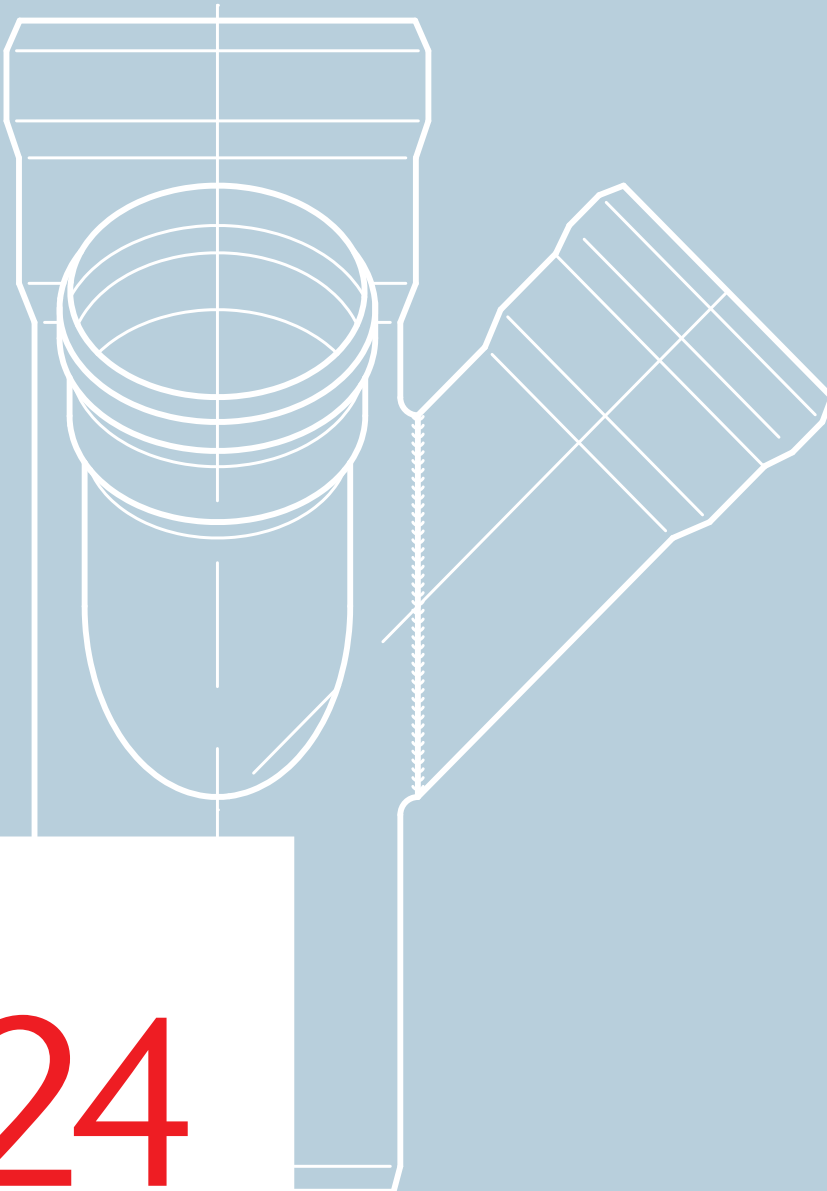




R24

Roof Drainage

ACO GM-X

Pipe system made of galvanised steel



ACO GM-X

Pipe system made of galvanised steel

COLLECT:
Collect and record



Galvanised steel pipe systems

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For ACO Pipe systems
made of galvanised steel,
scan the code



ACO pipe systems

The planning and construction of drainage systems is one of the most important problems in building services engineering. In all areas of private and industrial building drainage from roof surfaces, the use of pipe systems made of highly stable materials is the basis of safe wastewater drainage. In order to meet the requirements of building planning law, ACO offers a complete range of drainage pipes and fittings made of galvanized steel, stainless steel and cast iron. The large selection of fittings and connections also enables meet the design requirements for drainage systems for special use buildings.

ACO GM-X pipe systems made of welded precision steel or stainless steel pipes manufactured using the advanced cold-forming process, as well as pipes made of cast iron, are successfully used in the area of flat roof and parking deck drainage. For high demands on functional safety and for extended measures for frost protection and insulation, the steel pipe is also manufactured as a composite pipe.

ACO GM-X multilayer pipes guarantee the highest possible level of insulation and isolation thanks to the pipe-in-pipe system, and time can also be saved thanks to the industrial prefabrication of the insulation and cladding. In addition, the invisible push-in socket connection of the service pipe achieves an almost seamless and therefore visually flawless pipe section.

Main features of the ACO pipe systems

- Variety of materials
- Large selection of nominal diameters
- Sound insulation
- Fire protection solutions
- Simple and inexpensive installation
- Resistance
- Hygiene and cleaning



ACO GM-X pipe, galvanised steel

Comparison of piping systems

Features	ACO GM-X pipes	ACO GM-X composite pipes	ACO SM-X pipes
Security			
■ Strength/load capacity	++	++	+++
Corrosion			
■ Resistance	++	++	++
Chemicals			
■ Resistance	++	++	++
Hygiene			
■ Cleaning	++	++	+
Fire protection			
■ Building material class	A1	B2	A1
Sound insulation in dB(A) ¹			
■ Sound insulation according to DIN 4109	19	18	16
■ Sound insulation according to VDI 4100	16	-	-
Assembly			
■ Weight ²	13.2	20.2	16.8
■ Cut to length	++	+	+
■ Fastening material	+++	++	+
■ Relocation speed	+++	++	+
Recyclability	+++	+	+++

+++ Very good ++ Good + Sufficient - Not tested

1 Volume flow 1.0 l/s

2 DN 100 / filled with water / kg/m

Applications

Score	ACO GM-X pipes	ACO GM-X composite	ACO SM-X Rohre
Industry			
Food / Beverage Industry	+	+	+
Pharmaceutical/ chemical industry	+	+	+
Automotive industry	+	+	+
Medical technology	+	+	+
Sanitary			
Rainwater	+++	+++	+++
Waste water	+++	+++	+++
Grease separator	-	-	+
Drainage civil engineering	+	-	-

+++ Very good + Conditionally suitable - Not suitable

ACO GM-X pipes

General

ACO GM-X drainage pipes made of welded precision steel pipe are installed in the area of flat roof drainage successfully in the nominal sizes DN 32 - DN 300 are used. The extensive range of pipes and fittings provides a quick and economical solution for any connection problem. Due to the technically mature socket connection, a quick and easy plug-in assembly can be carried out by turning the pipes and fittings in the socket. The ACO GM-X pipe system is manufactured in accordance with EN 1123.



Material

Drainage pipes and fittings are made of welded precision steel pipe in accordance with DIN EN 10305-3. Tensile strength: RM 310-410 N/mm²
Elongation at break: A5 min. 28

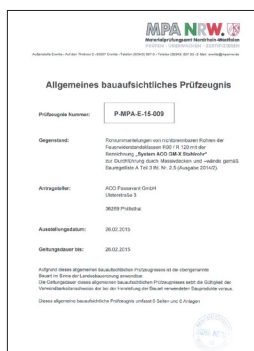
The material steel is characterized by its good technological properties:

- unbreakable
- dimensionally stable
- heat resistant up to 95 °C
- favourable sound behaviour
- non-combustible (A1)
- frost-proof

Fire behaviour

The ACO GM-X pipe system made of galvanised steel is non-combustible. It complies with the official fire protection regulations without any restrictions.

In accordance with DIN 4102-1 and the European classification of fire behaviour of DIN EN 13501-1, the fire behaviour of the steel drainage pipe is classified as building material class A1 – non-combustible.



Thermal expansion

The thermal expansion of steel is extremely low. The thermal expansion that occurs when hot wastewater is discharged therefore does not need to be taken into account during installation. The usual expansion compensation materials are not required, even when concreting or laying bricks, as steel has almost the same expansion coefficient as concrete or brick.
Reinforced concrete.

Tightness values

The tightness values for wastewater pipes required in DIN 1986-100 are complied with. All pipes and fittings, including their connections, are tight at an internal and external overpressure of 0 to 0.5 bar. For pipes where higher pressures can occur, e.g. pressure pipes of lifting stations and rainwater downpipes subject to backwater, the GM-X securing sleeve must be used for additional protection against axial thrust. For DN 150 and DN 200 pipes and fittings, GM-X securing clips are used for axial securing instead of the securing clip.

The following tightness values were determined for GM-X socket connections (DN 32 - DN 200) and GM-X loose socket connections (DN 250 - DN 300) with safety clamps and safety clips:

■ DN 32	15 bar
■ DN 40	15 bar
■ DN 50	15 bar
■ DN 70	5 bar
■ DN 80	5 bar
■ DN 100	5 bar
■ DN 125	4 bar
■ DN 150	4 bar
■ DN 200	2 bar
■ DN 250 ¹⁾	3 bar
■ DN 300 ¹⁾	3 bar

1) In Kombination with GM-X-Rapid Inox connector

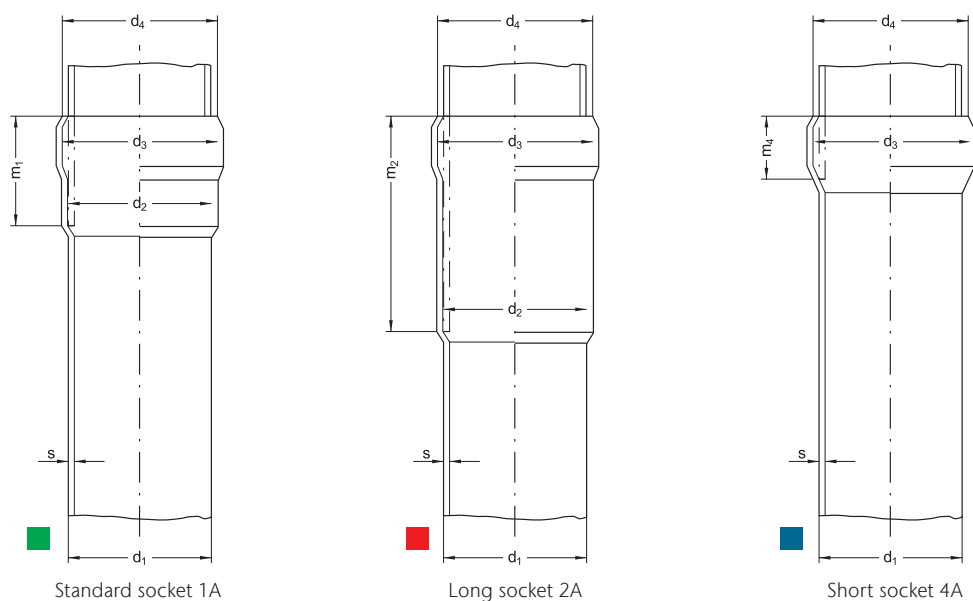
Corrosion protection

All pipe parts and fittings are to be EN ISO 1461 hot-dip galvanized inside and out. The zinc layer is on average 400 g/m² or 56 µ.

It is compact and shock resistant. The outer zinc layer provides cathodic protection on the surfaces and thus prevents under-rusting.

The GM-X joint according to DN EN 1123

Sleeve dimensions



For pipes and fittings with 2 sockets, both sockets have the same design.

DN	d ₁	d ₂	d ₃	d ₄	s	m ₁	m ₂	m ₄
32 ■	32	34	37	36	1.0	30	-	-
40 ■ ■ ■	42	45	48	45	1.5	30	70	16
50 ■ ■ ■	53	56	60	56	1.5	38	90	19
70 ■ ■ ■	73	76	81	76	1.6	55	120	27
80 ■ ■ ■	89	92	99	92	1.8	60	130	32
100 ■ ■ ■	102	106	114	107	2.0	70	150	38
125 ■ ■ ■	133	138	147	140	2.5	75	160	41
150 ■ ■	159	164	176	168	2.5	80	170	56
200 ■ ■	219	224	241	228	2.9	120	250	76

For socketless pipe

DN	d ₁	s
250	273	4
300	324	4

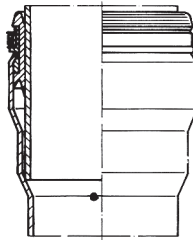
The GM-X connector

The GM-X pipe system is connected by means of a plug-in connection. This is a movable pipe connection whose sealing effect is achieved by plugging the spigot end and socket together in conjunction with an elastic sealing element.

The GM-X pipes have a socket on one side, the outer diameter of which is larger than that of the pipe shaft, so that they can receive the spigot end of the adjacent pipe of the same design. The other side of a pipe is shaped as a spigot end.

The sealing effect is created by the restoring force (contact pressure) of the sealing element.

Sleeve DN 32 – DN 200



The GM-X sealing element

The GM-X sealing element is used for GM-X pipes and fittings, as well as for the GM-X composite pipe programme, and offers several advantages for the secure sealing of the socket connection:

Due to the special shape of the seal, the sealing lip is pressed more strongly against the inner wall of the pipe socket and the outer wall of the mounted pipe at higher internal pressures. This increases the sealing effect. The force of the sealing element rests on the edge of the pipe socket and is visible after installation (only with GM-X). This means that the correct fit of the sealing element can be seen even after installation in the GM-X system.

For use in domestic drainage, the following are available: the sealing elements are made of a waste water resistant quality (according to DIN 4060):

- NBR (Nitrile Butadiene Rubber)
 - DN 40/DN 50
- EPDM (Ethylene Propylene Diene Rubber)
 - DN 32, DN 70 – DN 200

The socketless dimensions DN 250 and DN 300 are connected with the GM-X Rapid Inox connector. The sealing element is made of EPDM and must be ordered separately.

Cut to length

The GM-X pipes can be cut to length with a pipe cutter, a cutting disc or a saw. Regardless of the tool used, the cut must be made at a right angle. Furthermore, the cut surface must be deburred and chamfered so that the sealing element in the socket is not damaged during assembly with the pipe or fitting.

Loosening the socket connection

With the ACO pipe system GM-X, the insertion pipe is heated at the socket edge until the pipe can be pulled out of the socket. When reassembling, the sealing element must be replaced.

Underground installation

For underground installation, the ACO GM-X pipe system must be provided on site with additional corrosion protection in accordance with DIN 30672.

Set in concrete

If additives such as frost protection, diluent or rapid binder are added to the concrete, the pipe must be given an appropriate protective coating on the outside. The use of safety clamps is recommended.

Connection with other pipe types

For the connection of GM-X pipe with other pipe types such as: PIPE/SML/KA/HT/KG and vitrified clay pipe, the GM- X programme contains a range of fittings.

Tube weight

For horizontally and vertically installed pipes. the dead weight of the pipes plus the possible water content must be taken into account when selecting the fastening material. (For fixing material. see accessories). Pipe weight for a pipe length of 1.000 mm and full filling with water:

Diameter	GM-X pipe (empty)	GM-X pipe (full of water)
	[kg/m]	[kg/m]
DN 32	0.8	1.5
DN 40	1.7	2.9
DN 50	2.1	4.1
DN 70	3.2	7.1
DN 80	3.8	9.4
DN 100	5.6	13.2
DN 125	9.0	22.1
DN 150	11.0	29.8
DN 200	19.8	55.7
DN 250	25.2	82.9
DN 300	30.0	96.4

Pipe system made to measure

ACO GM-X pipes can already be cut to the required dimensions in the factory and delivered to the construction site with an exact fit.

Pipe systems in your desired colour

ACO GM-X pipes can be factory-painted or powder-coated in a RAL colour according to your specifications. Our internal sales team will be happy to answer any questions you may have.

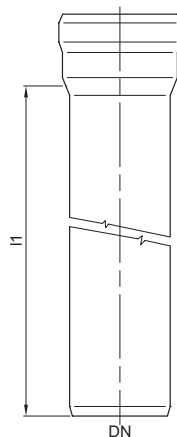
Contact

buildingdrainage.aco
E-mail: kam@aco.cz



Pipes with push-in socket 1 A

- Building material class A1
 - Non combustibler
- According to EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width	Weight	Item no.
DN		
	[kg]	
Length: 250 mm		
DN 32	0.2	E01025032
DN 40	0.5	E01025040
DN 50	0.6	E01025050
DN 70	0.9	E01025070
DN 80	1.0	E01025080
DN 100	1.7	E01025100
DN 125	2.8	E01025125
DN 150	3.4	E01025150
DN 200	6.6	E01025200
Length: 500 mm		
DN 32	0.5	E01050032
DN 40	0.9	E01050040
DN 50	1.1	E01050050
DN 70	1.7	E01050070
DN 80	1.8	E01050080
DN 100	3.0	E01050100
DN 125	4.9	E01050125
DN 150	5.9	E01050150
DN 200	11.0	E01050200
Length: 750 mm		
DN 40	1.3	E01075040
DN 50	1.6	E01075050
DN 70	2.4	E01075070

Note: Please order sealing elements separately

Nominal width	Weight	Item no.
DN		
	[kg]	
DN 80	2.8	E01075080
DN 100	4.3	E01075100
DN 125	7.0	E01075125
DN 150	8.4	E01075150
DN 200	15.4	E01075200

Length: 1000 mm

DN 32	0.8	E01100032
DN 40	1.7	E01100040
DN 50	2.1	E01100050
DN 70	3.2	E01100070
DN 80	3.8	E01100080
DN 100	5.6	E01100100
DN 125	9.1	E01100125
DN 150	10.9	E01100150
DN 200	19.8	E01100200

Length: 1500 mm

DN 32	1.2	E01150032
DN 40	2.5	E01150040
DN 50	3.1	E01150050
DN 70	4.7	E01150070
DN 80	5.3	E01150080
DN 100	8.2	E01150100
DN 125	13.3	E01150125
DN 150	16.0	E01150150
DN 200	28.6	E01150200

Length: 2000 mm

DN 32	1.6	E01200032
DN 40	3.3	E01200040
DN 50	4.2	E01200050
DN 70	6.2	E01200070
DN 80	7.4	E01200080
DN 100	10.8	E01200100
DN 125	17.4	E01200125
DN 150	21.0	E01200150
DN 200	37.4	E01200200

Length: 2500 mm

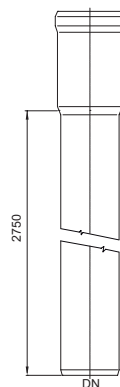
DN 40	4.2	E01250040
DN 50	5.2	E01250050
DN 70	7.7	E01250070
DN 80	8.4	E01250080
DN 100	13.4	E01250100

Note: Please order sealing elements separately

Nominal width	Weight	Item no.
DN	[kg]	
DN 125	21.6	E01250125
DN 150	26.0	E01250150
DN 200	46.1	E01250200
Length: 2750 mm		
DN 50	5.7	E01275050
DN 70	8.4	E01275070
DN 100	14.7	E01275100
Length: 3000 mm		
DN 40	4.9	E01300040
DN 50	6.2	E01300050
DN 70	9.2	E01300070
DN 80	10.1	E01300080
DN 100	16.0	E01300100
DN 125	25.8	E01300125
DN 150	31.0	E01300150
DN 200	55.0	E01300200

Pipes with long socket 2 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

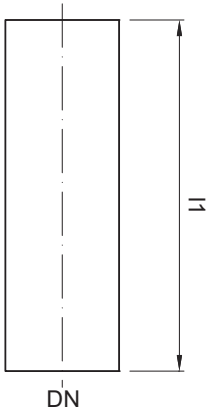


Nominal width	Weight	Item no.
DN	[kg]	
Length: 2500 mm		
DN 70	7.9	Z405778
Length: 2750 mm		
DN 50	6.1	E02275050
DN 70	8.6	E02275070
DN 100	15.1	E02275100

Note: Please order sealing elements separately

Socket-free pipe

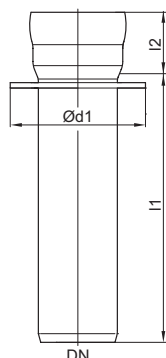
- Non-combustible, building material class A1
- According to building authority approval Z-42.1-470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately



Nominal width		Weight	Item no.
DN			
		[kg]	
Length: 1000 mm			
DN 250		25.2	001100250
DN 300		30.0	001100300
Length: 3000 mm			
DN 250		87.8	001300250
DN 300		93.0	001300300

Downpipe spigots with socket 1 A

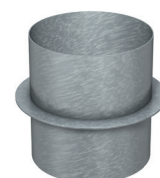
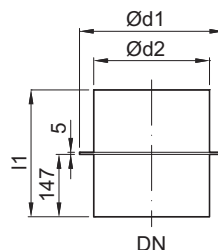
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With sound-absorbing insert
- With additional inner coating
- Please order sealing element separately



Nominal width	Dimensions		Weight	Item no.
Nominal size on GM-X	d1	l2		
	[mm]	[mm]	[kg]	
Length: 250 mm				
DN 40	94	30	0.7	Z167856
DN 50	103	38	0.8	Z167855
DN 70	125	55	1.2	Z167858
DN 80	136	60	1.7	Z167857
DN 100	150	70	2.0	E70100100
DN 125	180	75	3.3	E70100125
DN 150	205	80	4.0	E70100150
DN 200	265	120	7.0	E70100200

Downpipe spigots - without socket

- Non-combustible, building material class A1
- According to building authority approval Z-42.1-470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately

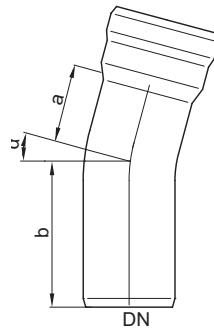


Nominal width	Dimensions		Weight	Item no.
Nominal size on GM-X	d1	l1		
DN	[mm]	[mm]	[kg]	
DN 250	340	300	7.2	O70100250
DN 300	390	300	10.6	O70100300

Note: Please order sealing elements separately

Bends with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width	Dimensions		Weight	Item no.
DN	a	b		
	[mm]	[mm]	[kg]	
Angle α: 15°				
DN 40	37	67	0.2	E10015040
DN 32	27	58	0.2	E10015032
DN 50	53	81	0.4	E10015050
DN 70	50	89	0.6	E10015070
DN 80	25	85	0.6	E10015080
DN 100	34	104	1.0	E10015100
DN 125	37	112	1.9	E10015125
DN 150	40	120	2.6	E10015150
DN 200	45	165	6.4	E10015200
Angle α: 30°				
DN 32	30	65	0.2	E10030032
DN 40	46	76	0.2	E10030040
DN 50	64	92	0.4	E10030050
DN 70	66	105	0.7	E10030070
DN 80	56	116	0.7	E10030080
DN 100	44	114	1.3	E10030100
DN 125	45	118	2.0	E10030125
DN 150	61	148	3.6	E10030150
DN 200	45	165	6.4	E10030200
Angle α: 45°				
DN 32	40	75	0.2	E10045032
DN 40	56	86	0.3	E10045040
DN 50	76	104	0.4	E10045050
DN 70	83	122	0.8	E10045070
DN 80	72.5	132	1.0	E10045080
DN 100	54	124	1.2	E10045100

Note: Please order sealing elements separately

Nominal width	Dimensions		Weight	Item no.
DN	a	b		
	[mm]	[mm]	[kg]	
DN 125	58	131	2.2	E10045125
DN 150	83	162	4.4	E10045150
DN 200	166	270	13.5	E10045200

Angle α : 70°

DN 40	75	105	0.3	E10070040
DN 50	100	128	0.5	E10070050
DN 70	118	157	0.9	E10070070
DN 80	105	165	1.2	E10070080
DN 100	74	144	1.3	E10070100
DN 125	75	157	2.4	E10070125
DN 150	125	205	5.4	E10070150
DN 200	254	360	17.6	E10070200

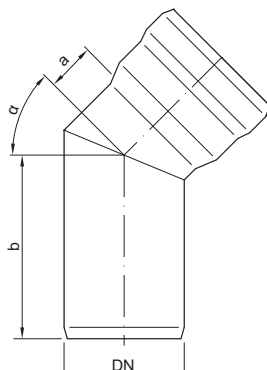
Angle α : 87°

DN 32	69	100	0.2	E10087032
DN 40	92	122	0.3	E10087040
DN 50	120	148	0.5	E10087050
DN 70	146	185	1.0	E10087070
DN 80	134	194	1.2	E10087080
DN 100	91	161	1.7	E10087100
DN 125	97	179	2.6	E10087125
DN 150	170	250	6.4	E10087150
DN 200	330	435	22.8	E10087200

Note: Please order sealing elements separately

Bends with socket 1 A and tight radius

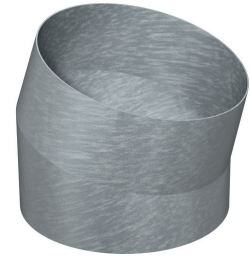
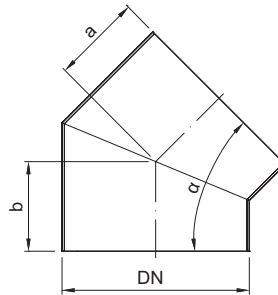
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nennweite	Abmessungen		Gewicht	Artikel-Nr.
DN	a	b		
	[mm]	[mm]	[kg]	
Angle α: 45°				
DN 40	20	65	0.2	E12045040
DN 50	24	79	0.3	E12045050
DN 70	32	91	0.5	E12045070
DN 80	40	105	1.2	E12045080
Angle α: 87°				
DN 40	33	78	0.2	E12087040
DN 50	44	98	0.4	E12087050
DN 70	59	117	0.6	E12087070
DN 80	72	137	1.6	E12087080

Bends - without socket

- Non-combustible, building material class A1
- According to building authority approval Z-42.1-470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately

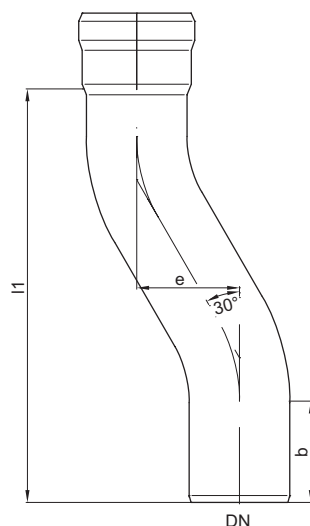


Nennweite	Abmessungen		Gewicht	Artikel-Nr.
DN	a	b		
	[mm]	[mm]	[kg]	
Angle α: 15°				
DN 250	106	106	5.2	010015250
DN 300	112	112	6.8	010015300
Angle α: 30°				
DN 250	125	125	6.8	010030250
DN 300	134	134	8.2	010030300
Angle α: 45°				
DN 250	145	145	7.2	010045250
DN 300	155	155	9.5	010045300
Angle α: 70°				
DN 250	186	186	10.0	0174.85.52
DN 300	204	204	12.4	0174.85.51
Angle α: 87°				
DN 250	267	267	12.8	010087250

Note: Please order sealing elements separately

S-bend pipes with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

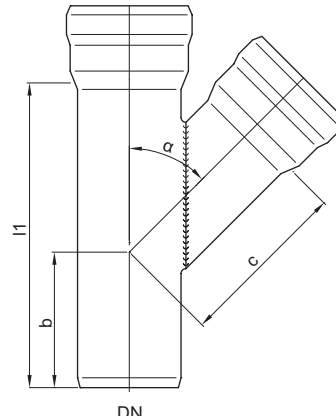


Nominal width	Dimensions		Weight	Item no.
DN	b	l1		
	[mm]	[mm]	[kg]	
Offset (e): 75 mm				
DN 70	73	300	1.2	E20075070
DN 80	85	280	1.4	E20075080
DN 100	95	250	1.8	E20075100
DN 125	100	270	2.9	E20075125
Offset (e): 130 mm				
DN 70	73	335	1.3	E20075070
DN 80	85	335	1.8	E20075080
DN 100	95	300	2.2	E20075100
DN 125	100	325	3.6	E20075125
Offset (e): 200 mm				
DN 70	73	359	1.5	E20075070
DN 80	85	405	2.8	E20075080
DN 100	95	370	2.8	E20075100
DN 125	100	395	4.4	E20075125

Note: Please order sealing elements separately

Single branch with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

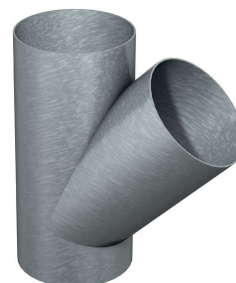
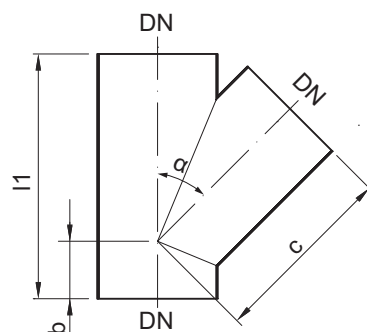


Nominal width		Dimensions		Weight	Item no.
DN	b	c	l1		
	[mm]	[mm]	[mm]	[kg]	
Angle α: 45°					
DN 32	55	70	125	0.3	E50045033
DN 40	55	70	125	0.4	E50045044
DN 50	65	90	150	0.6	E50045055
DN 70	85	115	200	1.1	E50045077
DN 80	97	138	235	1.2	E50045088
DN 100	110	155	265	2.4	E50045100
DN 125	130	210	340	4.8	E50045125
DN 150	140	240	380	6.6	E50045150
DN 200	190	320	500	16.8	E50045200
Angle α: 87°					
DN 32	70	40	110	0.3	E50087033
DN 40	70	40	110	0.3	E50087044
DN 50	80	50	130	0.5	E50087055
DN 70	110	65	175	1.0	E50087077
DN 80	126	75	200	1.4	E50087088
DN 100	140	90	230	2.1	E50087100
DN 125	170	120	285	3.8	E50087125
DN 150	190	135	320	5.0	E50087150
DN 200	260	170	420	13.5	E50087200

Note: Please order sealing elements separately

Socket-free single branches

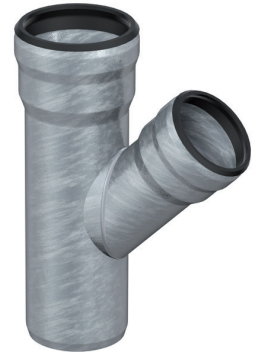
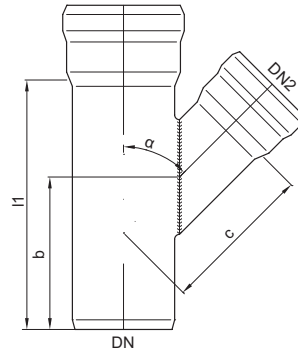
- Non-combustible, building material class A1
- According to building authority approval Z-42.1- 470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separatel



Nominal width		Dimensions		Weight	Item no.
DN	b	c	l1		
	[mm]	[mm]	[mm]	[kg]	
Angle α: 45°					
DN 250	145	430	575	21.4	050045250
DN 300	155	505	660	26.6	050045300

Reducing single branches with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width		Dimensions			Weight	Item no.
DN	DN2	b	c	l1		
		[mm]	[mm]	[mm]	[kg]	
Angle α: 45°						
DN 40	DN 32	68	87	105	0.2	E51045043
DN 50	DN 32	72	95	110	0.2	E51045053
DN 50	DN 40	50	79	130	0.5	E51045054
DN 70	DN 40	60	95	150	0.7	E51045074
DN 70	DN 50	75	106	175	0.8	E51045075
DN 80	DN 50	71	117	185	1.4	E51045085
DN 80	DN 70	135	127	215	1.6	E51045087
DN 100	DN 40	65	116	180	1.4	E51045140
DN 100	DN 50	75	127	200	1.5	E51045150
DN 100	DN 70	90	136	230	1.8	E51045170
DN 100	DN 80	110	147	265	2.0	E51045180
DN 125	DN 50	75	148	225	2.7	E51045125
DN 125	DN 70	90	157	255	3.0	E51045127
DN 125	DN 80	185	169	290	3.9	E51045128
DN 125	DN 100	105	176	290	3.6	E51045225
DN 150	DN 40	129	156	200	3.2	E51045154
DN 150	DN 50	149	168	225	3.4	E51045155
DN 150	DN 70	80	177	255	3.9	E51045220
DN 150	DN 80	179	188	290	4.5	E51045158
DN 150	DN 100	95	195	290	4.4	E51045250
DN 150	DN 125	120	230	340	5.7	E51045275
DN 200	DN 50	185	212	265	7.4	E51045205
DN 200	DN 70	200	221	286	8.2	E51045207

Note: Please order sealing elements separately

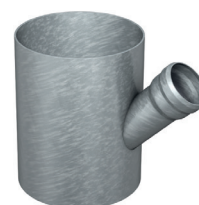
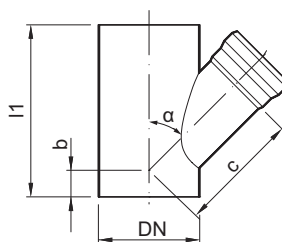
Nominal width		Dimensions			Weight	Item no.
DN	DN2	b	c	l1		
		[mm]	[mm]	[mm]	[kg]	
DN 200	DN 100	100	240	325	9.4	ES1045300
DN 200	DN 125	130	274	380	11.0	ES1045325
DN 200	DN 150	150	284	420	11.5	ES1045350

Angle α : 87°

DN 50	DN 40	75	46	120	0.4	ES1087054
DN 70	DN 40	95	57	140	0.7	ES1087074
DN 70	DN 50	100	61	150	0.8	ES1087075
DN 80	DN 50	109	69	155	1.1	ES1087085
DN 100	DN 40	115	72	175	1.4	ES1087140
DN 100	DN 50	115	76	180	1.4	ES1087150
DN 100	DN 70	125	80	200	1.6	ES1087170
DN 100	DN 80	135	81	230	1.8	ES1087180
DN 125	DN 50	125	91	200	2.4	ES1087125
DN 125	DN 70	140	95	225	2.7	ES1087127
DN 125	DN 100	155	105	255	3.2	ES1087225
DN 150	DN 70	140	109	225	3.2	ES1087220
DN 150	DN 100	155	119	255	3.8	ES1087250
DN 150	DN 125	175	134	290	4.6	ES1087275

Socket-free reducing single branches

- Non-combustible, building material class A1
- According to building authority approval Z-42.1- 470
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

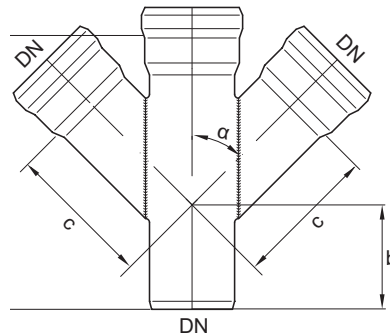


Nennweite		Abmessungen			Gewicht	Artikel-Nr.
DN	DN2	b	c	l1		
		[mm]	[mm]	[mm]	[kg]	
Angle α: 45°						
DN 250	DN 100	30	280	340	8.5	OS1045360
DN 250	DN 150	65	325	415	13.2	OS1045400
DN 250	DN 200	105	360	540	17.4	OS1045450
DN 300	DN 100	50	315	350	10.8	OS1045410
DN 300	DN 125	25	342	390	12.8	OS1045425
DN 300	DN 150	40	360	420	14.2	OS1045460
DN 300	DN 200	85	395	550	20.3	OS1045500
DN 300	DN 250	125	465	590	23.1	OS1045550

Note: Please order sealing elements separately

Double branches with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

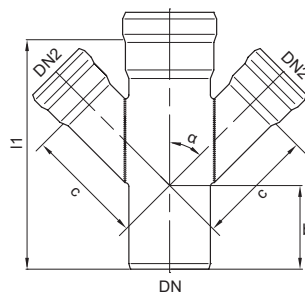


Nominal width		Dimensions		Weight	Item no.
DN	b	c	l1		
	[mm]	[mm]	[mm]	[kg]	
Angle α: 45°					
DN 50	65	90	150	0.8	E52045555
DN 70	85	115	200	1.4	E52045777
DN 100	100	155	265	3.2	E52045111
Angle α: 87°					
DN 50	80	50	130	0.6	E52087555
DN 70	110	65	175	1.2	E52087777
DN 100	140	90	230	2.7	E52087111

Note: Please order sealing elements separately

Reducing double branches with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

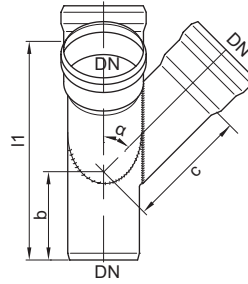


Nominal width		Dimensions			Weight	Item no.
DN	DN2	b	c	l1		
		[mm]	[mm]	[mm]	[kg]	
Angle α: 45°						
DN 70	DN 50	75	106	175	1.2	ES2045755
DN 100	DN 70	90	136	230	2.5	ES2045177
DN 100	DN 80	110	147	256	2.9	ES2045188
DN 125	DN 100	105	176	290	4.4	ES2045325
DN 150	DN 100	95	195	290	5.1	ES2045350
DN 150	DN 125	110	230	340	5.9	ES2045400
Angle α: 87°						
DN 70	DN 50	100	61	150	1.0	ES2087755
DN 100	DN 70	125	80	200	1.9	ES2087177
DN 125	DN 100	155	105	255	3.7	ES2087325
DN 150	DN 100	155	119	255	4.3	ES2087350

Note: Please order sealing elements separately

Corner double branches with socket 1 A

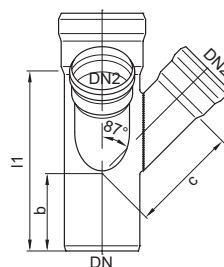
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width		Dimensions		Weight	Item no.
DN	b	c	l1		
	[mm]	[mm]	[mm]	[kg]	
Angle α: 45°					
DN 50	65	90	172	0.8	E53045555
Angle α: 70°					
DN 50	70	60	130	0.6	E53070555
Angle α: 87°					
DN 50	80	50	130	0.6	E53087555
DN 70	110	65	175	1.2	E53087777
DN 100	140	90	230	2.7	E53087111

Reducing corner double branches with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

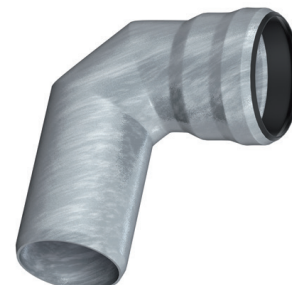
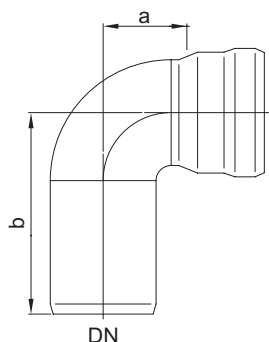


Nominal width		Dimensions		Weight	Item no.	Price/RG
DN	DN2	b	c	l1		
		[mm]	[mm]	[mm]	[kg]	
Angle α: 87°						
DN 70	DN 50	100	61	150	1.0	E53087755
DN 100	DN 70	125	80	200	1.9	E53087177

Note: Please order sealing elements separately

Bends with socket 1 A

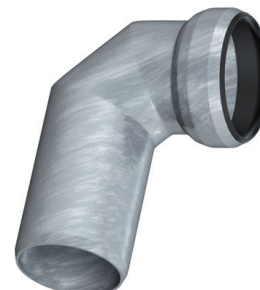
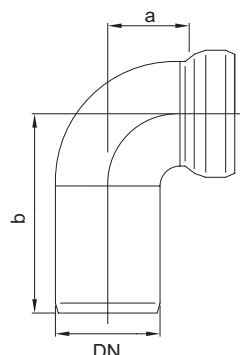
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width	Dimensions		Weight	Item no.
DN	a	b		
	[mm]	[mm]	[kg]	
DN 40	35	80	0.2	E30010040
DN 50	45	100	0.4	E30010050
DN 70	60	120	0.7	E30010070
DN 80	70	130	1.1	E30010080
DN 100	91	161	1.6	E30010100

Bends with short socket 4 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

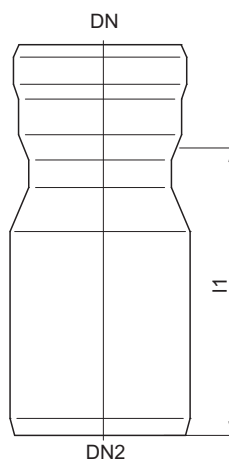


Nominal width	Dimensions		Weight	Item no.
DN	a	b		
	[mm]	[mm]	[kg]	
DN 40	35	80	0.2	E30011040
DN 50	45	100	0.3	E30011050

Note: Please order sealing elements separately

Transition elements – concentric with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

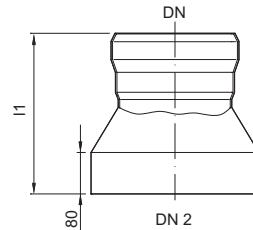


Nominal width		Dimensions	Weight	Item no.
DN	DN2	l1		
		[mm]	[kg]	
DN 40	DN 50	85	0.2	E40100054
DN 40	DN 70	120	0.4	E40100074
DN 50	DN 70	110	0.4	E40110075
DN 50	DN 100	160	0.8	E40100150
DN 70	DN 80	110	0.5	E40110087
DN 70	DN 100	140	0.9	E40120170
DN 70	DN 125	160	1.3	E40130132
DN 80	DN 100	140	1.3	E40120180
DN 100	DN 125	160	1.6	E40140225
DN 100	DN 150	170	2.0	E40150250
DN 100	DN 200	250	2.0	E40155300
DN 125	DN 150	150	2.2	E40150275
DN 125	DN 200	255	4.0	E40155325
DN 150	DN 200	235	4.3	E40155350
DN 200	DN 250	280	8.2	E40156450

Note: Please order sealing elements separately

Transition – From GM-X to GM-X socket-free, concentric with push-in socket 1 A

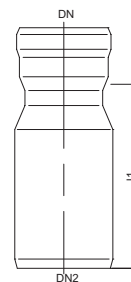
- Non-combustible, building material class A1
- According to building authority approval Z-42.1-470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately



Nominal width		Dimensions	Weight	Item no.
DN	DN2	l1		
		[mm]	[kg]	
DN 150	DN 250	280	5.4	O40155400
DN 150	DN 300	320	5.8	O40155450
DN 200	DN 250	280	8.2	O40156450
DN 200	DN 300	310	7.4	O40155500

Adaptors – Concentric, with extended spigot and push-in socket 1

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



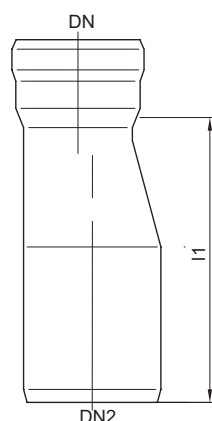
Nominal width		Dimensions	Weight	Item no.
DN	DN2	l1		
		[mm]	[kg]	
DN 32	DN 40	98	0.3	E40100043
DN 32	DN 50	125	0.3	E40100053
DN 40	DN 50	100	0.4	E41100054
DN 40	DN 70	140	0.9	E41100074
DN 50	DN 70	130	0.5	E41110075
DN 70	DN 80	135	1.0	E41110087
DN 70	DN 100	155	1.0	E41120170
DN 80	DN 100	155	1.0	E41120180

Note: Please order sealing elements separately

Nominal width		Dimensions	Weight	Item no.
DN	DN2	I1		
		[mm]	[kg]	
DN 100	DN 125	190	2.4	E41140225
DN 125	DN 150	170	2.5	E41150275
DN 150	DN 200	255	4.5	E41155350

Transition elements – eccentric, with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

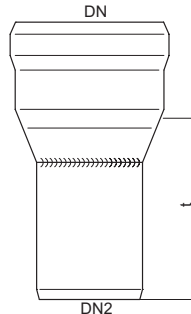


Nominal width		Dimensions	Weight	Item no.
DN	DN2	I1		
		[mm]	[kg]	
DN 40	DN 50	110	0.3	E40160054
DN 40	DN 70	115	0.4	E40160074
DN 50	DN 70	140	0.5	E40160075
DN 50	DN 100	157	0.9	E40160150
DN 70	DN 80	135	0.7	E40160087
DN 70	DN 100	160	1.1	E40160170
DN 80	DN 100	165	1.6	E40160180
DN 100	DN 125	182	1.9	E40160225
DN 100	DN 150	194	2.6	E40160250
DN 125	DN 150	210	2.7	E40160275
DN 150	DN 200	272	5.2	E40160350

Note: Please order sealing elements separately

Optimisation elements with push-in socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

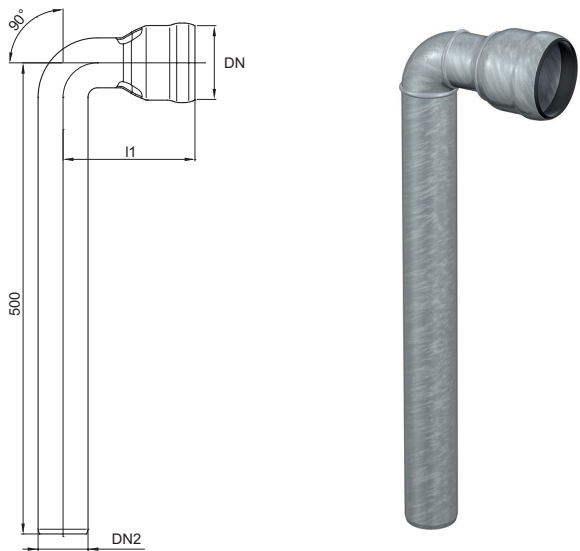


Nominal width		Dimensions		Weight	Item no.
DN	DN2	t [mm]	Description	[kg]	
DN 40	DN 32	65	■ Reduction from DN 40 to DN 32 ■ Length: 65 mm	0.1	E40170043
DN 50	DN 40	72	■ Reduction from DN 50 to DN 40 ■ Length: 72 mm	0.2	E40170054
DN 70	DN 40	95	■ Made of galvanised steel ■ Reduction from DN 70 to DN 40 ■ Length: 95 mm	0.4	E40170074
DN 70	DN 50	105	■ Reduction from DN 70 to DN 50 ■ Length: 105 mm	0.5	E40170075
DN 80	DN 50	125	■ Reduction from DN 80 to DN 50 ■ Length: 125 mm	0.6	E40170085
DN 80	DN 70	120	■ Reduction from DN 80 to DN 70 ■ Length: 120 mm	0.6	E40170087
DN 100	DN 70	130	■ Reduction from DN 100 to DN 70 ■ Length: 130 mm	0.8	E40170170
DN 100	DN 80	130	■ Reduction from DN 100 to DN 80 ■ Length: 130 mm	1.0	E40170180
DN 125	DN 100	160	■ Reduction from DN 125 to DN 100 ■ Length: 160 mm	1.6	E40170225
DN 150	DN 125	220	■ Reduction from DN 150 to DN 125 ■ Length: 220 mm	1.6	E40170275

Note: Please order sealing elements separately

Optimisation bends with push-in socket 1 A

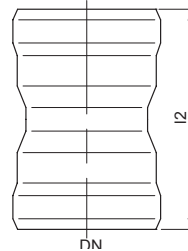
- Non-combustible, building material class A1
- According to DIN EN 1123 DN
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width		Dimensions	Weight	Item no.
DN	DN2	l1		
		[mm]	[kg]	
Length: 500 mm				
DN 70	DN 32	140	0.7	Z242231
DN 70	DN 40	140	1.3	E40175074
DN 70	DN 50	140	1.5	E40175075
DN 70	DN 70	140	2.1	E40175070
DN 100	DN 70	165	2.2	E40175170
DN 100	DN 80	159	2.5	E40175180
DN 100	DN 100	155	3.4	E40175100

Socket elements – with 2 push sockets 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately

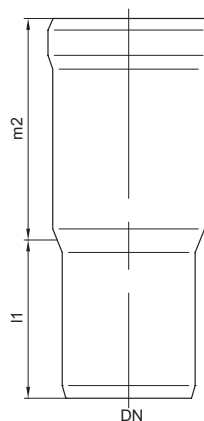


Nominal width	Dimensions	Weight	Item no.
DN	l2		
	[mm]	[kg]	
DN 40	76	0.1	E70020040
DN 50	94	0.2	E70020050
DN 70	135	0.4	E70020070
DN 80	150	0.6	E70020080
DN 100	180	1.0	E70020100
DN 125	190	1.6	E70020125
DN 150	200	2.1	E70020150
DN 200	290	5.7	E70020200

Note: Please order sealing elements separately

Push-in socket with 2 A long socket

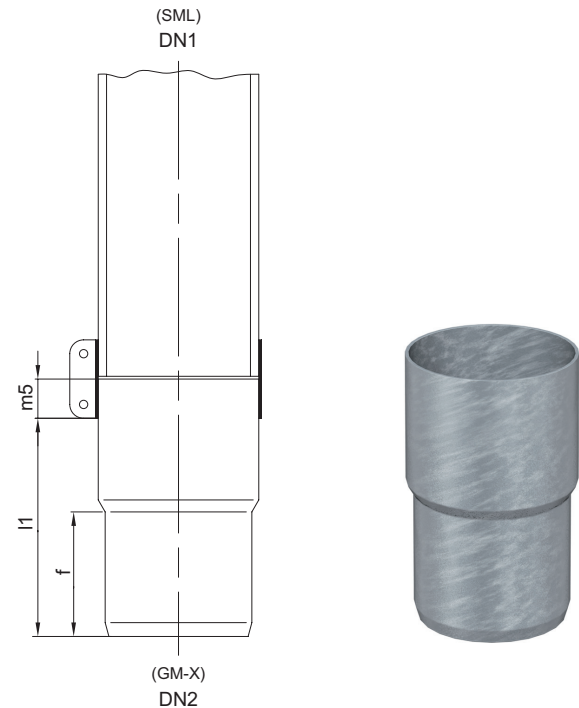
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width	Dimensions	Weight	Item no.	Price/RG
DN	l1	m2		
	[mm]	[mm]	[kg]	
DN 40	50	70	0.2	E70040040
DN 50	60	90	0.3	E70040050
DN 70	70	120	0.6	E70040070
DN 80	75	135	0.8	E70040080
DN 100	90	150	1.2	E70040100
DN 125	100	160	2.2	E70040125

Connectors from SML to GM-X, socketless

- Non-combustible, building material class A1
- According to building authority approval Z-42.1- 470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately

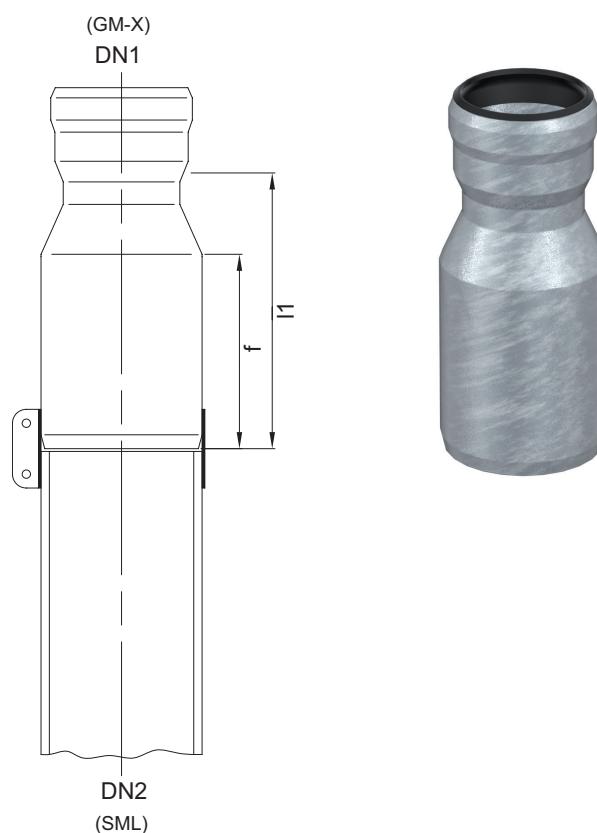


Nominal width		Dimensions			Weight	Item no.
Nominal size on GM-X	Nominal size on SML stoneware	f	l1	m5		
DN2	DN	[mm]	[mm]	[mm]	[kg]	
DN 50	DN 50	45	70.5	22.5	0.2	E60310050
DN 70	DN 70	60	85.5	22.5	0.4	E60311070
DN 80	DN 80	65	93.5	22.5	0.5	E60308080

Note: Please order sealing elements separately

Connectors from GM-X to SML with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Made of galvanised steel
- With additional inner coating
- Please order sealing element separately

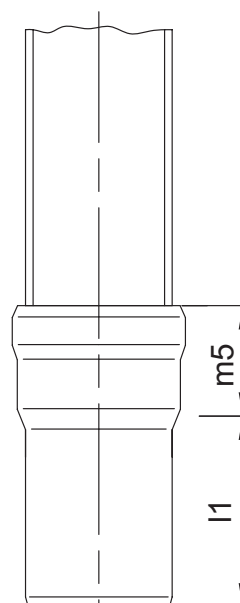


Nominal width		Dimensions		Weight	Item no.
Nominal size on GM-X	Nominal size on SML stoneware	f	l1		
DN1	DN2	[mm]	[mm]	[kg]	
DN 50	DN 50	70	95	0.3	E40200050
DN 70	DN 70	75	105	0.5	E40210070
DN 70	DN 80	75	105	0.7	E40210087
DN 70	DN 100	80	120	0.9	E40220070
DN 80	DN 80	57	74	0.8	E40215080
DN 100	DN 100	80	110	1.0	E40220100
DN 200	DN 200	140	170	5.2	E40250200

Connectors from PIPE/plastic with spigot end to GM-X with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Made of galvanised steel
- With additional inner coating
- Please order sealing element separately

d
(PIPE/KA/HT/KG)



DN
(GM-X)

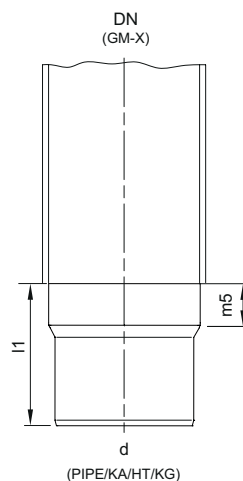


Nominal width		Dimensions		Weight	Item no.
Nominal size on GM-X	Nominal size at Pipe/KA/HT/KG	l1	m5		
DN	d	[mm]	[mm]	[kg]	
DN 50	50 mm	52	38	0.2	E60610050
DN 70	75 mm	95	50	0.5	E60420070
DN 100	110 mm	110	57	1.0	E60430100
DN 125	125 mm	130	63	1.3	E60430125
DN 150	160 mm	150	70	1.6	Z378929
DN 200	200 mm	180	80	1.9	Z378930

Note: Please order sealing elements separately

Socket-free plastic Pipe connectors to GM-X drainpipe

- Non-combustible, building material class A1
- According to building authority approval Z-42.1- 470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately

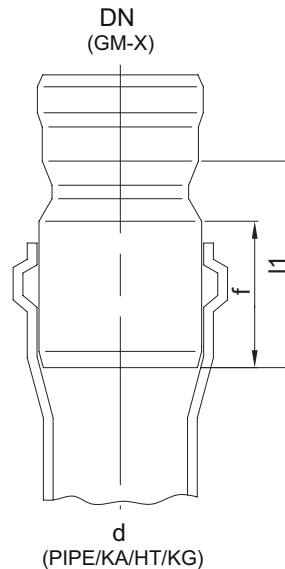


Nominal width		Dimensions		Weight	Item no.
Nominal size on GM-X	Nominal size at Pipe/KA/HT/KG	l1	m5		
DN	d	[mm]	[mm]	[kg]	
DN 250	250 mm	256	75	0.2	040316250
DN 300	315 mm	283	85	0.2	040316300

Note: Please order sealing elements separately

Connectors from GM-X to plastic socket pipe with socket 1 A

- Non-combustible, building material class A1
- According to DIN EN 1123
- Made of galvanised steel
- With additional inner coating
- Please order sealing element separately

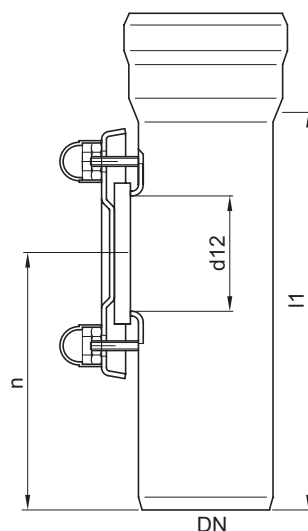


Nominal width		Dimensions		Weight	Item no.
Nominal size on GM-X	Nominal size at Pipe/KA/HT/KG	f	l1		
DN	d	[mm]	[mm]	[kg]	
DN 40	50 mm	45	60	0.2	E40300040
DN 50	50 mm	45	60	0.2	E40300050
DN 70	75 mm	60	95	0.5	E40310070
DN 70	110 mm	80	120	0.8	E40311070
DN 80	110 mm	80	115	1.3	E40311080
DN 100	110 mm	80	110	1.0	E40311100
DN 100	125 mm	80	130	1.0	E40312100
DN 125	125 mm	85	130	1.7	E40312125

Note: Please order sealing elements separately

Cleaning pipe with circular cleaning opening with socket 1 A

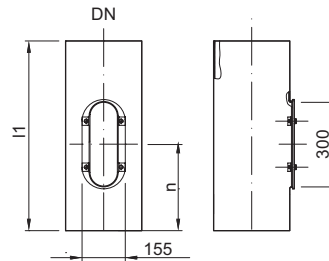
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With additional inner coating
- Please order sealing element separately



Nominal width		Dimensions		Weight	Item no.
DN	d12	l1	n		
	[mm]	[mm]	[mm]	[kg]	
DN 40	36	125	80	0.3	E70010040
DN 50	45	150	95	0.5	E70010050
DN 70	61	200	125	0.9	E70010070
DN 80	75	210	135	1.0	E70010080
DN 100	95	265	165	2.1	E70010100
DN 125	128	290	180	3.6	E70010125
DN 150	128	320	190	4.7	E70010150
DN 200	128	420	260	10.2	E70010200

Cleaning pipe socket-free – with elongated cleaning opening

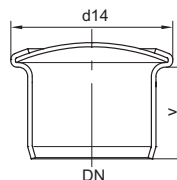
- Non-combustible, building material class A1
- According to building authority approval Z-42.1-470
- Galvanised steel
- With additional inner coating
- Please order GM-X Rapid connector separately



Nominal width	Dimensions		Weight	Item no.
DN	l1	n		
	[mm]	[mm]	[kg]	
DN 250	680	370	18.9	070015250
DN 300	680	340	22.4	070015300

Steel sealing plug

- Non-combustible, building material class A1
- According to DIN EN 1123 3
- Galvanised steel

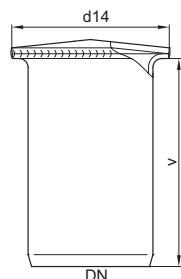


Nominal width	Dimensions		Weight	Item no.
DN	d14	v		
	[mm]	[mm]	[kg]	
DN 40	53	30	0.1	570030040
DN 50	68	38	0.1	570030050
DN 70	90	55	0.3	570030070
DN 80	110	60	0.4	570030080
DN 100	117	65	0.5	570030100
DN 125	157	75	1.0	570030125

Note: Please order sealing elements separately

Steel plug with extended spigot

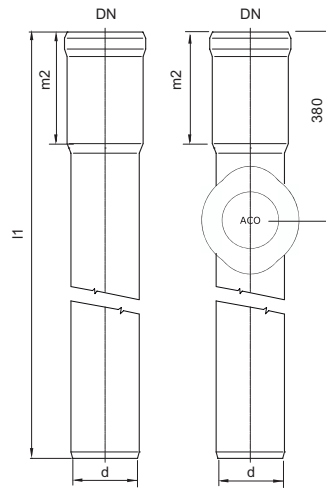
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel



Nominal width	Dimensions		Weight	Item no.
DN	d14	v		
	[mm]	[mm]	[kg]	
DN 40	53	70	0.2	570040040
DN 50	68	85	0.2	570040050
DN 70	90	100	0.4	570040070
DN 80	110	105	0.6	570040080
DN 100	117	120	0.8	570040100
DN 125	157	125	1.5	570040125

GM-X gutter pipes

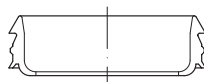
- Non-combustible, building material class A1
- According to DIN EN 1123
- Galvanised steel
- With push-in socket connection
- Hot-dip galvanised inside and out with additional internal coating



	Nominal width	Dimensions		Weight	Item no.
	DN	l1 [mm]	m2 [mm]	[kg]	
Without cleaning cover					
	DN 70	1000	120	3.3	655100070
	DN 80	1000	130	4.3	655100080
	DN 100	1000	150	5.9	655100100
	DN 125	1000	160	9.6	655100125
	DN 150	1000	170	10.9	655100150
With closed cleaning lid					
	DN 70	1000	120	3.4	653100070
	DN 80	1000	130	4.4	653100080
	DN 100	1000	150	6.0	653100100
	DN 125	1000	160	9.7	653100125
	DN 150	1000	170	11.0	653100150
With closed cleaning cover and connection to the basic pipe (110 mm)					
	DN 100	1000	150	3.8	656100100

GM-X sealing elements

- Sealing elements for GM-X pipes and pipe transitions



Nominal width	Dimensions	Item no.
DN	Description	

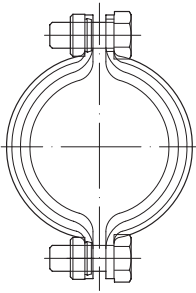
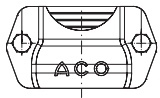
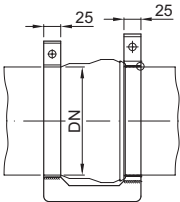
Standard gaskets for GM-X and GM-X composite pipes

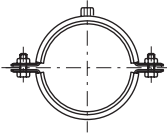
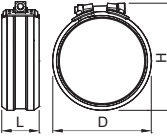
DN 32	■ For GM-X pipes	E80010032
DN 40	■ For GM-X pipes	E80010040
DN 50	■ For GM-X pipes	E80010050
DN 70	■ For GM-X pipes	E80010070
DN 80	■ For GM-X pipes	E80010080
DN 100	■ For GM-X pipes	E80010100
DN 125	■ For GM-X pipes	E80010125
DN 150	■ For GM-X pipes	E80010150
DN 200	■ For GM-X pipes	E80010200

Transition seals for GM-X and GM-X composite pipes

DN 40	■ For transition to pipe 32 mm	E80100040
DN 50	■ For transition to pipe 32 mm	E80100050
DN 40	■ For transition to tube 38 mm and Plastic siphon 40 mm	E80110040
DN 50	■ For transition to tube 38 mm and Plastic siphon 40 mm	E80110050
DN 50	■ For transition to 48 mm tube and Plastic siphon 50 mm	E80130050
DN 100	■ For transition from KA socket DN 100 to GM-X pipe DN 100	E80040100
DN 80	■ For transition from GM-X socket DN 80 to KA pipe DN 80	0174.14.82
DN 100	■ For transition from GM-X special socket DN 100 on KA pipe 110 mm	E80010110
DN 125	■ For transition from GM-X socket DN 125 to KA pipe 125 mm	E80055125

Accessories

Designation	Suitable for	Description	Item no.
 Safety clamp without notch	■ GM-X drain pipe ■ GM-X filling and ventilation line for heating oil tanks ■ Securing against axial thrust		
	□ DN 32	□ Weight: 0.2 kg	0174.85.79
	□ DN 40	□ Weight: 0.2 kg	570033040
	□ DN 50	□ Weight: 0.6 kg	570033050
	□ DN 70	□ Weight: 0.5 kg	570033070
	□ DN 80	□ Weight: 0.6 kg	570033080
	□ DN 100	□ Weight: 1 kg	570033100
	□ DN 125	□ Weight: 1.3 kg	570033125
 Safety clamp with notch	■ GM-X drain pipe ■ With notch for pipe/branch connection		
	□ DN 32	□ Weight: 0.2 kg	0174.85.98
	□ DN 40	□ Weight: 0.2 kg	570034040
	□ DN 50	□ Weight: 0.3 kg	570034050
	□ DN 70	□ Weight: 0.4 kg	570034070
	□ DN 80	□ Weight: 0.5 kg	570034080
	□ DN 100	□ Weight: 0.9 kg	570034100
	□ DN 125	□ Weight: 1.2 kg	570034125
 Safety bracket	■ GM-X drain pipe		
	■ DN 150	■ Weight: 1.8 kg	570035150
	■ DN 200	■ Weight: 2.5 kg	0174.45.10
Pipe clamp	■ GM-X drain pipe ■ GM-X filling and venting line for heating oil tanks ■ Impact pin length: 120 mm ■ Without sound insulation insert		
	□ DN 40	□ Weight: 0.1 kg	580300040
	□ DN 50	□ Weight: 0.1 kg	0174.45.61
	□ DN 70	□ Weight: 0.2 kg	580300070
	□ DN 80	□ Weight: 0.2 kg	580300080
	□ DN 100	□ Weight: 0.2 kg	580300100
	□ DN 125	□ Weight: 0.3 kg	580300125
	□ DN 150	□ Weight: 0.4 kg	580300150
GM-X Lubricant	■ GM-X drain pipe ■ GM-X composite pipe ■ Can content: 1 Kg ■ Weight: 1.1 kg		E80350001

Designation	Suitable for	Description	Item no.
Pipe clamp	■ GM-X drain pipe	■ For grub screw or hanger bolt ■ Without sound insulation insert	
	□ DN 40 □ Thread: M 8	□ Weight: 0.1 kg	580400040
	□ DN 50 □ Thread: M 8	□ Weight: 0.1 kg	580400050
	□ DN 70 □ Thread: M 8	□ Weight: 0.1 kg	580400070
	□ DN 80 □ Thread: M 10	□ Weight: 0.2 kg	580400080
	□ DN 100 □ Thread: M 10	□ Weight: 0.1 kg	580400100
	□ DN 125 □ Thread: M 12	□ Weight: 0.2 kg	580400125
	□ DN 150 □ Thread: M 12	□ Weight: 0.3 kg	580400150
	□ DN 200 □ Thread: M 12	□ Weight: 0.4 kg	580400200
 Pipe clamp	■ GM-X drain pipe	■ For grub screw or hanger bolt ■ With sound insulation insert	
	□ DN 40 □ Thread: M 8	□ Weight: 0.1 kg	580500040
	□ DN 50 □ Thread: M 8	□ Weight: 0.1 kg	580500050
	□ DN 70 □ Thread: M 8	□ Weight: 0.2 kg	580500070
	□ DN 80 □ Thread: M 10	□ Weight: 0.2 kg	580500080
	□ DN 100 □ Thread: M 10	□ Weight: 0.2 kg	580500100
	□ DN 125 □ Thread: M 12	□ Weight: 0.7 kg	580500125
	□ DN 150 □ Thread: M 12	□ Weight: 0.5 kg	580500150
 GM-X Universal connector	■ GM-X-Rapid Inox Connector DN 250	■ Against axial thrust up to 3.0 bar in connection with Rapid Inox connector DN 250	0174.83.00
	■ GM-X-Rapid Inox Connector DN 300	■ Against axial thrust up to 3.0 bar in connection with Rapid Inox connecto DN 300	0174.83.01
 GM-X-Rapid Inox Connector	■ GM-X socketless drain pipe	■ Against axial thrust up to 0.3 bar	
		■ DN 250	0174.83.02
		■ DN 300	0174.83.03

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