241-22S
1" x 3/8"	241-24V	241-24S
1" x 1/2"	241-25V	241-25S
1" x 3/4"	241-26V	241-26S
1 1/4" x 1/2"	241-27V	241-27S
1 1/4" x 3/4"	241-28V	241-28S
1 1/4" x 1"	241-29V	241-29S
1 1/2" x 1/2"	241-30V	241-30S
1 1/2" x 3/4"	241-31V	241-31S
1 1/2" x 1"	241-32V	241-32S
1 1/2" x 1 1/4"	241-33V	241-33S
2" x 1/2"	241-34V	241-34S
2" x 3/4"	241-35V	241-35S
2" x 1"	241-36V	241-36S
2" x 1 1/4"	241-37V	241-37S
2" x 1 1/2"	241-38V	241-38S
2 1/2" x 1/2"	241-39V	241-39S
2 1/2" x 3/4"	241-40V	241-40S
2 1/2" x 1"	241-41V	241-41S
2 1/2" x 1 1/4"	241-42V	241-42S
2 1/2" x 1 1/2"	241-43V	241-43S
2 1/2" x 2"	241-44V	241-44S
3" x 3/4"	241-46V	241-46S
3" x 1"	241-47V	241-47S
3" x 1 1/4"	241-48V	241-48S
3" x 1 1/2"	241-49V	241-49S
3" x 2"	241-50V	241-50S
3" x 2 1/2"	241-51V	241-51S
4" x 1"	241-54V	241-54S
4" x 1 1/4"	241-55V	241-55S
4" x 1 1/2"	241-56V	241-56S
4" x 2"	241-57V	241-57S
4" x 2 1/2"	241-58V	241-58S
4" x 3"	241-59V	241-59S
5" x 4"	241-60V	241-60S
6" x 3"	241-61V	241-61S
6" x 4"	241-62V	241-62S
6" x 5"	241-63V	241-63S

2



1

245 HEXAGON NIPPLE REDUCING, M/M

ISO N8

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	245-16V	245-16S
1/2" x 1/4"	245-18V	245-18S
1/2" x 3/8"	245-19V	245-19S
3/4" x 3/8"	245-21V	245-21S
3/4" x 1/2"	245-22V	245-22S
1" x 1/2"	245-25V	245-25S
1" x 3/4"	245-26V	245-26S
1 1/4" x 1/2"	245-27V	245-27S
1 1/4" x 3/4"	245-28V	245-28S
1 1/4" x 1"	245-29V	245-29S
1 1/2" x 1/2"	245-30V	245-30S
1 1/2" x 3/4"	245-31V	245-31S
1 1/2" x 1"	245-32V	245-32S
1 1/2" x 1 1/4"	245-33V	245-33S
2" x 1/2"	245-34V	245-34S
2" x 3/4"	245-35V	245-35S

2



1

PLATINUM LINE

2



1

2



1



245 HEXAGON NIPPLE REDUCING, M/M ISO N8

Sizes [1x2]	Code galvanized	Code black
2" x 1"	245-36V	245-36S
2" x 1 1/4"	245-37V	245-37S
2" x 1 1/2"	245-38V	245-38S
2 1/2" x 1"	245-41V	245-41S
2 1/2" x 1 1/4"	245-42V	245-42S
2 1/2" x 1 1/2"	245-43V	245-43S
2 1/2" x 2"	245-44V	245-44S
3" x 1 1/2"	245-49V	245-49S
3" x 2"	245-50V	245-50S
3" x 2 1/2"	245-51V	245-51S
4" x 2"	245-57V	245-57S
4" x 2 1/2"	245-58V	245-58S
4" x 3"	245-59V	245-59S

246 REDUCING SOCKETS F/M ISO M4

Sizes [1x2]	Code galvanized	Code black
3/8" x 1/4"	246-16V	246-16S
1/2" x 1/4"	246-18V	246-18S
1/2" x 3/8"	246-19V	246-19S
3/4" x 3/8"	246-21V	246-21S
3/4" x 1/2"	246-22V	246-22S
1" x 1/2"	246-25V	246-25S
1" x 3/4"	246-26V	246-26S
1 1/4" x 1/2"	246-27V	246-27S
1 1/4" x 3/4"	246-28V	246-28S
1 1/4" x 1"	246-29V	246-29S
1 1/2" x 3/4"	246-31V	246-31S
1 1/2" x 1"	246-32V	246-32S
1 1/2" x 1 1/4"	246-33V	246-33S
2" x 1/2"	246-34V	246-34S
2" x 3/4"	246-35V	246-35S
2" x 1"	246-36V	246-36S
2" x 1 1/4"	246-37V	246-37S
2" x 1 1/2"	246-38V	246-38S
2 1/2" x 2"	246-44V	246-44S
3" x 2"	246-50V	246-50S
3" x 2 1/2"	246-51V	246-51S

270 SOCKETS EQUAL, F/F ISO M2

Sizes	Code galvanized	Code black
1/4"	270-2V	270-2S
3/8"	270-3V	270-3S
1/2"	270-4V	270-4S
3/4"	270-5V	270-5S
1"	270-6V	270-6S
1 1/4"	270-7V	270-7S
1 1/2"	270-8V	270-8S
2"	270-9V	270-9S
2 1/2"	270-10V	270-10S
3"	270-11V	270-11S
4"	270-12V	270-12S

271 SOCKETS, F/F, RIGHT AND LEFT HAND THREAD ISO M2 R-L

Sizes	Code galvanized	Code black
1/2"	271-4V	271-4S
3/4"	271-5V	271-5S
1"	271-6V	271-6S
1 1/4"	271-7V	271-7S
1 1/2"	271-8V	271-8S
2"	271-9V	271-9S

PLATINUM LINE

280 HEXAGON NIPPLES, M/M ISO N8

Sizes	Code galvanized	Code black
1/4"	280-2V	280-2S
3/8"	280-3V	280-3S
1/2"	280-4V	280-4S
3/4"	280-5V	280-5S
1"	280-6V	280-6S
1 1/4"	280-7V	280-7S
1 1/2"	280-8V	280-8S
2"	280-9V	280-9S
2 1/2"	280-10V	280-10S
3"	280-11V	280-11S
4"	280-12V	280-12S
5"	280-13V	280-13S
6"	280-14V	280-14S



281 HEXAGON NIPPLES M/M, RIGHT AND LEFT HAND THREAD ISO N8 R-L

Sizes	Code galvanized	Code black
3/8"	281-3V	281-3S
1/2"	281-4V	281-4S
3/4"	281-5V	281-5S
1"	281-6V	281-6S
1 1/4"	281-7V	281-7S
1 1/2"	281-8V	281-8S
2"	281-9V	281-9S



290 PLUGS, BEADED ISO T9

Sizes	Code galvanized	Code black
1/4"	290-2V	290-2S
3/8"	290-3V	290-3S
1/2"	290-4V	290-4S
3/4"	290-5V	290-5S
1"	290-6V	290-6S
1 1/4"	290-7V	290-7S
1 1/2"	290-8V	290-8S
2"	290-9V	290-9S
2 1/2"	290-10V	290-10S
3"	290-11V	290-11S
4"	290-12V	290-12S



291 PLUGS, PLAIN ISO T8

Sizes	Code galvanized	Code black
1/4"	291-2V	291-3S
3/8"	291-3V	291-4S
1/2"	291-4V	291-4S
3/4"	291-5V	291-5S
1"	291-6V	291-6S
1 1/4"	291-7V	291-7S
1 1/2"	291-8V	291-8S
2"	291-9V	291-9S
2 1/2"	291-10V	291-10S
3"	291-11V	291-11S
4"	291-12V	291-12S



PLATINUM LINE



300 MULTANGULAR CAP ISO T1**

Sizes	Code galvanized	Code black
1/4"	300-2V	300-2S
3/8"	300-3V	300-3S
1/2"	300-4V	300-4S
3/4"	300-5V	300-5S
1"	300-6V	300-6S
1 1/4"	300-7V	300-7S
1 1/2"	300-8V	300-8S
2"	300-9V	300-9S
2 1/2"	300-10V	300-10S
3"	300-11V	300-11S
4"	300-12V	300-12S

** Hexagonal cap from size 1/4" to 3/4"; octagonal cap from size 1" do 4"



301 ROUND CAP ISO T1

Sizes	Code galvanized	Code black
1/4"	301-2V	301-2S
3/8"	301-3V	301-3S
1/2"	301-4V	301-4S
3/4"	301-5V	301-5S
1"	301-6V	301-6S
1 1/4"	301-7V	301-7S
1 1/2"	301-8V	301-8S
2"	301-9V	301-9S
2 1/2"	301-10V	301-10S
3"	301-11V	301-11S
4"	301-12V	301-12S



310 BACKNUTS ISO P4

Sizes	Code galvanized	Code black
1/4"	310-2V	310-2S
3/8"	310-3V	310-3S
1/2"	310-4V	310-4S
3/4"	310-5V	310-5S
1"	310-6V	310-6S
1 1/4"	310-7V	310-7S
1 1/2"	310-8V	310-8S
2"	310-9V	310-9S
2 1/2"	310-10V	310-10S
3"	310-11V	310-11S
4"	310-12V	310-12S



321 FLANGE, WITHOUT BOLT HOLES

Sizes	Code galvanized	Code black
1/2"	321-4V	321-4S
3/4"	321-5V	321-5S
1"	321-6V	321-6S
1 1/4"	321-7V	321-7S
1 1/2"	321-8V	321-8S
2"	321-9V	321-9S

PLATINUM LINE

329 FLANGES WITH 4 BOLT HOLES

Sizes	Code galvanized	Code black
1/2"	329-4V	329-4S
3/4"	329-5V	329-5S
1"	329-6V	329-6S
1 1/4"	329-7V	329-7S
1 1/2"	329-8V	329-8S
2"	329-9V	329-9S
2 1/2"	329-10V	329-10S
3"	329-11V	329-11S

Note: These flanged are not according to standards (no din). Not suitable for use in media-bearing pipelines.



330 UNIONS FLAT SEAT, F/F ISO U1

Sizes	Code galvanized	Code black
3/8"	330-3V	330-3S
1/2"	330-4V	330-4S
3/4"	330-5V	330-5S
1"	330-6V	330-6S
1 1/4"	330-7V	330-7S
1 1/2"	330-8V	330-8S
2"	330-9V	330-9S
2 1/2"	330-10V	330-10S
3"	330-11V	330-11S
4"	330-12V	330-12S



331 UNIONS FLAT SEAT, M/F ISO U2

Sizes	Code galvanized	Code black
3/8"	331-3V	331-3S
1/2"	331-4V	331-4S
3/4"	331-5V	331-5S
1"	331-6V	331-6S
1 1/4"	331-7V	331-7S
1 1/2"	331-8V	331-8S
2"	331-9V	331-9S
2 1/2"	331-10V	331-10S
3"	331-11V	331-11S
4"	331-12V	331-12S



340 UNIONS TAPER SEAT, F/F ISO U11

Sizes	Code galvanized	Code black
3/8"	340-3V	340-3S
1/2"	340-4V	340-4S
3/4"	340-5V	340-5S
1"	340-6V	340-6S
1 1/4"	340-7V	340-7S
1 1/2"	340-8V	340-8S
2"	340-9V	340-9S
2 1/2"	340-10V	340-10S
3"	340-11V	340-11S
4"	340-12V	340-12S



PLATINUM LINE



341 UNIONS TAPER SEAT, M/F ISO U12

Sizes	Code galvanized	Code black
3/8"	341-3V	341-3S
1/2"	341-4V	341-4S
3/4"	341-5V	341-5S
1"	341-6V	341-6S
1 1/4"	341-7V	341-7S
1 1/2"	341-8V	341-8S
2"	341-9V	341-9S
2 1/2"	341-10V	341-10S
3"	341-11V	341-11S
4"	341-12V	341-12S



351 UNION SET (INCLUDING NBR SEALING)*

Art. 372	Art. 374	Code galvanized	Code black
1"	G 1 1/2"	351-6V	351-6S
1 1/4"	G 2"	351-7V	351-7S

(2 pcs x code 372 + 2 pcs x code 374 + 2 gaskets)
*not applicable for drinking water and gas
Temperatures: plus 5°C until plus 80°C



370 UNION BUSHES FLAT SEAT

Sizes		Code galvanized	Code black
Rp	G		
3/4"	1 1/4"	370-5V	370-5S
1"	1 1/2"	370-6V	370-6S
1 1/4"	2"	370-7V	370-7S
1 1/2"	2 1/4"	370-8V	370-8S
2"	2 3/4"	370-9V	370-9S
2 1/2"	3 1/2"	370-10V	370-10S

Rp = Parallel internal thread
G = Parallel external and internal threads



371 UNION END FLAT SEAT

Sizes		Code galvanized	Code black
R	D for G		
3/4"	1 1/4"	371-5V	371-5S
1"	1 1/2"	371-6V	371-6S
1 1/4"	2"	371-7V	371-7S
1 1/2"	2 1/4"	371-8V	371-8S
2"	2 3/4"	371-9V	371-9S
2 1/2"	3 1/2"	371-10V	371-10S

R = Taper external thread

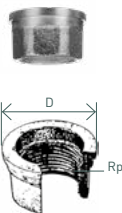


PLATINUM LINE

372 UNION END FLAT SEAT

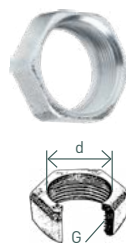
Sizes		Code galvanized	Code black
Rp	D for G		
3/8"	3/4"	372-3V	372-3S
1/2"	1"	372-4V	372-4S
3/4"	1 1/4"	372-5V	372-5S
1"	1 1/2"	372-6V	372-6S
1 1/4"	2"	372-7V	372-7S
1 1/2"	2 1/4"	372-8V	372-8S
2"	2 3/4"	372-9V	372-9S
2 1/2"	3 1/2"	372-10V	372-10S

Rp = Parallel internal thread



374 UNION NUT

d to R/Rp	G	Code galvanized	Code black
3/8"	7/8"	374-3V	374-3S
1/2"	1 1/8"	374-4V	374-3S
3/4"	1 1/4"	374-5V	374-3S
1"	1 1/2"	374-6V	374-3S
1 1/4"	2"	374-7V	374-3S
1 1/2"	2 1/4"	374-8V	374-3S
2"	2 3/4"	374-9V	374-3S
2 1/2"	3 1/2"	374-10V	374-3S



471 BRACKET ELBOW

Sizes	Code galvanized	Code black
1/2"	471-4V	471-4S
3/4"	471-5V	471-5S
1"	471-6V	471-6S



529a SOCKET M/F ISO M4

Sizes	Code galvanized	Code black
3/8"	529-3V	529-3S
1/2"	529-4V	529-4S
3/4"	529-5V	529-5S
1"	529-6V	529-6S
1 1/4"	529-7V	529-7S
1 1/2"	529-8V	529-8S
2"	529-9V	529-9S



531 NIPPLES

Sizes	Code galvanized	Code black
1/2"	531-4V	531-4S
3/4"	531-5V	531-5S
1"	531-6V	531-6S
1 1/4"	531-7V	531-7S
2"	531-9V	531-9S



HOW MANY TYPES OF MALLEABLE CAST IRON DO EXIST?

Basically there are two groups of malleable cast iron: whiteheart and blackheart. Each of these type is subdivided into further several types indicating the hardness and ductility grade.

WHAT IS THE DIFFERENCE BETWEEN WHITEHEART AND BLACKHEART MALLEABLE CAST IRONS?

Whiteheart malleable cast iron: has a white casting and put through a heat-treatment in decarburising ambience for obtaining a partial or total decarburised material. The possible residual of graphite appears as carbon tempering.

Blackheart malleable cast iron: has a white casting and put through a heat-treatment not decarburising. The residual of graphite appears as carbon tempering concentrated on surface.

WHAT DOES IT MEAN TECHNICALLY?

Here a comparison among few different types of cast iron: by taking two cylinder samples of 12 mm diameter each, a test of Tensile Strength and Bending is carried for measuring the ductile-mechanical features:

EN-GJMW-400-5	whiteheart malleable cast iron
EN-GJMB-350-10	blackheart malleable cast iron
EN-GJMW-350-4	whiteheart malleable cast iron
EN-GJMW-550-4	whiteheart malleable cast iron
EN-GJMB-450-6	blackheart malleable cast iron
EN-GJMB-550-4	blackheart malleable cast iron

Parameter	EN-GJMW-350-4 whiteheart	EN-GJMW-400-5 whiteheart	EN-GJMW-550-4 whiteheart	EN-GJMB-350-10 blackheart	EN-GJMB-450-6 blackheart	EN-GJMB-550-4 blackheart
Tensile strength Rm [N/mm ²]	350	400	550	350	450	550
Elongation A in [%]	4	5	4	10	6	4
Yield strength Rp0.2 [N/mm ²]	160	220	340	200	270	340
Brinell hardness [HB]	Max. 230	Max. 220	Max. 250	Max. 150	150/200	180/230

WHAT STANDARDS ARE APPLICABLE?

The specific Standard for malleable cast iron and its classification is: DIN EN 1562, which describes the classification, types of cast iron and testing parameters.

AND WHAT ARE THE STANDARDS FOR THREADED FITTINGS?

The specific standard is DIN EN 10242, which classifies the different types of fittings by the material, the shape, the threads, the quality test, the tolerance, the thickness of zinc coating, the testing criterions under pressure, etc.

HOW ARE THE GEBO THREADED FITTINGS CLASSIFIED?

Gebo Fittings are classified in „design symbol A“.

The fittings included in this Class must have these features:

- Material type EN-GJMW-400-5 or EN-GJMB-350-10
- Taper external thread (ISO 7/1)
- Parallel internal thread (ISO 7/1)
- Average thickness of zinc coating not under 63 micron
- Must have specific dimensional features
- Must be tested SINGULARLY by immersion in liquid with a testing pressure of 5 bar
- Must be inspected SINGULARLY for eventual defects of shape
- Must pass up to 4“ a resistance test with pressure of min. 100 bar and for 5“ and 6“ min. 64 bar
- Must be produced by a Company Certified ISO 9001
- Other parameters

Fittings accordingly to DIN EN 10242; DVGW certified, Design Symbol “A”

FITTINGS ACCORDINGLY TO DIN EN 10242





geboliquid

LIQUID SEALANT FOR THE INTERNAL SEALING OF THE WATER-BEARING PARTS OF HEATING SYSTEMS AS WELL AS CLEANING AND CARE PRODUCTS



THE COMPLETE PRODUCT RANGE



MICRO

P. 340

suitable for sealing gas-fired boiler systems with a water loss of up to **10 l** per day



S

P. 340

suitable for sealing heating systems with a water loss of up to **200 l** per day



L

P. 341

suitable for sealing heating systems with a water loss of up to **500 l** per day



XL

P. 341

suitable for sealing heating boilers with a water loss of up to **800 l** per day



CLEAN

P. 342

Heating cleaner, removes rust, limescale and sludge deposits in heating systems as part of maintenance activities



PROTECT

P. 342

Corrosion protection for heating systems, prevents damage due to corrosion, and also prevents deposits



ACCESSORIES

P. 343

Filling pump for 2 l container

USEFUL INFORMATION REGARDING THE LIQUID SEALANTS

- Reliable sealing of heating systems without leak detection and chiseling work
- Two component liquid sealant based on silicate with fibre components
- Crystallises on contact with CO²
- Suitable for sealing of gas-fired boiler systems, heating boilers and heating pipes containing water (including underfloor heating systems)
- Permanently and quickly seals leaks from inside
- It is possible to use the sealant without switching off the heating system
- Suitable for steel, iron, cast, copper and plastic materials
- Pressure-resistant up to 10 bar, and temperature-resistant up to 1200 °C
- Mixing ratio 1:100 (1 l of sealant to 100 l of water)
- Note: Gebo Liquid sealants must not be used in systems filled with frost protection and corrosion protection agents

AREAS OF APPLICATION

GEBO LIQUID SEALANT

Typical areas of application: Sealing of water leaks in:

- Heating systems
- Heating boilers
- Gas-fired boiler systems
- Condensing systems

} Liquid Micro

GEBO LIQUID CARE AGENT – LIQUID CLEAN

Typical areas of application: Cleaning of components in heating systems made of the following materials:
Steel, cast materials, aluminium and plastic
(also for underfloor heating systems)

GEBO LIQUID CARE AGENT – LIQUID PROTECT

Typical areas of application: Corrosion protection for components in heating systems made of the following materials:
Steel, iron, aluminium and copper
(also for underfloor heating systems)

GENERAL INFORMATION FOR HANDLING GEBO LIQUID PRODUCTS

- The liquid products are not suitable for consumption and children must not come into contact with them
- All liquid products are **not** suitable for use in drinking water pipes, gas pipes or wastewater pipes
- Liquid products have an unlimited shelf life if stored frost-free
- geboliquid sealants are not suitable to seal leaks in plastic-coated copper pipes



MIXING RATIO
1 : 100

MICRO	For leaks on gas-fired boiler systems with a water loss of up to 10 l/day
Article no.	Container [Litres]
75012	2

INSTRUCTIONS FOR USE FOR GEBO LIQUID MICRO:

1. Determine the volume of water present in the heating system – see table page 299 „water volume in heating systems“.
2. Filters and strainers must be removed.
3. Bring gas-fired boiler system to operating temperature (60 °C). If the operating temperature of 60 °C is not achieved, the duration of the sealing process may extend accordingly (by several days).
4. It is essential to ensure that the circulating pump operates continuously during the sealing process, because the sealant can only reach the damaged area by circulation.
5. Fully open thermostatic valves.
6. **Shake Liquid Micro well** and add undiluted via the heating filling valve into the heating circuit (1 litre of sealant to 100 litres of water) – see page 239 „dosing instruction“.
7. Thoroughly vent circulating pumps and radiators.
8. After a minimum of 24 hours, the gas-fired boiler system can be placed back into normal operation (filters and strainers must be reinstalled).
9. In order to prevent undesirable crystallisation, all working equipment and objects, which have come into contact with the liquid sealants, must be rinsed thoroughly with water.
10. After 4 weeks the gas-fired boiler system must be flushed and filled with fresh water



MIXING RATIO
1 : 100

S	For leaks on heating systems with a water loss of up to 200 l/day
Article no.	Container [Litres]
75022	2

INSTRUCTIONS FOR USE FOR GEBOLIQUID S:

1. Determine the volume of water present in the heating system – see table page 299 „water volume in heating systems“.
2. Filters and strainers must be removed.
3. Bring heating system to operating temperature (60 °C). If the operating temperature of 60 °C is not achieved, the duration of the sealing process may extend accordingly (by several days).
4. Fully open all thermostatic valves. It is essential to make sure that the circulating pump operates continuously during the sealing process, because the sealant can only reach the damaged area by circulation.
5. **Shake Geboliq S well** and add undiluted via the heating filling valve into the heating circuit (1 litre of sealant to 100 litres of water) – see page 239 „dosing instruction“.
6. Thoroughly vent circulating pumps and radiators.
7. Depending on the ambient humidity at the leak, the heating system can be placed back into normal operation after a minimum of 24 hours (reinstall filters and strainers).
8. In order to prevent undesirable crystallisation, all working equipment and objects, which have come into contact with the liquid sealants, must be rinsed thoroughly with water.
9. The sealant can remain in the system

L	For leaks on heating systems with a water loss of up to 500 l/day
Article no.	Container [Litres]
75032	2

INSTRUCTIONS FOR USE FOR GEBOLIQUID L:

- Determine the volume of water present in the heating system – see page 299 "water volume in heating systems".
- Filters and strainers must be removed.
- Bring heating system to operating temperature (60 °C). If the operating temperature of 60 °C is not achieved, the duration of the sealing process may extend accordingly (by several days).
- Fully open all thermostatic valves. It is essential to make sure that the circulating pump operates continuously during the sealing process, because the sealant can only reach the damaged area by circulation.
- Shake Gebo Liquid L well** and add undiluted via the heating filling valve into the heating circuit (1 litre of sealant to 100 litres of water) – see page 8 „dosing instruction“.
- Thoroughly vent circulating pumps and radiators.
- Depending on the ambient humidity at the leak, the heating system can be placed back into normal operation after a minimum of 24 hours (reinstall filters and strainers).
- In order to prevent undesirable crystallisation, all working equipment and objects, which have come into contact with the liquid sealants, must be rinsed thoroughly with water.
- The sealant can remain in the system.



MIXING RATIO
1 : 100

XL	For leaks on heating boilers with a water loss of up to 800 l/day
Article no.	Container [Litres]
75042	2

INSTRUCTIONS FOR USE FOR GEBOLIQUID XL:

- Determine the volume of water present in the heating boiler – see page 299 "water volume in heating systems".
- Shut off the connecting lines from the heating boiler to the radiators, by creating only a small circuit.
- Filters and strainers must be removed.
- Shake Gebo Liquid XL well** and add undiluted via the heating filling valve into the heating boiler (1 litre of sealant to 100 litres of water) – see page 45 „dosing instruction“.
- Bring boiler to an operating temperature of min. 60 °C. The sealant must remain in the boiler or in the small circuit for 4-5 hours at min. 60 °C. If the operating temperature of 60 °C is not achieved, the duration of the sealing process may extend accordingly (by several days). It is essential to ensure that the circulating pump operates continuously during the sealing process, because the sealant can only reach the damaged areas by circulation.
- Fully open thermostatic valves.
- Open the connecting lines to the radiators once more.
- Thoroughly vent circulating pumps and radiators.
- In order to prevent undesirable crystallisation, all working equipment and objects, which have come into contact with the liquid sealants, must be rinsed thoroughly with water.
- Once the sealing process is complete, reinstall strainers and filters.
- The sealant can remain in the system.



MIXING RATIO
1 : 100



MIXING RATIO
1 : 100

CLEAN	Heating cleaner for heating systems, removes rust, limescale and dirt deposits
Article no.	Container [Litres]
75052	2

OPERATING INSTRUCTIONS FOR GEBO LIQUID CLEAN:

1. Fully open thermostatic valves.
2. Determine the volume of water present in the heating system – see page 299 „water volume in heating systems“.
3. Drain the water present in the heating system.
4. Fill the heating system with fresh water and add Liquid Clean (1 litre of liquid clean to 100 litres of water) – see page 8 „dosing instruction“.
5. During the soaking time, the temperature of 50 °C should not be exceeded (circulating pump must remain in operation).
6. After 2-4 days, fully drain the heating system.
7. Flush the heating system and fill with fresh water.

Note:

Liquid Clean counteracts the effect of liquid sealants, and therefore must not be used **at the same time!** Leak sealing repairs which have already been completed, however, are not affected by the use of Liquid Clean. It is recommended to install a strainer in the return of the system, to catch the sludge which is released. In the case of very dirty systems, the cleaning process may need to be repeated.



MIXING RATIO
1 : 100

PROTECT	Corrosion protection for heating systems
Article no.	Container [Litres]
75062	2

- Hot water treatment according to VDI guideline 2035
- Corrosion inhibitor for steel, aluminium and copper-containing materials
- Prevents limescale formation in heating systems
- Compatible with frost protection agents
- Application range, pH 8.0-8.5
- non-toxic
- Equally suitable for hard and soft water

OPERATING INSTRUCTIONS FOR GEBO LIQUID PROTECT:

1. Determine the volume of water present in the heating system – see page 8 „water volume in heating systems“.
2. Start-up the circulating pump, in order to mix Gebo Liquid Protect within the heating circuit.
3. **Shake Gebo Liquid Protect well** and add via the heating filling valve into the heating circuit (1 litre of sealant to 100 litres of water) – see page 8 „dosing instruction“.
4. Immediately flush the filling pump thoroughly with water, to avoid undesirable mixing when pump is subsequently used.

Note:

An annual inspection of the still sufficiently existing corrosion protection must be performed. Gebo Liquid Protect is non-volatile and not flammable. Suitable for aluminium materials.

**MANUAL PUMP/
FILLING PUMP**

**(compatible with all 2 l containers,
suitable up to 1.5 bar)**

Article no.

75072



WATER VOLUME IN HEATING SYSTEMS:

The manufacturers' specifications must be used to determine the volume of water in radiators and panel heaters.

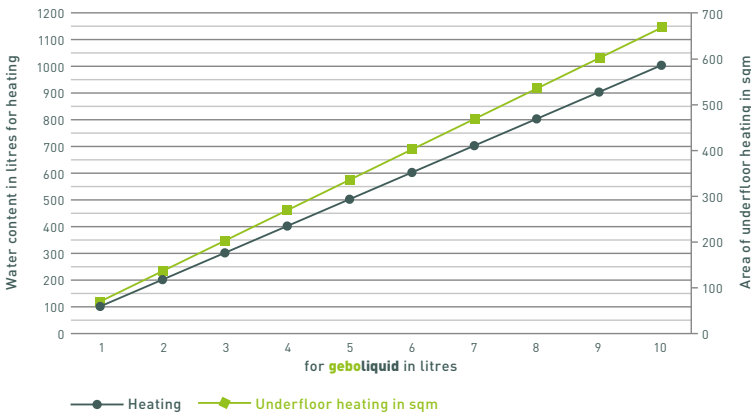
STEEL PIPES

DN	Nominal pipe diameter mm (inches)	Water content Litres / m
10	17.2 (3/8")	0.12
15	21.3 (1/2")	0.20
20	26.9 (3/4")	0.37
25	33.7 (1")	0.58
32	42.4 (1 1/4")	1.02
40	48.3 (1 1/2")	1.38
50	60.3 (2")	2.21

COPPER PIPES

DN	Nominal pipe diameter x wall thickness (mm)	Water content Litres / m
8	10 x 1.0	0.05
10	12 x 1.0	0.08
12	15 x 1.0	0.13
15	18 x 1.0	0.20
20	22 x 1.0	0.31
25	28 x 1.0	0.53
32	35 x 1.2	0.84

DOSING INSTRUCTION FOR GEBOLIQUID (Table can be extended as required)

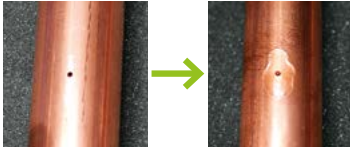


WHAT IS GEBO LIQUID ?

GEBO Liquid is a two-component sealant based on silicates with fibre components for reliable sealing of parts containing water within heating systems without requiring leak detection and repair work.

HOW IT WORKS

Gebo Liquid reacts with the CO² in the ambient air at the point of leakage, and forms a crystalline structure there.



This „mechanical“ sealing leads to a permanent seal within the pipelines.

AREA OF APPLICATION

SEALING OF WATER LEAKS IN:

- Heating systems (including underfloor heating systems)
- Heating boilers
- Gas-fired boiler systems
- Condensing systems

} geboliquid MICRO

SUITABLE FOR

- Steel
- Iron
- Stainless steel
- Copper
- Plastics (e.g.: composite plastic pipes)
- do not use for plastic-coated pipes!

The GeboLiquid sealants are pressure-resistant up to 10 bar and temperature-resistant up to 1200 °C.

WHAT MUST BE NOTED?

Precise dosing is required for properly applying Gebo Liquid sealants!**More information regarding application:**

- The filters present in the heating system must be removed before applying the sealant
- The thermostatic valves must be fully opened.
- The heating system must be completely and carefully vented
- The circulating pump must be activated, so that circulation of the sealant can be ensured
- The temperature must not drop below 60 °C, so that the sealing process can take place properly

All information regarding dosing, determining water volume, and application can be found on the labels on the canister!

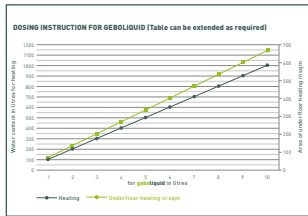
WORKING STEPS FOR GEBOLIQUID



1. Determine water loss



2. Select sealant



3. Determine water volume of the heating system



4. Set the dosing of the sealant



5. Comply with mixing ratio



6. Fill system



geboinox

STAINLESS STEEL CLAMPS WITH TOLERANCE
HIGH PRESSURE



RANGE OF PRODUCTS

**INOX GRIP S+L**

P. 352

INOX GRIP S: Stainless steel coupling with lip seal and clamping ring, especially indicated for PE, PP (PPR), and PVC tubing. (Put bushing in place in PE tubing)

INOX GRIP L: This coupling has the same features as the INOX UNION S, providing greater safety because of its length.

**INOX FLEX S+L**

P. 354

INOX FLEX S/INOX FLEX L: Coupling without clamping ring. Suitable for compensating dilatations and absorbing vibrations.

**INOX REP S**

P. 356

INOX REP S: Single band closing clamp (with hinge), for repairs and coupling of all TYPEes of tubing.

**INOX REP D**

P. 357

INOX REP D: Repair clamp with double band system. For repairing all TYPEes of tubing, in large diameters.

**INOX REP C + E**

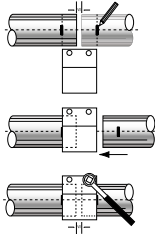
P. 358

INOX REP C/INOX REP E: Repair clamp for welding curve (INOX REP C) and repair clamp for coupling elbow (INOX REP E).

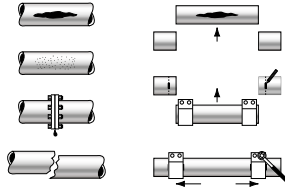
GEBO INOX TECHNICAL INFORMATION

APPLICATIONS

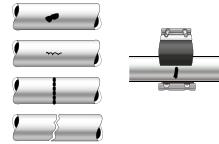
Models for coupling:
GRIP S+L, FLEX S+L



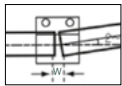
Models for partial replacement:
GRIP S, FLEX S



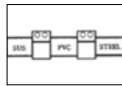
Models for repair:
REP S, REP D



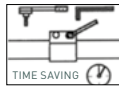
CHARACTERISTICS



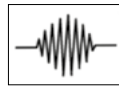
COMPENSATES
DEVIATIONS



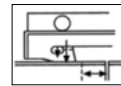
COUPLES
DIFFERENT TUBES



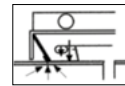
TIME SAVING
ALLEN KEY TIGHTENING SYSTEM



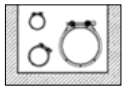
ABSORBS VIBRA-
TIONS



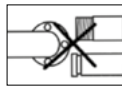
ABSORBS
EXPANSIONS



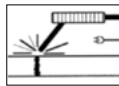
COMPENSATES
AXIAL LOADS



SPACE SAVING



UNTREATED
ENDS



FIRE RESISTANT

GEBO INOX GRIP AND INOX FLEX

- Suitable for long-lasting installation
- Resistance to traction and stretching (only INOX GRIP)
- Compensates curves and displacements
- To join same or different tubing
- Resistance to axial loads
- Space and time saving in installations
- Resistance to vibrations with noise suppression

GEBO INOX REP

- For repairing and coupling pipes Double closing system (INOX REP D), and of one band using a hinge (INOX REP S).
- For the repair of an INOX REP C welded steel curve and for the repair of INOX REP E coupling elbows.

MATERIALS INOX GRIP, FLEX AND REP

Body:	AISI 304/316 ①
Sliding Band:	AISI 304/316 ②
Screws:	AISI 304/316/S45C/SUS XM7 SCM435 GALV' ③
Bolts:	AISI 303F/316/S45C GALV' ④
Clamping Shaft:	AISI 303F/316/S45C GALV' ⑤
Clamping Ring:	AISI 304H ⑥
Rubber seal:	EPDM, sobre demanda NBR o FPM ⑦



RUBBER SEAL CHARACTERISTICS

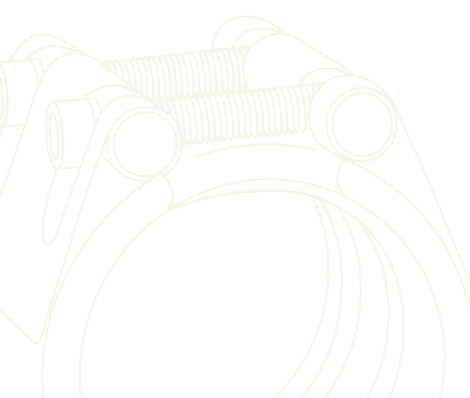
EPDM Ageing, ozone, electrical resistance; Temperature: -30 to 110 °C;
Use: Hot and cold water, air, dust, chemical product lines, (ammonium hydroxide, methyl alcohol, fatty acid, hydrogen bromide, acids, acetone lines, PH 2-11)

NBR Petroleum, abrasion, resistance to ageing; Temperature: -20 to 80 °C;
Use: Petroleum, gas, water, other hydrocarbons, (petrol, oxygen, fuel, olive oil lines, etc., PH 2-11)

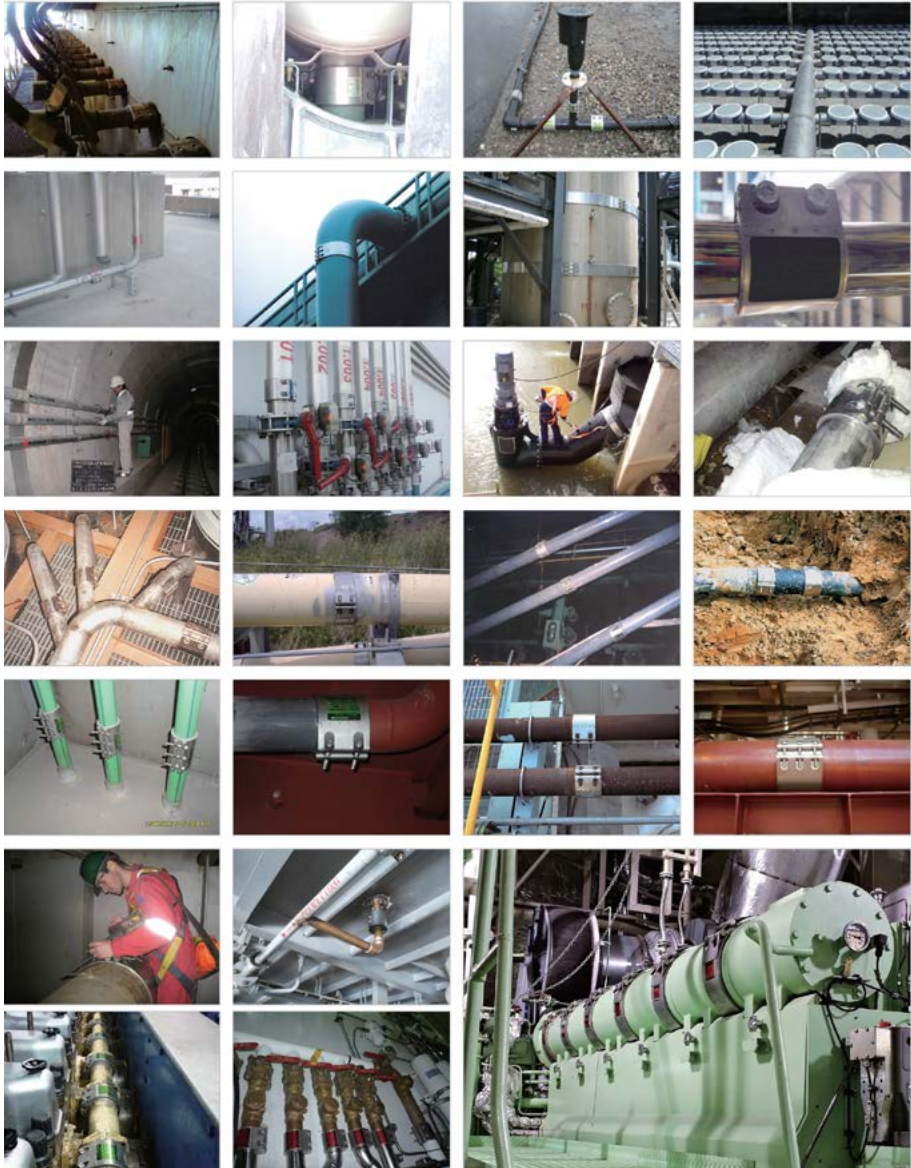
Silicona Heat, weather resistant; Temperature: -40 to 220 °C;
Use: Steam lines

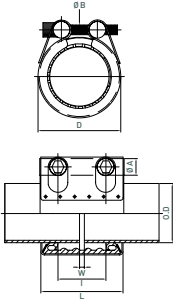
FKM/FPM Chemicals, medicine; Temperature: -18 to 300 °C;
Use: Chemical lines (toluene, sulphuric acid, hydrofluoric acid, benzene, heptane, aqua regia, lubricant oil lines, etc.)

Fluidos: Water, Compressed air; Other fluids: consult



EXAMPLES OF IMPLEMENTATION





INOX GRIP S
With clamping ring

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

Article Code	DN	Tube outer-Ø [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque [Nm]	Bolt thread
							L	I		

Length 60

65.01.019020.06	15	20.0	33.5	19.5- 20.5	16	32	60	28	7	M 6
65.01.021022.06		21.7	35.5	21.2- 22.2	16	32	60	28	7	M 6
65.01.024025.06	20	25.0	38.5	24.5- 25.5	16	32	60	28	8	M 8
65.01.026027.06		27.2	41.0	26.7- 27.7	16	32	60	28	8	M 8
65.01.027029.06		28.2	41.5	27.5- 29.0	16	32	60	28	8	M 8
65.01.029030.06	25	30.0	43.5	29.5- 30.5	16	32	60	28	8	M 8
65.01.031032.06		32.0	45.5	31.5- 32.5	16	32	60	28	8	M 8
65.01.033034.06		34.0	47.0	33.0- 34.6	16	32	60	28	8	M 8
65.01.037038.06	32	38.0	51.5	37.5- 38.5	16	32	60	28	15	M 8
65.01.039041.06		40.0	53.5	39.5- 41.5	16	32	60	28	15	M 8
65.01.041043.06		42.7	56.0	41.9- 43.0	16	32	60	28	15	M 8
65.01.044045.06		44.5	58.0	44.0- 45.0	16	32	60	28	15	M 8
65.01.047049.06	40	48.6	62.0	47.8- 49.0	16	32	60	28	15	M 8
65.01.049051.06		50.8	64.5	49.5- 51.5	16	32	60	28	15	M 8

Length 80

65.01.053054.08	50	54.0	69.6	53.4- 54.6	16	32	80	44	18	M 8
65.01.056057.08		57.0	72.6	56.4- 57.6	16	32	80	44	18	M 8
65.01.059061.08		60.5	76.0	59.0- 61.5	16	32	80	44	18	M 8
65.01.062063.08		63.0	78.6	62.4- 63.6	16	32	80	44	18	M 8
65.01.065067.08	65	66.7	82.3	65.2- 67.3	14	28	80	44	18	M 8
65.01.068070.08		69.0	84.6	68.0- 70.1	14	28	80	44	18	M 8
65.01.071074.08		73.0	88.6	71.5- 74.1	14	28	80	44	18	M 8
65.01.075077.08		76.3	92.0	75.0- 77.2	14	28	80	44	18	M 8

Length 110

65.01.078080.11	80	79.9	101.0	78.8- 80.8	14	28	110	59	35	M 12
65.01.083084.11		84.0	105.0	83.0- 84.9	14	28	110	59	35	M 12
65.01.087091.11		89.1	110.0	87.8- 91.0	14	28	110	59	35	M 12
65.01.100102.11	9 0	101.6	123.0	100.4- 102.6	14	28	110	59	35	M 12
65.01.103104.11	100	104.0	125.0	103.0- 104.8	14	28	110	59	35	M 12
65.01.105107.11		106.3	127.5	105.0- 107.4	14	28	110	59	35	M 12
65.01.106108.11		108.0	129.0	106.5- 108.5	14	28	110	59	35	M 12

65.01.109111.11		110.0	131.0	109.0- 111.0	14	28	110	59	35	M 12
65.01.113115.11		114.3	135.0	113.2- 115.4	14	28	110	59	35	M 12
65.01.124126.11	125	125.0	147.0	124.0- 126.0	14	28	111	59	45	M 12
65.01.125128.11		127.0	149.0	125.6- 128.4	14	28	111	59	45	M 12
65.01.127130.11		129.0	151.0	127.5- 130.0	14	28	111	59	45	M 12
65.01.131134.11		133.0	155.0	131.6- 134.4	14	28	111	59	45	M 12
65.01.137140.11		139.8	162.0	137.7- 140.9	14	28	111	59	45	M 12
65.01.139142.11		141.3	163.3	139.7- 142.5	14	28	111	59	45	M 12
65.01.151155.11	150	154.0	176.0	151.5- 155.0	12	24	111	59	45	M 12
65.01.156160.11		159.0	181.0	156.5- 160.0	12	24	111	59	45	M 12
65.01.163166.11		165.2	187.0	163.3- 166.7	12	24	111	59	45	M 12
65.01.166170.11		168.3	190.3	166.6- 170.0	12	24	111	59	45	M 12
65.01.178182.11	175	180.0	202.0	178.0- 182.0	10	20	111	59	45	M 12

Length 150

65.01.196201.15	200	200.0	226.6	196.2- 201.5	8	16	150	89	70	M 14
65.01.202206.15		204.0	230.6	202.7- 206.7	8	16	150	89	70	M 14
65.01.214218.15		216.3	243.0	214.5- 218.3	8	16	150	89	70	M 14
65.01.217221.15		219.1	245.7	217.0- 221.0	8	16	150	89	70	M 14
65.01.223227.15		225.0	251.6	223.0- 227.0	8	16	150	89	70	M 14
65.01.251256.15	250	254.0	280.6	251.4- 256.6	8	16	150	89	70	M 14
65.01.264270.15		267.4	294.0	264.8- 270.0	8	16	150	89	70	M 14
65.01.270275.15		273.1	299.7	270.4- 275.6	8	16	150	89	70	M 14
65.01.301306.15	300	304.0	330.6	301.5- 306.6	7	14	150	89	70	M 14
65.01.316322.15		318.5	345.0	316.0- 322.0	7	14	150	89	70	M 14
65.01.321327.15		323.9	350.5	321.0- 327.4	7	14	150	89	70	M 14
65.01.352360.15	350	355.6	382.2	352.0- 360.0	7	14	150	89	70	M 14

Distance between tubes (W):

DN 15 - 65 0-8 mm
 DN 80 and above 0-15mm

Angular deviation:

DN 15-50 5°
 DN 65 - 175 4°
 DN 200 and above 2°

INOX GRIP L
With clamping ring

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM



Article Code	DN	Tube outer- ϕ [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]	Length [mm]		Tightening torque (NM)	Bolt thread
						L	I		

Length 100

65.02.019020.10	15	20.0	33.5	19.5- 20.5	16	32	100	70	7	M 6
65.02.021022.10		21.7	35.5	21.2- 22.2	16	32	100	70	7	M 6
65.02.024025.10	20	25.0	38.5	24.5- 25.5	16	32	100	70	7	M 6
65.02.026027.10		27.2	41.0	26.7- 27.7	16	32	100	70	7	M 6
65.02.031032.10	25	32.0	45.5	31.5- 32.5	16	32	100	70	7	M 6
65.02.033034.10		34.0	47.0	33.0- 34.6	16	32	100	70	7	M 6
65.02.039041.10	32	40.0	53.5	39.5- 41.5	16	32	100	70	7	M 6
65.02.041043.10		42.7	56.0	41.9- 43.0	16	32	100	70	7	M 6
65.02.047049.10	40	48.6	62.0	47.8- 49.0	16	32	100	70	7	M 6
65.02.049051.10		50.8	64.5	49.5- 51.5	16	32	100	70	7	M 6

Length 150

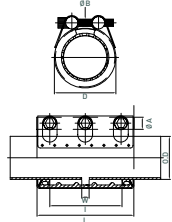
65.02.059061.15	50	60.5	76.0	59.0- 61.5	16	32	150	110	18	M 8
65.02.062063.15	65	63.0	78.6	62.4- 63.6	16	32	150	110	18	M 8
65.02.068070.15		69.0	84.6	68.0- 70.1	14	28	150	110	18	M 8
65.02.071074.15		73.0	88.6	71.5- 74.1	14	28	150	110	18	M 8
65.02.075077.15		76.3	92.0	75.0- 77.2	14	28	150	110	18	M 8

Length 200

65.02.087091.20	80	89.1	110.0	87.8- 91.0	14	28	200	150	35	M 12
65.02.100102.20	90	101.6	123.0	100.4- 102.6	14	28	200	150	35	M 12
65.02.103104.20	100	104.0	125.0	103.0- 104.8	14	28	200	150	35	M 12
65.02.105107.20		106.3	127.5	105.0- 107.4	14	28	200	150	35	M 12
65.02.106108.20	125	108.0	129.0	106.5- 108.5	14	28	200	150	35	M 12
65.02.109111.20		110.0	131.0	109.0- 111.0	14	28	200	150	35	M 12
65.02.113115.20		114.3	135.0	113.2- 115.4	14	28	200	150	35	M 12
65.02.137140.20	150	139.8	162.0	137.7- 140.9	14	28	200	150	45	M 12
65.02.156160.20		159.0	181.0	156.5- 160.0	12	24	201	150	45	M 12
65.02.163166.20	300	165.2	187.0	163.3- 166.7	12	24	201	150	45	M 12
65.02.166170.20		168.3	190.3	166.6- 170.0	12	24	201	150	45	M 12

Length 250

65.02.214218.25	200	216.3	243.0	214.5- 218.3	8	16	250	185	70	M 16
65.02.217221.25		219.1	245.7	217.0- 221.0	8	16	250	185	70	M 16
65.02.223227.25	250	225.0	251.6	223.0- 227.0	8	16	250	185	70	M 16
65.02.264270.25		267.4	294.0	264.8- 270.0	8	16	250	185	70	M 16
65.02.270275.25	300	273.1	299.7	270.4- 275.6	8	16	250	185	70	M 16
65.02.316322.25		318.5	345.0	316.0- 322.0	7	14	250	185	70	M 16
65.02.321327.25		323.9	350.5	321.0- 327.4	7	14	250	185	70	M 16



Distance between tubes (W)

DN 15-65 0-8 mm
DN 80 and above 0-15 mm

Angular deviation:

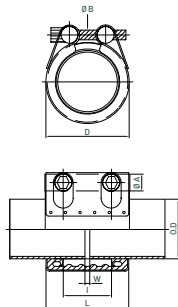
DN 15-50 5°
DN 65-175 4°
DN 200 and above 2°



INOX FLEX S

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

Article Code	DN	Tube outer-Ø [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt
							L	I		
Length 60										
65.05.019020.06	15	20.0	30.0	19.5- 20.5	16	32	60	28	7	M 6
65.05.021022.06		21.7	31.7	21.0- 22.0	16	32	60	28	7	M 6
65.05.024026.06	20	25.0	37.6	24.0- 26.0	16	32	60	28	7	M 8
65.05.026028.06		27.2	39.8	26.0- 28.0	16	32	60	28	7	M 8
65.05.026029.06		28.2	40.8	26.4- 29.0	16	32	60	28	7	M 8
65.05.029031.06	25	30.0	42.6	29.0- 31.0	16	32	60	28	7	M 8
65.05.031033.06		32.0	44.6	31.0- 33.0	16	32	60	28	7	M 8
65.05.033035.06		34.0	46.6	33.0- 35.0	16	32	60	28	7	M 8
65.05.037039.06	32	38.0	50.6	37.0- 39.0	16	32	60	28	7	M 8
65.05.039041.06		40.0	52.6	39.5- 41.3	16	32	60	28	7	M 8
65.05.042044.06		42.7	55.3	42.0- 44.0	16	32	60	28	7	M 8
65.05.044046.06		44.5	57.1	44.0- 46.0	16	32	60	28	7	M 8
65.05.047049.06	40	48.6	61.2	47.5- 49.5	16	32	60	28	7	M 8
65.05.049051.06		50.8	63.4	49.2- 51.5	16	32	60	28	7	M 8
Length 80										
65.05.053055.08	50	54.0	69.0	53.0- 55.0	16	32	80	44	12	M 8
65.05.056058.08		57.0	72.0	56.0- 58.0	16	32	80	44	12	M 8
65.05.059061.08		60.5	75.5	59.0- 61.5	16	32	80	44	12	M 8
65.05.062064.08		63.0	78.0	62.0- 64.0	16	32	80	44	12	M 8
65.05.065068.08	65	66.7	81.7	65.4- 68.3	14	28	80	44	-	M -
65.05.068071.08		69.0	84.0	68.5- 71.0	14	28	80	44	12	M 8
65.05.072075.08		73.0	88.0	72.5- 75.5	14	28	80	44	12	M 8
65.05.075078.08		76.3	91.3	75.0- 78.0	14	28	80	44	12	M 8
Length 110										
65.05.078082.11	80	79.9	98.9	78.8- 82.0	14	28	110	59	15	M 12
65.05.082085.11		84.0	103.0	82.5- 85.5	14	28	110	59	15	M 12
65.05.089091.11		89.1	108.0	89.0- 91.0	14	28	110	59	15	M 12
65.05.100103.11	90	101.6	121.0	100.0-103.0	14	28	110	59	15	M 12
65.05.102105.11	100	104.0	123.0	102.0-105.0	14	28	110	59	15	M 12
65.05.105107.11		106.3	125.3	105.0-107.5	14	28	110	59	15	M 12
65.05.106109.11		108.0	127.0	106.0-109.0	14	28	110	59	15	M 12
65.05.108111.11		110.0	131.0	108.5-111.5	14	28	110	59	15	M 12
65.05.113118.11		114.3	133.0	113.0-118.0	14	28	110	59	15	M 12
65.05.125129.11	125	127.0	147.0	125.0-129.0	14	28	111	59	25	M 12
65.05.127130.11		129.0	149.0	127.5-130.0	14	28	111	59	25	M 12
65.05.131135.11		133.0	153.0	131.0-135.0	14	28	111	59	25	M 12
65.05.138142.11		139.8	160.0	138.0-142.0	14	28	111	59	25	M 12
65.05.139143.11		141.3	161.3	139.5-143.5	14	28	111	59	25	M 12
65.05.151155.11	150	154.0	174.0	151.5-155.5	12	24	111	59	25	M 12
65.05.156160.11		159.0	179.0	156.0-160.0	12	24	111	59	25	M 12
65.05.164167.11		165.2	185.0	164.0-167.0	12	24	111	59	25	M 12
65.05.166170.11		168.3	188.0	166.0-170.0	12	24	111	59	25	M 12
65.05.178182.11	175	180.0	200.0	178.0-182.0	10	20	111	59	30	M 12
Length 150										
65.05.196203.15	200	200.0	224.5	196.0-203.0	8	16	150	89	35	M 14
65.05.202206.15		204.0	228.5	202.0- 206.0	8	16	150	89	35	M 14
65.05.214218.15		216.3	240.0	214.0- 218.5	8	16	150	89	35	M 14
65.05.216221.15		219.1	243.6	216.5- 221.5	8	16	150	89	35	M 14
65.05.223227.15		225.0	249.5	223.0- 227.0	8	16	150	89	35	M 14
65.05.251257.15	250	254.0	278.5	251.0- 257.0	8	16	150	89	35	M 14
65.05.262269.15		267.4	292.0	262.0- 269.0	8	16	150	89	35	M 14
65.05.270276.15		273.1	297.6	270.0- 276.0	8	16	150	89	35	M 14
65.05.301308.15	300	304.0	328.5	301.5- 308.0	7	14	150	89	35	M 14
65.05.316322.15		318.5	343.0	316.0- 322.5	7	14	150	89	35	M 14
65.05.322328.15		323.9	348.4	322.0- 328.0	7	14	150	89	35	M 14
65.05.352360.15	350	355.6	380.0	352.0- 360.0	7	14	150	89	75	M 14
65.05.402410.15	400	406.4	431.0	402.0- 410.0	6	12	150	89	75	M 14
65.05.453460.15	450	457.2	481.0	453.0- 460.0	6	12	150	89	90	M 14
65.05.504512.15	500	508.0	532.0	504.0- 512.0	5	10	150	89	90	M 14
65.05.555563.15	550	558.8	583.0	555.0- 563.0	4.6	9.2	150	89	90	M 14
65.05.605614.15	600	609.6	634.0	605.0- 614.0	4.2	8.4	150	89	90	M 14



Maximum axial movement

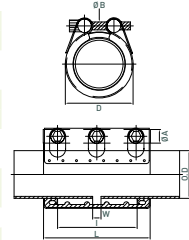
DN 15 - 150	5 mm
DN 175 - 500	10 mm
DN 550 and above	15 mm

INOX FLEX L

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

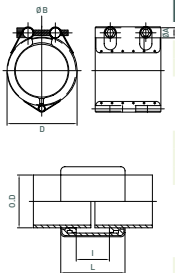


Article Code	DN	Tube outer- ϕ [mm]	D [MM]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt
							L	I		
Length 100										
65.06.019020.10	15	20.0	30.0	19.5 - 20.5	16	32	100	70	7	M 6
65.06.021022.10		21.7	31.7	21.0 - 22.0	16	32	100	70	7	M 6
65.06.024026.10	20	25.0	37.6	24.0 - 26.0	16	32	100	70	7	M 6
65.06.026028.10		27.2	39.8	26.0 - 28.0	16	32	100	70	7	M 6
65.06.031033.10	25	32.0	44.6	26.4 - 29.0	16	32	100	70	7	M 6
65.06.033035.10		34.0	46.6	29.0 - 31.0	16	32	100	70	7	M 6
65.06.039041.10	32	40.0	52.6	31.0 - 33.0	16	32	100	70	7	M 6
65.06.042044.10		42.7	55.3	33.0 - 35.0	16	32	100	70	7	M 6
65.06.047049.10	40	48.6	61.2	37.0 - 39.0	16	32	100	70	7	M 6
65.06.049051.10		50.8	63.4	39.5 - 41.3	16	32	100	70	7	M 6
Length 150										
65.06.059061.15	50	60.5	75.5	53.0 - 55.0	16	32	150	110	12	M 8
65.06.062064.15		63.0	78.0	56.0 - 58.0	16	32	150	110	12	M 8
65.06.068071.15	65	69.0	84.0	59.0 - 61.5	14	28	150	110	12	M 8
65.06.072075.15		73.0	88.0	62.0 - 64.0	14	28	150	110	12	M 8
65.06.075078.15		76.3	91.3	65.4 - 68.3	14	28	150	110	12	M 8
Length 200										
65.06.089091.20	80	89.1	108.0	78.8 - 82.0	14	28	200	150	15	M 12
65.06.100103.20	90	101.6	121.0	82.5 - 85.5	14	28	200	150	15	M 12
65.06.102105.20	100	104.0	123.0	89.0 - 91.0	14	28	200	150	15	M 12
65.06.105107.20		106.3	125.3	100.0 - 103.0	14	28	200	150	15	M 12
65.06.106109.20		108.0	127.0	102.0 - 105.0	14	28	200	150	15	M 12
65.06.108111.20		110.0	129.0	105.0 - 107.5	14	28	200	150	15	M 12
65.06.113118.20		114.3	133.0	106.0 - 109.0	14	28	200	150	15	M 12
65.06.138142.20	125	139.8	160.0	108.5 - 111.5	14	28	200	150	25	M 12
65.06.139143.20		141.3	161.3	113.0 - 118.0	14	28	200	150	25	M 12
65.06.156160.20	150	159.0	179.0	125.0 - 129.0	12	24	201	150	25	M 12
65.06.164167.20		165.2	185.0	127.5 - 130.0	12	24	201	150	25	M 12
65.06.166170.20		168.3	188.0	131.0 - 135.0	12	24	201	150	25	M 12
Length 250										
65.06.214218.25	200	216.3	240.0	196.0 - 203.0	8	16	250	185	35	M 16
65.06.216221.25		219.1	243.6	202.0 - 206.0	8	16	250	185	35	M 16
65.06.223227.25		225.0	249.5	214.0 - 218.5	8	16	250	185	35	M 16
65.06.262269.25	250	267.4	292.0	216.5 - 221.5	8	16	250	185	35	M 16
65.06.270276.25		273.1	297.6	223.0 - 227.0	8	16	250	185	35	M 16
65.06.316322.25	300	318.5	343.0	251.0 - 257.0	7	14	250	185	35	M 16
65.06.322328.25		323.9	348.4	262.0 - 269.0	7	14	250	185	35	M 16
65.06.352360.25	350	355.6	380.0	270.0 - 276.0	7	14	250	185	75	M 16
65.06.402410.25	400	406.4	431.0	301.5 - 308.0	6	12	250	185	75	M 16
65.06.453460.25	450	457.2	481.0	316.0 - 322.5	6	12	250	185	90	M 16
65.06.504512.25	500	508.0	532.0	322.0 - 328.0	5	10	250	185	90	M 16
65.06.555563.25	550	558.8	583.0	352.0 - 360.0	4.6	9.2	250	185	90	M 16
65.06.605614.25	600	609.6	634.0	402.0 - 410.0	4.2	8.4	250	185	90	M 16



Maximum axial movement

DN 15 - 150 5 mm
 DN 175 - 500 10 mm
 DN 550 y above 15 mm



INOX REP S

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

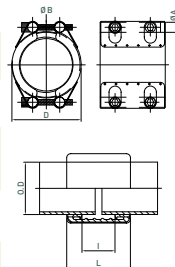
Article Code	DN	Tube outer-Ø [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt	
							L	I			
Length 60											
65.03.019020.06	15	20.0	32.6	19.5 - 20.5	16	32	60	28	-	M -	
65.03.021022.06		21.7	34.3	21.0 - 22.0	16	32	60	28	7	M 6	
65.03.024026.06	20	25.0	37.6	24.0 - 26.0	16	32	60	28	7	M 8	
65.03.026028.06		27.2	39.8	26.0 - 28.0	16	32	60	28	7	M 8	
65.03.026029.06	25	28.2	40.8	26.4 - 29.0	16	32	60	28	7	M 8	
65.03.029031.06		30.0	42.6	29.0 - 31.0	16	32	60	28	7	M 8	
65.03.031033.06	32	32.0	44.6	31.0 - 33.0	16	32	60	28	7	M 8	
65.03.033035.06		34.0	46.6	33.0 - 35.0	16	32	60	28	7	M 8	
65.03.037039.06	40	38.0	50.6	37.0 - 39.0	16	32	60	28	7	M 8	
65.03.039041.06		40.0	52.6	39.5 - 41.3	16	32	60	28	7	M 8	
65.03.042044.06	50	42.7	55.3	42.0 - 44.0	16	32	60	28	7	M 8	
65.03.044046.06		44.5	57.1	44.0 - 46.0	16	32	60	28	7	M 8	
65.03.047049.06	60	48.6	61.2	47.5 - 49.5	16	32	60	28	7	M 8	
65.03.049051.06		50.8	63.4	49.2 - 51.5	16	32	60	28	7	M 8	
Length 80											
65.03.053055.08	65	54.0	65.0	53.0 - 55.0	16	32	80	44	12	M 8	
65.03.056058.08		57.0	72.0	56.0 - 58.0	16	32	80	44	12	M 8	
65.03.059061.08	80	60.5	75.5	59.0 - 61.5	16	32	80	44	12	M 8	
65.03.062064.08		63.0	78.0	62.0 - 64.0	16	32	80	44	12	M 8	
65.03.065068.08	90	66.7	81.7	65.4 - 68.3	14	28	80	44	-	M -	
65.03.068071.08		69.0	84.0	68.5 - 71.0	14	28	80	44	12	M 8	
65.03.072075.08	100	73.0	88.0	72.5 - 75.5	14	28	80	44	12	M 8	
65.03.075078.08		76.3	91.3	75.0 - 78.0	14	28	80	44	12	M 8	
Length 110											
65.03.078082.11	125	79.9	98.4	78.8 - 82.0	14	28	110	59	30	M 12	
65.03.082085.11		84.0	102.5	82.5 - 85.5	14	28	110	59	30	M 12	
65.03.088091.11	150	89.1	108.0	88.0 - 91.0	14	28	110	59	30	M 12	
65.03.100103.11		90	101.6	121.0	100.0 - 103.0	14	28	110	59	30	M 12
65.03.102105.11	175	104.0	122.5	102.0 - 105.0	14	28	110	59	40	M 12	
65.03.105107.11		106.3	124.8	105.0 - 107.5	14	28	110	59	40	M 12	
65.03.106109.11	200	108.0	126.5	106.0 - 109.0	14	28	110	59	40	M 12	
65.03.108111.11		110.0	129.0	108.5 - 111.5	14	28	110	59	40	M 12	
65.03.113116.11	250	114.3	133.0	113.0 - 116.0	14	28	110	59	40	M 12	
65.03.125129.11		127.0	147.0	125.0 - 129.0	14	28	111	59	40	M 12	
65.03.127130.11	300	129.0	149.0	127.5 - 130.0	14	28	111	59	40	M 12	
65.03.131135.11		133.0	153.0	131.0 - 135.0	14	28	111	59	40	M 12	
65.03.138142.11	350	139.8	160.0	138.0 - 142.0	14	28	111	59	40	M 12	
65.03.139143.11		141.3	161.3	139.5 - 143.5	14	28	111	59	40	M 12	
65.03.151155.11	400	154.0	174.0	151.5 - 155.5	12	24	111	59	40	M 12	
65.03.156160.11		159.0	179.0	156.0 - 160.0	12	24	111	59	40	M 12	
65.03.164167.11	450	165.2	185.0	164.0 - 167.0	12	24	111	59	40	M 12	
65.03.166170.11		168.3	188.3	166.0 - 170.0	12	24	111	59	40	M 12	
65.03.178182.11	175	180.0	200.0	178.0 - 182.0	10	20	111	59	45	M 12	
Length 150											
65.03.198203.15	200	200.0	224.5	198.0 - 203.0	8	16	150	89	60	M 14	
65.03.202206.15		204.0	228.5	202.0 - 206.0	8	16	150	89	60	M 14	
65.03.214218.15	250	216.3	240.0	214.0 - 218.5	8	16	150	89	60	M 14	
65.03.216221.15		219.1	243.6	216.5 - 221.5	8	16	150	89	60	M 14	
65.03.222227.15	300	225.0	249.5	222.5 - 227.5	8	16	150	89	60	M 14	
65.03.251257.15		254.0	278.5	251.0 - 257.0	8	16	150	89	60	M 14	
65.03.262269.15	350	267.4	292.0	262.0 - 269.0	8	16	150	89	60	M 14	
65.03.270276.15		273.1	297.6	270.0 - 276.0	8	16	150	89	60	M 14	
65.03.301308.15	400	304.0	328.5	301.5 - 308.0	7	14	150	89	60	M 14	
65.03.316322.15		318.5	343.0	316.0 - 322.5	7	14	150	89	60	M 14	
65.03.323228.15	450	323.9	348.4	322.0 - 328.0	7	14	150	89	60	M 14	
65.03.352359.15		350	355.6	380.1	352.0 - 359.5	7	14	150	89	75	M 14
65.03.402410.15	500	406.4	430.9	402.0 - 410.0	6	12	150	89	75	M 14	
65.03.453460.15		450	457.2	481.7	453.0 - 460.0	6	12	150	89	90	M 14
65.03.504512.15	550	500	508.0	532.5	504.0 - 512.0	5	10	150	89	90	M 14
65.03.555563.15		550	558.8	583.3	555.0 - 563.0	4.6	9.2	150	89	90	M 14
65.03.605614.15	600	609.6	634.1	605.0 - 614.0	4.2	8.4	150	89	90	M 14	

INOX REP D

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM



Article Code	DN	Tube outer-Ø [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt
							L	I		
Length 60										
65.04.015017.06	13	15.8	34.0	15.3 - 17.0	16	32	60	28	7	
65.04.019021.06	15	20.0	32.6	19.5 - 21.3	16	32	60	28	7	
65.04.021023.06		21.7	34.3	21.0 - 23.0	16	32	60	28	7	
65.04.024026.06	20	25.0	37.6	24.0 - 26.5	16	32	60	28	7	
65.04.026028.06		27.2	39.8	26.0 - 28.5	16	32	60	28	7	
65.04.026029.06		28.2	40.8	26.4 - 29.5	16	32	60	28	7	
65.04.029031.06	25	30.0	42.6	29.0 - 31.5	16	32	60	28	7	
65.04.031033.06		32.0	44.6	31.0 - 33.5	16	32	60	28	7	
65.04.033035.06		34.0	46.6	33.0 - 35.5	16	32	60	28	7	
65.04.037039.06	32	38.0	50.6	37.0 - 39.5	16	32	60	28	7	
65.04.039041.06		40.0	52.6	39.5 - 41.8	16	32	60	28	7	
65.04.042044.06		42.7	55.3	42.0 - 44.5	16	32	60	28	7	
65.04.044046.06		44.5	57.1	44.0 - 46.5	16	32	60	28	7	
65.04.047050.06	40	48.6	61.2	47.5 - 50.5	16	32	60	28	7	
65.04.049051.06		50.8	63.4	49.2 - 51.2	16	32	60	28	7	
Length 80										
65.04.053056.08	50	54.0	69.0	53.0 - 56.0	16	32	80	44	12	
65.04.056059.08		57.0	72.0	56.0 - 59.0	16	32	80	44	12	
65.04.059062.08		60.5	75.5	59.0 - 62.0	16	32	80	44	12	
65.04.062065.08		63.0	78.0	62.0 - 65.0	16	32	80	44	12	
65.04.065069.08	65	66.7	81.7	65.4 - 69.0	14	28	80	44	-	
65.04.068072.08		69.0	84.0	68.0 - 72.0	14	28	80	44	12	
65.04.072076.08		73.0	88.0	72.5 - 76.5	14	28	80	44	12	
65.04.075079.08		76.3	91.3	75.0 - 79.0	14	28	80	44	12	
65.04.078083.08	80	79.9	96.9	78.8 - 83.0	14	28	80	59	15	
65.04.082086.08		84.0	103.0	82.5 - 86.0	14	28	80	59	15	
65.04.088092.08		89.1	108.0	88.0 - 92.0	14	28	80	59	15	
65.04.100104.08	90	101.6	121.0	100.0 - 104.0	14	28	80	59	15	
Length 110										
65.04.102106.11	100	104.0	123.0	102.0 - 106.0	14	28	110	59	15	
65.04.105108.11		106.3	125.3	105.0 - 108.5	14	28	110	59	15	
65.04.106110.11		108.0	127.0	106.0 - 110.0	14	28	110	59	15	
65.04.113118.11		114.3	133.0	113.0 - 118.0	14	28	110	59	15	
65.04.125129.11	125	127.0	147.0	125.0 - 129.5	14	28	111	59	25	
65.04.127131.11		129.0	149.0	127.5 - 131.0	14	28	111	59	25	
65.04.131135.11		133.0	153.0	131.0 - 135.5	14	28	111	59	25	
65.04.138142.11		139.8	160.0	138.0 - 142.5	14	28	111	59	25	
65.04.139144.11		141.3	161.3	139.5 - 144.0	14	24	111	59	25	
65.04.151158.11	150	154.0	174.0	151.5 - 158.0	12	24	111	59	25	
65.04.156161.11		159.0	179.0	156.0 - 161.0	12	24	111	59	25	
65.04.164168.11		165.2	185.0	164.0 - 168.5	12	24	111	59	25	
65.04.166170.11		168.3	188.3	166.0 - 170.5	12	24	111	59	25	
65.04.178183.11	175	180.0	200.0	178.0 - 183.0	10	20	111	59	30	
Length 150										
65.04.198203.15	200	200.0	224.2	198.0 - 203.5	8	16	150	89	45	
65.04.202206.15		204.0	228.2	202.0 - 206.5	8	16	150	89	45	
65.04.214219.15		216.3	240.0	214.0 - 219.0	8	16	150	89	45	
65.04.216222.15		219.1	243.3	216.5 - 222.0	8	16	150	89	45	
65.04.221229.15		225.0	249.5	221.0 - 229.0	8	16	150	89	45	
65.04.251257.15	250	254.0	278.2	251.0 - 257.0	8	16	150	89	45	
65.04.262270.15		267.4	292.0	262.0 - 270.0	8	16	150	89	45	
65.04.270277.15		273.1	297.3	270.0 - 277.0	8	16	150	89	45	
65.04.301309.15	300	304.0	328.2	301.5 - 309.0	7	14	150	89	75	
65.04.316323.15		318.5	343.0	316.0 - 323.0	7	14	150	89	75	
65.04.322329.15		323.9	348.1	322.0 - 329.0	7	14	150	89	75	
65.04.352361.15	350	355.6	380.0	352.0 - 361.0	7	14	150	89	75	
65.04.402411.15	400	408.4	431.0	402.0 - 411.0	6	12	150	89	75	
65.04.453462.15	450	457.2	481.0	453.0 - 462.0	6	12	150	89	90	
65.04.504513.15	500	508.0	532.0	504.0 - 513.0	5	10	150	89	90	
65.04.554564.15	550	558.8	583.0	554.0 - 564.0	4,6	9,2	150	89	90	
65.04.605615.15	600	609.6	634.0	605.0 - 615.0	4,2	8,4	150	89	90	
65.04.656666.15	650	660.4	684.6	654.0 - 666.0	-	8	150	89	90	
65.04.705717.15	700	711.2	735.0	705.0 - 717.0	-	7,4	150	89	90	
65.04.756768.15	750	762.0	786.2	756.0 - 768.0	-	7,2	150	89	90	
65.04.806818.15	800	812.8	837.0	806.0 - 818.0	-	6,8	150	89	90	
65.04.857869.15	850	863.6	887.8	857.0 - 869.0	-	6,4	150	89	90	
65.04.908920.15	900	914.4	938.6	908.0 - 920.0	-	6	150	89	90	
65.04.10101022.15	1000	1016.0	1040.2	1010.0 - 1022.0	-	5,4	150	89	90	

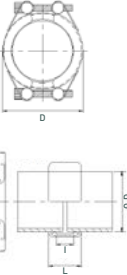




INOX REP C



- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

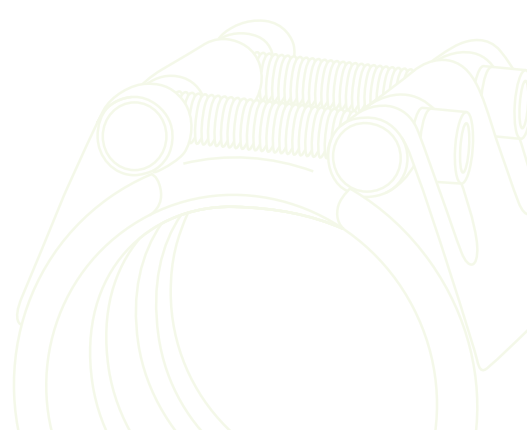
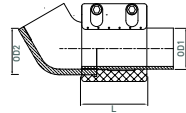
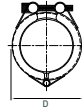
Article Code	DN	Tube outer-Ø [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt
							L	I		
Length 27										
65.07.015017.02	13	15.8	34.0	15.3 - 17.0	17.5	40	27	8	7	M 6
65.07.019021.02	15	20.0	38.0	19.5 - 21.3	17.5	35	27	10	7	M 6
65.07.021023.02		21.7	39.0	21.0 - 23.0	17.5	35	27	10	7	M 6
65.07.024026.02	20	25.0	43.0	24.0 - 26.5	17.5	35	27	10	7	M 6
65.07.026028.02		27.2	45.0	26.0 - 28.5	17.5	35	27	10	7	M 6
65.07.026029.02		28.2	46.0	26.4 - 29.5	17.5	35	27	10	7	M 6
65.07.029031.02	25	30.0	48.0	29.0 - 31.5	17.5	35	27	10	7	M 6
65.07.031033.02		32.0	50.0	31.0 - 33.5	17.5	35	27	10	7	M 6
65.07.033035.02		34.0	52.0	33.0 - 35.5	17.5	35	27	10	7	M 6
65.07.037039.02	32	38.0	56.0	37.0 - 39.5	17.5	35	27	10	7	M 6
65.07.039041.02		40.0	58.0	39.5 - 41.8	17.5	35	27	10	7	M 6
65.07.042044.02		42.7	61.0	42.0 - 44.5	17.5	35	27	10	7	M 6
65.07.044046.02		44.5	62.5	44.0 - 45.5	17.5	35	27	10	7	M 6
65.07.047050.02	40	48.6	65.0	47.5 - 50.5	15	30	27	10	7	M 6
65.07.049051.02		50.8	68.8	49.2 - 51.5	15	30	27	10	7	M 6
Length 40										
65.07.053056.04	50	54.0	78.6	53.0 - 56.0	15	30	40	18	12	M 8
65.07.056059.04		57.0	81.6	56.0 - 59.0	15	30	40	18	12	M 8
65.07.059062.04		60.5	85.0	59.0 - 62.0	15	30	40	18	12	M 8
65.07.062065.04		63.0	87.6	62.0 - 65.0	15	30	40	18	12	M 8
65.07.066069.04	65	66.7	91.3	65.4 - 69.0	15	30	40	18	12	M 8
65.07.068072.04		69.0	93.6	68.0 - 72.0	15	30	40	18	12	M 8
65.07.072076.04		73.0	97.6	72.5 - 76.5	15	30	40	18	12	M 8
65.07.075079.04		76.3	101.0	75.0 - 79.0	15	30	40	18	12	M 8
Length 60										
65.07.078083.06	80	79.9	111.9	78.8 - 83.0	15	30	60	29	28	M 12
65.07.082086.06		84.0	118.0	82.5 - 86.5	15	30	60	29	28	M 12
65.07.088092.06		89.1	121.0	88.0 - 92.0	15	30	60	29	28	M 12
65.07.100104.06	90	101.6	133.0	100.0 - 104.0	15	30	60	29	28	M 12
65.07.102106.06	100	104.0	136.0	102.0 - 105.0	12.5	25	60	29	28	M 12
65.07.105108.06		106.3	138.3	105.0 - 108.5	12.5	25	60	29	28	M 12
65.07.106110.06		108.0	140.0	106.0 - 110.0	12.5	25	60	29	28	M 12
65.07.113118.06		114.3	147.0	113.0 - 118.0	12.5	25	60	29	28	M 12
65.07.125129.06	125	127.0	159.4	125.0 - 129.5	9	18	60	29	28	M 12
65.07.127131.06		129.0	161.4	127.5 - 131.0	9	18	60	29	28	M 12
65.07.131135.06		133.0	165.4	131.0 - 135.5	9	18	60	29	28	M 12
65.07.138142.06		139.8	172.0	138.0 - 142.5	9	18	60	29	28	M 12
65.07.139144.06		141.3	173.7	139.5 - 144.0	9	18	60	29	28	M 12
65.07.151156.06	150	154.0	186.4	151.5 - 156.5	9	18	60	29	28	M 12
65.07.156161.06		159.0	191.4	156.0 - 161.5	9	18	60	29	28	M 12
65.07.164168.06		165.2	198.0	164.0 - 168.0	9	18	60	29	28	M 12
65.07.166171.06		168.3	200.7	166.0 - 171.0	9	18	60	29	28	M 12
65.07.178183.06	175	180.0	212.4	178.0 - 183.0	8	16	60	29	28	M 12
Length 61										
65.07.198203.06	200	200.0	232.7	198.0 - 203.5	8	16	61	29	40	M 12
65.07.202206.06		204.0	236.7	202.0 - 206.5	8	16	61	29	40	M 12
65.07.214219.06		216.3	249.0	214.0 - 219.0	8	16	61	29	40	M 12
65.07.216222.06		219.1	251.8	216.5 - 222.0	8	16	61	29	40	M 12
65.07.251257.06	250	254.0	286.7	251.0 - 257.0	8	16	61	29	40	M 12
65.07.262270.06		267.4	300.0	262.0 - 270.0	8	16	61	29	40	M 12
65.07.270277.06		273.1	305.8	270.0 - 277.0	8	16	61	29	40	M 12
65.07.301309.06	300	304.0	338.0	301.5 - 309.0	8	16	61	29	40	M 12
65.07.316323.06		318.5	353.0	316.0 - 323.0	8	16	61	29	40	M 12
65.07.322329.06		323.9	357.9	322.0 - 329.0	8	16	61	29	40	M 12
65.07.352361.06	350	355.6	389.6	352.0 - 361.0	8	16	61	29	40	M 12



INOX REP E

- **Medium:** Compressed air, water (other fluids consult)
- **Temperature:** -30° to 110°C (other temperatures consult)
- **Standard seal:** EPDM

Article Code	DN	Tube outer- ϕ [mm]	D [mm]	Tolerance [mm]	Working pressure [bar]		Length [mm]		Tightening torque (NM)	Bolt
							L	I		
Length 27										
65.08.027034.06	20	27.2	3/4"	34.3	47.9	10	60	7	M 6	43.84
65.08.034042.06	25	34.0	1"	42.3	55.9	10	60	7	M 6	45.20
65.08.042051.06	32	42.7	1 1/4"	51.0	64.4	10	60	15	M 6	49.88
65.08.048057.06	40	48.6	1 1/2"	57.2	70.8	10	60	15	M 6	52.82
65.08.060070.06	50	60.5	2"	70.4	84.0	10	60	20	M 6	58.70





gebobrass
FOR PE

**BRASS COUPLINGS FOR PE HD PIPING
(PE 80/PE 100)**



IMPORTANT INFORMATION

for PE HD pipes (PE80/PE100) conform to DIN 8074 and 8075 SDR 11



APPLICATION FOR DRINKING WATER AND GAS:

- **Media:** drinking water, gas
- **Sealing ring:** NBR
- **Pressure – water (at 20 °C):** PE80: 12,5 bar; PE 100: 16 bar
- **Pressure gas:** PE80: 4 bar; PE 100: 10 bar
- **Thread:** conforms to DIN EN 10226-1
- **Certification:** gas: DVGW Certificate DG-7521AR7029; sealing material approved for drinking water



STRAIGHT COUPLING

Product No.	Product description
3150220	B0 20 x 20
3150225	B0 25 x 25
3150232	B0 32 x 32
3150240	B0 40 x 40
3150250	B0 50 x 50
3150263	B0 63 x 63



CONNECTION WITH MALE THREAD

Product No.	Product description
315002001	BA 20 x 1/2"
315002502	BA 25 x 3/4"
315003203	BA 32 x 1"
315004004	BA 40 x 1 1/4"
315005005	BA 50 x 1 1/2"
315006306	BA 63 x 2"



CONNECTION WITH FEMALE THREAD

Product No.	Product description
315012001	BI 20 x 1/2"
315012502	BI 25 x 3/4"
315013203	BI 32 x 1"
315014004	BI 40 x 1 1/4"
315015005	BI 50 x 1 1/2"
315016306	BI 63 x 2"



ELBOW, BOTH SIDES CLAMPING

Product No.	Product description
3150820	BWO 20 x 20
3150825	BWO 25 x 25
3150832	BWO 32 x 32
3150840	BWO 40 x 40
3150850	BWO 50 x 50
3150863	BWO 63 x 63



WALL PLATE FITTING

Product No.	Product description
315612001	BWIW 20 x 1/2"
315612502	BWIW 25 x 3/4"
315613203	BWIW 32 x 1"




ELBOW CONNECTOR WITH MALE THREAD

Product No.	Product description
315092001	BWA 20 x 1/2"
315092502	BWA 25 x 3/4"
315093203	BWA 32 x 1"
315094004	BWA 40 x 1 1/4"
315095005	BWA 50 x 1 1/2"
315096306	BWA 63 x 2"


ELBOW CONNECTOR WITH FEMALE THREAD

Product No.	Product description
3151320	BWI 20 x 1/2"
3151325	BWI 25 x 3/4"
3151332	BWI 32 x 1"
3151340	BWI 40 x 1 1/4"
3151350	BWI 50 x 1 1/2"
3151363	BWI 63 x 2"


TEE WITH CLAMPING ON THREE SIDES

Product No.	Product description
3151020	BTO 20 x 20 x 20
3151025	BTO 25 x 25 x 25
3151032	BTO 32 x 32 x 32
3151040	BTO 40 x 40 x 40
3151050	BTO 50 x 50 x 50
3151063	BTO 63 x 63 x 63


T-PIECE OUTLET WITH MALE THREAD

Product No.	Product description
315112001	BTA 20 x 1/2" x 20
315113203	BTA 32 x 1" x 32
315114004	BTA 40 x 1 1/4" x 40
315115005	BTA 50 x 1 1/2" x 50
315116306	BTA 63 x 2" x 63


T-PIECE OUTLET WITH FEMALE THREAD

Product No.	Product description
3150420	BTI 20 x 1/2" x 20
3150425	BTI 25 x 3/4" x 25
3150432	BTI 32 x 1" x 32
3150440	BTI 40 x 1 1/4" x 40
3150450	BTI 50 x 1 1/2" x 50
3150463	BTI 63 x 2" x 63

SPARE PARTS FOR COMPRESSION FITTINGS

Product No.	Compression ring
3198125	Compression ring D.25
3198132	Compression ring D.32
3198140	Compression ring D.40



Product No.	washer
3198225	washer D. 25
3198232	washer D. 32
3198240	washer D. 40



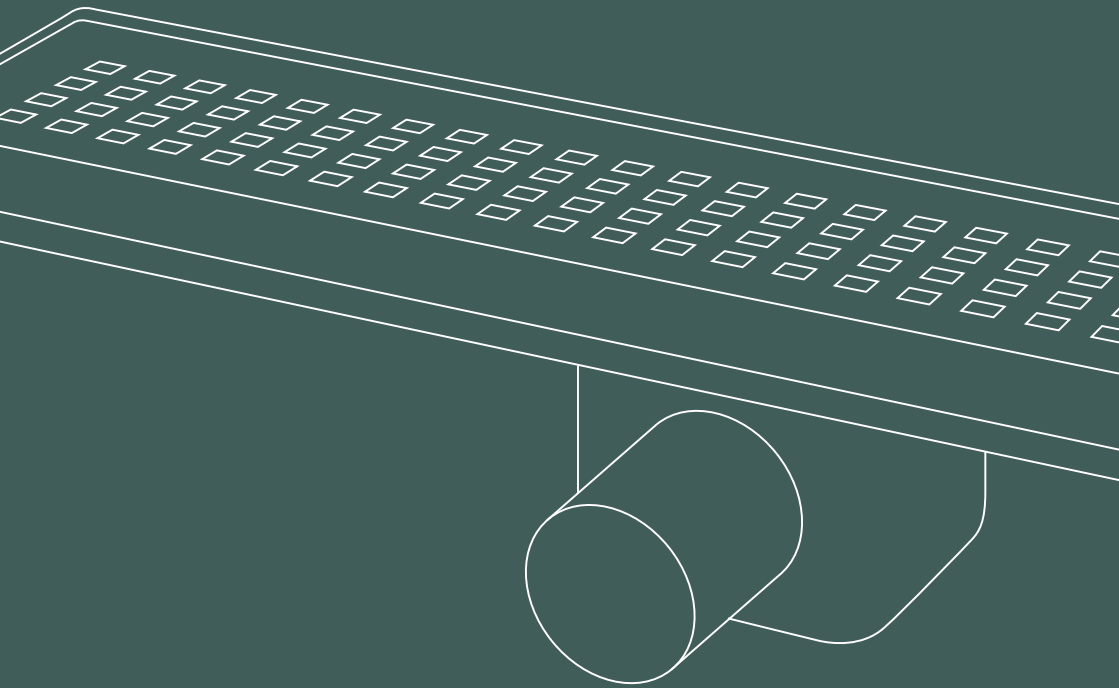
Product No.	NBR O ring
319142535	NBR O ring D.25
319143135	NBR O ring D.32
319144040	NBR O ring D.40



SUPPORT SLEEVE

Product No.	Product description
3167620	BOP 20
3167625	BOP 25
3167632	BOP 32
3167640	BOP 40
3167650	BOP 50
3167663	BOP 63





gebodrain

**GUTTERS AND TRAPS IN STAINLESS STEEL
STAINLESS STEEL OR ABS**



SERIESS SMART	P. 377
STAINLESS STEEL DRAIN	P. 380
STAINLESS STEEL TILE/GRESITE DRAINS	P. 386
DRAINS IN ABS	P. 388
BRASS DRAINS	P. 395
STAINLESS STEEL CHANNELS	P. 396
STAINLESS STEEL CHANNELS FOR TILE/GRESITE	P. 397
PILOTS AND CHANNELS FOR SWIMMING POOLS AND CHANGING ROOMS	P. 402
ALUMINIUM DRAINS	P. 404
COVERS FOR CHESTS	P. 407
INDUSTRIAL DRAINS	P. 409
INDUSTRIAL CHANNELS	P. 416
PILOTS AND CANNINGS FOR LARGE PLANTS AND COMPANIES	P. 422



SWIMMING POOL



SHOWER



RESTAURANT



BODEGAS



CHANGING ROOMS



OUTDOOR USE



LABORATORIES



INDUSTRIAL USE

SAND GRIP

FOR SIPHONS AND CHANNELS

A thin layer of sand, adhering to the surface of the steel of GEBO DRAIN products, allows maximum performance in terms of setting to the screed and simplicity of installation.

The characteristics of the sand, such as porosity and granularity, are the added value of the SandGrip application. In fact, this application reduces the margins of error during installation and increases the life of the product.



SÉRIES SMART – CHANNEL AND SIPHON WITH INTEGRAL SEALING MEMBRANE

Two new innovative series featuring a full waterproofing membrane, height adjustable frame and grating, and SandGrip application (adhesion coating).

DETACHABLE BELL

Convenient and simple to take out, easy maintenance, it allows an inspection immediate by the user.

EVACUATION SLOTS

Drain slits ensure that leaks drain directly onto the base, while the pre-assembled membrane prevents deep infiltration and limits damage.



SERIE smart

SANDGRIP (PRE-SANDED)

The sand-covered body provides greater grip on the ground and reduces the risk of separation.

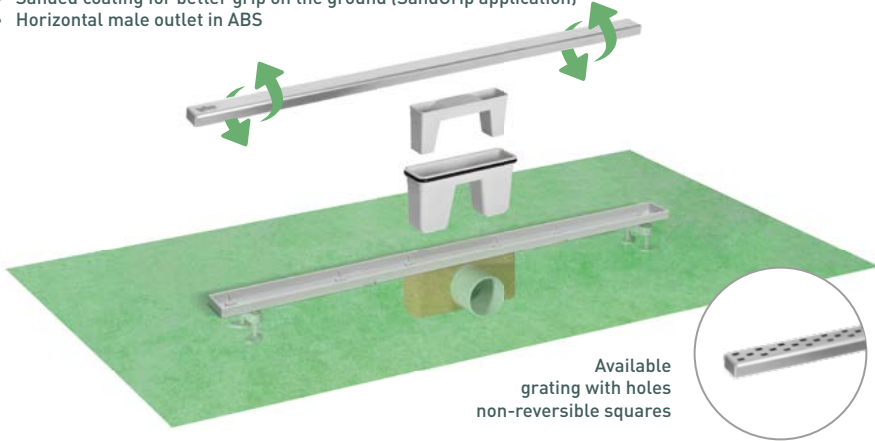
ADJUSTABLE FEET

Adjusts the angle of inclination and leveling of the channel in case slope of the paving surface.

SMART LINE - CHANNEL WITH ADJUSTABLE FEET



- Pre-assembled waterproof membrane
- Height adjustable feet for easy installation
- 304 stainless steel grating, available in full reversible grating or non-reversible square hole grating
- Versatile installation with wall or floor support thanks to the folding system on the plate
- Sanded coating for better grip on the ground (SandGrip application)
- Horizontal male outlet in ABS



CHANNEL WITH FULL GRATING (reversible)

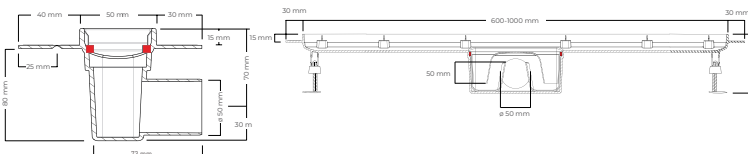
Grating dimensions [mm]	Membrane dimensions [mm]	Code
600 x 50 x 100	1054 x 500	21.684.600
700 x 50 x 100	1154 x 500	21.684.700
800 x 50 x 100	1254 x 500	21.684.800
900 x 50 x 100	1354 x 500	21.684.900
1000 x 50 x 100	1454 x 500	21.684.1000

CHANNEL WITH SQUARE HOLE GRATING (not reversible)

Grating dimensions [mm]	Membrane dimensions [mm]	Code
600 x 50 x 100	1054 x 500	21.684.602
700 x 50 x 100	1154 x 500	21.684.702
800 x 50 x 100	1254 x 500	21.684.802
900 x 50 x 100	1354 x 500	21.684.902
1000 x 50 x 100	1454 x 500	21.684.1002

Extra film

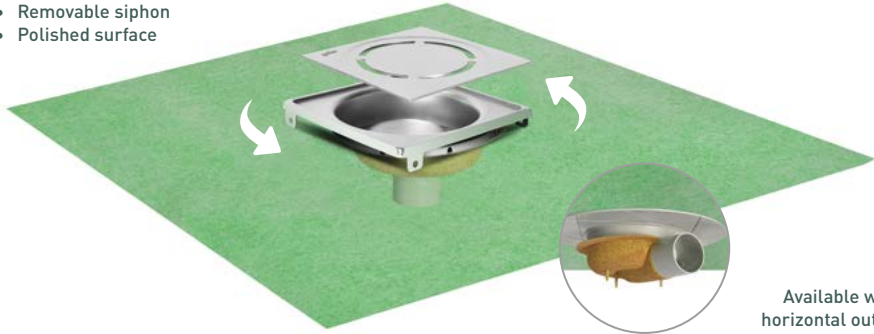
Membrane dimensions [mm]	Code
2000 x 1500	21.111.150



SMART 360° – ROTARY SIPHON

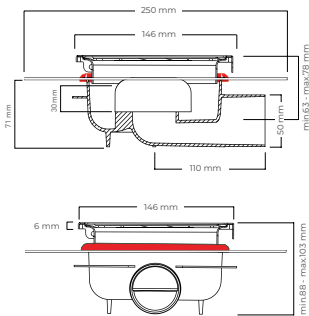


- Pre-assembled waterproofing membrane
- Frame and grating adjustable in height and rotatable 360 °
- Presence of slits for collecting water leaks
- Sanded coating for better grip on the ground (SandGrip application)
- Vertical / horizontal male outlet in ABS
- Structure and grating in stainless steel 304
- Grounding points
- Waste evacuated
- Removable siphon
- Polished surface

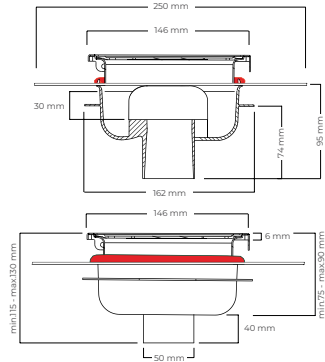


Available with horizontal outlet

Réf. 21.1807



Réf. 21.1907



SIPHON SMART 360°

Description	Dimensions [mm]	Code
Horizontal Exit		
Smart 360° drain	500 x 500	21.1807
Drain extra film kit	500 x 500+ 2000 x 1500 extra	21.1807 KIT
Vertical Exit		
Smart 360° drain	500 x 500	21.1907
Drain extra film kit	500 x 500+ 2000 x 1500 extra	21.1907 KIT
Waterproofing film	2000 x 1500	21.111.150

STAINLESS STEEL DRAIN WITH ABS SIPHON CAN



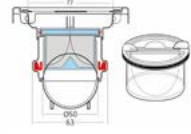
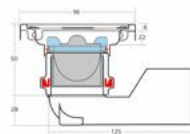
- AISI 304 stainless steel floor drains
- Grating and edge polished
- Shape memory membrane system: odour check valve function
- Vertical outlet in 50 mm, EPDM sealing gasket
- 360° rotatable ABS elbow allowing horizontal exit in 50 mm
- Special feature: no more water traps
- Flow rate: 30 l/min
- Thickness of stainless steel grating: 2.0 mm
- Body thickness: 1.25 mm

HORIZONTAL OR VERTICAL OUTLET

Mesures l x l x h [mm]	Evacuation	Code
96 x 96	Ø 50 mm	21.12710
96 x 96	Ø 50 mm	21.12810
96 x 96	Ø 50 mm	21.12910
146 x 146	Ø 50 mm	21.12715
146 x 146	Ø 50 mm	21.12815
146 x 146	Ø 50 mm	21.12915

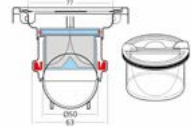
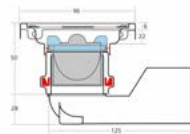
21.12710

- Size: 96 x 96 x 50 mm
- Weight: 400 g
- Load capacity: 300 kg



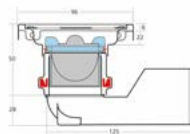
21.12810

- Size: 96 x 96 x 50 mm
- Weight: 400 g
- Load capacity: 300 kg



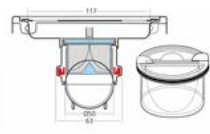
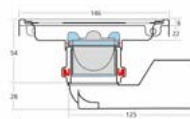
21.12910

- Size: 96 x 96 x 50 mm
- Weight: 400 g
- Load capacity: 300 kg



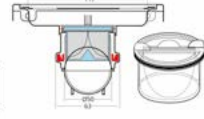
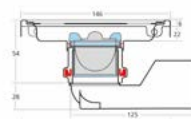
21.12715

- Size: 146 x 146 x 54 mm
- Weight: 500 g
- Load capacity: 400 kg

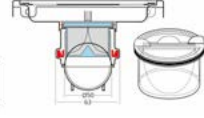
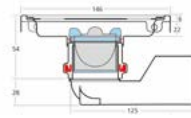


21.12815

- Size: 146 x 146 x 54 mm
- Weight: 500 g
- Load capacity: 400 kg

**21.12915**

- Size: 146 x 146 x 54 mm
- Weight: 500 g
- Load capacity: 400 kg

**STAINLESS STEEL DRAINS WITH STAINLESS STEEL BELL****SAND GRIP**

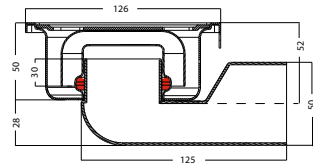
- Height-adjustable with off-centre discharge
- AISI 304 stainless steel floor drains
- Grating and edge polished
- Vertical outlet in 50 mm, EPDM sealing gasket
- 360° rotatable ABS elbow allowing horizontal exit in 50 mm
- Special feature: no more water traps
- Flow rate: 30 l/min
- Thickness of stainless steel grating: 2.0 mm
- Body thickness: 1.25 mm

HORIZONTAL OR VERTICAL OUTLET

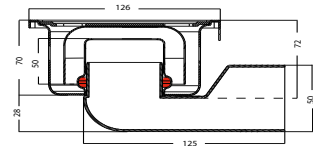
Mesures l x l x h [mm]	Code
126 x 126 x 50	21.126.050
126 x 126 x 70	21.126.055
146 x 146 x 78	21.128.050

21.126.050

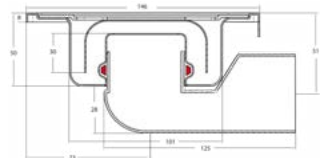
- Size: 126 x 126 x 50 mm
- Weight: 570 g
- Load capacity: 300 kg

**21.126.055**

- Size: 126 x 126 x 70 mm
- Weight: 700 g
- Load capacity: 300 kg

**21.128.050**

- Size: 146 x 146 x 78 mm
- Weight: 570 g
- Load capacity: 300 kg



STAINLESS STEEL DRAINS ADJUSTABLE AND ROTATABE



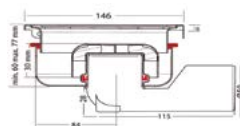
- AISI 304 stainless steel sink with SandGrip application for showers and sports facilities
- Grating and polished edge
- Removable siphon 30 mm in stainless steel 304
- Grating and frame adjustable in height and rotatable 360
- Vertical outlet 50 mm with insertion stop and EPDM seal
- ABS rotatable elbow for horizontal outlet 50 mm
- Drainage capacity: 30l/min
- Thickness of the stainless steel grating: 2.0 mm
- Body thickness: 1.25 mm

HORIZONTAL OR VERTICAL OUTLET

Mesures l x l x h [mm]	Code
146 x 146 x 60/77	21.22715
146 x 146 x 60/77	21.22815
146 x 146 x 60/77	21.22915
196 x 196 x 60/77	21.22920V

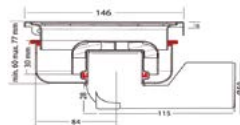
21.22715

- Size: 146 x 146 x 60/77 mm
- Weight: 850 g
- Load capacity: 300 kg



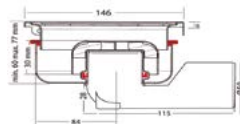
21.22815

- Size: 146 x 146 x 60/77 mm
- Weight: 850 g
- Load capacity: 300 kg



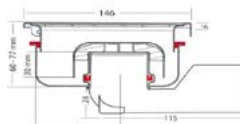
21.22915

- Size: 146 x 146 x 60/77 mm
- Weight: 850 g
- Load capacity: 300 kg



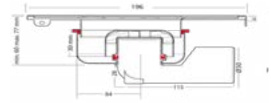
21.22915.M8

- Stainless steel black (matte black)
- Size: 146 x 146 x 60/77 mm
- Weight: 950 g
- Load capacity: 300 kg



21.22920V

- Size: 196 x 196 x 60/77 mm
- Weight: 1260 g
- Load capacity: 300 kg
- With screwed-in grating



STAINLESS STEEL DRAINS WITH REMOVABLE SIPHON BOTTLE



21.413

Stainless steel drain and SandGrip application. The grating has a square design with 8 mm holes and a total size of 105 x 105 mm. The surface has a satin finish and is available in two different heights.

- Structure and grating in stainless steel AISI 304
- Removable, easy-to-clean plastic siphon
- Built-in slope for easy sliding from water to siphon
- Drainage capacity 20 l/min
- Horizontal male outlet with diameter \varnothing 40 mm
- Weight 400 - 500 g
- Maximum load capacity 250 kg
- Possibility of adding special connection sleeve with rubber seal



21.413HM



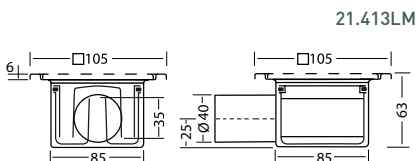
21.413LM

HORIZONTAL OR VERTICAL OUTLET

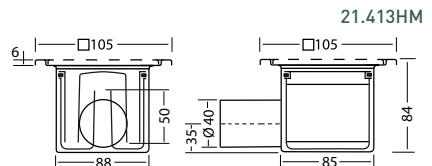
Mesures l x l x h [mm]	Code
105 x 105 x 84	21.413HM
105 x 105 x 63	21.413LM
Connecting sleeve with EPDM seal	21.111.664.40



21.111.664.40



21.413LM



21.413HM

STAINLESS STEEL DRAINS WITH REMOVABLE SIPHON BOTTLE



21.419HM



21.419

Stainless steel drain and SandGrip application. The grating has a square design with 8 mm holes and a total size of 150 x 150 mm. The surface has a satin finish and is available in two different heights.

21.419LM



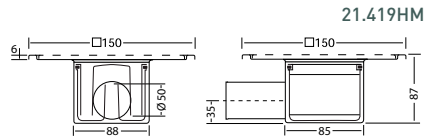
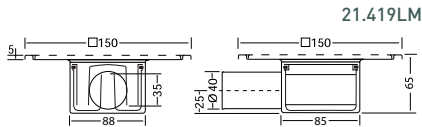
- Structure and grating in AISI 304 stainless steel.
- Removable, easy-to-clean plastic siphon
- Built-in slope for easy sliding
- from water to siphon
- Drainage capacity 20 l/min
- Horizontal male outlet with diameter Ø 40 mm (21.419LM) and Ø 50 mm (21.419HM)
- Weight 600 - 700 g
- Maximum load capacity 250 kg
- Possibility of adding special connection sleeve with rubber seal

21.111.664.40



HORIZONTAL OR VERTICAL OUTLET

Mesures l x l x h [mm]	Code
150 x 150 x 87	21.419HM
150 x 150 x 65	21.419LM
Connecting sleeve with EPDM seal	21.111.664.40



**STAINLESS STEEL DRAINS WITH STAINLESS STEEL GRATINGS
AND VERTICAL OUTLET**

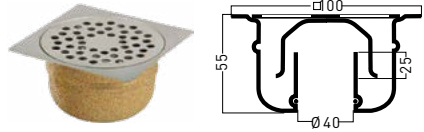

AISI 304 stainless steel drain with SandGrip application, with vertical outlet and EPDM rubber seal, for indoor showers

VERTICAL OUTLET

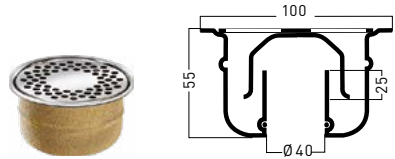
Mesures L x l x h [mm]	Code
100 x 100 x 55	21.412
100 x 55	21.412R
150 x 150 x 76	21.414
150 x 76	21.414R
150 x 150 x 76	21.415V

21.412

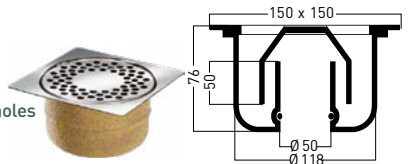
- Size and weight: 100 x 100 x 55 mm, 300 g
- Stainless steel watertrap, 25 mm
- Drainage capacity: 18 l/min
- Body thickness: 0.8 mm
- Thickness of the stainless steel grating: 1.0 mm
- For PE pipes with an external diameter of 40 mm
- Load capacity: 200 kg


21.412R, Round model

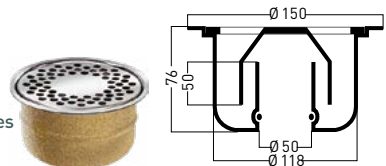
- Size and weight: 100 x 55 mm, 250 g
- Stainless steel watertrap, 25 mm
- Drainage capacity: 18 l/min
- Body thickness: 0.8 mm
- Thickness of the stainless steel grating: 1.0 mm
- For PE pipes with an external diameter of 40 mm
- Load capacity: 200 kg


21.414

- Size and weight: 150 x 150 x 76 mm, 800 g
- Stainless steel watertrap, 50 mm
- Drainage capacity: 20 l/min
- Body thickness: 1.0 mm
- Thickness of the stainless steel grating: 1.5 mm and 8 mm holes
- For PE pipes with an external diameter of 50 mm
- Load capacity: 350 kg

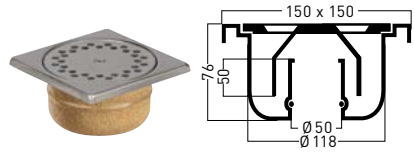

21.414R, Round model

- Size and weight: 150 x 76 mm, 700 g
- Stainless steel watertrap, 50 mm
- Drainage capacity: 20 l/min
- Body thickness: 1.0 mm
- Thickness of the stainless steel grating: 1.5 mm and 8 mm holes
- For PE pipes with an external diameter of 50 mm
- Load capacity: 350 kg



21.415V

- AISI 316 stainless steel drain
- Dimensions and weight: 150 x 150 x 76 mm, 1200 g
- Stainless steel watertrap, 50 mm
- Central anti-vandalism screwed-in grating and extra thick grating
- Drainage capacity: 20l/min
- Body thickness: 1.0 mm
- Grating thickness 5.0 mm and holes 8 mm
- Load capacity: 750 kg



STAINLESS STEEL TILE/GRESITE DRAINS

- All the drains are made of AISI 304 stainless steel with SandGrip application for better adhesion to the cement
- All stainless steel bodies are manufactured by a deep-drawing process
- The welding of the different components is done by TIG welding
- All parts are treated with sand after the welding process and therefore have a homogeneous surface
- The rubbers used are made of EPDM
- The maximum temperature they can withstand is 90°C
- Plastic (polypropylene) siphon can

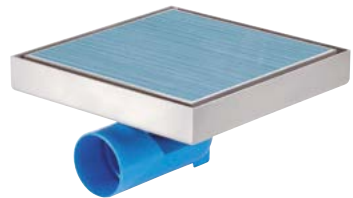


SERIES 21.820



A new generation of tileable drains, equipped with a horizontal outlet, which allows to obtain a smooth and homogeneous surface, eliminating any element of visual disturbance of the bath or pool area. This drainage model is supplied in 6 different types of grating sizes.

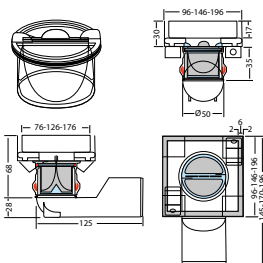
- AISI 304 stainless steel drain
- Tile compartment easily
- detachable (with key)
- Hidden drainage
- Plastic siphon can with membrane system
- Vertical outlet 50mm with insertion stop
- and EPDM seal
- ABS rotatable elbow for horizontal outlet 50mm
- Drainage capacity: 35l/min
- Easy to clean



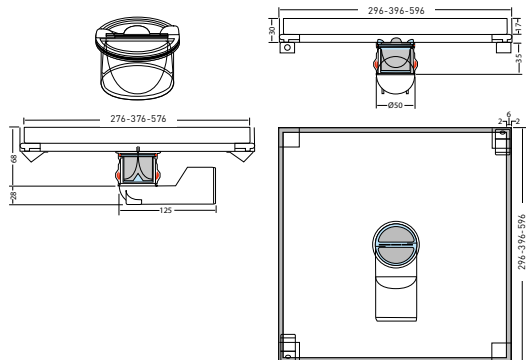
TILEABLE DRAINS

Mesures l x l x h [mm]	Code
96 x 96 x 63	21.820.096
146 x 146 x 63	21.820.146
196 x 196 x 63	21.820.196
296 x 296 x 63	21.820.296
396 x 396 x 63	21.820.396
596 x 596 x 63	21.820.596

21.820.096 - 21.820.146 - 21.820.196

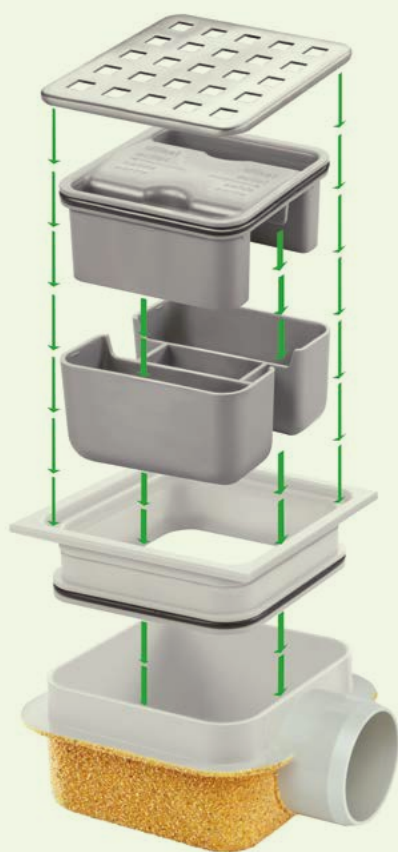


21.820.296 - 21.820.496 - 21.820.596



DRAINS IN ABS

- ABS (Acrylnitril-Butadien-Syrol) drains
- SandGrip application for better adhesion to cement
- EPDM rubber seal
- Temperature resistance up to 60 °C
- High surface hardness
- Shock and scratch resistant



FLOOR DRAINS IN ABS WITH REMOVABLE SIPHON BOTTLE



Available with a SandGrip application for a shower with a stainless steel grating of 105 x 105 mm. The articles are offered in two different heights and with two types of outlet: vertical or horizontal.

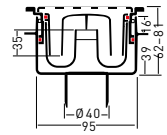
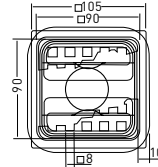
- ABS body and SandGrip application
- brushed stainless steel grating with 8 mm holes
- grating and frame in height adjustable
- With settlement fin
- Drainage capacity: 20 l / min
- Thickness of the stainless steel grating: 1.21 mm
- Body thickness: 2.4 mm
- Adjustable top thickness: 3.7 mm
- Load capacity: 125 kg

WITH VERTICAL OUTPUT

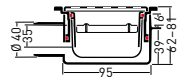
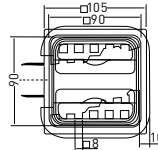
Mesures l x l x h [mm]	Code
105 x 105 x (62 - 81)	21.612
105 x 105 x (80 - 99)	21.614

WITH HORIZONTAL OUTPUT

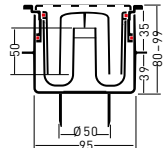
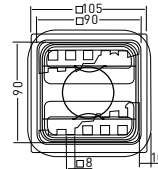
Mesures l x l x h [mm]	Code
105 x 105 x (62 - 81)	21.613
105 x 105 x (80 - 99)	21.617

21.612, Low body, vertical outlet

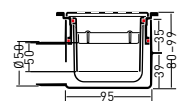
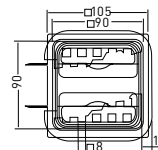
- Size: 105 x 105 x 62-81 mm
- Removable watertrap 35 mm
- Gluable vertical outlet \varnothing 40 mm
- Weight 300 g

21.613, Low body, horizontal outlet

- Size: 105 x 105 x 62-81 mm
- Removable watertrap 35 mm
- Gluable vertical outlet \varnothing 40 mm
- Weight 300 g

21.614, High body, vertical outlet

- Size: 105 x 105 x 80-99 mm
- Removable watertrap 50 mm
- Gluable vertical outlet \varnothing 50 mm
- Weight 350 g

21.615, High body, horizontal outlet

- Size: 105 x 105 x 80-99 mm
- Removable watertrap 50 mm
- Gluable vertical outlet \varnothing 50 mm
- Weight 350 g

FLOOR DRAINS IN ABS WITH REMOVABLE SIPHON BOTTLE



Available with a SandGrip application for a shower with a stainless steel grating of 105 x 105 mm. The articles are offered in two different heights and with two types of outlet: vertical or horizontal.

- ABS body and SandGrip application
- brushed stainless steel grating with 8 mm holes
- grating and frame in height adjustable
- With settlement fin
- Drainage capacity: 20 l / min
- Thickness of the stainless steel grating: 1.21 mm
- Body thickness: 2.4 mm
- Adjustable top thickness: 3.7 mm
- Load capacity: 125 kg

WITH VERTICAL OUTPUT

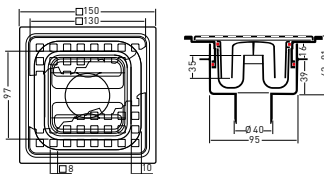
Mesures l x l x h [mm]	Code
150 x 150 x (62 - 81)	21.616
150 x 150 x (80 - 99)	21.618

WITH HORIZONTAL OUTPUT

Mesures l x l x h [mm]	Code
150 x 150 x (62 - 81)	21.617
150 x 150 x (80 - 99)	21.619

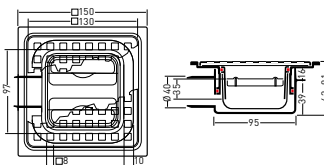
21.616, Low body, vertical outlet

- Size: 150 x 150 x 62-81 mm
- Removable watertrap 35 mm
- Gluable vertical outlet \varnothing 40 mm
- Weight 400 g



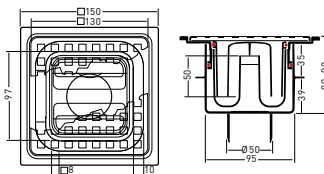
21.617, Low body, horizontal outlet

- Size: 150 x 150 x 62-81 mm
- Removable watertrap 35 mm
- Gluable vertical outlet \varnothing 40 mm
- Weight 400 g



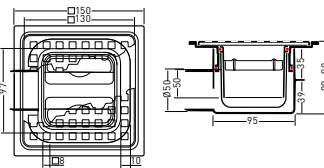
21.618, Low body, vertical outlet

- Size: 150 x 150 x 80-99 mm
- Removable watertrap 50 mm
- Gluable vertical outlet \varnothing 50 mm
- Weight 500 g



21.619, Low body, horizontal outlet

- Size: 150 x 150 x 80-99 mm
- Removable watertrap 50 mm
- Gluable vertical outlet \varnothing 50 mm
- Weight 500 g



FLOOR DRAINS IN ABS FOR OUTDOOR



Available with SandGrip application for exteriors with stainless steel grating 200 x 200 mm

WITH VERTICAL OUTPUT

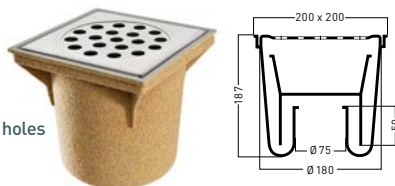
Mesures l x l x h [mm]	Code
200 x 200 x 187	21.402
200 x 200 x 187	21.5316
200 x 200 x 205	21.15316
200 x 200 x 205	21.15316V

WITH HORIZONTAL OUTPUT

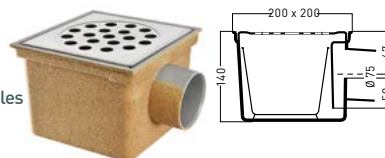
Mesures l x l x h [mm]	Code
200 x 200 x 140	21.403
200 x 200 x 140	21.536
200 x 200 x 158	21.1536
200 x 200 x 158	21.1536V

21.402, Vertical outlet

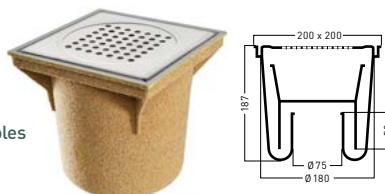
- Size: 200 x 200 x 187 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.0 mm with 18 mm holes
- Body thickness: 4.0 mm
- Load capacity: 250 kg
- Weight: 1400 g

**21.403**, Horizontal outlet

- Size: 200 x 200 x 140 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.0 mm with 18 mm holes
- Body thickness: 4.0 mm
- Load capacity: 250 kg
- Weight: 1300 g

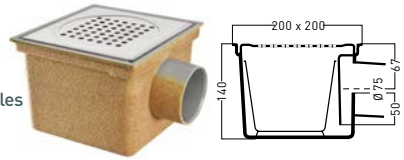
**21.5316**, Vertical outlet

- Size: 200 x 200 x 187 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.5 mm with 8 mm holes
- Body thickness: 4.0 mm
- Load capacity: 500 kg
- Weight: 1500 g



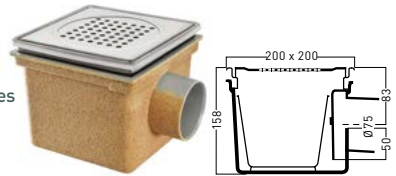
21.1536, Horizontal outlet

- Size: 200 x 200 x 140 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.5 mm with 8 mm holes
- Body thickness: 4.0 mm
- Load capacity: 500 kg
- Weight: 1400 g



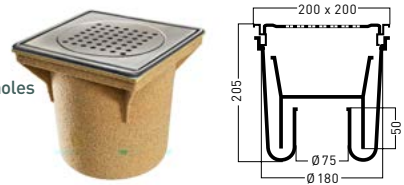
21.1536, Horizontal outlet

- Size: 200 x 200 x 158 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.0 mm with 8 mm holes
- Body thickness: 4.0 mm
- Load capacity: 250 kg
- Weight: 2300 g
- With screwed-in grating: 21.1536V



21.15316, Vertical outlet

- Size: 200 x 200 x 205 mm
- Removable PP plastic dirt bucket
- Syphon can 50 mm
- Vertical outlet for PVC pipes 75 mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2.5 mm with 8 mm holes
- Body thickness: 3.0 mm
- Load capacity: 250 kg
- Weight: 2300 g
- With screwed-in grating: 21.1536V



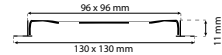
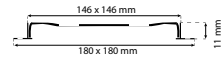
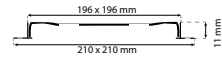
GRATINGS WITH FRAME AND SUPPORT EDGE FOR RENOVATION OF EXISTING FLOORS

21.324

Gratings and frames in AISI 304 stainless steel for renovations, have been specially designed for bathroom floors that need to be changed without tiles having to demolish the old floor. The gratings, thanks to the comfortable frame with the supporting edge and 2 mm thickness, can be positioned over the existing drain, without having to tow the floor. The tiles are then laid.


GRATINGS AND FRAMES

Mesures l x l x h [mm]	Code
96 x 96 x 11	21.324.096
146 x 146 x 11	21.324.146
196 x 196 x 11	21.324.196

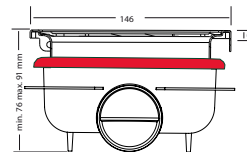
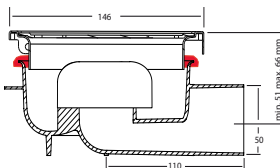
21.324.096

21.324.146

21.324.196

ABS DRAIN 360° ROTATABLE

21.1805

- Grating and frame in 304 stainless steel, body in ABS and SandGrip application
- 360° rotatable and height adjustable
- Polished surface
- Removable, easy-to-clean siphon hood
- ABS bowl
- Drainage capacity: 30 l / min
- Only 76mm high
- With settlement fin
- Horizontal outlet for gluing 50 mm PVC pipe
- Thickness of the stainless steel grating: 2 mm
- Body thickness: 1.5 mm
- 146x146 mm
- Weight: 270 g


ABS DRAIN 360° ROTABLE

Mesures l x l x h [mm]	Code
146 x 146	21.1805



ABS DRAIN WITH ABS SIPHON CAN WITH MEMBRANE SYSTEM



- ABS body
- Polished 304 stainless steel grating
- With settlement fin
- Vertical outlet 50mm, ABS plastic rotatable elbow
- Plastic siphon can with membrane system
- Horizontal outlet 50mm
- Drainage capacity: 30 l / min
- Thickness of the stainless steel grating: 2 mm
- Body thickness: 3 mm

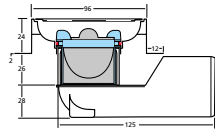
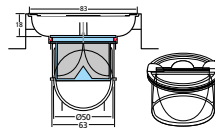


ABS DRAIN WITH ABS SIPHON

Mesures [mm]	Code
96 x 96	21.2210
146 x 146	21.2215

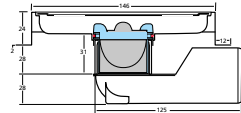
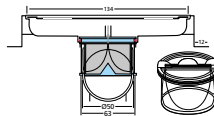
21.2210

- Size: 96 x 96 mm
- Weight: 270 g

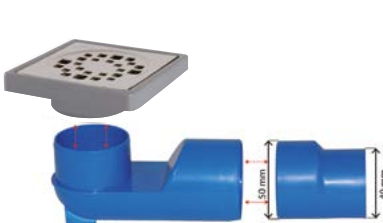


21.2215

- Size: 96 x 96 mm
- Weight: 270 g



Less height, less smell, more flow:



BRASS DRAINS

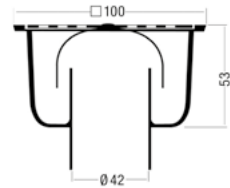
- All drains are made of brass
- SandGrip application for better adhesion to cement
- The brass bodies are manufactured partly by deep-drawing process, partly by casting process
- The parts manufactured by deep-drawing process are welded with stainless steel components (outlet and closure)
- The parts manufactured by the casting process have a lower outlet into which a plastic tube can be inserted
- The brass grating screw is for holding the stainless steel or plastic siphon cup
- The rubbers used are made of EPDM
- The maximum temperature they can withstand is 90°C

BRASS DRAINS

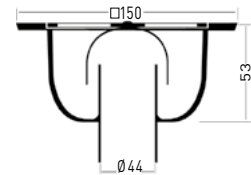
Mesures l x l x h [mm]	Code
100 x 100 x 53	21.810
150 x 150 x 53	21.815
200 x 200 x 83	21.819

21.810, Vertical outlet

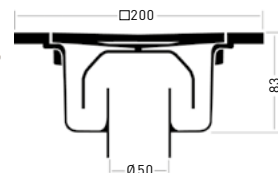
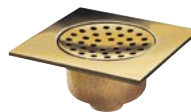
- Brass drain with SandGrip application
- Polished brass grating 100 x 100 x 75 mm
- Stainless steel lock
- Vertical outlet for PE pipes 42 mm
- Drainage capacity: 20 l/min
- Thickness of the brass grating: 2,0 mm
- Body thickness: 1,9 mm
- Load capacity: 200 kg
- Weight: 575 g

**21.815**, Vertical outlet

- Brass drain with SandGrip application
- Polished brass grating 150 x 150 x 55 mm
- Stainless steel lock
- Vertical outlet for PE pipes 44 mm
- Drainage capacity: 18 l/min
- Thickness of the brass grating: 1.4 mm
- Body thickness: 1.5 mm
- Load capacity: 200 kg
- Weight: 775 g

**21.819**, Vertical outlet

- Brass drain with SandGrip application
- Polished brass grating 200 x 200 x 83 mm
- Stainless steel lock
- Vertical outlet for PE pipes 50 mm
- Drainage capacity: 18 l/min
- Thickness of the brass grating: 2.0 mm
- Body thickness: 1.8 mm
- Load capacity: 200 kg
- Weight: 1760 g



BRASS DRAINS, HORIZONTAL OUTLET

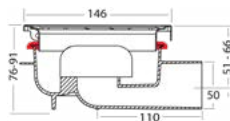
- Dimensions : 146 x 146 x 75 mm
- SandGrip application for better adhesion to cement
- Available colors: Gold, rose gold, matte black, and steel
- 50 mm horizontal outlet
- Materials: AISI 304 stainless steel / ABS plastic
- Grid dimensions: 131 x 131 x 2.0 mm
- Water collector: AISI 304 stainless steel
- Weight: 690 g
- Flow capacity: 0.5 l/sec

BRASS DRAINS

Mesures l x l x h [mm]	Code
146 x 146 x 76	21.1850
146 x 146 x 76	21.1860
146 x 146 x 76	21.1870
146 x 146 x 76	21.1815

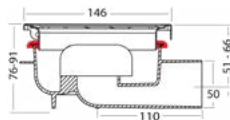
21.1850, Horizontal outlet

- Polished brass grating 146 x 146 x 76 mm
- Stainless steel lock
- Horizontal outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



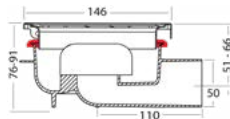
21.1860, Horizontal outlet

- Polished brass grating 146 x 146 x 76 mm
- Stainless steel lock
- Horizontal outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



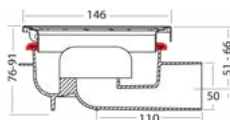
21.1870, Horizontal outlet

- Polished brass grating 146 x 146 x 76 mm
- Stainless steel lock
- Horizontal outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



21.1815, Horizontal outlet

- Polished brass grating 146 x 146 x 76 mm
- Stainless steel lock
- Horizontal outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



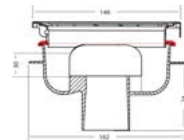
BRASS DRAINS, VERTICAL OUTLET

BRASS DRAINS

Mesures l x l x h [mm]	Code
146 x 146 x 103	21.1950
146 x 146 x 103	21.1960
146 x 146 x 103	21.1970
146 x 146 x 103	21.1915

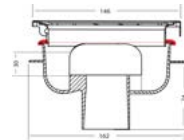
21.1950, Vertical outlet

- Polished brass grating 146 x 146 x 103 mm
- Stainless steel lock
- Vertical outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



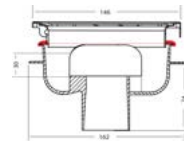
21.1960, Vertical outlet

- Polished brass grating 146 x 146 x 103 mm
- Stainless steel lock
- Vertical outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



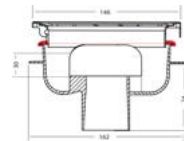
21.1970, Vertical outlet

- Polished brass grating 146 x 146 x 103 mm
- Stainless steel lock
- Vertical outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



21.1915, Vertical outlet

- Polished brass grating 146 x 146 x 103 mm
- Stainless steel lock
- Vertical outlet for PE pipes 50 mm
- Load capacity: 300 kg
- Weight: 690 g



STAINLESS STEEL CHANNELS

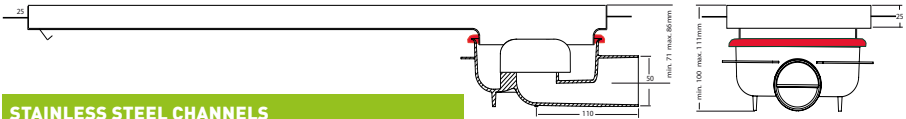
- All channels are made of stainless steel AISI 304 with SandGrip application
- All stainless steel bodies are manufactured by a deep-drawing process
- The welding of the different components is done by TIG welding
- All parts are treated with sand after the welding process and therefore have a homogeneous surface
- EPDM lip seal
- The maximum temperature they can withstand is 90°C
- The siphon cans are made of plastic (polypropylene), removable and easy to clean
- Sand coating for better adhesion to cement



STAINLESS STEEL CHANNELS WITH ABS DRAIN



- Channel and grating 360° rotatable and height adjustable
- AISI 304 stainless steel
- With settlement fin
- ABS drain with removable stainless steel siphon
- Width: 140 mm
- Height: 100-111 mm
- Length 700-800-900 mm
- Drainage capacity: 30 l/min



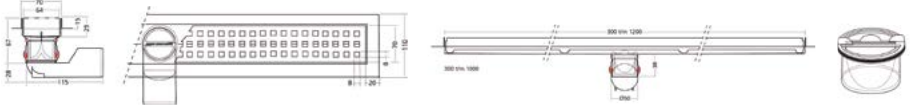
STAINLESS STEEL CHANNELS

Mesures l x l x h [mm]	Code
700 x 140 x 100/111	21.109.700
800 x 140 x 100/111	21.109.900
900 x 140 x 100/111	21.109.900

STAINLESS STEEL CHANNELS 70 MM WITH MEMBRANE SIPHON



- AISI 304 stainless steel chute
- Width: 70 mm
- Plastic siphon can with membrane system
- Vertical outlet 50mm with insertion stop and EPDM seal
- ABS rotatable elbow for horizontal outlet 50 mm
- Drainage capacity: 40 l/min
- Length from 300 to 1000 mm
- Height 67 mm (without elbow) / 95 mm (with elbow)



21.623, Opaque Grating



OPAQUE GRATING

Mesures l x l x h [mm]	Code
500 x 70 x 67/95	21.623.503
600 x 70 x 67/95	21.623.603
700 x 70 x 67/95	21.623.703
800 x 70 x 67/95	21.623.803
900 x 70 x 67/95	21.623.903
1000 x 70 x 67/95	21.623.1003
1100 x 70 x 67/95	21.623.1103
1200 x 70 x 67/95	21.623.1203

21.623, Square Grating



SQUARE GRATING

Mesures l x l x h [mm]	Code
300 x 70 x 67/95	21.623.300
400 x 70 x 67/95	21.623.400
400 x 70 x 67/95	21.623.500
600 x 70 x 67/95	21.623.600
700 x 70 x 67/95	21.623.700
800 x 70 x 67/95	21.623.800
900 x 70 x 67/95	21.623.900
1000 x 70 x 67/95	21.623.1000
1100 x 70 x 67/95	21.623.1100
1200 x 70 x 67/95	21.623.1200

21.623, Hole Grating



OPAQUE GRATING

Mesures l x l x h [mm]	Code
600 x 70 x 67/95	21.623.606
700 x 70 x 67/95	21.623.706
800 x 70 x 67/95	21.623.806
900 x 70 x 67/95	21.623.906
1000 x 70 x 67/95	21.623.1006
1100 x 70 x 67/95	21.623.1106
1200 x 70 x 67/95	21.623.1206

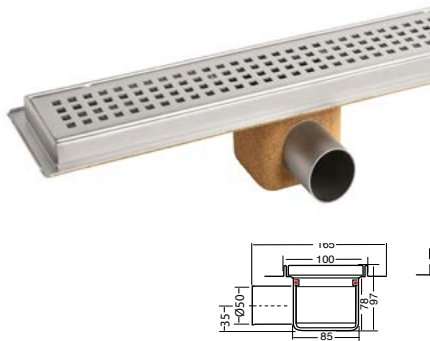
CANALES EN MAPLE INOXIDABLE 100 MM WITH EXTRAIBLE SIPHONIC BOTE



- 304 stainless steel chute
- Width: 100 mm
- Removable plastic siphon can (50 mm)
- Drainage capacity: 35 l/min
- Drainage groove prevents soap residues from accumulating on the grate
- With settlement fin
- With slope to the siphon pot
- Grating in one piece
- Lateral screw with grounding
- For 50 mm tubes
- Grating with 8 mm square holes

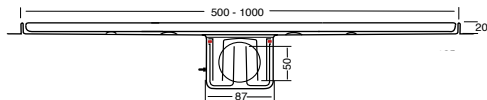


SERIES 22.CL, Horizontal outlet

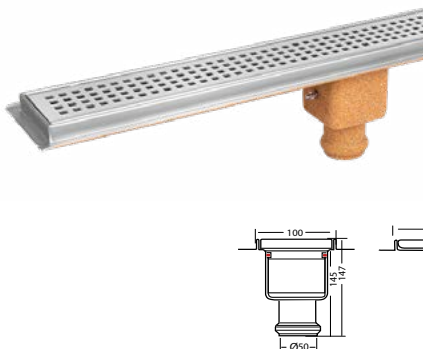


HORIZONTAL OUTLET

Mesures l x l x h [mm]	Code
500* x 100 x 92	22.CL500
600* x 100 x 92	22.CL600
700* x 100 x 92	22.CL700
800* x 100 x 92	22.CL800
900* x 100 x 92	22.CL900
1000* x 100 x 92	22.CL1000
1100* x 100 x 92	22.CL1100
1200* x 100 x 92	22.CL1200

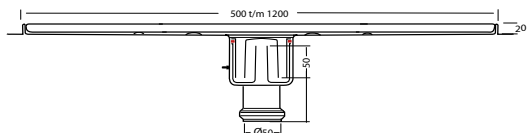


SERIES 22.CV, Vertical outlet



VERTICAL OUTLET

Mesures l x l x h [mm]	Code
500* x 100 x 165	22.CV500
600* x 100 x 165	22.CV600
700* x 100 x 165	22.CV700
800* x 100 x 165	22.CV800
900* x 100 x 165	22.CV900
1000* x 100 x 165	22.CV1000
1100* x 100 x 165	22.CV1100
1200* x 100 x 165	22.CV1200



**STAINLESS STEEL CHANNELS 100 MM
CHANNEL WITH DIFFERENT GRATING DESIGNS**


- 304 stainless steel channel
- Width: 100 mm
- Removable plastic siphon can (50 mm)
- Drainage capacity: 35 l/min
- With slope to the siphon pot
- Grating in one piece
- For 50 mm tubes
- Grating with 8 mm square holes

SERIES 22.CL-22CV with wave rack

VERTICAL OUTLET		HORIZONTAL OUTLET	
Mesures [mm]	Code	Mesures [mm]	Code
600	22.CV600.02	600	22.CL600.02
700	22.CV700.02	700	22.CL700.02
800	22.CV800.02	800	22.CL800.02
900	22.CV900.02	900	22.CL900.02
1000	22.CV1000.02	1000	22.CL1000.02


SERIES 22.CL with opaque grating

VERTICAL OUTLET		HORIZONTAL OUTLET	
Mesures [mm]	Code	Mesures [mm]	Code
600	22.CV600.03	600	22.CL600.03
700	22.CV700.03	700	22.CL700.03
800	22.CV800.03	800	22.CL800.03
900	22.CV900.03	900	22.CL900.03
1000	22.CV1000.03	1000	22.CL1000.03


SERIES 22.CL with hole pattern

VERTICAL OUTLET		HORIZONTAL OUTLET	
Mesures [mm]	Code	Mesures [mm]	Code
600	21.625.606	600	21.624.606
700	21.625.706	700	21.624.706
800	21.625.706	800	21.624.706
900	21.625.906	900	21.624.906
1000	21.625.1006	1000	21.624.1006
1100	21.625.1106	1100	21.624.1106
1200	21.625.1206	1200	21.624.1206

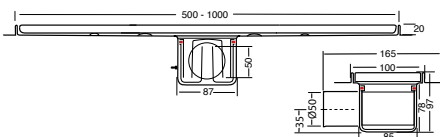


SERIE 22.CLM



The stainless steel channels for showers, changing rooms and swimming pools, ensure maximum performance and safety thanks to the internal gradient, which allows a smooth drainage of water. While the SandGrip application allows a solid and durable screed grip. The channels are available in three grating versions according to the needs and tastes of the end user. Finally, to meet our customers' expectations, this model is equipped with a male outlet.

- Structure and grating in AISI 304 stainless steel
- SandGrip application for solid and durable installation
- Width of 100 mm
- Easy-to-clean removable plastic trap
- Built-in slope to facilitate sliding siphon water drainage
- Drainage capacity of 35 l/min.
- Gutter to facilitate the elimination of soap residue
- Tile flange (20 mm) around the grating for easy installation and improved watertightness
- Grating produced in one piece
- Suitable for Ø 50 mm diameter exhaust pipes
- Grating design available in various versions (see options below)



Duct complete with squared grating, male outlet



- In AISI 304 stainless steel
- Siphoned
- Available in sizes from 500 mm to 1000 mm (other measures on request)

Mesures l x l x h [mm]	Code
500 x 100 x 97	22.CL500
600 x 100 x 97	22.CL600
700 x 100 x 97	22.CL700
800 x 100 x 97	22.CL800
900 x 100 x 97	22.CL900
1000 x 100 x 97	22.CL1000

Channel complete with wave grating, male output



- In AISI 304 stainless steel
- Siphoned
- Available in sizes from 600 mm to 1000 mm (other measures on request)

Mesures l x l x h [mm]	Code
600 x 100 x 97	22.CL600.02
700 x 100 x 97	22.CL700.02
800 x 100 x 97	22.CL800.02
900 x 100 x 97	22.CL900.02
1000 x 100 x 97	22.CL1000.02

Duct complete with smooth grating, male outlet



- In AISI 304 stainless steel
- Siphoned
- Available in sizes from 600 mm to 1000 mm (other measures on request)

Mesures l x l x h [mm]	Code
600 x 100 x 97	22.CL600.03
700 x 100 x 97	22.CL700.03
800 x 100 x 97	22.CL800.03
900 x 100 x 97	22.CL900.03
1000 x 100 x 97	22.CL1000.03

SERIE 22.CL (ON REQUEST)



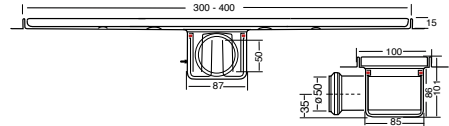
The stainless steel channels with square grating for showers, changing rooms and swimming pools, ensure maximum performance and safety thanks to the internal gradient, which allows a smooth drainage of water. This model is equipped with a female outlet with a wide choice of lengths.

- Structure and grating in AISI 304 stainless steel
- Width of 100 mm
- Easy-to-clean removable plastic trap
- Built-in slope to facilitate sliding siphon water drainage
- Drainage capacity of 35 l/min.
- Gutter to facilitate the elimination of soap residue and improved watertightness
- Grating produced in one piece
- Suitable for \varnothing 50 mm diameter exhaust pipes

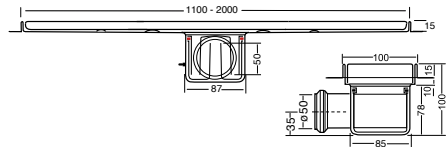


Mesures l x l x h [mm]	Code
300 x 100 x 101	22.CL300
400 x 100 x 101	22.CL400
1100 x 100 x 100	22.CL1100
1200 x 100 x 100	22.CL1200
1300 x 100 x 100	22.CL1300
1400 x 100 x 100	22.CL1400
1500 x 100 x 100	22.CL1500
1600 x 100 x 100	22.CL1600
1700 x 100 x 100	22.CL1700
1800 x 100 x 100	22.CL1800
1900 x 100 x 100	22.CL1900
2000 x 100 x 100	22.CL2000

Code 22.CL300 - 22.CL400



Code 21.CL1100 - 21.CL2000



„ENHANCE YOUR BATHROOM“

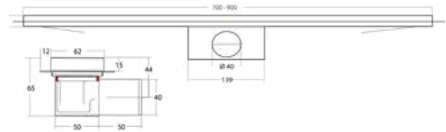


R-LINE



R-Line renovated shower drain with side drain in PVD-colored brushed brass. Equipped with a blind grille without holes. This shower drain has a width of 62 mm and is available in five different lengths. Available in gold, polished black, and rose gold finishes.

- Materials: AISI 304 stainless steel
- Available lengths: 700 - 800 - 900 mm
- With anchors for connection to concrete and ground
- With an opaque grid design
- Equipped with a horizontal outlet \varnothing 40 mm
- Maximum flow rate: 0.5 l/sec



R-Line brushed brass



Mesures l x t x h [mm]	Code
R-Line 700 mm	21.664.705
R-Line 800 mm	21.664.805
R-Line 800 mm	21.664.905

R-Line gun metal



Mesures l x t x h [mm]	Code
R-Line 700 mm	21.664.706
R-Line 800 mm	21.664.806
R-Line 900 mm	21.664.906

R-Line rosé gold



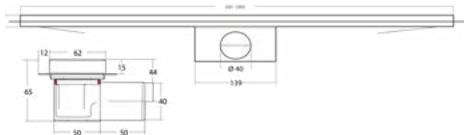
Mesures l x t x h [mm]	Code
R-Line 700 mm	21.664.707
R-Line 800 mm	21.664.807
R-Line 900 mm	21.664.907

R-LINE



R-Line renovated shower drain with side drain. Equipped with a blind grille without holes. This shower drain has a width of 62 mm and is available in 5 different lengths. The R-Line shower drain has a sand layer on the outside, ensuring optimal adhesion to the concrete or cement floor.

- Flow capacity: 0.5 l/sec
- Outlet diameter: 40 mm
- Materials: ABS and AISI 304 stainless steel
- Weight: 2540 g
- Dimensions: 600/700/800/900/1000 x 62 x 65 mm
- Grid width: 56 mm
- Flow capacity: 0.5 l/sec



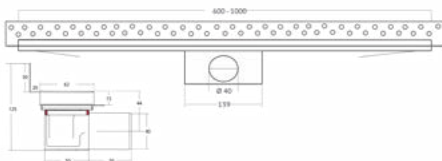
Mesures l x l x h [mm]	Code
600 x 62 x 65 mm	21.664.600
700 x 62 x 65 mm	21.664.700
800 x 62 x 65 mm	21.664.800
900 x 62 x 65 mm	21.664.900
1000 x 62 x 65 mm	21.664.1000

R-LINE WITH WALL FLANGE



R-Line renovated shower drain with wall flange and side drain. Includes a blind grille without holes. This shower drain has a width of 62 mm and is available in 5 different lengths. The R-Line shower drain has a sand layer on the outside, ensuring optimal adhesion to the concrete or cement floor. The grate is concealed and has no holes; water drains between the edge of the grate and the drain itself. A tile grate is optionally available for this shower drain.

- Flow capacity: 0.5 l/sec
- Outlet diameter: 40 mm
- Materials: ABS and AISI 304 stainless steel
- Weight: 2620 g
- Dimensions: 600/700/800/900/1000 x 62 x 65 mm



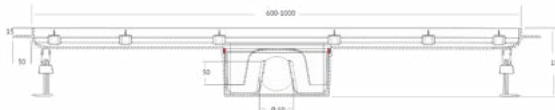
Mesures l x l x h [mm]	Code
600 x 62 x 65 mm	21.668.600
700 x 62 x 65 mm	21.668.700
800 x 62 x 65 mm	21.668.800
900 x 62 x 65 mm	21.668.900
1000 x 62 x 65 mm	21.668.1000

FINISH LINE



Finish Line shower drain with a draining base and side outlet. Equipped with a blind grate without holes, which can also be used as a tile grate. Gutters with adjustable feet to adjust the angle of inclination and levelling in case of a slope in the paving surface.

- Stainless steel grate
- Structure, edges and water collector
- ABS plastic



R-Line matt black, RAL9005



Mesures l x l x h [mm]	Code
600 x 500 x 100 mm	21.684.600.M8
700 x 500 x 100 mm	21.684.700.M8
800 x 500 x 100 mm	21.684.800.M8
900 x 500 x 100 mm	21.684.900.M8
1000 x 500 x 100 mm	21.684.1000.M8

Finish Line



Mesures l x l x h [mm]	Code
600 x 500 x 100 mm	21.684.600
700 x 500 x 100 mm	21.684.700
800 x 500 x 100 mm	21.684.800
900 x 500 x 100 mm	21.684.900
1000 x 500 x 100 mm	21.684.1000

PILOTS AND CHANNELS FOR SWIMMING POOLS AND CHANGING ROOMS

- Inspectionable and tileable ABS drains for swimming pools, changing rooms and showers
- Gratings with frame and support edge for renovation of existing floors
- Modular channels for swimming pools, changing rooms, showers
- Special Purpose Pipes
- Large-capacity industrial sewers and slotted channels

21.109

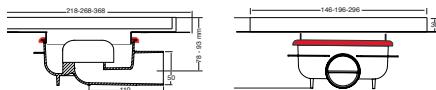


Tileable drains with ABS body, frame and tray for AISI 304 stainless steel tiles.

- Drainage capacity of 30 l/min
- Earthing points
- Horizontal outlet \varnothing 50mm (gluable)
- Height-adjustable tile frame and tray
- Removable tile tray
- Inlay depth of 15 mm
- Sand coated body



Mesures [mm]	Code
146 x 146 x 103-118	21.109.146
196 x 196 x 103-118	21.109.196
296 x 296 x 103-118	21.109.296



21.545

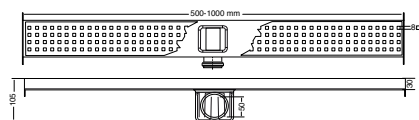
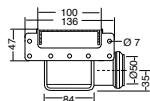
Modular channels with horizontal shower drain made entirely of stainless steel and can be connected to each other, thanks to a mounting flange welded to the end of the channel.

Made to guarantee solutions with tailor-made requests for shower rooms and swimming pools. All parts can be connected to each other thanks to a Viton gasket, screws and mounting nuts. Available with horizontal drain and female outlet of \varnothing 50 mm.



- Made entirely of AISI 304 stainless steel
- Drainage capacity of 30 l/min
- Standard watertrap
- 50 mm horizontal male outlet
- 8 x 8 mm square grating dimensions
- Channels connectable to each other thanks to a gasket in Viton rubber
- Earthing points

Mesures [mm]	Code
500 x 100 x 105	21.545.500
1000 x 100 x 105	21.545.1000



21.544

Modular channels without drain in AISI 304 stainless steel that can be connected to each other with Viton rubber gasket.

Available in two lengths of 500 and 1000 mm.

Mesures [mm]	Code
500 x 100 x 30	21.544.500
1000 x 100 x 30	21.544.1000

**21.544.100**

End of line plate in AISI 304 stainless steel with total width 135 mm for modular channels.

Mesures [mm]	Code
100 x 35	21.544.10

**21.544.101**

Rubber gasket viton 100 mm with bolts mounting included for modular channels.

Mesures [mm]	Code
100	21.544.101



ALUMINIUM DRAIN



- Aluminium drain
- Different measures
- Vertical output
- With siphon cup



VERTICAL OUTPUT

Mesures [mm]	Height [mm]	Exit [mm]	Code
10 x 10	47	40	21.10
15 x 15	62	50	21.15
20 x 20	65	75	21.20
25 x 25	70	75	21.25
30 x 30	65	90	21.30

GRATINGS WITH OR WITHOUT FRAME FOR 1000 MM CHANNEL

21.CR1000

- 304 stainless steel grating
- Width: 100 mm
- Length: 1000 mm
- Grating in one piece
- Grating with 8 mm square holes



21.CA1000 Frame for grating CR1000

- 304 stainless steel frame
- 2 units
- Length: 1000 mm



GRATINGS

[mm]	Code
1000 x 100	21.CR1000
1000	21.CA1000

SPARE PARTS

21.111.5050

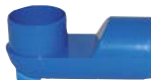
50 mm diameter ABS elbow
for horizontal output

**21.111.5040.1**

50/40 mm ABS reducer

**21.111.7575**

75 mm diameter ABS elbow
for horizontal output

**21.111.6213.001**

Suction cup with rubber disc
diameter 120 mm and double
anti-blocking handle

**21.111.664.40**

Union sleeve with EPDM gasket

**21.111.623**

Membrane siphon system Silicone

- ABS siphon can
- diameter 50 mm
- Silicone membrane
- EPDM O-Ring
- 10 years of agri-business
- Drainage capacity 30-35 l/m
- Resistant to hydrochloric acid (sulfuric acid)
- and sodium hypochlorite (bleach)
- Resists temperatures up to 200° C
- More hygienic (water does not stagnate)
- Easy to clean



Code	Code
21.111.5050	21.111.6213.001
21.111.7575	21.111.623
21.111.5040.1	21.111.664.40

A photograph of a modern industrial building with a large glass facade and a tall, cylindrical brick chimney. The sky is blue with scattered white clouds. A semi-transparent green rectangular box is overlaid on the right side of the image, containing text.

INDuSTRIAL USE

We offer design and direct manufacture of stainless steel drainage solutions for industry, mainly in the following sectors: wineries, food and agriculture, meat, fishing and chemicals.

Our team of professionals with more than 30 years of experience in our sector allows us to generate tailor-made solutions for our clients, with the flexibility and competitiveness that comes from being direct manufacturers and having our own technical design department.

We pay special attention to the quality and manufacture of our products, incorporating an exhaustive control in the technical characteristics and exact measurements.

Our solutions are based on the design and construction of channels, drains and covers for industrial drainage.

Generally speaking, one of the important characteristics of stainless steel drainage is that the channel incorporates a slope to facilitate evacuation, but we also adapt completely to the needs of the client, providing precision solutions for both the channels and the drains.

Our technical-commercial and design team can help you find the best solution for your industrial drainage system.

BLIND WATERPROOF COVER FOR THE ENCLOSURE OF MANHOLES



It is manufactured in smooth and anti-slip finishes and with resistors for pedestrian and heavy traffic. Its height is 70 mm.

PROPERTIES

Cover thickness	3,0 mm
Frame thickness	1,5 mm
Height frame	70 mm
Sealing lip	Yes
Material	AISI-304 (AISI-316)

TRAFFIC AND FINISHING

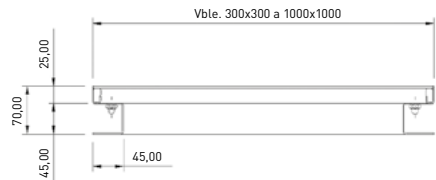
Subcode	Traffic	3,0 Finish mm
23*.002.01	Pedestrian	Smooth
23*.002.02	Heavy	Smooth
23*.002.03	Pedestrian	Anti-slip
23*.002.03	Heavy	Anti-slip

GRATINGS

Dimensions [mm]	Code
300 x 300	23.300.002
400 x 400	23.400.002
500 x 500	23.500.002
600 x 600	23.600.002
700 x 700	23.700.002
800 x 800	23.800.002
900 x 900	23.900.002
1000 x 1000	23.1000.002

*Dimensionally variable

The anti-slip lid cannot be manufactured in AISI-316



REFILLABLE COVER FOR THE ENCLOSURE OF MANHOLES



BASIC. With built-in 50x50/4 mm mesh and handle to pull up.

WATERPROOF. With incorporated mesh of 50x50/4 mm, sealing strip, screw plugs and handle type "drop of tallow".

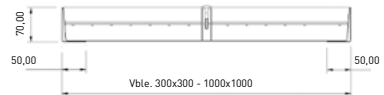


PROPERTIES	23.*.001	23.*.003
	Basic	Waterproof
Sealing lip	No	Yes
Screws of enclosure	No	Yes
Frame height	70 mm	70 mm
Material	AISI-304 (AISI-316)	AISI-304 (AISI-316)

Subcode basic	Waterproof	
23.*.001.01	23.*.003.01	Pedestrian
23.*.001.02	23.*.003.02	Heavy

GRATINGS		
Code/Basic	Code/Waterproof	Dimensions [mm]
23.300.001	23.300.003	300 x 300
23.400.001	23.400.003	400 x 400
23.500.001	23.500.003	500 x 500
23.600.001	23.600.003	600 x 600
23.700.001	23.700.003	700 x 700
23.800.001	23.800.003	800 x 800
23.900.001	23.900.003	900 x 900
23.1000.001	23.1000.003	1000 x 1000

*Dimensionally variable



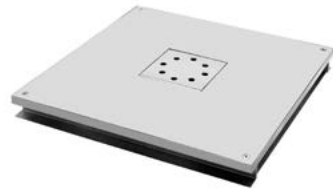
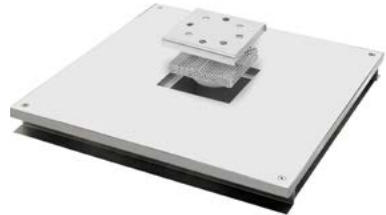
DRAIN COVER FOR THE ENCLOSURE OF MANHOLES



Watertight lid - drain for closing manholes, with 200x200 mm siphon drain which incorporates a basket for collecting solids. It is manufactured in smooth and non-slip finishes, and with resistance for pedestrian and heavy traffic. Its height is 70 mm.

PROPERTIES

Cover thickness	3,0 mm
Frame thickness	1,5 mm
Height frame	70 mm
Sealing lip	Yes
Siphon drain	Yes
Material	AISI-304 [AISI-316]



TRAFFIC AND FINISHING

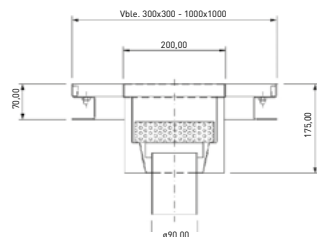
Subcode	Traffic	3,0 Finish mm
23.*.004.01	Pedestrian	Smooth
23.*.004.02	Heavy	Smooth
23.*.004.03	Pedestrian	Anti-slip
23.*.004.03	Heavy	Anti-slip

GRATINGS

Dimensions [mm]	Code
300 x 300	23.300.004
400 x 400	23.400.004
500 x 500	23.500.004
600 x 600	23.600.004
700 x 700	23.700.004
800 x 800	23.800.004
900 x 900	23.900.004
1000 x 1000	23.1000.004

*Dimensionally variable

The anti-slip lid cannot be manufactured in AISI-316



STAINLESS STEEL DRAINS WITH HEIGHT-ADJUSTABLE SIPHON HOOD



- AISI 304 stainless steel drain
- Grating brushed, edge, rotatable 360° and adjustable in height
- Removable siphon hood
- Vertical outlet 75mm with insertion stop and EPDM seal
- ABS rotatable elbow for horizontal outlet 75mm
- Drainage capacity: 80l/min
- Siphon can 50mm
- Settlement fin

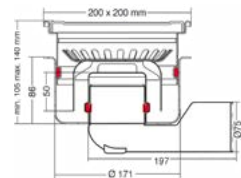
GRATINGS

Dimensions [mm]	Code
200 x 200 x 105-140	21.6210
200 x 200 x 105-140	21.6210V
200 x 200 x 105-140	21.6211
200 x 200 x 105-140	21.6211V
200 x 200 x 105-140	21.6212
200 x 200 x 105-140	21.6213
200 x 200 x 105-140	21.6214

21.6210

AISI 304 stainless steel drain ideal for use in restaurants.

- completely stainless steel 304
- capacity 75 l/min.
- removable watertrap with dirt catcher
- grating provided with 49 holes \varnothing 8 mm
- load capacity 600 kg.
- connection through EPDM ring
- earthingpoint present
- horizontal outlet: insert included connection elbow 90°
- vertical outlet: insert pipe \varnothing 75 mm
- connection elbow is glueable
- grating and frame 360° rotatable
- flanges on all sides
- in height adjustable
- screwed grating possible
- provided with sand skin

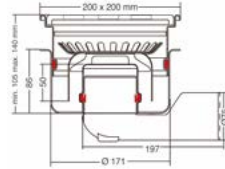


Model with screwed-in grating 21.6210V

21.6211

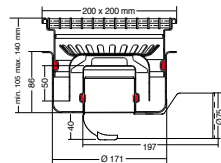
AISI 304 stainless steel drain ideal for use in restaurants.

- completely stainless steel 304
- capacity 75 l/min.
- removable watertrap with dirt catcher
- grating provided with 19 holes \varnothing 18 mm
- load capacity 3000 kg.
- connection through EPDM ring
- earthingpoint present
- horizontal outlet: insert included connection elbow 90°
- vertical outlet: insert pipe \varnothing 75 mm
- connection elbow is gluable
- grating and frame 360° rotatable
- flanges on all sides
- in height adjustable
- screwed grating possible
- provided with sand skin

**21.6212**

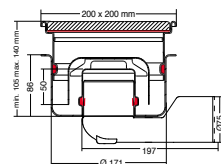
AISI 304 stainless steel drain ideal for use in restaurants.

- completely stainless steel 304
- capacity 75 l/min.
- removable watertrap with dirt catcher
- provided with mesh grating
- load capacity 500 kg.
- connection through EPDM ring
- earthingpoint present
- horizontal outlet: insert included connection elbow 90°
- vertical outlet: insert pipe \varnothing 75 mm
- connection elbow is gluable
- grating and frame 360° rotatable
- flanges on all sides
- in height adjustable
- screwed grating possible
- provided with sand skin

**21.6213**

AISI 304 stainless steel drain ideal for use in laboratories.

- completely stainless steel 304
- capacity 75 l/min.
- removable watertrap with dirt catcher
- provided with air tight grating
- load capacity 1000 kg.
- connection through EPDM ring
- earthingpoint present
- horizontal outlet: insert included connection elbow 90°
- vertical outlet: insert pipe \varnothing 75 mm
- connection elbow is gluable
- grating and frame 360° rotatable
- flanges on all sides
- in height adjustable
- provided with sand skin



STAINLESS STEEL DRAINS FOR INDUSTRIAL APPLICATION

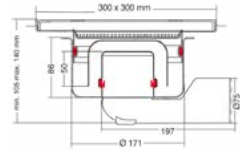


- Stainless steel drain AISI 304
- Grating and polished edge, rotatable 360° and adjustable in height
- Removable hood with filter cover
- Vertical outlet 75 mm with insertion stop and EPDM seal
- ABS rotatable elbow for horizontal outlet 75 mm
- Drainage capacity: 80 l/min
- Body thickness: 2mm
- Settlement fin

Dimensions [mm]	Code
300 x 300	21.6230
300 x 300	21.6232

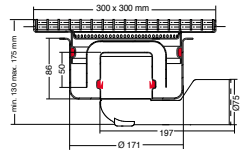
21.6230

- 300 x 300 mm
- Grating with Ø 8 mm holes
- Load capacity: 500 kg



21.6232

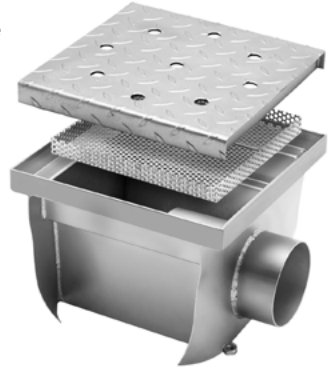
- 300 x 300 mm
- Non-slip grating in of serrated plates
- Load capacity: 700 kg



STAINLESS STEEL DRAINS FOR INDUSTRIAL APPLICATION



Industrial siphon drain, with horizontal outlet.
With 6 possible dimensions according to reference, basket for the collection of solids and perforated cover for pedestrian or heavy traffic, in smooth, non-slip and bar finishes.



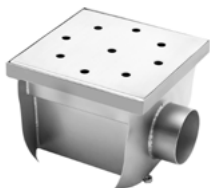
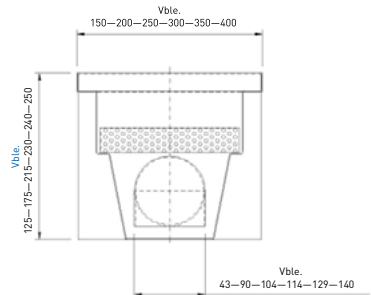
DRAINS

Properties	21.27-150L	21.27-200L	21.27-250L	21.27-300L	21.27-350L	21.27-400L
Dimensions	150 x 150 mm	200 x 200 mm	250 x 250 mm	300 x 300 mm	350 x 350 mm	400 x 400 mm
Height	125 mm	175 mm	215 mm	230 mm	240 mm	250 mm
Basket	Yes					
Thickness body	1,5 mm	1,5 mm	1,5 mm	1,5 mm	1,5 mm	1,5 mm
Cover thickness	3,0 mm	3,0 mm	3,0 mm	3,0 mm	3,0 mm	3,0 mm
Siphon	Yes					
Outlet	horizontal					
Outlet diameter	43 mm	90 mm	104 mm	114 mm	129 mm	140 mm
Flow	650 l/h	2800 l/h	3800 l/h	4600 l/h	5900 l/h	7300 l/h
Material	AISI-304 (AISI-316)					

TRAFFIC AND FINISHING

Subcode	Traffic	3,0 Finish mm
21.27.*.01	Pedestrian	Smooth
21.27.*.02	Heavy	Smooth
21.27.*.03	Pedestrian	Anti-slip
21.27.*.04	Heavy	Anti-slip
21.27.*.05	Heavy	Bar grating cover

*Dimensionally variable



STAINLESS STEEL DRAINS FOR INDUSTRIAL APPLICATION



With 6 possible dimensions according to reference, basket for the collection of solids and perforated cover for pedestrian or heavy traffic, in smooth, non-slip and bar finishes.



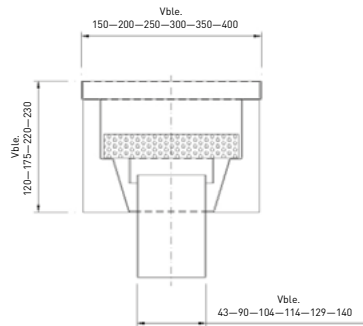
DRAINS

Properties	21.27-150	21.27-200	21.27-250	21.27-300	21.27-350	21.27-400
Dimensions	150 x 150 mm	200 x 200 mm	250 x 250 mm	300 x 300 mm	350 x 350 mm	400 x 400 mm
Height	125 mm	175 mm	220 mm	230 mm	230 mm	230 mm
Basket	Yes					
Thickness body	1,5 mm	1,5 mm	1,5 mm	1,5 mm	1,5 mm	1,5 mm
Cover thickness	3,0 mm	3,0 mm	3,0 mm	3,0 mm	3,0 mm	3,0 mm
Siphon	Yes					
Outlet	Vertical					
Outlet diameter	43 mm	90 mm	104 mm	114 mm	129 mm	140 mm
Flow	1800 l/h	4300 l/h	4900 l/h	5600 l/h	6000 l/h	7300 l/h
Material	AISI-304 (AISI-316)					

TRAFFIC AND FINISHING

Subcode	Traffic	3,0 Finish mm
21.27.*.01	Pedestrian	Smooth
21.27.*.02	Heavy	Smooth
21.27.*.03	Pedestrian	Anti-slip
21.27.*.04	Heavy	Anti-slip
21.27.*.05	Heavy	Bar grating cover

*Dimensionally variable



STAINLESS STEEL DRAINS FOR INDUSTRIAL APPLICATION



E-Drain siphon drain, with vertical outlet.
With 3 possible dimensions according to reference, without basket and with perforated cover for pedestrian or heavy traffic, in smooth, non-slip and bar finishes.



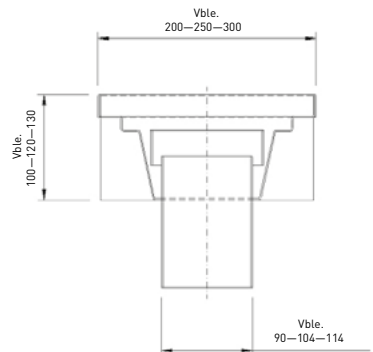
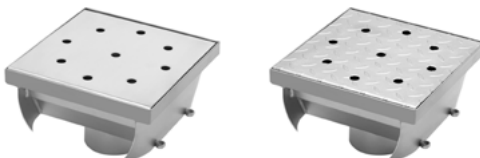
DRAINS

Properties	21.28-200	21.28-250	21.28-300
Dimensions	200 x 200 mm	250 x 250 mm	300 x 300 mm
Height	100 mm	120 mm	130 mm
Basket	No		
Thickness body	1,5 mm	1,5 mm	1,5 mm
Cover thickness	3,0 mm	3,0 mm	3,0 mm
Siphon	Yes		
Outlet	vertical		
Outlet diameter	90 mm	104 mm	114 mm
Flow	4300 l/h	4900 l/h	5600 l/h
Material	AISI-304 (AISI-316)		

TRAFFIC AND FINISHING

Subcode	Traffic	3,0 Finish mm
21.28.*.01	Pedestrian	Smooth
21.28.*.02	Heavy	Smooth
21.28.*.03	Pedestrian	Anti-slip
21.28.*.04	Heavy	Anti-slip
21.28.*.05	Heavy	Bar grating cover

*Dimensionally variable



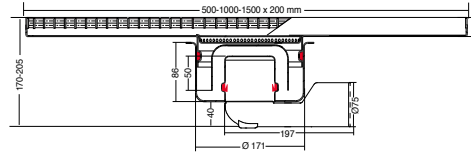
STAINLESS STEEL DRAINS FOR INDUSTRIAL APPLICATION



- AISI 304 stainless steel channel
- Removable hood with filter cover
- Vertical outlet \varnothing 75 mm with insertion stop and EPDM seal
- ABS rotatable elbow for horizontal outlet 75 mm
- Drainage capacity: 80 l/min
- Anti-slip grating in serrated plate format
- Adjustable in height
- Easy to clean



Dimensions [mm]	Code
500 x 200 x 170-250	21.540.500
1000 x 200 x 170-250	21.540.1000
1500 x 200 x 170-250	21.540.1500



STAINLESS STEEL DUCTS AND PILLS FOR PROFESSIONAL KITCHENS AND LABORATORIES

- Stainless steel ducts for kitchens, restaurants, butchers, shops, etc..
- Available in 3 different lengths
- Provided with a non skid grating
- Exhaust welded to the centre of the duct with ABS elbow for horizontal discharge

21.560.1000

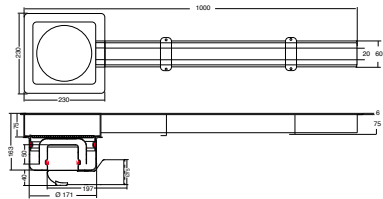


AISI 316 stainless steel slotted channel and drain with non-slip surface and removable siphon with waste collection system.

- Made entirely of AISI 316 stainless steel
- Drainage capacity 85 l/min
- Load capacity of 3,000 kg
- Non-slip surface
- Connection through EPDM gasket
- Earthing points
- ABS elbow for 75mm horizontal outlet (gluable)
- Frame and grating can be rotated 360° and height-adjustable
- Height-adjustable feet for optimal installation



Canal mesures [mm]	Drain mesures [mm]	Code
1000 x 60 x 75	230 x 230 x 163	21.560.1000



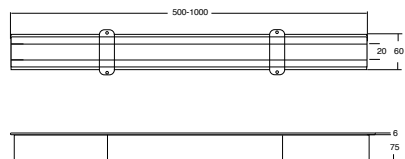
21.561



Slotted channel of 500 and 1000 mm in AISI 316 stainless steel that can be used to maintain the continuity of the drain in the case of larger surfaces.

- Made entirely of AISI 316 stainless steel
- Drainage capacity of 85 l/min
- Load capacity of 3,000 kg
- Height-adjustable feet for optimal installation

Mesures [mm]	Code
500 x 60 x 75	21.561.500
1000 x 60 x 75	21.561.1000



MODULAR SLOTTED CHANNEL 20/60 MM (CHANNEL)

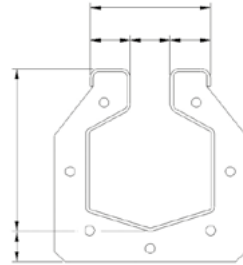


Modular Grooved Channel of 020/060 mm. It incorporates a slope in itself (heights from 60 to 140 mm), which makes it possible to install continuous channels with a progressive slope of 24 metres, on completely flat floors.

- The drainage of water at the end of the drainage line has been solved with three drains that can be connected to the channel, measuring 200x200 mm, 250x250 mm and 300x300 mm, with the possibility of choosing between horizontal or vertical outlets, which may or may not be siphoned and may or may not be equipped with a basket for collecting solids
- The drain covers are available in glossy or anti-slip finish
- You do not need to install a grating. Another possibility of this channel is its installation in „grating“, as it has special pieces in the shape of „L“ or „T“, totally compatible with its modularity



Properties	
Slot width	20 mm
Total width	60 mm
Height variable	from 60 to 140 mm
L-pieces	Yes
T-pieces	Yes
EPDM seal	Yes
Stainless steel screws	Yes
Levelers	Yes
Material	AISI-304 (AISI-316)



INDUSTRIAL MODULAR CHANNEL 125/165 MM



Industrial Modular Channel of 125/165 mm. This is our standard modular channel. It incorporates a slope in itself (heights from 50 to 120 mm), which makes it possible to install continuous channels with a progressive slope of 21 meters in length, on completely flat pavements.

- The drainage of water at the end of the drainage line has been solved with two drains that can be connected to the channel, 250x250mm and 300x300mm, with the possibility of choosing between horizontal or vertical outlets, which may or may not be siphoned and may or may not be equipped with a basket for collecting solids
- The drain covers are available in glossy or anti-slip finish. Another possibility for this channel is its installation in a „grating“, as it has special „L“ or „T“ shaped pieces, which are totally compatible with its modularity



*Other channel widths available
Consult with the commercial department

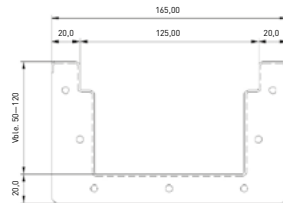
CHANNEL

Properties

Grating width	125 mm
Grating height	20 mm
Total width	165 mm
Height variable	from 50 to 120 mm
L-pieces	Yes
T-pieces	Yes
EPDM seal	Yes
Stainless steel screws	Yes
Levelers	Yes
Material	AISI-304 (AISI-316)

Related Options

Modular bar grating 125x20x500 mm*
Suislot Modular Grating 10-080x125x1000 mm*
Modular Tube Grating 125x20x500 mm*
Modular „U“ Grating 125x20x500 mm*
Modular Grating Walkway 125x20x1000 mm*
Modular Perforated Grating 125x20x1000 mm*
Anti-heeled footbridge grating 124x1000 mm*
Square grating 124x1000 mm*



MODULAR BAR GRATING 125 X 20 X 500 MM



Grating for our Industrial Modular Channel 125/165 mm, dimensions 125 x 20 x 500 mm. Manufactured with solid bars of 20 x 8 mm.

Suitable for heavy traffic. Also available for our 80 mm modular channel.



Properties	Mesures
Width	125 mm
Height	20 mm
Length	500 mm
Traffic	Heavy
Material	AISI-304 (AISI-316)

MODULAR "U" GRATING 125 X 20 X 500 MM



Grating for our Industrial Modular Channel 125/165 mm, dimensions 125 x 20 x 500 mm.

Manufactured with solid beams of 20 x 6 mm and cross profiles in the form of „U“, 25 x 20 mm, in 1.5 mm thick plate. Suitable for pedestrian traffic. Also available for our 80 mm modular channel.



Properties	Mesures
Width	125 mm
Height	20 mm
Length	500 mm
Traffic	Pedestrian
Material	AISI-304 (AISI-316)

MODULAR TUBE GRATING 125 X 20 X 500 MM



Grating for our Industrial Modular Channel 125/165 mm, dimensions 125 x 20 x 500 mm. Manufactured with solid 20 x 6 mm beams and

20 x 20 mm tube cross profiles, 1.5 mm thick. Suitable for medium traffic. Also available for our 80 mm modular channel.



Properties	Mesures
Width	125 mm
Height	20 mm
Length	500 mm
Traffic	Medium
Material	AISI-304 (AISI-316)

GANGWAY GRATING 124 X 1000 MM

Grating for our Industrial Modular Channel 125/165 mm, of dimensions 124 x 1000 mm.

Suitable for class A15 pedestrian traffic.

Properties	Mesures
Width	124 mm
Length	1000 mm
Traffic	Heavy
Material	AISI-304 (AISI-316)

**ANTI-HEELD FOOTBRIDGE GRATING 124 X 1000 MM**

Grating for our Industrial Modular Channel 125/165 mm, of dimensions 124 x 1000 mm.

Suitable for class A15 pedestrian traffic.

Properties	Mesures
Width	124 mm
Length	1000 mm
Traffic	Heavy
Material	AISI-304 (AISI-316)

**PERFORATED GRATING 124 X 1000 MM**

Grating for our Industrial Modular Channel 125/165 mm, of dimensions 124 x 1000 mm.

Suitable for class A15 pedestrian traffic.

Properties	Mesures
Width	124 mm
Length	1000 mm
Traffic	Heavy
Material	AISI-304 (AISI-316)

**SQUARE GRATING 124 X 1000 MM**

Grating for our Industrial Modular Channel 125/165 mm, of dimensions 124 x 1000 mm.

Suitable for class A15 pedestrian traffic.

Properties	Mesures
Width	124 mm
Length	1000 mm
Traffic	Heavy
Material	AISI-304 (AISI-316)



PILOTS AND CANNINGS FOR LARGE PLANTS AND COMPANIES

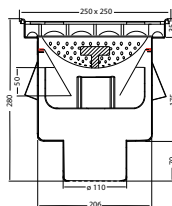
- Inspectionable and tileable ABS drains for swimming pools, changing rooms and showers
- Gratings with frame and support edge for renovation of existing floors
- Modular channels for swimming pools, changing rooms and showers
- Special Purpose Pipes
- Industrial drains and slotted channels for large flow rates

INDUSTRIAL SEWERS AND SLOTTED CHANNELS FOR LARGE COURSES

Industrial drains complete our Gebo Drain product range. They are available with 2 gratings of different load capacities. All the drains are equipped with a removable stainless steel basket that collects the residues, preventing the obstruction of the sewer system. The round, hygienic shape, the high drainage capacity and the high quality of the material used to make the product guarantee safe use of the product at industrial level. The sanitary drains are available in two outlet versions: vertical and horizontal \varnothing 110 mm.

21.725

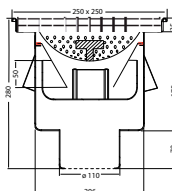
- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity 3000 kg
- Drainage capacity of 100 l/min
- Vertical outlet \varnothing 110 mm
- Earthing points
- Smooth 4-point non-slip and grating



Mesures [mm]	Code
250 x 250 x 280	21.725

21.30725

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity 1000 kg
- Drainage capacity of 100 l/min
- Vertical outlet \varnothing 110 mm
- Earthing points
- Non-slip and screw-on mesh grating



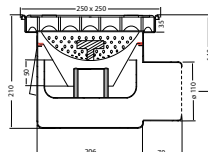
Mesures [mm]	Code
250 x 250 x 280	21.30725



21.726

Industrial drain for large capacities in stainless steel, smooth grating with 4 holes, horizontal outlet.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Horizontal outlet \varnothing 110 mm
- Earthing points
- Smooth 4-point non-slip and screwable grating



Mesures [mm]

Code

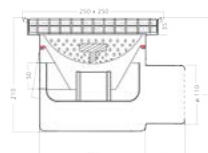
250 x 250 x 280

21.30725

21.30726

Industrial drain for large capacities in stainless steel, grating, horizontal exit.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Horizontal outlet \varnothing 110 mm
- Earthing points
- Non-slip and screw-on mesh grating



Mesures [mm]

Code

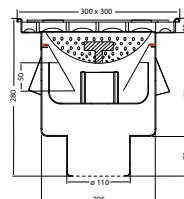
250 x 250 x 210

21.30726

21.730

Industrial drain for large capacities in stainless steel, smooth grating 4 holes, vertical outlet.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Vertical outlet \varnothing 110 mm
- Earthing points
- Smooth 4-hole non-slip and screw-on grating



Mesures [mm]

Code

300 x 300 x 280

21.730

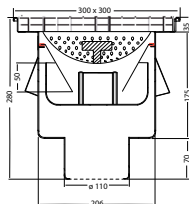




21.30730

Industrial drain for large capacities in stainless steel, grating, vertical exit.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Vertical outlet \varnothing 110 mm
- Earthing points
- Non-slip and screw-on braided grating



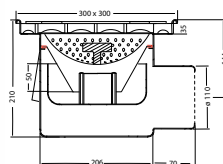
Mesures [mm]	Code
300 x 300 x 280	21.30730



21.731

Industrial drain for large capacities in stainless steel, smooth grating with 4 holes, horizontal outlet.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Horizontal outlet \varnothing 110 mm
- Earthing points
- Smooth 4-hole non-slip and screw-on grating



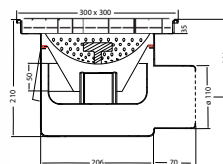
Mesures [mm]	Code
300 x 300 x 210	21.731



21.30731

Industrial drain for large capacities in stainless steel, grating, horizontal exit.

- Made entirely of AISI 316 stainless steel
- Hygienic round shape
- Removable waste basket
- Removable siphon
- Load capacity of 3,000 kg
- Drainage capacity of 100 l/min
- Horizontal outlet \varnothing 110 mm
- Earthing points
- Non-slip and screw-on mesh grating

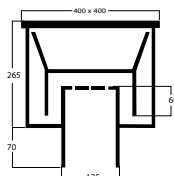


Mesures [mm]	Code
300 x 300 x 210	21.30731

21.640

Cubic industrial drain with striped grating, vertical outlet for large capacities in stainless steel.

- Made entirely of AISI 304 stainless steel
- Removable waste basket
- Removable siphon
- Capacity of 2,000 kg
- Vertical outlet \varnothing 125 mm
- Earthing points
- Striped non-slip grating

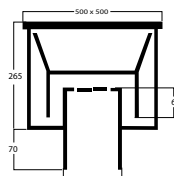
**Mesures [mm]****Code**

400 x 400 x 335

21.640**21.650**

Cubic industrial drain with striped grating, vertical outlet for large capacities in stainless steel.

- Made entirely of AISI 304 stainless steel
- Removable waste basket
- Removable siphon
- Load capacity of 1,500 kg
- Drainage capacity of 100 l/min
- Vertical outlet \varnothing 160 mm
- Earthing points
- Striped non-slip grating

**Mesures [mm]****Code**

500 x 500 x 335

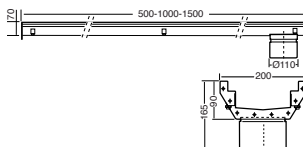
21.650



21.128.520

Industrial slotted channels that can be connected to each other, ideal for heavy duty use. Made entirely of AISI 304 stainless steel and equipped with vertical hydro-sanitary drainage. Available with a fixed width of 200 mm, 3 different lengths and 2 types of gratings with different load capacities

- Made entirely of AISI 304 stainless steel
- Drainage capacity of 60 l/min
- Load capacity of 1.250 kg (mesh grating) or 2.000 kg (smooth grating)
- Connection through Viton rubber gasket
- Earthing points
- Height-adjustable feet guarantee optimal installation

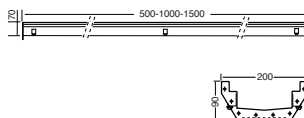


Mesures [mm]	Code
500 x 200 x 165	21.128.520.050
1000 x 200 x 165	21.128.520.100
1500 x 200 x 165	21.128.520.150

21.128.521

Industrial slotted channels that can be connected to each other for large capacities. Made entirely of AISI 304 stainless steel. Available with a fixed width of 200 mm, 3 different lengths and 2 types of gratings with different load capacities.

- Made entirely of AISI 304 stainless steel
- Load capacity of 1,250 kg (mesh grating) or 2,000 kg (smooth grating)
- Connection through Viton rubber gasket
- Earthing points
- Height-adjustable feet guarantee optimal installation



Mesures [mm]	Code
500 x 200 x 90	21.128.521.050
1000 x 200 x 90	21.128.521.100
1500 x 200 x 90	21.128.521.150

21.128.522

Smooth AISI 304 stainless steel grating with a capacity of 2,000 kg. Suitable for use with industrial slotted channels.

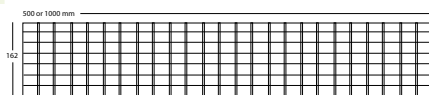
Mesures [mm]	Code
500 x 200 x 23	21.128.522.050
1000 x 200 x 23	21.128.522.100
1500 x 200 x 23	21.128.522.150



21.128.523

AISI 304 stainless steel mesh grating with a capacity of 1,250 kg. Suitable for use with industrial slotted channels.

Mesures [mm]	Code
500 x 162 x 23	21.128.523.050
1000 x 2162 x 23	21.128.523.100

**21.128.500.100**

Siphon for industrial conduits.

Mesures [mm]	Code
Ø110	21.128.500.100

**21.128.524.020**

End of line plate 200 mm stainless steel for the slotted channels.

Mesures [mm]	Code
200 c 3 x 90	21.128.524.020

**21.128.520.101**

Rubber gasket Viton 200 mm with bolts of mounting included for slotted channels.

Mesures [mm]	Code
200	21.128.520.101



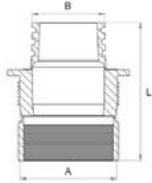


geboflex

SMART CONNECTION SOLUTIONS
FOR DIFFERENT PIPING SYSTEMS.



MULTI PIPE REDUCER



Internal adaptor for connecting and reducing two piping systems of different external or internal diameters, materials, or surface structures; connection always fits an external pipe diameter or into an internal pipe diameter (reduction); multiple combination possibilities per adaptor; suitable for horizontal or vertical installation; compatible with other adaptors; suitable for use in plaster, concrete, and soil; UV and weather-resistant material; noise-reducing.

FEATURES AND BENEFITS

- Suitable for all waste water pipes
- For horizontal & vertical installation
- Minimal reduction path
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Maximum stability thanks to pressure pressing
- Quick & easy installation without tools
- Suitable for supply/exhaust air connections

SPECIFICATION

Pressure density 0,5 bar / 7.3 PSI
 Vacuum pressure density -0,3 bar
 High-pressure flushing resistance 120 bar
 Product standards EN 681-2

RESISTANCES

Heat resistant 120 °C
 Cold resistant -40 °C
 UV resistant ✓
 Suitable for soil ✓
 Flush-mounting suited ✓



Article no.	A Size range	B Size range	L Length	Weight
C10011	50 mm	40 / 32 mm	64 mm	0.04 kg
C10012	64 / 58 mm	50 / 40 mm	96 mm	0.06 kg
C10013	75 / 70 mm	50 / 40 mm	96 mm	0.11 kg
C10016	96 / 83 mm	75 / 50 mm	97 mm	0.18 kg
C10017	100-105 mm	75 / 50 mm	68 mm	0.18 kg
C10014	100-105 mm	90 / 75 mm	64 mm	0.13 kg
C10015	123-130 mm	110 / 75 mm	68 mm	0.24 kg
C10107	150 / 125 mm	125 / 110 mm	115 mm	0.41 kg

FUNCTIONALITY OF THE COMBI-ADAPTOR IN DETAIL



Article no.	Size range	1. Combination	2. Combination	3. Combination	4. Combination
C10011	50 40/32	Here, you can only tear off or fold in the upper part.		50° / 32°	50° / 40°
C10012	64/58 50/40	64° / 40°	64° / 50°	58° / 40°	58° / 50°
C10013	75/70 50/40	75° / 40°	75° / 50°	70° / 40°	70° / 50°

* Outer diameter of the adaptor in mm - ** Inner diameter of the adaptor in mm



Article no.	Size range	1. Combination	2. Combination	3. Combination	4. Combination	5. Combination	6. Combination
C10016	96/83 75/50	96° 50°	83° 50°	96° 75°	75° 50°	83° 75°	-
C10017	150/125 110	150° 110°	125° 110°	150° 116°	118° 110°	125° 116°	150° 135-125°

* Outer diameter of the adaptor in mm - ** Inner diameter of the adaptor in mm

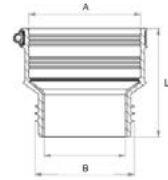


Article no.	Size range	1. Combination	2. Combination	3. Combination
C10014	100-105 90/75	100-105° 90°	90° 75°	100-105° 75°
C10017	100-105 75/50	100-105° 75°	75° 50°	100-105° 50°
C10015	123-130 110/75	123-130° 110°	110° 75°	123-130° 75°

* Outer diameter of the adaptor in mm - ** Inner diameter of the adaptor in mm

PLUG ADAPTOR

Internal adaptor for connecting two piping systems with the same pipe dimensions (DN) as well as for the same or different materials and surface structures; noise-reducing sealing lips; recommended for vertical installation for black water; suitable for horizontal or vertical installation for grey water; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.



FEATURES AND BENEFITS

- Suitable for all waste water pipes
- Flow-optimized internal reinforcement
- Reliable connection for floor-level pipes
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Maximum stability due to pressure grouting
- Flexible against earth settlement
- Suitable for supply/exhaust air connections

SPECIFICATION

Pressure density	0.5 bar / 7.3 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Socket wrench insert	SW 8 mm
Tightening torque	6,0 Nm
Angular deviation (max.)	5,0°
Product standards	EN 681-2

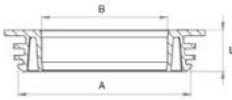
RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	B Size range	L Length	E Plug depth	Weight
C11017	73-85 mm	69-75 mm	100 mm	37 mm	0.19 kg
C11022	73-90 mm	79-86 mm	115 mm	45 mm	0.25 kg
C11020	100-116 mm	100-105 mm	115 mm	45 mm	0.31 kg
C11021	120-141 mm	117-127 mm	125 mm	50 mm	0.45 kg
C11023	150-168 mm	145-157 mm	145 mm	60 mm	0.84 kg



PIPE REDUCER



Internal adaptor for connecting and reducing two pipe systems with different external or internal diameters, materials or surface structures; connection is always made to an external pipe diameter or into an internal pipe diameter (reduction); noise-reducing; suitable for horizontal or vertical installation; suitable for flush-mounted, concrete and soil applications; UV and weather-resistant material.

FEATURES AND BENEFITS

- Suitable for all waste water pipes
- For horizontal & vertical installation
- Minimal reduction path
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Maximum stability thanks to pressure pressing
- Quick & easy installation without tools
- Suitable for supply/exhaust air connections

SPECIFICATION

Pressure density	0.5 bar / 7.3 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Product standards	EN 681-1

RESISTANCES

Heat resistant
Cold resistant
UV resistant
Suitable for soil
Flush-mounting suited

120 °C
-40 °C

✓
✓
✓



Article no.	A Size range	B Size range	L Length	Weight
C10141	36 mm	32 mm	32 mm	0.01 kg
C10001	43 mm	32 mm	22 mm	0.02 kg
C10002	43 mm	40 mm	22 mm	0.01 kg
C10003	45 mm	32 mm	22 mm	0.02 kg
C10004	45 mm	40 mm	22 mm	0.01 kg
C10089	50 mm	32 mm	22 mm	0.04 kg
C10090	50 mm	40 mm	32 mm	0.03 kg
C10093	70 mm	32 mm	26 mm	0.07 kg
C10094	70 mm	50 mm	33 mm	0.07 kg
C10005	73 mm	50 mm	33 mm	0.07 kg
C10095	83 mm	40 mm	37 mm	0.15 kg
C10096	83 mm	50 mm	37 mm	0.13 kg
C10097	83 mm	75 mm	38 mm	0.07 kg
C10098	96 mm	50 mm	32 mm	0.17 kg
C10099	96 mm	75 mm	32 mm	0.11 kg
C10106	100 mm	50 mm	32 mm	0.18 kg
C10084	100 mm	75 mm	32 mm	0.14 kg
C10085	105 mm	90 mm	32 mm	0.07 kg
C10086	105 mm	75 mm	32 mm	0.14 kg
C10088	123 mm	75 mm	32 mm	0.23 kg
C10087	123 mm	110 mm	38 mm	0.12 kg
C10006	150 mm	110 mm	36 mm	0.25 kg
C10007	178 mm	160 mm	36 mm	0.20 kg

WALL SEAL

Seal for connecting pipes with spigot ends to main pipes or shafts made of different materials or surface structures; starting from a wall thickness of 40 mm; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.

FEATURES AND BENEFITS

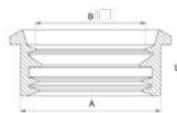
- Suitable for all waste water pipes
- For connection to concrete pipes and manholes
- For horizontal & vertical installation
- Connections with an angle of up to 5° possible
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Connections in the condensate drainage area
- Suitable for supply/exhaust air connections
- Flexible with regard to ground settlement

SPECIFICATION

Pressure density	0.6 bar / 8.7 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Product standards	EN 681-1

RESISTANCES

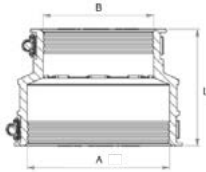
Heat resistant	140 °C
Cold resistant	-60 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓



Article no.	A Size range	B Size range	L Length	Weight
C18251	75 mm	50 mm	66 mm	0.18 kg
C18206	138 mm	110 mm	66 mm	0.40 kg
C18207	151 mm	125 mm	66 mm	0.50 kg
C18208	186 mm	160 mm	66 mm	0.50 kg
C18209	226 mm	200 mm	66 mm	0.60 kg
C18211	276 mm	250 mm	66 mm	0.87 kg
C18212	341 mm	315 mm	66 mm	1.20 kg
C18213	426 mm	400 mm	66 mm	1.99 kg
C18214	526 mm	500 mm	66 mm	2.09 kg
C18210	658 mm	630 mm	66 mm	2.20 kg



ADAPTOR COUPLINGS



External adaptor for connecting two piping systems with different external diameters as well as different materials or surface structures; for reducing various pipe dimensions; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.

FEATURES AND BENEFITS

- Suitable for all waste water pipes
- Durable and maintenance-free connection
- For horizontal and vertical installation
- Suitable for ribbed and insulated pipes
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Connections in the condensate drain area
- Suitable for supply/exhaust air connections

SPECIFICATION

Pressure density	0.6 bar / 8.7 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Product standards	EN 681-1, EN 295-4

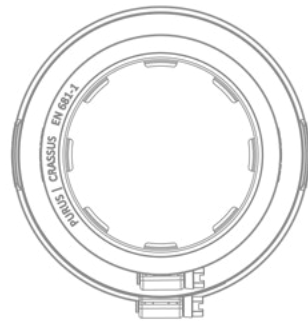
RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	B Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)
C12027	30-34 mm	24-28 mm	70 mm	0.11 kg	5,0°	20 mm
C12043	32-40 mm	24-32 mm	70 mm	0.10 kg	5,0°	20 mm
C12028	38-43 mm	30-35 mm	70 mm	0.12 kg	5,0°	20 mm
C12044	40-50 mm	24-32 mm	70 mm	0.12 kg	5,0°	20 mm
C12023	40-50 mm	32-40 mm	70 mm	0.12 kg	5,0°	20 mm
C12029	48-56 mm	38-43 mm	70 mm	0.14 kg	5,0°	20 mm
C12024	50-65 mm	35-42 mm	70 mm	0.17 kg	5,0°	25 mm
C12047	53-64 mm	40-50 mm	95 mm	0.18 kg	5,0°	20 mm
C12030	60-68 mm	38-43 mm	80 mm	0.16 kg	5,0°	20 mm
C12025	70-75 mm	58-64 mm	70 mm	0.22 kg	5,0°	20 mm
C12026	75-90 mm	40-50 mm	70 mm	0.23 kg	5,0°	20 mm
C12049	75-90 mm	53-64 mm	95 mm	0.23 kg	5,0°	25 mm
C12031	82-92 mm	48-56 mm	80 mm	0.23 kg	5,0°	22 mm
C12032	82-92 mm	60-68 mm	80 mm	0.24 kg	5,0°	22 mm
C12034	100-115 mm	40-50 mm	100 mm	0.25 kg	5,0°	25 mm
C12037	100-115 mm	50-64 mm	100 mm	0.30 kg	5,0°	25 mm
C12052	100-116 mm	75-90 mm	95 mm	0.31 kg	5,0°	25 mm
C12039	105-120 mm	35-42 mm	100 mm	0.36 kg	5,0°	25 mm
C12041	110-122 mm	48-56 mm	120 mm	0.39 kg	5,0°	35 mm

Article no.	A Size range	B Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)
C12042	110-122 mm	60-68 mm	120 mm	0.46 kg	5,0°	35 mm
C12040	110-122 mm	80-95 mm	100 mm	0.40 kg	5,0°	25 mm
C12054	110-125 mm	100-116 mm	105 mm	0.45 kg	5,0°	30 mm
C12056	121-136 mm	80-95 mm	105 mm	0.55 kg	5,0°	30 mm
C12057	121-136 mm	100-116 mm	105 mm	0.45 kg	5,0°	35 mm
C12033	121-136 mm	110-121 mm	100 mm	0.47 kg	5,0°	35 mm
C12060	130-145 mm	110-125 mm	120 mm	0.63 kg	5,0°	35 mm
C12062	144-160 mm	110-122 mm	120 mm	0.67 kg	5,0°	35 mm
C12063	144-160 mm	121-136 mm	120 mm	0.76 kg	5,0°	35 mm
C12065	155-170 mm	110-125 mm	120 mm	0.74 kg	5,0°	35 mm
C17411	155-170 mm	130-145 mm	120 mm	0.75 kg	5,0°	35 mm
C12036	170-191 mm	160-170 mm	100 mm	0.70 kg	5,0°	35 mm
C17415	170-192 mm	110-122 mm	120 mm	0.88 kg	5,0°	35 mm
C17416	170-192 mm	121-136 mm	120 mm	0.93 kg	5,0°	35 mm
C17417	170-192 mm	144-160 mm	120 mm	0.93 kg	5,0°	35 mm
C17420	180-200 mm	130-145 mm	150 mm	1.20 kg	5,0°	45 mm
C17421	180-200 mm	155-170 mm	150 mm	1.13 kg	5,0°	45 mm
C17034	180-200 mm	160-180 mm	150 mm	1.80 kg	5,0°	45 mm
C17418	185-210 mm	100-115 mm	150 mm	1.12 kg	5,0°	45 mm
C17423	185-210 mm	110-125 mm	150 mm	1.20 kg	5,0°	45 mm
C17424	185-210 mm	144-160 mm	150 mm	1.20 kg	5,0°	45 mm
C17422	185-210 mm	160-180 mm	150 mm	1.22 kg	5,0°	45 mm
C17426	195-215 mm	100-115 mm	150 mm	1.35 kg	5,0°	45 mm
C17182	190-215 mm	150-165 mm	150 mm	1.15 kg	5,0°	45 mm
C17037	260-285 mm	240-250 mm	130 mm	1.52 kg	3,0°	45 mm
C17183	200-225 mm	160-175 mm	150 mm	1.21 kg	5,0°	45 mm
C17192	195-220 mm	155-170 mm	150 mm	1.40 kg	5,0°	45 mm
C17184	210-235 mm	110-122 mm	150 mm	1.33 kg	5,0°	45 mm
C17185	210-235 mm	121-136 mm	150 mm	1.32 kg	5,0°	45 mm
C17186	210-235 mm	144-160 mm	150 mm	1.33 kg	5,0°	45 mm
C17187	210-235 mm	170-192 mm	150 mm	1.37 kg	5,0°	45 mm
C17188	210-235 mm	190-215 mm	150 mm	1.34 kg	5,0°	45 mm
C17189	240-265 mm	144-160 mm	150 mm	1.60 kg	3,0°	45 mm
C17190	240-265 mm	170-192 mm	150 mm	1.64 kg	3,0°	45 mm
C17191	240-265 mm	190-215 mm	150 mm	1.71 kg	3,0°	45 mm
C17193	240-265 mm	210-235 mm	150 mm	1.67 kg	3,0°	45 mm
C17194	250-275 mm	160-175 mm	150 mm	1.75 kg	3,0°	45 mm
C17195	250-275 mm	200-225 mm	150 mm	1.77 kg	3,0°	45 mm
C12035	260-285 mm	180-205 mm	150 mm	2.25 kg	3,0°	45 mm
C17196	265-290 mm	144-160 mm	150 mm	1.92 kg	3,0°	45 mm
C17197	265-290 mm	210-235 mm	150 mm	1.92 kg	3,0°	45 mm
C17198	265-290 mm	235-260 mm	150 mm	1.89 kg	3,0°	45 mm
C17199	270-295 mm	185-210 mm	150 mm	2.50 kg	3,0°	45 mm

Article no.	A Size range	B Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)
C17200	295-320 mm	144-160 mm	150 mm	2.53 kg	3,0°	45 mm
C17201	295-320 mm	170-192 mm	150 mm	3.00 kg	3,0°	45 mm
C17206	295-320 mm	210-235 mm	150 mm	2.34 kg	3,0°	45 mm
C17207	295-320 mm	240-265 mm	150 mm	2.50 kg	3,0°	45 mm
C17208	295-320 mm	265-290 mm	150 mm	2.50 kg	3,0°	45 mm
C17209	310-335 mm	180-205 mm	150 mm	3.25 kg	3,0°	45 mm
C17212	335-360 mm	295-320 mm	165 mm	2.90 kg	3,0°	50 mm
C17210	335-360 mm	240-265 mm	165 mm	2.88 kg	3,0°	50 mm
C17211	335-360 mm	265-290 mm	165 mm	3.50 kg	3,0°	50 mm
C17215	360-385 mm	300-325 mm	165 mm	3.00 kg	3,0°	50 mm
C17213	360-385 mm	240-265 mm	165 mm	3.50 kg	3,0°	50 mm
C17214	360-385 mm	265-290 mm	165 mm	3.50 kg	3,0° <td 50 mm	
C17038	360-385 mm	325-335 mm	160 mm	3.00 kg	3,0°	50 mm
C17228	395-420 mm	240-265 mm	165 mm	4.00 kg	3,0°	50 mm
C17242	395-420 mm	265-290 mm	165 mm	4.00 kg	3,0°	50 mm



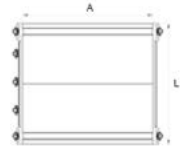
STANDARD COUPLING XL

External adaptor for connecting two piping systems with the same pipe dimensions (DN), as well as for the same or different materials and surface structures; suitable for high shear force loads; wider support area with 300 mm; differences in external diameter of more than 10 mm should be compensated with compensating rings; noise-reducing sealing lips; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.



FEATURES AND BENEFITS

- Suitable for all waste water pipes
- For horizontal and vertical installation
- Optimal for increased shear loads
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Suitable for supply/exhaust air connections over 300 mm in height/length
- Suitable for ribbed and insulated pipes



SPECIFICATION

Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Socket wrench insert	SW 8 mm
Tightening torque	10,0 Nm
Product standards	EN 681-1, EN 295-4, EN 10088-2

RESISTANCES

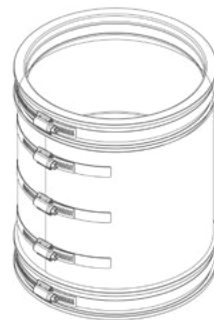
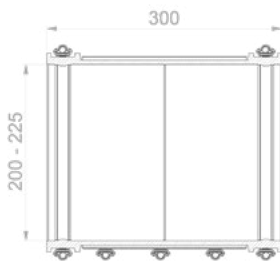
Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	Pressure density	L Length	Weight
C16900	200-225 mm	2,5 bar	300 mm	3.20 kg
C16901	265-290 mm	2,5 bar	300 mm	4.50 kg
C16902	285-310 mm	2,5 bar	300 mm	3.20 kg
C16903	295-320 mm	2,5 bar	300 mm	5.70 kg
C16904	305-335 mm	2,5 bar	300 mm	4.50 kg
C16905	315-345 mm	2,5 bar	300 mm	6.10 kg
C16906	340-360 mm	2,5 bar	300 mm	6.10 kg
C16907	355-385 mm	2,5 bar	300 mm	6.40 kg
C16908	385-410 mm	2,5 bar	300 mm	7.40 kg
C16909	400-425 mm	2,5 bar	300 mm	7.50 kg
C16910	405-430 mm	2,5 bar	300 mm	7.70 kg
C16911	420-445 mm	2,5 bar	300 mm	7.70 kg
C16912	425-450 mm	2,5 bar	300 mm	7.70 kg
C16913	435-465 mm	2,5 bar	300 mm	8.10 kg
C16914	440-470 mm	2,5 bar	300 mm	8.10 kg

Article no.	A Size range	Pressure density	L Length	Weight
C16915	465-490 mm	2,5 bar	300 mm	8.60 kg
C16916	480-510 mm	2,5 bar	300 mm	8.80 kg
C16917	495-525 mm	2,5 bar	300 mm	9.10 kg
C16918	510-540 mm	2,5 bar	300 mm	9.40 kg
C16919	520-550 mm	2,5 bar	300 mm	9.60 kg
C16920	530-560 mm	2,5 bar	300 mm	9.60 kg
C16921	540-570 mm	2,5 bar	300 mm	9.60 kg
C16922	555-580 mm	2,5 bar	300 mm	10.20 kg
C16923	570-600 mm	2,5 bar	300 mm	10.50 kg
C16924	590-620 mm	2,5 bar	300 mm	10.90 kg
C16925	620-635 mm	1,5 bar	300 mm	10.56 kg
C16926	635-650 mm	1,5 bar	300 mm	10.77 kg
C16927	650-665 mm	1,5 bar	300 mm	10.98 kg
C16928	665-680 mm	1,5 bar	300 mm	11.20 kg
C16929	680-695 mm	1,5 bar	300 mm	11.41 kg
C16930	695-710 mm	1,5 bar	300 mm	11.62 kg
C16931	710-725 mm	1,5 bar	300 mm	11.84 kg
C16932	725-740 mm	1,5 bar	300 mm	12.05 kg
C16933	740-755 mm	1,5 bar	300 mm	12.26 kg
C16934	755-770 mm	1,5 bar	300 mm	12.48 kg
C16935	770-785 mm	1,5 bar	300 mm	12.69 kg
C16936	785-800 mm	1,5 bar	300 mm	12.90 kg
C16937	800-815 mm	1,5 bar	300 mm	13.12 kg
C16938	815-830 mm	1,5 bar	300 mm	13.33 kg
C16939	830-845 mm	1,5 bar	300 mm	13.54 kg
C16940	845-860 mm	1,5 bar	300 mm	13.76 kg
C16941	860-875 mm	1,5 bar	300 mm	13.97 kg
C16942	875-890 mm	1,5 bar	300 mm	14.18 kg
C16943	890-905 mm	1,5 bar	300 mm	14.40 kg
C16944	905-920 mm	1,5 bar	300 mm	14.61 kg
C16945	920-935 mm	1,5 bar	300 mm	14.82 kg
C16946	935-950 mm	1,5 bar	300 mm	15.04 kg
C16947	950-965 mm	1,5 bar	300 mm	15.25 kg
C16948	965-980 mm	1,5 bar	300 mm	15.47 kg
C16949	980-995 mm	1,5 bar	300 mm	15.68 kg
C16950	995-1010 mm	1,0 bar	300 mm	15.89 kg
C16951	1010-1025 mm	1,0 bar	300 mm	16.11 kg
C16952	1025-1040 mm	1,0 bar	300 mm	16.32 kg
C16953	1040-1055 mm	1,0 bar	300 mm	16.53 kg
C16954	1055-1070 mm	1,0 bar	300 mm	16.75 kg
C16955	1070-1085 mm	1,0 bar	300 mm	16.96 kg
C16956	1085-1100 mm	1,0 bar	300 mm	17.17 kg
C16957	1100-1115 mm	1,0 bar	300 mm	17.39 kg
C16958	1115-1130 mm	1,0 bar	300 mm	17.60 kg
C16959	1130-1145 mm	1,0 bar	300 mm	17.81 kg

Article no.	A Size range	Pressure density	L Length	Weight
C16960	1145-1160 mm	1,0 bar	300 mm	18.03 kg
C16961	1160-1175 mm	1,0 bar	300 mm	18.24 kg
C16962	1175-1190 mm	1,0 bar	300 mm	18.45 kg
C16963	1190-1205 mm	1,0 bar	300 mm	18.67 kg
C16964	1205-1220 mm	1,0 bar	300 mm	18.88 kg
C16965	1220-1235 mm	1,0 bar	300 mm	19.09 kg
C16966	1235-1250 mm	1,0 bar	300 mm	19.31 kg
C16967	1250-1265 mm	1,0 bar	300 mm	19.52 kg
C16968	1265-1280 mm	1,0 bar	300 mm	19.73 kg
C16969	1280-1295 mm	1,0 bar	300 mm	19.95 kg
C16970	1295-1310 mm	1,0 bar	300 mm	20.16 kg
C16971	1310-1325 mm	1,0 bar	300 mm	20.37 kg
C16972	1325-1340 mm	1,0 bar	300 mm	20.59 kg
C16973	1340-1355 mm	1,0 bar	300 mm	20.80 kg
C16974	1355-1370 mm	1,0 bar	300 mm	21.02 kg
C16975	1370-1385 mm	1,0 bar	300 mm	21.23 kg
C16873	1385-1400 mm	0,6 bar	300 mm	21.44 kg
C16874	1400-1415 mm	0,6 bar	300 mm	21.66 kg
C16875	1415-1430 mm	0,6 bar	300 mm	21.87 kg
C16876	1430-1445 mm	0,6 bar	300 mm	22.08 kg
C16877	1445-1460 mm	0,6 bar	300 mm	22.30 kg
C16878	1460-1475 mm	0,6 bar	300 mm	22.51 kg
C16879	1475-1490 mm	0,6 bar	300 mm	22.72 kg
C16880	1490-1505 mm	0,6 bar	300 mm	22.94 kg
C16881	1505-1520 mm	0,6 bar	300 mm	23.15 kg
C16882	1520-1535 mm	0,6 bar	300 mm	23.36 kg
C16883	1535-1550 mm	0,6 bar	300 mm	23.58 kg
C16884	1550-1565 mm	0,6 bar	300 mm	23.79 kg
C16885	1565-1580 mm	0,6 bar	300 mm	24.00 kg
C16886	1580-1595 mm	0,6 bar	300 mm	24.22 kg
C16887	1595-1610 mm	0,6 bar	300 mm	24.43 kg
C16888	1610-1625 mm	0,6 bar	300 mm	24.64 kg
C16889	1625-1640 mm	0,6 bar	300 mm	24.86 kg
C16890	1640-1655 mm	0,6 bar	300 mm	25.07 kg
C16891	1655-1670 mm	0,6 bar	300 mm	25.28 kg
C16892	1670-1685 mm	0,6 bar	300 mm	25.50 kg
C16893	1685-1700 mm	0,6 bar	300 mm	25.71 kg
C16894	1700-1715 mm	0,6 bar	300 mm	25.93 kg
C16895	1715-1730 mm	0,6 bar	300 mm	26.14 kg
C16896	1730-1745 mm	0,6 bar	300 mm	26.35 kg
C16897	1745-1760 mm	0,6 bar	300 mm	26.57 kg
C16898	1760-1775 mm	0,6 bar	300 mm	26.78 kg
C16899	1775-1790 mm	0,6 bar	300 mm	26.99 kg
C16976	1790-1805 mm	-	300 mm	27.21 kg
C16977	1805-1820 mm	-	300 mm	27.42 kg

Article no.	A Size range	Pressure density	L Length	Weight
C16978	1820-1835 mm	-	300 mm	27.63 kg
C16979	1835-1850 mm	-	300 mm	27.85 kg
C16980	1850-1865 mm	-	300 mm	28.06 kg
C16981	1865-1880 mm	-	300 mm	28.27 kg
C16982	1880-1895 mm	-	300 mm	28.49 kg
C16983	1895-1910 mm	-	300 mm	28.70 kg
C16984	1910-1925 mm	-	300 mm	28.91 kg
C16985	1925-1940 mm	-	300 mm	29.13 kg
C16986	1940-1955 mm	-	300 mm	29.34 kg
C16987	1955-1970 mm	-	300 mm	29.55 kg
C16988	1970-1985 mm	-	300 mm	29.77 kg
C16989	1985-2000 mm	-	300 mm	29.98 kg



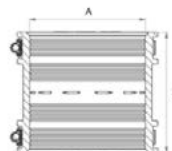
DRAIN COUPLING

External adaptor for connecting two piping systems with the same pipe dimensions (DN), as well as for the same or different materials and surface structures; noise-reducing sealing lips; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.



FEATURES AND BENEFITS

- Suitable for all waste water pipes
- Durable and maintenance-free connection
- For horizontal and vertical installation
- Noise-reducing sealing element
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Connections in the condensate drain area
- Suitable for supply/exhaust air connections
- Suitable for ribbed and insulated pipes



SPECIFICATION

Pressure density	0.6 bar / 8.7 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Socket wrench insert	SW 8 mm
Product standards	EN 681-1, EN 295-4

RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)	Tightening torque
C14048	24-32 mm	68 mm	0.10 kg	5,0°	22 mm	6,0 Nm
C14043	30-35 mm	70 mm	0.11 kg	5,0°	22 mm	6,0 Nm
C14047	32-40 mm	68 mm	0.11 kg	5,0°	22 mm	6,0 Nm
C14044	38-43 mm	70 mm	0.12 kg	5,0°	22 mm	6,0 Nm
C14023	40-50 mm	80 mm	0.19 kg	5,0°	25 mm	6,0 Nm
C14045	48-56 mm	80 mm	0.14 kg	5,0°	25 mm	6,0 Nm
C14024	50-65 mm	90 mm	0.25 kg	5,0°	25 mm	6,0 Nm
C14046	60-68 mm	80 mm	0.19 kg	5,0°	25 mm	6,0 Nm
C14025	65-76 mm	110 mm	0.21 kg	5,0°	35 mm	6,0 Nm
C11019	70-85 mm	120 mm	0.41 kg	5,0°	35 mm	6,0 Nm
C14027	80-95 mm	120 mm	0.40 kg	5,0°	35 mm	6,0 Nm
C14057	85-100 mm	100 mm	0.45 kg	5,0°	30 mm	6,0 Nm
C11018	100-116 mm	120 mm	0.56 kg	5,0°	35 mm	6,0 Nm
C14029	110-125 mm	120 mm	0.60 kg	5,0°	35 mm	6,0 Nm
C14030	120-137 mm	120 mm	0.63 kg	5,0°	35 mm	6,0 Nm
C14031	135-150 mm	120 mm	0.69 kg	5,0°	35 mm	6,0 Nm
C14056	140-165 mm	120 mm	0.70 kg	5,0°	35 mm	6,0 Nm

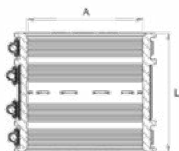
Article no.	A Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)	Tightening torque
C14032	150-170 mm	120 mm	0.72 kg	5,0°	35 mm	6,0 Nm
C16202	160-175 mm	120 mm	0.80 kg	5,0°	35 mm	6,0 Nm
C16203	170-185 mm	120 mm	0.81 kg	5,0°	35 mm	6,0 Nm
C16159	180-195 mm	120 mm	0.82 kg	5,0°	35 mm	6,0 Nm
C16204	200-215 mm	150 mm	1.18 kg	5,0°	45 mm	6,0 Nm
C16205	210-225 mm	150 mm	1.02 kg	5,0°	45 mm	6,0 Nm
C16644	235-250 mm	150 mm	1.20 kg	5,0°	45 mm	6,0 Nm
C16145	250-265 mm	150 mm	1.22 kg	3,0°	45 mm	10,0 Nm
C16146	260-275 mm	150 mm	1.46 kg	3,0°	50 mm	10,0 Nm



STANDARD COUPLING



External adaptor for connecting two piping systems with the same pipe dimensions (DN), as well as for the same or different materials and surface structures; suitable for high shear force loads; differences in external diameter of more than 10 mm should be compensated with compensating rings; noise-reducing sealing lips; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.



FEATURES AND BENEFITS

- Suitable for all waste water pipes
- Tested quality up to 2.5 bar
- For horizontal and vertical installation
- Optimal for increased shear loads
- UV-resistant, suitable for underground and flush-mounted installation
- Disposal and supply of service water
- Connections in the condensate drain area
- Suitable for supply/exhaust air connections
- Suitable for ribbed and insulated pipes

SPECIFICATION

Pressure density	2.5 bar / 36.3 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Socket wrench insert	SW 8 mm
Product standards	EN 681-1, EN 295-4, EN 10088-2

RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

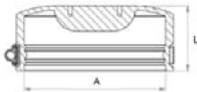
Article no.	A Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)	Tightening torque
C14033	50-65 mm	90 mm	0.32 kg	5,0°	35 mm	6,0 Nm
C14034	65-76 mm	110 mm	0.43 kg	5,0°	45 mm	6,0 Nm
C14035	70-85 mm	120 mm	0.50 kg	5,0°	50 mm	6,0 Nm
C14036	80-95 mm	120 mm	0.53 kg	5,0°	50 mm	6,0 Nm
C14058	85-100 mm	100 mm	0.55 kg	5,0°	40 mm	6,0 Nm
C14037	100-116 mm	120 mm	0.70 kg	5,0°	50 mm	6,0 Nm
C14038	110-121 mm	120 mm	0.61 kg	5,0°	50 mm	6,0 Nm
C14109	110-125 mm	120 mm	0.77 kg	5,0°	50 mm	6,0 Nm
C14039	120-137 mm	120 mm	0.66 kg	5,0°	50 mm	6,0 Nm
C14040	135-150 mm	120 mm	0.78 kg	5,0°	50 mm	6,0 Nm
C14041	140-165 mm	120 mm	0.86 kg	5,0°	50 mm	6,0 Nm
C14042	150-170 mm	120 mm	0.90 kg	5,0°	50 mm	6,0 Nm
C16216	160-185 mm	120 mm	0.95 kg	5,0°	50 mm	6,0 Nm
C16217	175-200 mm	150 mm	1.25 kg	5,0°	60 mm	6,0 Nm
C16218	190-215 mm	150 mm	1.48 kg	5,0°	60 mm	10,0 Nm
C16219	200-225 mm	150 mm	1.50 kg	5,0°	60 mm	10,0 Nm
C16220	225-250 mm	150 mm	1.56 kg	5,0°	60 mm	10,0 Nm
C16110	240-265 mm	150 mm	1.62 kg	3,0°	60 mm	10,0 Nm
C16221	250-275 mm	150 mm	1.98 kg	3,0°	60 mm	10,0 Nm
C16222	265-290 mm	150 mm	1.70 kg	3,0°	60 mm	10,0 Nm
C16223	285-310 mm	190 mm	2.28 kg	3,0°	70 mm	10,0 Nm
C16224	295-320 mm	190 mm	3.04 kg	3,0°	70 mm	10,0 Nm
C16225	305-335 mm	190 mm	3.32 kg	3,0°	70 mm	10,0 Nm
C16226	315-345 mm	190 mm	3.50 kg	3,0°	70 mm	10,0 Nm
C16227	340-360 mm	190 mm	3.51 kg	3,0°	70 mm	10,0 Nm
C16192	355-385 mm	190 mm	3.65 kg	3,0°	70 mm	10,0 Nm
C16229	385-410 mm	190 mm	3.97 kg	3,0°	70 mm	13,0 Nm
C16111	400-425 mm	190 mm	4.30 kg	3,0°	70 mm	13,0 Nm
C16230	405-430 mm	190 mm	4.40 kg	3,0°	70 mm	13,0 Nm
C16231	420-445 mm	190 mm	4.40 kg	3,0°	70 mm	13,0 Nm
C16645	425-450 mm	190 mm	4.40 kg	3,0°	70 mm	13,0 Nm
C16232	435-465 mm	190 mm	4.60 kg	3,0°	70 mm	13,0 Nm
C16646	440-470 mm	190 mm	4.60 kg	3,0°	70 mm	13,0 Nm
C16233	465-490 mm	190 mm	4.90 kg	3,0°	70 mm	13,0 Nm
C16234	480-510 mm	190 mm	5.00 kg	3,0°	70 mm	13,0 Nm
C16235	495-525 mm	190 mm	5.20 kg	3,0°	70 mm	13,0 Nm
C16236	510-540 mm	190 mm	5.20 kg	3,0°	70 mm	13,0 Nm
C16647	520-550 mm	190 mm	5.50 kg	3,0°	70 mm	13,0 Nm
C16237	530-560 mm	190 mm	5.50 kg	3,0°	70 mm	13,0 Nm
C16238	540-570 mm	190 mm	5.50 kg	3,0°	70 mm	13,0 Nm
C16648	555-580 mm	190 mm	5.80 kg	3,0°	70 mm	13,0 Nm
C16239	570-600 mm	190 mm	6.00 kg	3,0°	70 mm	13,0 Nm
C16240	590-620 mm	190 mm	6.20 kg	1,7°	70 mm	13,0 Nm
C16762	620-635 mm	190 mm	7.20 kg	1,7°	70 mm	13,0 Nm
C16778	635-650 mm	190 mm	7.40 kg	1,7°	70 mm	20,0 Nm
C16779	650-665 mm	190 mm	7.40 kg	1,7°	70 mm	20,0 Nm

Article no.	A Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)	Tightening torque
C16780	665-680 mm	190 mm	7.70 kg	1,7°	70 mm	20,0 Nm
C16781	680-695 mm	190 mm	7.80 kg	1,7°	70 mm	20,0 Nm
C16783	695-710 mm	190 mm	8.00kg	1,7°	70 mm	20,0 Nm
C16784	710-725 mm	190 mm	8.20 kg	1,7°	70 mm	20,0 Nm
C16786	725-740 mm	190 mm	8.30 kg	1,7°	70 mm	20,0 Nm
C16787	740-755 mm	190 mm	8.50 kg	1,7°	70 mm	20,0 Nm
C16788	755-770 mm	190 mm	8.70 kg	1,7°	70 mm	20,0 Nm
C16789	770-785 mm	190 mm	8.80 kg	1,7°	70 mm	20,0 Nm
C16790	785-800 mm	190 mm	9.10 kg	1,7°	70 mm	20,0 Nm
C16792	800-815 mm	190 mm	9.20 kg	1,7°	70 mm	20,0 Nm
C16793	815-830 mm	190 mm	9.30 kg	1,7°	70 mm	20,0 Nm
C16794	830-845 mm	190 mm	9.50 kg	1,7°	70 mm	20,0 Nm
C16796	845-860 mm	190 mm	9.70 kg	1,7°	70 mm	20,0 Nm
C16797	860-875 mm	190 mm	9.80 kg	1,7°	70 mm	20,0 Nm
C16760	875-890 mm	190 mm	10.00 kg	1,7°	70 mm	20,0 Nm
C16798	890-905 mm	190 mm	10.10 kg	1,7°	70 mm	20,0 Nm
C16800	905-920 mm	190 mm	10.30 kg	1,7°	70 mm	20,0 Nm
C16801	920-935 mm	190 mm	10.50 kg	1,7°	70 mm	20,0 Nm
C16802	935-950 mm	190 mm	10.60 kg	1,7°	70 mm	20,0 Nm
C16803	950-965 mm	190 mm	10.80 kg	1,7°	70 mm	20,0 Nm
C16805	965-980 mm	190 mm	11.00 kg	1,7°	70 mm	20,0 Nm
C16806	980-995 mm	190 mm	11.30 kg	1,7°	70 mm	20,0 Nm
C16807	995-1010 mm	190 mm	11.30 kg	1,7°	70 mm	20,0 Nm
C16808	1010-1025 mm	190 mm	11.10 kg	1,7°	70 mm	25,0 Nm
C16809	1025-1040 mm	190 mm	11.60 kg	0,6°	70 mm	25,0 Nm
C16810	1040-1055 mm	190 mm	11.80 kg	0,6°	70 mm	25,0 Nm
C16811	1055-1070 mm	190 mm	12.00 kg	0,6°	70 mm	25,0 Nm
C16812	1070-1085 mm	190 mm	12.10 kg	0,6°	70 mm	25,0 Nm
C16813	1085-1100 mm	190 mm	12.30 kg	0,6°	70 mm	25,0 Nm
C16761	1100-1115 mm	190 mm	12.50 kg	0,6°	70 mm	25,0 Nm
C16814	1115-1130 mm	190 mm	12.60 kg	0,6°	70 mm	25,0 Nm
C16815	1130-1145 mm	190 mm	12.80 kg	0,6°	70 mm	25,0 Nm
C16816	1145-1160 mm	190 mm	12.90 kg	0,6°	70 mm	25,0 Nm
C16817	1160-1175 mm	190 mm	13.10 kg	0,6°	70 mm	25,0 Nm
C16818	1175-1190 mm	190 mm	13.30 kg	0,6°	70 mm	25,0 Nm
C16819	1190-1205 mm	190 mm	13.40 kg	0,6°	70 mm	25,0 Nm
C16820	1205-1220 mm	190 mm	13.60 kg	0,6°	70 mm	25,0 Nm
C16821	1220-1235 mm	190 mm	13.80 kg	0,6°	70 mm	25,0 Nm
C16822	1235-1250 mm	190 mm	13.90 kg	0,6°	70 mm	25,0 Nm
C16823	1250-1265 mm	190 mm	14.10 kg	0,6°	70 mm	25,0 Nm
C16824	1265-1280 mm	190 mm	14.30 kg	0,6°	70 mm	25,0 Nm
C16825	1280-1295 mm	190 mm	14.40 kg	0,6°	70 mm	25,0 Nm
C16826	1295-1310 mm	190 mm	14.60 kg	0,6°	70 mm	25,0 Nm
C16827	1310-1325 mm	190 mm	14.80 kg	0,6°	70 mm	25,0 Nm
C16828	1325-1340 mm	190 mm	14.80 kg	0,6°	70 mm	25,0 Nm
C16829	1340-1355 mm	190 mm	15.10 kg	0,6°	70 mm	25,0 Nm
C16830	1355-1370 mm	190 mm	15.30 kg	0,6°	70 mm	25,0 Nm
C16832	1370-1385 mm	190 mm	15.40 kg	0,6°	70 mm	25,0 Nm

Article no.	A Size range	L Length	Weight	Angular deviation (max.)	Insertion depth (min.)	Tightening torque
C16831	1385-1400 mm	190 mm	15.60 kg	0,6°	70 mm	25,0 Nm
C16833	1400-1415 mm	190 mm	15.80 kg	0,6°	70 mm	25,0 Nm
C16834	1415-1430 mm	190 mm	15.90 kg	0,6°	70 mm	25,0 Nm
C16835	1430-1445 mm	190 mm	16.10 kg	0,6°	70 mm	25,0 Nm
C16836	1445-1460 mm	190 mm	16.20 kg	0,6°	70 mm	25,0 Nm
C16837	1460-1475 mm	190 mm	16.40 kg	0,6°	70 mm	25,0 Nm
C16838	1475-1490 mm	190 mm	16.60 kg	0,6°	70 mm	25,0 Nm
C16839	1490-1505 mm	190 mm	16.70 kg	0,6°	70 mm	25,0 Nm
C16840	1505-1520 mm	190 mm	16.90 kg	0,6°	70 mm	25,0 Nm
C16841	1520-1535 mm	190 mm	17.10 kg	0,6°	70 mm	25,0 Nm
C16842	1535-1550 mm	190 mm	17.20 kg	0,6°	70 mm	25,0 Nm
C16843	1550-1565 mm	190 mm	17.40 kg	0,6°	70 mm	25,0 Nm
C16844	1565-1580 mm	190 mm	17.60 kg	0,6°	70 mm	25,0 Nm
C16845	1580-1595 mm	190 mm	17.70 kg	0,6°	70 mm	25,0 Nm
C16846	1595-1610 mm	190 mm	17.90 kg	0,6°	70 mm	25,0 Nm
C16847	1610-1625 mm	190 mm	18.10 kg	0,6°	70 mm	25,0 Nm
C16848	1625-1640 mm	190 mm	18.20 kg	0,6°	70 mm	25,0 Nm
C16849	1640-1655 mm	190 mm	18.40 kg	0,6°	70 mm	25,0 Nm
C16850	1655-1670 mm	190 mm	18.60 kg	0,6°	70 mm	25,0 Nm
C16851	1670-1685 mm	190 mm	18.40 kg	0,6°	70 mm	25,0 Nm
C16852	1685-1700 mm	190 mm	18.90 kg	0,6°	70 mm	25,0 Nm
C16853	1700-1715 mm	190 mm	19.00 kg	0,6°	70 mm	25,0 Nm
C16854	1715-1730 mm	190 mm	19.20 kg	0,6°	70 mm	25,0 Nm
C16855	1730-1745 mm	190 mm	19.40 kg	0,6°	70 mm	25,0 Nm
C16856	1745-1760 mm	190 mm	19.50 kg	0,6°	70 mm	25,0 Nm
C16857	1760-1775 mm	190 mm	19.70 kg	0,6°	70 mm	25,0 Nm
C16858	1775-1790 mm	190 mm	19.90 kg	0,6°	70 mm	25,0 Nm
C16859	1790-1805 mm	190 mm	20.10 kg	0,6°	70 mm	25,0 Nm
C16860	1805-1820 mm	190 mm	20.20 kg	0,6°	70 mm	25,0 Nm
C16861	1820-1835 mm	190 mm	20.40 kg	0,6°	70 mm	25,0 Nm
C16862	1835-1850 mm	190 mm	20.60 kg	0,6°	70 mm	25,0 Nm
C16863	1850-1865 mm	190 mm	20.70 kg	0,6°	70 mm	25,0 Nm
C16864	1865-1880 mm	190 mm	20.80 kg	0,6°	70 mm	25,0 Nm
C16865	1880-1895 mm	190 mm	21.00 kg	0,6°	70 mm	25,0 Nm
C16866	1895-1910 mm	190 mm	21.20 kg	0,6°	70 mm	25,0 Nm
C16867	1910-1925 mm	190 mm	21.40 kg	0,6°	70 mm	25,0 Nm
C16868	1925-1940 mm	190 mm	21.50 kg	0,6°	70 mm	25,0 Nm
C16869	1940-1955 mm	190 mm	21.70 kg	0,6°	70 mm	25,0 Nm
C16870	1955-1970 mm	190 mm	21.90 kg	0,6°	70 mm	25,0 Nm
C16871	1970-1985 mm	190 mm	22.00 kg	0,6°	70 mm	25,0 Nm
C16872	1985-2000 mm	190 mm	22.20 kg	0,6°	70 mm	25,0 Nm



END CAPS



External end cap for sealing pipes with spigot end; suitable for permanent or temporary closure, suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material.

FEATURES AND BENEFITS

- Suitable for all waste water pipes
- Axial and radial pressure distribution
- For horizontal and vertical installation
- Closure in the condensate drain area
- UV-resistant, suitable for underground and flush-mounted installation
- Tested quality up to 0.6 bar
- Closure for supply/exhaust air
- Suitable for ribbed and insulated pipes

SPECIFICATION

Pressure density	0.6 bar / 8.7 PSI
Socket wrench insert	SW 8 mm
Tightening torque	6,0 Nm
Product standards	EN 681-1

RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	L Length	Weight
C15756	28-36 mm	40 mm	0.07 kg
C15074	37-45 mm	40 mm	0.08 kg
C15757	45-56 mm	40 mm	0.09 kg
C15075	58-68 mm	40 mm	0.11 kg
C15758	67-76 mm	40 mm	0.12 kg
C15759	76-85 mm	44 mm	0.15 kg
C15076	82-92 mm	44 mm	0.15 kg
C15077	105-115 mm	54 mm	0.22 kg
C15078	125-135 mm	54 mm	0.29 kg
C15079	155-165 mm	54 mm	0.40 kg
C18761	180-190 mm	54 mm	0.61 kg
C18762	200-215 mm	54 mm	1.02 kg
C15767	235-250 mm	54 mm	0.80 kg
C15768	255-270 mm	54 mm	0.80 kg
C15769	300-315 mm	54 mm	1.00 kg
C15770	345-360 mm	54 mm	1.23 kg



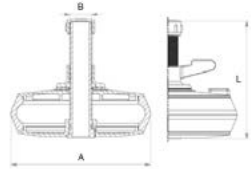
INSIDE END CAPS PVC

Internal quick-release plug for sealing a piping system; suitable for permanent or temporary closure; wing nut for tightening; hollow screw also serves as a test connection for water pressure testing; suitable for horizontal or vertical installation; UV and weather-resistant material.



FEATURES AND BENEFITS

- Suitable for all pipes
- Multiple use possible
- For horizontal and vertical installation
- Closure in the condensate drain area
- UV-resistant, suitable for underground and flush-mounted installation
- Incl. test / drain valve
- Closure for supply/exhaust air
- Suitable for ribbed and insulated pipes
- Aluminum plug ideal for pressure tests



SPECIFICATION

Pressure density 0.5 bar / 7.3 PSI
 Product standards EN 681-1

RESISTANCES

Heat resistant 95 °C
 Cold resistant -40 °C
 UV resistant ✓
 Suitable for soil ✓
 Flush-mounting suited ✓

Article no.	A Size range	B Test connection	L Length	Weight
C18645	23-32 mm	-	60 mm	0.04 kg
C18646	31-42 mm	-	70 mm	0.05 kg
C18647	37-54 mm	1/2 Inch	100 mm	0.06 kg
C18637	48-65 mm	1/2 Inch	100 mm	0.07 kg
C18638	60-77 mm	1/2 Inch	100 mm	0.11 kg
C18639	70-87 mm	1/2 Inch	100 mm	0.12 kg
C18640	83-97 mm	1/2 Inch	100 mm	0.12 kg
C18641	95-110 mm	1/2 Inch	100 mm	0.14 kg
C18642	114-130 mm	1/2 Inch	100 mm	0.22 kg
C18643	118-142 mm	1/2 Inch	100 mm	0.22 kg
C18644	148-162 mm	1/2 Inch	100 mm	0.30 kg



INSIDE END CAPS



Internal quick-release plug for sealing a piping system; suitable for permanent or temporary closure; wing nut for tightening; hollow screw also serves as a test connection for water pressure testing; suitable for horizontal or vertical installation; UV and weather-resistant material.

FEATURES AND BENEFITS

- Suitable for all pipes
- Multiple use possible
- For horizontal and vertical installation
- Closure in the condensate drain area
- UV-resistant, suitable for underground and flush-mounted installation
- Incl. test / drain valve
- Closure for supply/exhaust air
- Suitable for ribbed and insulated pipes
- Aluminum plug ideal for pressure tests

SPECIFICATION

Pressure density	0.5 bar / 7.3 PSI
Product standards	EN 681-1

RESISTANCES

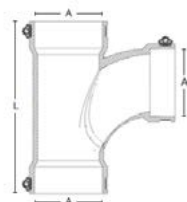
Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	B Test connection	L Length	Weight
C18619	37-48 mm	1/2 Inch	100 mm	0.15 kg
C18620	48-62 mm	1/2 Inch	100 mm	0.16 kg
C18621	62-70 mm	1/2 Inch	100 mm	0.20 kg
C18622	71-87 mm	1/2 Inch	100 mm	0.25 kg
C18623	89-94 mm	1/2 Inch	100 mm	0.27 kg
C18624	94-108 mm	1/2 Inch	100 mm	0.34 kg
C18625	108-120 mm	1/2 Inch	100 mm	0.48 kg
C18626	121-137 mm	1/2 Inch	100 mm	0.57 kg
C18627	148-165 mm	1/2 Inch	100 mm	0.70 kg
C18628	175-185 mm	1 Inch	150 mm	1.34 kg
C18629	180-205 mm	1 Inch	150 mm	1.52 kg
C18630	213-230 mm	1 Inch	150 mm	1.50 kg
C18631	240-255 mm	1 Inch	150 mm	1.70 kg
C18632	298-315 mm	1 Inch	250 mm	3.00 kg



FLEXIBLE BRANCH

Branch with T-angle (90°) for connecting two piping systems with the same pipe dimensions (DN), as well as for the same or different materials and surface structures; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material; noise-reducing.



FEATURES AND BENEFITS

- Suitable for all pipes
- Multiple use possible
- For horizontal and vertical installation
- UV-resistant, suitable for underground and flush-mounted installation
- Suitable for supply/exhaust air
- Suitable for ribbed and insulated pipes

SPECIFICATION

Pressure density	0.6 bar / 8.7 PSI
Vacuum pressure density	-0,3 bar
High-pressure flushing resistance	120 bar
Socket wrench insert	SW 8 mm
Tightening torque	6,0 Nm
Product standards	EN 681-1

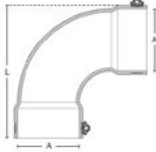
RESISTANCES

Heat resistant	120 °C
Cold resistant	-40 °C
UV resistant	✓
Suitable for soil	✓
Flush-mounting suited	✓

Article no.	A Size range	L Length	Weight
C15082	30-38 mm	120 mm	0.18 kg
C15070	40-50 mm	135 mm	0.22 kg
C15071	50-60 mm	150 mm	0.28 kg
C15072	78-90 mm	205 mm	0.59 kg
C15073	106-118 mm	260 mm	0.93 kg



FLEXIBLE BEND



90-degree bend for connecting two piping systems with the same pipe dimensions (DN), as well as for the same or different materials and surface structures; suitable for horizontal or vertical installation; suitable for use in plaster, concrete, and soil; UV and weather-resistant material; noise-reducing.

FEATURES AND BENEFITS

- Pressure density 0.6 bar / 8.7 PSI
- Vacuum pressure density -0,3 bar
- High-pressure flushing resistance 120 bar
- Socket wrench insert SW 8 mm
- Tightening torque 6,0 Nm
- Product standards EN 681-1

SPECIFICATION

- Pressure density 0.5 bar / 7.3 PSI
- Product standards EN 681-1

RESISTANCES

- Heat resistant 120 °C
- Cold resistant -40 °C
- UV resistant ✓
- Suitable for soil ✓
- Flush-mounting suited ✓

Article no.	A Size range	L Length	Weight
C15081	30-38 mm	80 mm	0.12 kg
C15066	40-50 mm	100 mm	0.16 kg
C15067	50-60 mm	110 mm	0.20 kg
C15068	78-90 mm	160 mm	0.41 kg
C15069	106-118 mm	220 mm	0.68 kg





gebo press

**PRESSFITTING -
MADE OF STAINLESS STEEL**

KÖNYÖK – 316L rozsdamentes acél



ELBOW

P. 454



TEE

P. 456



COUPLING

P. 459



ADAPTOR

P. 464



CAP

P. 465



ELBOW ADAPTOR

P. 465

PRESSFITTING – Made of stainless steel - 316L**APPLICABLE FIELDS:**

Hot/cold drinking water, heating Systems, Compressed air

PROFILE:

M Contour

MATERIAL:

stainless steel (316L)

SEALING:

EPDM

MEDIA:

water, compressed air

PRESSURE:

For water 16 bar,

TEMPERATURE:

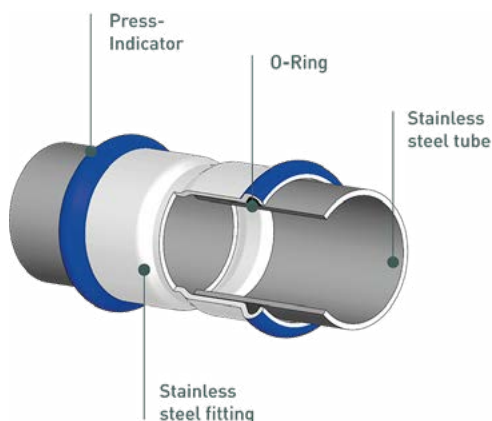
For water -18 °C to 110 °C

CONNECTION STANDARD:

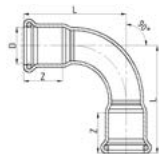
For stainless steel tubes in compliance with EN10312 (series 1 or series 2)

CERTIFICATION:

DVGW Certificate for drinkingwater applications for 15-108 mm



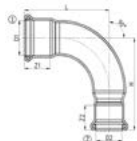
ELBOW GROUP - Made of stainless steel - 316L



GEBOPRESS 90° ELBOW

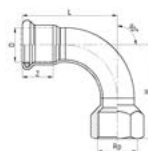
Dimension D [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P02A-BME	49	20	0,0552	40
18	6P02A-CME	53	20	0,0702	20
22	6P02A-DME	62	21	0,0988	20
22	6P02A-EME	72	23	0,1425	10
35	6P02A-FME	85	26	0,2074	5
42	6P02A-GME	110	30	0,3294	5
54	6P02A-HME	134	35	0,5119	2
76,1	6P02A-JME*	188	53	1,3504	1
88,9	6P02A-KME*	218	60	1,8268	1
108	6P02A-LME*	260	75	2,6461	1

* Sizes on request



GEBOPRESS REDUCING 90° ELBOW

Dimension D1 x D2 [MM]	Code	L [MM]	H [MM]	Z1 [MM]	Z2 [MM]	Weight [KG]	PCS per Bag
22 x 18	6P002-DCME	54	55	21	20	0,0947	15
28 x 22	6P002-EDME	64	66	23	21	0,14	10
35 x 28	6P002-FEME	75	80	26	23	0,2003	5
42 x 35	6P002-GFME	89	91,5	30	26	0,3112	5
54 x 42	6P002-HGME	108	115	35	30	0,49	2

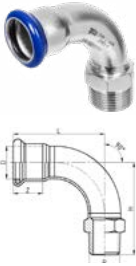


GEBOPRESS 90° ELBOW WITH FEMALE THREAD

Dimension D [MM] x Rp	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
18 x 1/2"	6P002-C04ME	51	48,5	20	0,1003	25
22 x 3/4"	6P002-D05ME	54	52	21	0,13	15
28 x 1"	6P002-E06ME	64	66	23	0,1878	10
35 x 1 1/4"	6P002-F07ME	75	73,5	26	0,2765	6
42 x 1 1/2"	6P002-G08ME	89	83	30	0,40	4
54 x 2"	6P002-H09ME*	108	101	35	0,66	2

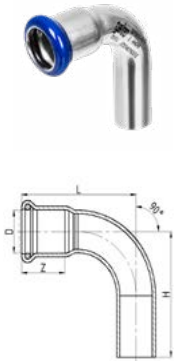
* Sizes on request

ELBOW GROUP – Made of stainless steel – 316L



GEBOPRESS 90° ELBOW WITH MALE THREAD

Dimension D [MM] x R	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
22 x 3/4"	6P001-D05ME	54	55,5	21	0,1235	20
28 x 1"	6P001-E06ME	64	69	23	0,1875	10
35 x 1 1/4"	6P001-F07ME	75	77,5	26	0,2699	6
42 x 1 1/2"	6P001-G08ME	89	89	30	0,3993	4
54 x 2"	6P001-H09ME	108	108	35	0,6346	2



GEBOPRESS 90° ELBOW WITH PLAIN END

Dimension D [MM]	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P001-BME	43	44	20	0,0488	45
18	6P001-CME	52	59	20	0,0678	30
22	6P001-DME	60	67	21	0,0966	25
28	6P001-EME	71	78	23	0,1404	10
35	6P001-FME	84	120	26	0,2396	5
42	6P001-GME	110	140	30	0,3555	5
54	6P001-HME	136	165	35	0,5454	4
76,1	6P001-JME*	188	247	53	1,5002	1
88,9	6P001-KME*	218	292	60	2,0598	1
108	6P001-LME*	258	358	75	3,0399	1

* Sizes on request



GEBOPRESS 45° ELBOW

Dimension D [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P041-BME	32	20	0,0444	50
18	6P041-CME	34	20	0,0569	40
22	6P041-DME	42	21	0,0794	25
28	6P041-EME	48	23	0,1109	15
35	6P041-FME	53	26	0,1552	10
42	6P041-GME	65	30	0,2236	5
54	6P041-HME	78	35	0,3371	5
76,1	6P041-JME*	123	53	1,0191	1
88,9	6P041-KME*	139	60	1,3649	1
108	6P041-LME*	164	75	1,981	1

* Sizes on request

ELBOW GROUP - Made of stainless steel - 316L



GEBOPRESS 45° ELBOW WITH PLAIN END

Dimension D [MM]	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P040-BME	32	40	20	0,0384	50
18	6P040-CME	36	41	20	0,0531	35
22	6P040-DME	42	47	21	0,0763	20
28	6P040-EME	48	53	23	0,1086	13
35	6P040-FME	53	79	26	0,1762	7
42	6P040-GME	63	97	30	0,3555	5
54	6P040-HME	76	125	35	0,5454	5
76,1	6P040-JME	123	188	53	1,5002	1
88,9	6P040-KME	139	225	60	2,0598	1
108	6P040-LME	164	275	75	3,0399	1

TEE GROUP - Made of stainless steel - 316L

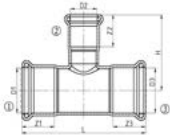


GEBOPRESS EQUAL TEE

Dimension D [MM]	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 15 x 15	6P130-BME	67	33,5	20	0,0638	25
18 x 18 x 18	6P130-CME	68	42	20	0,0804	20
22 x 22 x 22	6P130-DME	74	45	21	0,1063	15
28 x 28 x 28	6P130-EME	84	52	23	0,1455	10
35 x 35 x 35	6P130-FME	98	58	26	0,1992	5
42 x 42 x 42	6P130-GME	112	63	30	0,2729	3
54 x 54 x 54	6P130-HME	136	78	35	0,4125	5
76.1 x 76.1 x 76.1	6P130-JME*	230	108	53	1,2604	1
88.9 x 88.9 x 88.9	6P130-KME*	260	125	60	1,6826	1
108 x 108 x 108	6P130-LME*	310	147	75	2,4573	1

* Sizes on request

TEE GROUP – Made of stainless steel – 316L

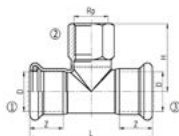


GEBOPRESS REDUCING TEE

Dimension D1 x D2 x D3 [MM]	Code	L [MM]	H [MM]	Z1 [MM]	Z2 [MM]	Z3 [MM]	Weight [KG]	PCS per Bag
18 x 15 x 18	6P130-CBCME	68	35	20	20	20	0,0726	20
22 x 15 x 22	6P130-DBDME	74	37,5	21	20	21	0,0919	10
22 x 18 x 22	6P130-DCDME	74	44	21	20	21	0,0992	15
28 x 15 x 28	6P130-EBEME	84	40,5	23	20	23	0,1201	10
28 x 18 x 28	6P130-ECEME	84	47	23	20	23	0,13	10
28 x 22 x 28	6P130-EDEME	84	48	23	21	23	0,1342	10
35 x 15 x 35	6P130-FBFME	98	43	26	20	26	0,1604	5
35 x 18 x 35	6P130-FCFME	98	49,5	26	20	26	0,1605	5
35 x 22 x 35	6P130-FDFME	98	50,5	26	21	26	0,1744	5
35 x 28 x 35	6P130-FEFME	98	54,5	26	23	26	0,1853	5
42 x 15 x 42	6P130-GBGME	112	46,5	30	20	30	0,218	5
42 x 18 x 42	6P130-GCGME	112	53	30	20	30	0,2252	5
42 x 22 x 42	6P130-GDGME	112	54	30	21	30	0,2318	5
42 x 28 x 42	6P130-GEGME	112	58	30	23	30	0,2425	5
42 x 35 x 42	6P130-GFGME	112	61	30	26	30	0,2554	5
54 x 15 x 54	6P130-HBHME	136	52,5	35	20	35	0,323	5
54 x 18 x 54	6P130-HCHME	136	59	35	20	35	0,33	5
54 x 22 x 54	6P130-HDHME	136	60	35	21	35	0,1776	5
54 x 28 x 54	6P130-HEHME	136	64	35	23	35	0,1777	5
54 x 35 x 54	6P130-HFHME*	136	67	35	26	35	0,3595	5
54 x 42 x 54	6P130-HGHME*	136	68,5	35	30	35	0,3752	2
76.1 x 22 x 76.1	6P130-JDJME*	230	72	53	21	53	1,0105	1
76.1 x 28 x 76.1	6P130-JEJME*	230	76	53	23	53	1,0198	1
76.1 x 35 x 76.1	6P130-JFJME*	230	79,5	53	26	53	1,0311	1
76.1 x 42 x 76.1	6P130-JGJME*	230	81	53	30	53	1,0446	1
76.1 x 54 x 76.1	6P130-JHJME*	230	90,5	53	35	53	1,0751	1
88.9 x 22 x 88.9	6P130-KDKME*	260	78,5	60	21	60	1,3285	1
88.9 x 28 x 88.9	6P130-KEKME*	260	82,5	60	23	60	1,34	1
88.9 x 35 x 88.9	6P130-KFKME*	260	86	60	26	60	1,3492	1
88.9 x 42 x 88.9	6P130-KGKME*	260	87,5	60	30	60	1,3632	1
88.9 x 54 x 88.9	6P130-KHKME*	260	97	60	35	60	1,3937	1
88.9 x 76.1 x 88.9	6P130-KJKME*	260	116	60	53	60	1,58	1
108 x 22 x 108	6P130-LDLME*	310	88	75	21	75	1,9365	1
108 x 28 x 108	6P130-LELME*	310	92	75	23	75	1,9457	1
108 x 35 x 108	6P130-LFLME*	310	95,5	75	26	75	1,958	1
108 x 42 x 108	6P130-LGLME*	310	97	75	30	75	1,9712	1
108 x 54 x 108	6P130-LHLME*	310	107	75	35	75	1,9992	1
108 x 76.1 x 108	6P130-LJLME*	310	126	75	53	75	2,1846	1

* Sizes on request

TEE GROUP - Made of stainless steel - 316L



GEBOPRESS FEMALE THREAD EQUAL TEE

Dimension D [MM] x Rp x D [MM]	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 1/2" x 15	6P130-B04BME	67	33,5	20	0,0819	20
18 x 1/2" x 18	6P130-C04CME	68	35,5	20	0,1059	20
22 x 3/4" x 22	6P130-D05DME	74	39,5	21	0,1276	15
28 x 1" x 28	6P130-E06EME	84	46,5	23	0,1821	8
35 x 1 1/4" x 35	6P130-F07FME	98	50,5	26	0,2629	5
42 x 1 1/2" x 42	6P130-G08GME	112	54	30	0,35	3
54 x 2" x 54	6P130-H09HME	136	65	35	0,5538	2
18 x 3/4" x 18	6P130-C05CME	68	37,5	20	0,10	15
22 x 1/2" x 22	6P130-D04DME	74	37,5	21	0,1247	15
28 x 1/2" x 28	6P130-E04EME	84	40,5	23	0,1529	10
28 x 3/4" x 28	6P130-E05EME	84	42,5	23	0,1555	10
35 x 1/2" x 35	6P130-F04FME	98	43	26	0,1935	5
35 x 3/4" x 35	6P130-F05FME	98	45	26	0,1957	5
35 x 1" x 35	6P130-F06FME	98	49,5	26	0,2219	5
42 x 1/2" x 42	6P130-G04GME	112	46,5	30	0,2507	5
42 x 3/4" x 42	6P130-G05GME	112	48,5	30	0,2531	5
42 x 1" x 42	6P130-G06GME	112	52,5	30	0,2791	5
54 x 1/2" x 54	6P130-H04HME	136	52,5	35	0,3556	5
54 x 3/4" x 54	6P130-H05HME	136	54,5	35	0,3578	5
54 x 1" x 54	6P130-H06HME	136	58,5	35	0,3836	5
76 x 3/4" x 76	6P130-J05JME*	230	65,5	53	1,0318	1
76 x 2" x 76	6P130-J09JME*	230	77,5	53	1,2164	1
89 x 3/4" x 89	6P130-K05KME*	260	73	60	1,3498	1
89 x 2" x 89	6P130-K09KME*	260	84	60	1,535	1
108 x 3/4" x 108	6P130-L05LME*	310	82,5	75	1,9578	1
108 x 2" x 108	6P130-L09LME*	310	93,5	75	2,1405	1

* Sizes on request

TEE GROUP – Made of stainless steel – 316L



GEBOPRESS EQUAL TEE WITH MALE THREAD

Dimension D [MM] x R x D [MM]	Code	L [MM]	H [MM]	Z [MM]	Weight [KG]	PCS per Bag
18 x 1/2" x 18	6P133-C04CME	68	39,5	20	0,09	25
22 x 3/4" x 22	6P133-D05DME	74	43	21	0,1262	15
28 x 1" x 28	6P133-E06EME	84	49,5	23	0,1816	8
35 x 1 1/4" x 35	6P133-F07FME	98	54,5	26	0,26	5
42 x 1 1/2" x 42	6P133-G08GME	112	60	30	0,34	3
54 x 2" x 54	6P133-H09HME	136	72	35	0,53	2
22 x 1/2" x 22	6P133-D04DME*	74	41,5	21	0,11	15
28 x 3/4" x 28	6P133-E05EME*	84	46	23	0,15	10
35 x 1" x 35	6P133-F06FME*	98	52	26	0,22	5

* Sizes on request

COUPLING GROUP – Made of stainless steel – 316L

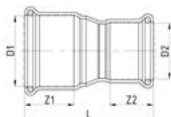


GEBOPRESS EQUAL COUPLING

Dimension D [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P272-BME	48,5	20	0,0361	60
18	6P272-CME	53	20	0,04	45
22	6P272-DME	51	21	0,06	35
28	6P272-EME	54	23	0,0724	20
35	6P272-FME	64	26	0,104	5
42	6P272-GME	73	30	0,1381	6
54	6P272-HME	85	35	0,2003	5
76,1	6P272-JM*	141	53	0,65	1
88,9	6P272-KME*	162	60	0,8685	1
108	6P272-LME*	194	75	1,2864	2

* Sizes on request

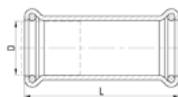
COUPLING GROUP – Made of stainless steel - 316L



GEBOPRESS REDUCING COUPLING

Dimension D1 x D2 [MM]	Code	L [MM]	Z1 [MM]	Z2 [MM]	Weight [KG]	PCS per Bag
22 x 18	6P240-DCME	57,5	21	20	0,0545	35
28 x 22	6P240-EDME	60	23	21	0,0702	20
35 x 28	6P240-FEME	69,5	26	23	0,0978	15
42 x 35	6P240-GFME	76	30	26	0,1315	10
54 x 42	6P240-HGME	93	35	30	0,20	5
76.1 x 54	6P240-JHME*	129	53	35	0,4842	2
88.9 x 54	6P240-KHME*	142	60	35	0,6222	1
88.9 x 76.1	6P240-KJME*	159	60	53	0,7902	1
108 x 54	6P240-LHME*	160	75	35	0,8653	1
108 x 88.9	6P240-LKME*	189,5	75	60	1,137	1

* Sizes on request

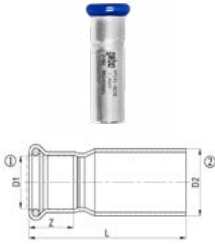


GEBOPRESS SLIP COUPLING

Dimension D [MM]	Code	L [MM]	Weight [KG]	PCS per Bag
18	6P270-CME	68	0,06	35
22	6P270-DME	74	0,0759	20
28	6P270-EME	84	0,1046	15
35	6P270-FME	98	0,1479	10
42	6P270-GME	112	0,2062	5
54	6P270-HME	136	0,3126	2
76,1	6P270-JME*	230	1,0062	2
88,9	6P270-KME*	260	1,3281	1
108	6P270-LME*	310	1,9432	1

* Sizes on request

COUPLING GROUP – Made of stainless steel - 316L

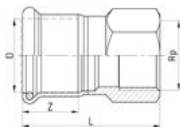


GEBOPRESS REDUCING COUPLING WITH PLAIN END

Dimension D1 x D2 [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 18	6P241-BCME	63,5	20	0,042	20
15 x 22	6P241-BDME	70,5	20	0,0535	10
18 x 22	6P241-CDME	68	20	0,0545	10
15 x 28	6P241-BEME*	76	20	0,0693	20
18 x 28	6P241-CEME*	77	20	0,073	10
22 x 28	6P241-DEME	71	21	0,073	10
15 x 35	6P241-BFME*	81	20	0,09	15
18 x 35	6P241-CFME*	83	20	0,09	15
22 x 35	6P241-DFME*	81	21	0,0981	5
28 x 35	6P241-EFME*	82,5	23	0,1044	15
15 x 42	6P241-BGME*	92,5	20	0,12	10
18 x 42	6P241-CGME*	93	20	0,12	10
22 x 42	6P241-DGME*	91,5	21	0,129	10
28 x 42	6P241-EGME*	91,5	23	0,1346	5
35 x 42	6P241-FGME	92,5	26	0,1416	5
15 x 54	6P241-BHME*	102	20	0,17	12
18 x 54	6P241-CHME*	104	20	0,18	12
22 x 54	6P241-DHME*	101	21	0,1784	5
28 x 54	6P241-EHME*	101	23	0,1839	5
35 x 54	6P241-FHME*	104	26	0,1954	5
42 x 54	6P241-GHME*	108	30	0,2092	5
42 x 76.1	6P241-GJME*	126	30	0,4052	2
54 x 76.1	6P241-HJME*	130	35	0,427	1
54 x 88.9	6P241-HKME*	139	35	0,5293	2
76.1 x 88.9	6P241-JKME*	156	53	0,6973	1
54 x 108	6P241-HLME*	161	35	0,7424	2
76.1 x 108	6P241-JLME*	179	53	0,9305	2
89 x 108	6P241-KLME*	190,5	60	1,0141	2

* Sizes on request

COUPLING GROUP - Made of stainless steel - 316L

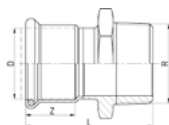


GEBOPRESS COUPLING WITH FEMALE THREAD

Dimension D [MM] x Rp	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 1/2"	6P272-B04ME	48	20	0,0535	50
18 x 1/2"	6P272-C04ME	50,5	20	0,0733	45
22 x 3/4"	6P272-D05ME	51,5	21	0,0814	35
28 x 1"	6P272-E06ME	57	23	0,1165	15
35 x 1 1/4"	6P272-F07ME	62	26	0,1723	10
42 x 1 1/2"	6P272-G08ME	67,5	30	0,2192	7
54 x 2"	6P272-H09ME	79	35	0,3604	5
76 x 2 1/2"	6P272-J10ME*	104	53	0,6839	2
15 x 3/8"	6P272-B03ME*	44	20	0,0373	50
15 x 3/4"	6P272-B05ME	50	20	0,0745	10
18 x 3/4"	6P272-C05ME	52,5	20	0,07	10
22 x 1/2"	6P272-D04ME	49,5	21	0,0764	30
22 x 1"	6P272-D06ME	55,5	21	0,113	10
28 x 3/4"	6P272-E05ME	53	23	0,1189	25
28 x 1 1/4"	6P272-E07ME	58	23	0,16	10
35 x 1"	6P272-F06ME	62	26	0,1278	15
42 x 2"	6P272-G09ME*	86	30	0,35	5
35 x 1 1/2"	6P272-F08ME*	63	26	0,1975	6
42 x 1 1/4"	6P272-G07ME*	67,5	30	0,1936	10
54 x 1 1/2"	6P272-H08ME*	74	35	0,4194	5

* Sizes on request

COUPLING GROUP – Made of stainless steel - 316L

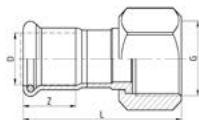


GEBOPRESS CUPLING WITH MALE THREAD

Dimension D [MM] x R	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 1/2"	6P246-B04ME	52	20	0,06	50
18 x 1/2"	6P246-C04ME	54,5	20	0,06	45
22 x 3/4"	6P246-D05ME	55	21	0,08	30
28 x 1"	6P246-E06ME	60	23	0,116	20
35 x 1 1/4"	6P246-F07ME	67	26	0,1657	10
42 x 1 1/2"	6P246-G08ME	73,5	30	0,2169	5
54 x 2"	6P246-H09ME	86	35	0,3392	5
76 x 2 1/2"	6P246-J10ME*	114	53	0,9225	1
89 x 3"	6P246-K11ME*	130	60	1,0115	1
15 x 3/8"	6P246-B03ME	49	20	0,04	50
15 x 3/4"	6P246-B05ME	53,5	20	0,0679	20
18 x 3/4"	6P246-C05ME	56	20	0,0746	35
22 x 1/2"	6P246-D04ME	53,5	21	0,077	35
22 x 1"	6P246-D06ME	58,5	21	0,107	10
28 x 3/4"	6P246-E05ME	56,5	23	0,1078	20
28 x 1 1/4"	6P246-E07ME	62	23	0,15	10
35 x 1"	6P246-F06ME*	65	26	0,1491	15
35 x 1 1/2"	6P246-F08ME*	69	26	0,21	5
42 x 1 1/4"	6P246-G07ME*	71,5	30	0,1792	5
54 x 1 1/2"	6P246-H08ME*	80	35	0,3201	5

* Sizes on request

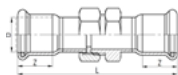
UNION GROUP – Made of stainless steel - 316L



GEBOPRESS ADAPTOR WITH UNION NUT

Dimension D [MM] x G	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 1/2"	6P330-B04ME	47	20	0,04	50
18 x 1/2"	6P330-C04ME	47,5	20	0,07	50
22 x 3/4"	6P330-D05ME	53,5	21	0,08	30
28 x 1"	6P330-E06ME	58,5	23	0,11	20
35 x 1 1/4"	6P330-F07ME	64,5	26	0,15	12
42 x 1 1/2"	6P330-G08ME	74	30	0,22	8
54 x 2"	6P330-H09ME*	83	35	0,32	5

* Sizes on request

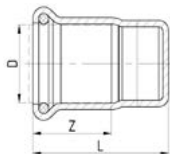


GEBOPRESS STRAIGHT UNION WITH PRESS FITTINGS

Dimension D [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P330-BME	89	20	0,11	25
18	6P330-CME	92	20	0,12	20
22	6P330-DME	99	21	0,13	10
28	6P330-EME	112	23	0,17	10
35	6P330-FME	119	26	0,19	5
42	6P330-GME	128	30	0,21	5
54	6P330-HME*	141	35	0,21	2

* Sizes on request

CAP – Made of stainless steel - 316L

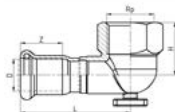


GEBOPRESS CAP

Dimension D [MM]	Code	L [MM]	Z [MM]	Weight [KG]	PCS per Bag
15	6P301-BME	30	20	0,0226	60
18	6P301-CME	34,5	20	0,03	60
22	6P301-DME	33,5	21	0,0378	50
28	6P301-EME	38	23	0,0506	40
35	6P301-FME	42	26	0,0707	20
42	6P301-GME	46,5	30	0,0979	5
54	6P301-HME	54	35	0,1466	5
108	6P301-LME*	105	75	0,8143	2

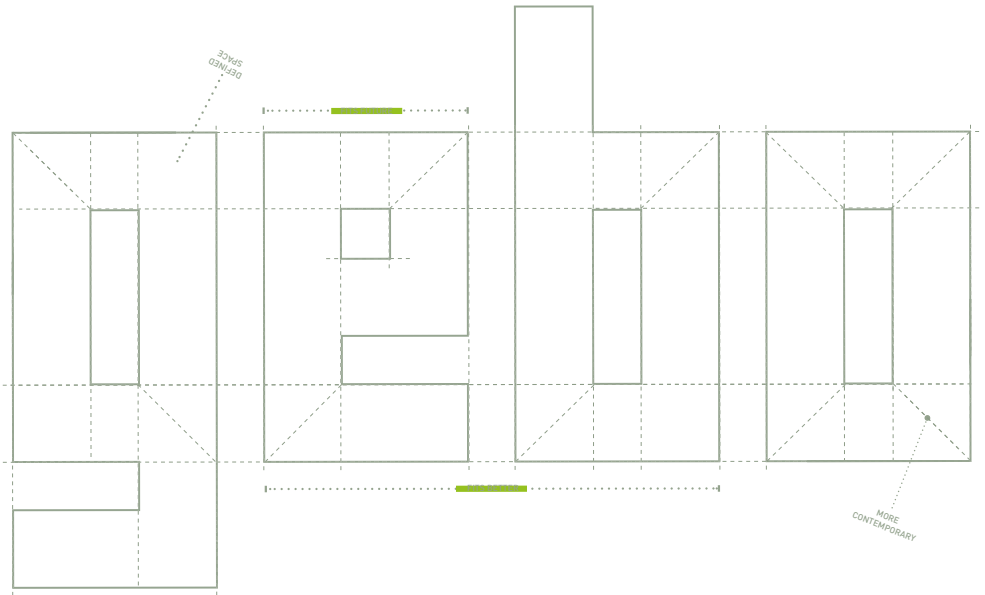
* Sizes on request

ELBOW ADAPTOR – Made of stainless steel - 316L



GEBOPRESS 90° BEARING PLATE ELBOW WITH FEMALE THREAD

Dimension D [MM] x Rp	Code	L [MM]	LH [MM]	Z [MM]	Weight [KG]	PCS per Bag
15 x 1/2"	6P471-B04ME	48,5	25	20	0,0882	25
18 x 1/2"	6P471-C04ME	48,5	25	20	0,10	20
22 x 3/4"	6P471-D05ME	55	30	21	0,1466	15



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