

gebo brass

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



COMPLETE RANGE OF TYPES



BRASS COMPRESSION FITTINGS WITH MALE THREAD FOR STEEL PIPES:

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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:

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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

GEBÖ 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:

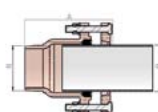
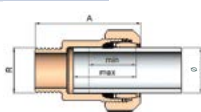
DN	Jointing thread R ISO 7/1	STEEL PIPE		Installation Length ~A [mm]	Wrench Size ~SW [mm]	Diagonal width ~e [mm]	Depth of insertion [mm]	
		Pipe outer-Ø [mm]	Weight [kg]				min.	max.
15	1/2"	21.3	0.235	63	41	47	30	35
20	3/4"	26.9	0.323	70	46	53	35	45
25	1"	33.7	0.505	80	55	64	35	50
32	1 1/4"	42.4	0.670	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

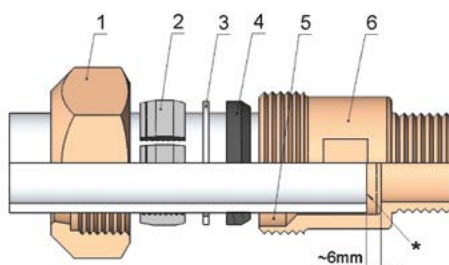
Joining thread ISO 7/1	Pipe outer-Ø [mm]
1/2"	21.3
3/4"	26.9
1"	33.7
1 1/4"	42.4
1 1/2"	48.3
2"	60.3

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

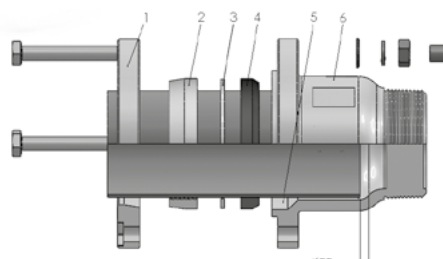
MEDIA:

Drinking water, heating water

Joining 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

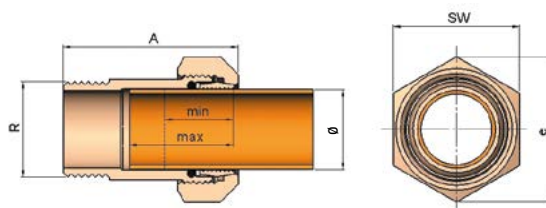
DN	Joining thread x Pipe outer-Ø [mm]	Code
12	1/2" x 15	04.310.00.0115
15	1/2" x 18	04.310.00.0118
20	3/4" x 22	04.310.00.0222
25	1" x 28	04.310.00.0328
32	1 1/4" x 35	04.310.00.0435
40	1 1/2" x 42	04.310.00.0542
50	2" x 54	04.310.00.0654

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



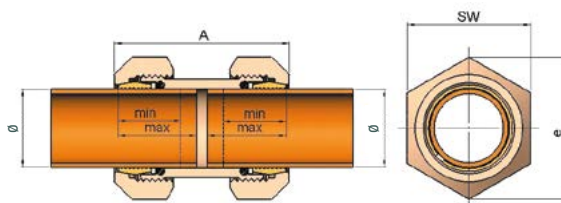
DN	Pipe outer-Ø [mm]	Code
12	15 x 15	04.310.02.15
15	18 x 18	04.310.02.18
20	22 x 22	04.310.02.22
25	28 x 28	04.310.02.28
32	35 x 35	04.310.02.35
40	42 x 42	04.310.02.42
50	54 x 54	04.310.02.54

DIMENSIONS AND WEIGHTS

DN	Pipe outer-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	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 + M0

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

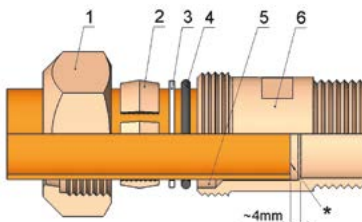
Jointing thread ISO 7/1	Pipe outer-Ø [mm]
1/2"	15
1/2"	18
3/4"	22
1"	28
1 1/4"	35
1 1/2"	42
2"	54

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:

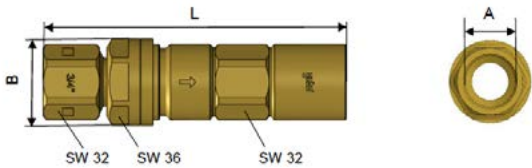
Installation for drinking water hot and cold, Heating water

OPERATING PRESSURE AND TEMPERATURE:

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

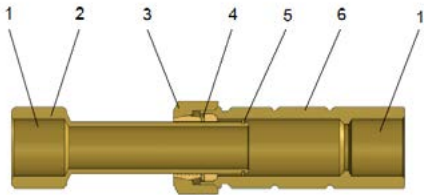
Heating water: max. +70°C/max.6 bar

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



DIMENSIONS AND WEIGHTS

PIPE OUTER-Ø [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