

gebo  
brass

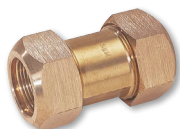
## Complete range of GEBO Brass



### BRASS COMPRESSION FITTINGS WITH MALE THREAD FOR STEEL OR COPPER PIPES:

p. 124

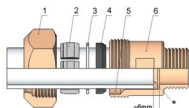
Our brass compression fittings are available from DN 15 to DN 65 and are suitable for drinking water and heating water.



### BRASS COMPRESSION FITTING, CLAMPING ON BOTH SIDES FOR COPPER PIPES:

p. 126

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



### ASSEMBLY INSTRUCTIONS

p. 127

For series 313; Series 314 and 310 - sealing and threaded fittings

**MATERIALS USED:**

- **Fitting body:**  
Brass
- **Cone nut:**  
Brass
- **Compression ring:**  
Galvanized steel, respectively brass
- **Washer:**  
Galvanized steel,
- **Sealing ring:**  
EPDM
- **Connecting thread:**  
According to ISO 7/1 respectively DIN EN 10226-1
- All metal materials in contact with water are according to the 4MS 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.

- **Compression fitting for steel pipes:**  
Steel pipe conforming DIN EN 10255 and DIN EN 10220 Series 1.  
**Typical areas of application:**
  - Drinking water installation
  - Heating systems
- **Compression fitting for copper pipe:**  
Copper pipes conforming 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

TYP MAS



**SERIES 313**  
21.3 mm – 60.3 mm

**MEDIA:** drinking water hot and cold; heating water

**OPERATING TEMPERATURE:** Drinking water up to 85°C, heating water up to 95°C

**PRESSURE STAGES:** max. PN 10 (up to 80 °C) and > 80 °C PN 6

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

TYP MAF



**SERIES 314**  
76.1 mm

**MEDIA:** drinking water hot and cold; heating water

**OPERATING TEMPERATURE:** Drinking water and heating water up to 85 °C

**PRESSURE STAGES:** max. PN 10 (<60 °C) and max. PN 6 (>60 °C)

DN	Connecting threads 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:**

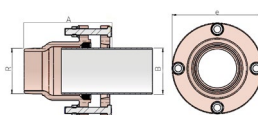
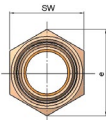
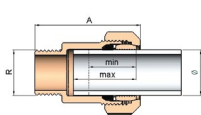
DN	Connecting threads R ISO 7/1	STEEL PIPE		Installation Length ~A [mm]	Wrench Size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
		Pipe outer-Ø [mm]	Weight [g]				min.	max.
20	3/4"	26.9	323	70	46	53	35	45
25	1"	33.7	505	80	55	64	35	50
32	1 1/4"	42.4	670	85	65	75	35	50
40	1 1/2"	48.3	855	90	70	81	40	55
50	2"	60.3	1500	100	90	104	40	60
65	2" 1/2	76.1	2200	140	-	149	60	85

**COMPRESSION FITTING FOR STEEL PIPE MAS + MAF**

STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm



**TYP MAS****BRASS COMPRESSION FITTING, MALE THREAD****FOR COPPER PIPES**

DIN EN 1057, DVGW GW392

**SERIE 310**

15 mm – 54 mm

**MEDIA:**

drinking water; heating water

**OPERATING TEMPERATURE:**

Drinking water up to 25°C, heating water up to 80°C

**PRESSURE STAGES:**

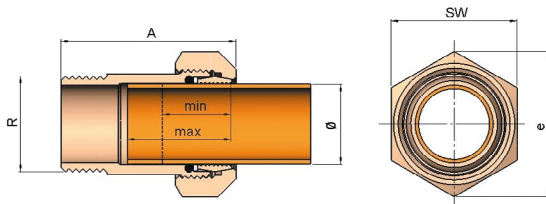
max. PN 10



DN	Connecting thread x Pipe outer- $\emptyset$ [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	Connecting thread R ISO 7/1	Pipe outer- $\emptyset$ [mm]	Weight [g]	Length ~A [mm]	Wrench size ~SW [mm]	Fitting width ~e [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
12	1/2"	15	130	60	30	35	25	30
15	1/2"	18	271	65	41	47	30	35
20	3/4"	22	226	65	41	47	30	35
25	1"	28	308	75	46	53	30	40
32	1 1/4"	35	508	80	55	64	30	45
40	1 1/2"	42	681	90	65	75	35	50
50	2"	54	1031	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



**SERIE 310**

15 mm – 54 mm

**MEDIA:**

drinking water; heating water

**OPERATING TEMPERATURE:**

Drinking water up to 25°C, heating water up to 80°C

**PRESSURE STAGES:**

max. PN 10

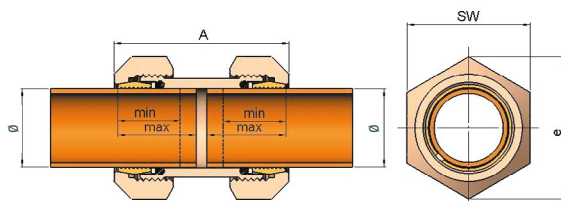
DN	Pipe outer-Ø [mm]	Code
12	15 x 15	<b>04.310.02.15</b>
15	18 x 18	<b>04.310.02.18</b>
20	22 x 22	<b>04.310.02.22</b>
25	28 x 28	<b>04.310.02.28</b>
32	35 x 35	<b>04.310.02.35</b>
40	42 x 42	<b>04.310.02.42</b>
50	54 x 54	<b>04.310.02.54</b>

**DIMENSIONS AND WEIGHTS**

DN	Pipe outer-Ø [mm]	Weight [g]	Length ~A [mm]	Wrench size ~SW [mm]	Fitting width ~e [mm]	Pipe insertion depth min. [mm]	Pipe insertion depth max. [mm]
12	15	190	65	30	35	20	25
15	18	391	75	41	47	20	25
20	22	349	75	41	47	25	30
25	28	452	80	46	53	25	33
32	35	681	85	55	64	25	30
40	42	909	90	65	75	25	35
50	54	1778	105	85	98	25	40

**COMPRESSION FITTINGS FOR COPPER PIPES**

**TYP M0** 15 mm – 54 mm



## BRASS COMPRESSION FITTING, MALE THREAD

## ASSEMBLY INSTRUCTION SERIES 313

FOR STEEL PIPES

DIN EN 10255 and DIN EN 10220 series 1

**MAX. OPERATING PRESSURE/TEMPERATURE:** water max. PN 10 (up to 80°C) and > 80°C PN 6**MEDIA:** drinking water accordingly to DIN 2000; heating water

Connecting 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:**

- 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.
- Slide cone nut (1), compression ring (2), washer (3) and seal (4) on the pipe end as shown.
- Slide the seal (4) minimum 10 mm above the pipe end.
- Slide in the pipe end with the individual elements into the sealing chamber (5) of the fitting body (6); check for perfect fit.
- 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:

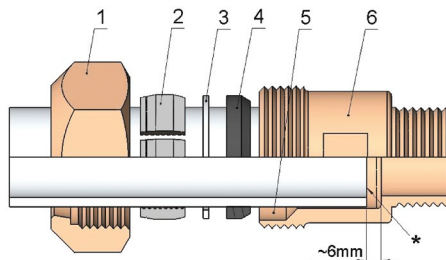
1/2" - 3/4" = 100 Nm

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

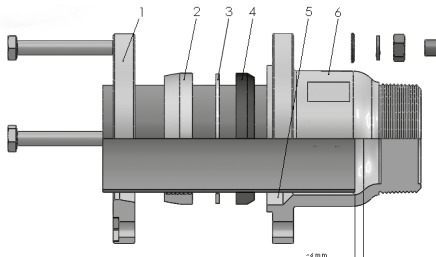
**MAX. OPERATING PRESSURE/TEMPERATURE:** water: max. 85 °C (< 60 °C PN10 / > 60 °C PN 6)

**MEDIA:** drinking water according to DIN 2000; heating water

Connecting 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.



MAS + MO

BRASS COMPRESSION FITTING, SERIES 310

FOR COPPER PIPES

DIN EN 1057, DVGW GW392

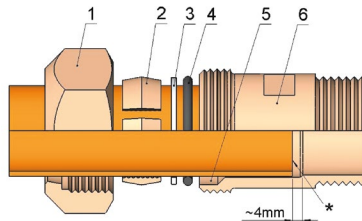
**MAX. OPERATING PRESSURE/TEMPERATURE:** water: 10 bar/80°C**MEDIA:** drinking water up to DIN 2000; heating water

Connecting thread ISO 7/1	Pipe outer- $\phi$ [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:**

- 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.
  - Slide cone nut (1), compression ring (2), washer (3) and seal (4) on the pipe end as shown.
  - Slide the seal (4) minimum 10 mm above the pipe end.
  - Slide in the pipe end with the individual elements into the sealing chamber (5) of the fitting body (6); check for perfect fit.
  - 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.

