

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	Joining 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	Joining 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 ~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	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

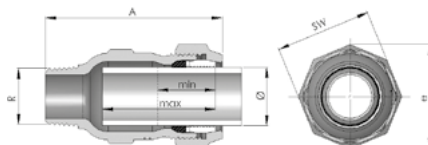
COMPRESSION FITTINGS WITH MALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

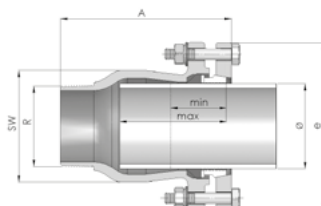


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

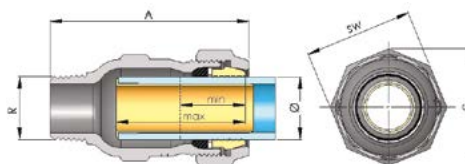
70 mm – 108 mm



COMPRESSION FITTINGS WITH MALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

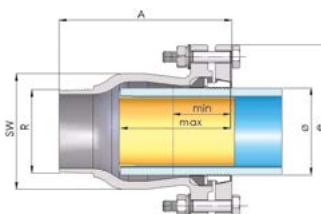
FOR PE PIPES

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	Jointing 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	Joining 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

		STEEL PIPES		BLACK STEEL PIPES		PE PIPES						
DN	Connecting thread Rp R ISO 7/1	Pipe outer- ø [mm]	Weight [kg]	Pipe outer-ø [mm]	Weight [kg]	Pipe outer-ø [mm]	Weight [kg]	Length ~A [mm]	Wrench size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]	
											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"			38.0	1.0	38.0	1.0	115	70	76	40	65
		42.4	1.0	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

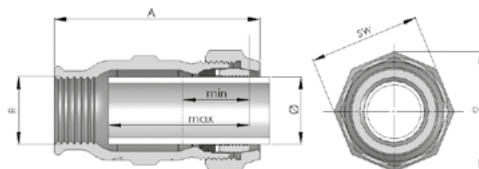
COMPRESSION FITTINGS WITH FEMALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

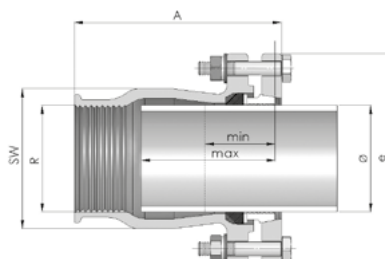


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

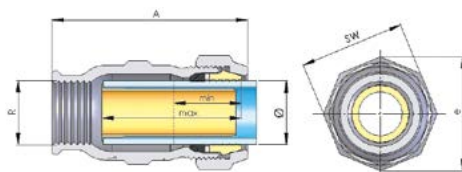
70 mm – 108 mm



COMPRESSION WITH FEMALE THREAD FOR PE PIPES WITH REINFORCEMENT SLEEVE

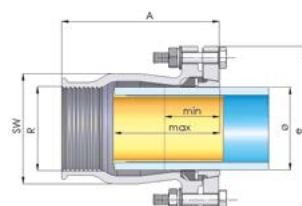
FOR PE PIPES

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

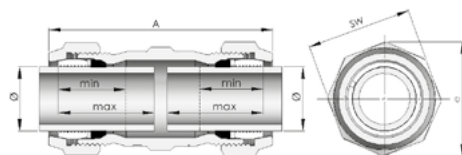
COMPRESSION FITTINGS CLAMPING ON BOTH SIDES FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

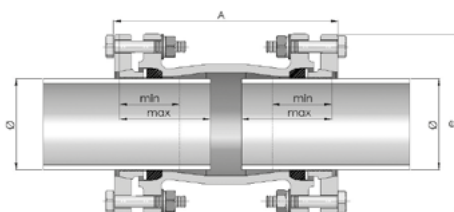


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

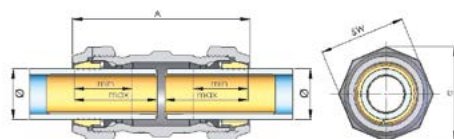
70 mm – 108 mm



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

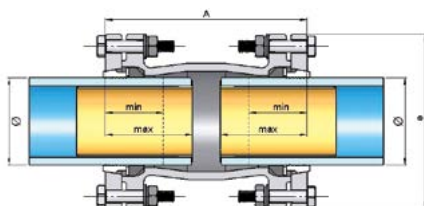
FOR PE PIPES

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
FOR BLACK STEEL PIPES
MALLEABLE CAST IRON COMPRESSION FITTINGS , CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD

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-Ø 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

		STEEL PIPES		BLACK STEEL PIPES		PE PIPES						
DN	Connecting thread Rp ISO 7/1	Pipe outer- ϕ [mm]	weight [kg]	Pipe outer- ϕ [mm]	weight [kg]	Pipe outer- ϕ [mm]	weight [kg]	Length ~A [mm]	Wrench size ~SW [mm]	Dorner dimension ~e [mm]	Depth of insertion [mm]	
											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"			57.0	2.5			180	90	97	40	45
		60.3	2.5	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

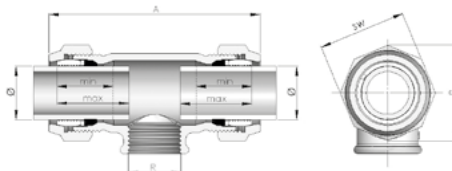
COMPRESSION FITTINGS CLAMPING ON BOTH SIDES OUTLET WITH FEMALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

17.2 mm – 60.3 mm

FOR BLACK STEEL PIPES

20 mm – 63.5 mm

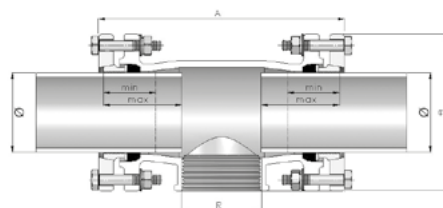


FOR STEEL PIPES

76.1 mm – 114.3 mm

FOR BLACK STEEL PIPES

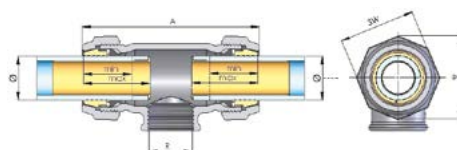
70 mm – 108 mm



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

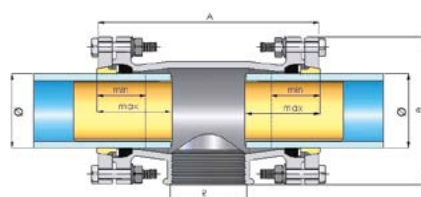
FOR PE PIPES

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

	STEEL PIPES	BLACK STEEL PIPES	STEEL/ BLACK STEEL	PE PIPES	PE PIPES						
DN	Pipe outer- ϕ [mm]	Pipe outer- ϕ [mm]	Weight [kg]	Pipe outer- ϕ [mm]	Weight [kg]	Length -A [mm]	Wrench size -SW [mm]	Corner dimension -e [mm]	Depth of insertion [mm]		
									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

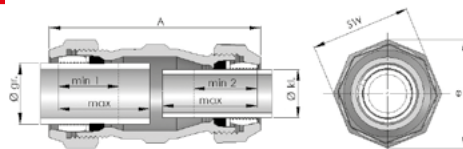
COMPRESSION FITTINGS CLAMPING ON BOTH SIDES, REDUCED FOR STEEL PIPES AND BLACK STEEL PIPES

STEEL PIPES

33.7 mm – 60.3 mm

BLACK STEEL PIPES

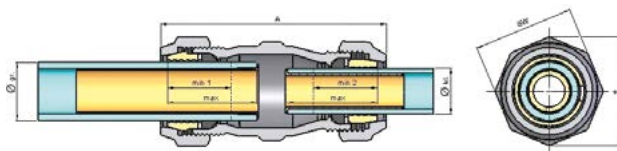
20 mm – 63.5 mm



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

STEEL PIPES			BLACK STEEL PIPES		PE PIPES								
DN	Pipe outer-ø [mm]	Weight [kg]	Pipe outer-ø [mm]	Weight [kg]	Pipe outer-ø [mm]	Weight [kg]	Length ~A [mm]	Wrench size ~SW [mm]	Corner dimension ~e [mm]	Depth of insertion [mm]			
										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				40

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

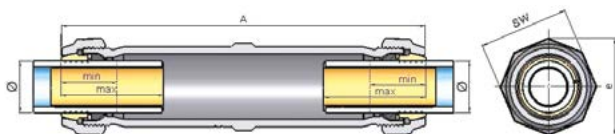
20 mm – 63.5 mm



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

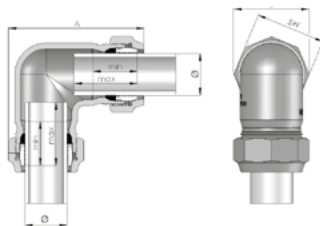
COMPRESSION FITTINGS ELBOW, CLAMPING ON BOTH SIDES FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

21.3 mm – 60.3 mm

FOR BLACK STEEL PIPES

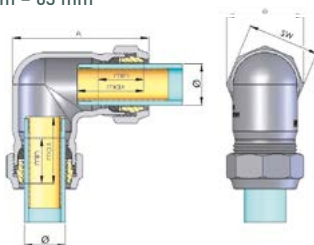
20 mm – 63.5 mm



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 ~SW [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

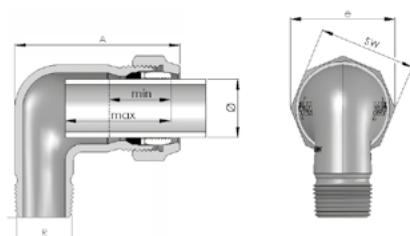
COMPRESSION FITTINGS ELBOW, MALE THREAD FOR STEEL PIPES AND BLACK STEEL PIPES

FOR STEEL PIPES

33.7 mm – 60.3 mm

FOR BLACK STEEL PIPES

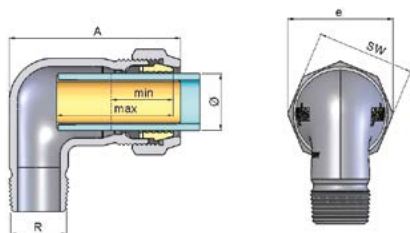
20 mm – 63.5 mm



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 150/155: 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

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 153/155: 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

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-Ø [mm]	Weight [kg]	Pipe outer-Ø [mm]	Weight [kg]	Pipe outer-Ø [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

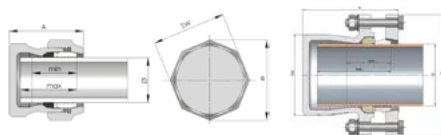
COMPRESSION FITTING END CAP TYPE EK + EKF FOR STEEL PIPE AND BLACK STEEL PIPE

FOR STEEL PIPES

21.3 mm – 60.3 mm and 76.1 mm

FOR BLACK STEEL PIPES

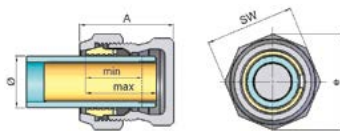
20 mm – 63.5 mm and 70mm



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-Ø [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-Ø [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-Ø [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:

Joining 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.

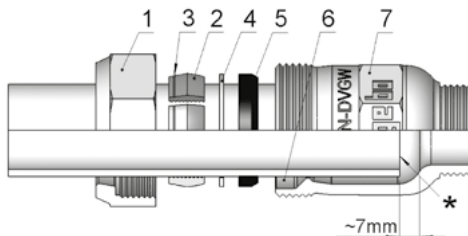
Straight installation: Compression ring (2) with the marking groove side (3) in the direction of the cone nut (1)

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:

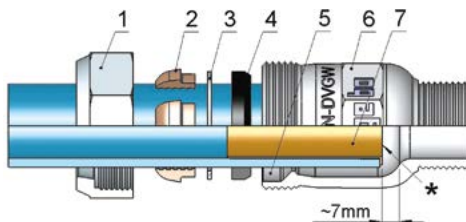
20 mm, 25 mm = 100 Nm

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

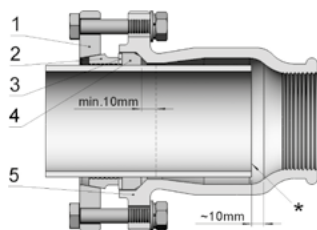
DIMENSIONS:

Jointing threads 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) 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:

Joining 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

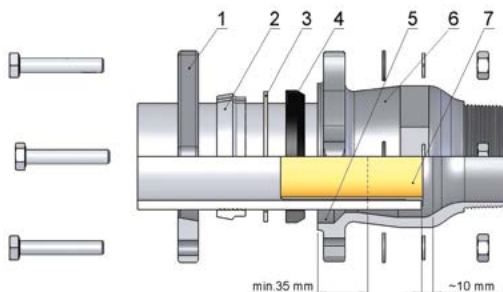
Assembly procedure (including support sleeve):

- 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. Steel compression rings and washers are also galvanically zinc coated
Jointing threads:	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

		STEEL PIPE						
DN	CONNECTING THREAD R ISO 7/1	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
							MIN.	MAX.
15	1/2"	21.3	0.3	100	41	44	30	70
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

		STEEL PIPE						
DN	CONNECTING THREAD Rp ISO 7/1	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
							MIN.	MAX.
15	1/2"	21.3	0.4	100	41	44	30	70
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

	STEEL PIPE						
DN	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
						MIN.	MAX.
15	21.3	0.5	100	41	44	30	70
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

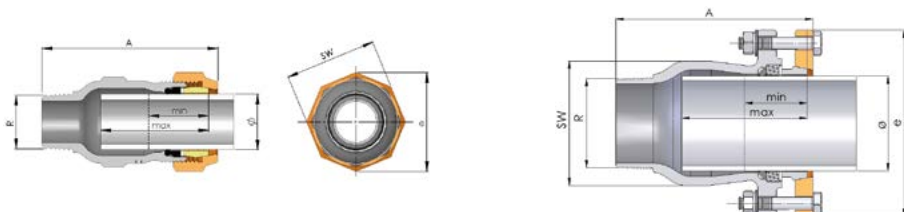
*high-temperature-resistant version for domestic gas installation

COMPRESSION FITTINGS FOR STEEL PIPE TYPE AT + AFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm

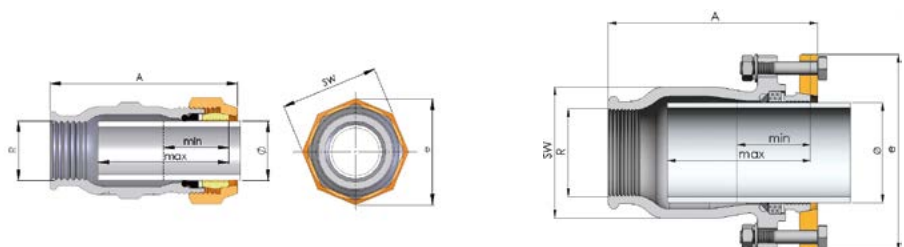


COMPRESSION FITTINGS FOR STEEL PIPE TYPE IF + IFT

FOR STEEL PIPE

21.3 mm – 60.3 mm

76.1 mm – 114.3 mm

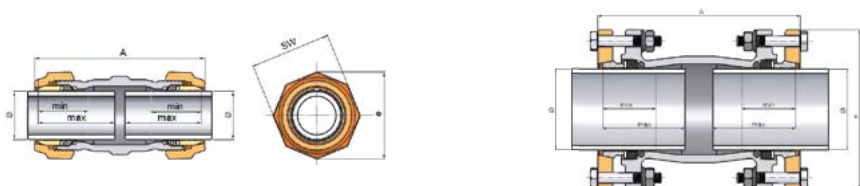


COMPRESSION FITTINGS FOR STEEL PIPE TYPE OT + OFT

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

		STEEL PIPE						
DN	CONNECTING THREAD Rp ISO 7/1	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
							MIN.	MAX
15	1/2"	21.3	0.5	125	41	44	30	70
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

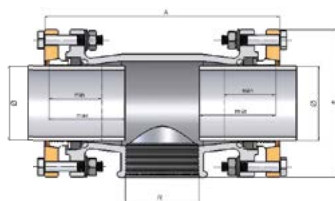
*high-temperature-resistant version for domestic gas installation

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	0.7	230	41	44	30	100
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

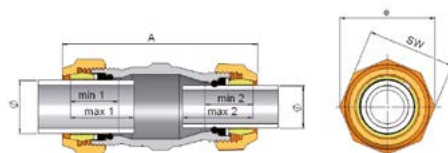
DIMENSIONS AND WEIGHTS

STEEL PIPE									
DN	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]			
						MIN. 1	MIN. 2	MAX.	
25 x 20	33.7 x 26.9	0.8	117	55	60	35	30	50	
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



*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

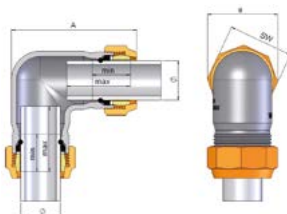


DIMENSIONS AND WEIGHTS

	STEEL PIPE						
DN	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
						MIN.	MAX.
15	21.3	0.5	100	41	44	30	50
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
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*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

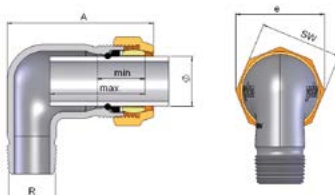
DIMENSIONS AND WEIGHTS

		STEEL PIPE						
DN	CONNECTING THREAD R ISO 7/1	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH -A [MM]	WRENCH SIZE -SW [MM]	CORNER DIMENSION -E [MM]	DEPTH OF INSERTION [MM]	
							MIN.	MAX.
25	1"	33.7	0.6	115	55	60	35	50
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

	STEEL PIPE						
DN	PIPE OUTER-Ø [MM]	WEIGHT [KG]	LENGTH ~A [MM]	WRENCH SIZE ~SW [MM]	CORNER DIMENSION ~E [MM]	DEPTH OF INSERTION [MM]	
						MIN.	MAX
15	21.3	0.2	51	41	44	30	40
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

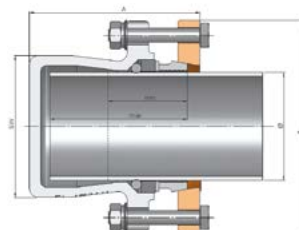
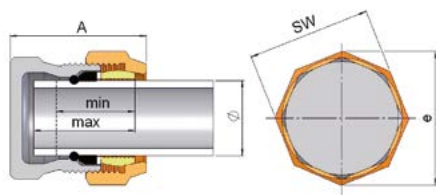
*high-temperature-resistant version for domestic gas installation

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:

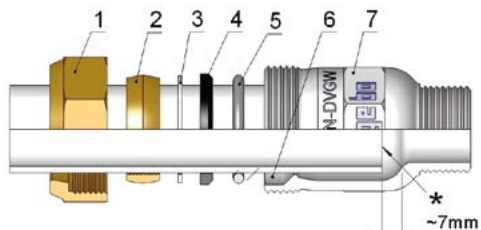
1. Cut the pipe end to be connected at right angles to the axis. The pipe end must be **free from burr, un-deformed and without threads**. Paint applications and contamination must be removed.
2. Slide cone nut (1), compression ring (2), washer (3), graphite ring (4) and O-ring (5) on the pipe end as 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.

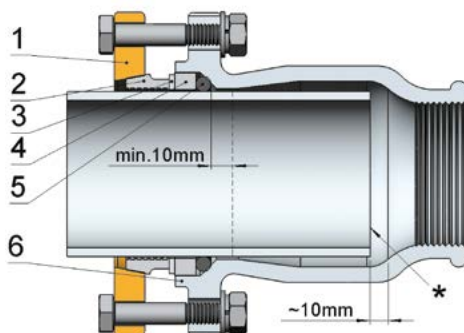
SERIES 225:

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