

# ISO-pipe-fitting

## Fittings for PE pipes, DN 1/2" – 2"

### Design features

- For PE pipes according to EN 1555-2 (DIN 8074 / 8075)
- The Hawle ISO pipe fitting is the ideal push connection for polyethylene pipes that has been tried and tested for decades.
- The function of the ISO pipe fitting is clear and simple: the O-ring made of highly elastic elastomer seals even when depressurized due to its pretension on the pipe.
- As the water pressure and pipe tension increase, the sealing and grip rings are compressed further into the conical chamber, thus increasing the sealing and gripping effect.
- The gripping and sealing functions only act on the outer diameter of the pipe.
- The joint is flexible and the fitting can be turned on the pipe without affecting the grip or seal. The installation of the fitting is quick and simple.
- The POM fitting in the new copolymer version is UV-stabilized and offers excellent long-term stability.
- The colored dust caps of the POM fitting indicate the different leading medium (gas, water) and offer protection against contamination.
- In POM fittings all internal threads are reinforced with a stainless steel ring.
- **Always** use support liner for PE pipes!
- Do not use the fitting again after dismantling!

**Temperature range:** operation: -10 °C to 50 °C  
storage: -25 °C to 70 °C

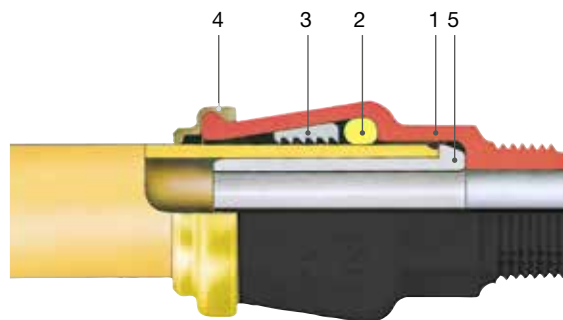
### Material | technical features

- 1 **Body** made of POM
- 2 **O-ring gasket** made of elastomer
- 3 **Clamp ring** made of POM
- 4 **Protective cap** made of elastomer
- 5 **Support liner** made of POM

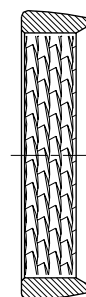
### Suitable accessories:

Extractors: No. 6010  
Support liner: No. 6031

### Made of POM



### Grip ring Interlocking teeth, made of POM



# Instruction

## ISO pipe fitting instruction for assembly and dismantling

### Assembly - for gas always use **new fittings**

<p><b>1</b></p> <p>The sealing surface of the pipe must be smooth, clean and scratch-free!</p>	<p><b>2</b></p> <p>Pipe cutter No. 6050</p>
<p><b>3</b></p> <p><b>Always</b> use support liner No. 6031</p>	<p><b>4</b></p>
<p><b>5</b></p>	<p><b>6</b></p> <p><b>NO OIL !</b></p> <p>Moisten with water or lubricants (see page 37)</p>
<p><b>7</b></p>	<p><b>8</b></p>
<p><b>9</b></p>	
<p><b>10 Pressure test</b> on installed line and exposed, unfilled connections</p>	

### Dismantling

<p><b>1</b></p> <p>Extractors No. 6010</p>
<p><b>2</b></p> <p>Pull out the pipe with a slight turn</p>
<p><b>3</b></p> <p>Disassembled fittings should be recycled!</p>

**Max. torque for tightening the threads** (observe pipe fitter rules acc. to national standards):

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
20 Nm	25 Nm	40 Nm	42 Nm	42 Nm	45 Nm

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## Fittings for PE pipes, DN 1/2" – 2"

### Design feature

- With external thread according to EN 10226-1
- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	Thread	MOP (PN)	L	E	ØD	Weight
6125	25	3/4"	4	82	58	43	0,06
	32	1"		95	70	53	0,10
	40	1 1/4"		110	82	72	0,24
	50	1 1/2"		126	99	83	0,27
	63	2"		144	110	99	0,44

### Design feature

- With internal thread according to ISO 228
- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	Thread	MOP (PN)	L	E	ØD	Weight
6225	25	3/4"	4	76	58	44	0,08
	32	1"		91	70	53	0,12
	40	1 1/4"		109	82	72	0,23
	50	1 1/2"		127	99	83	0,34
	63	2"		135	108	103	0,47

### Design feature

- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	MOP (PN)	L	E	ØD	Weight
6325	25	4	121	58	43	0,10
	32		145	70	53	0,15
	40		164	82	72	0,35
	50		200	99	83	0,57
	63		224	110	99	0,71

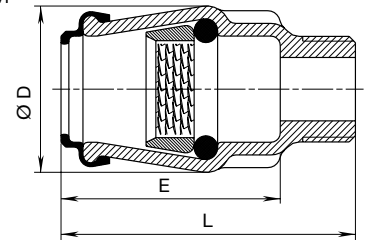
### Design feature

- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe 1	Ø Pipe 2	MOP (PN)	L	E	E1	ØD	Weight
6335	32	25	4	134	70	58	53	0,13
	40	32		156	82	70	72	0,25
	50	32		172	99	70	83	0,32
	50	40		182	99	84	83	0,42
	63	40		204	110	84	99	0,53
	63	50		213	110	99	99	0,60

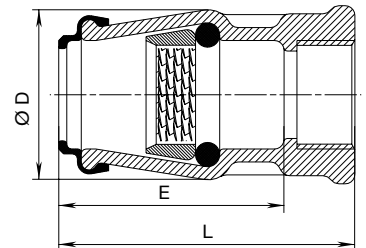
### External thread

**No. 6125** Made of POM



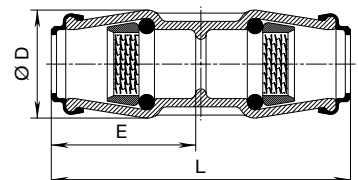
### Internal thread

**No. 6225** Made of POM



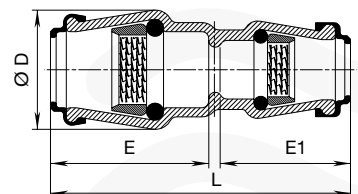
### Connector

**No. 6325** Made of POM



### Connector reduced

**No. 6335** Made of POM



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- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	MOP (PN)	L	E	ØD	Weight
6425	25	4	73	58	43	0,10
	32		87	70	53	0,18
	40		104	82	72	0,37
	50		125	99	83	0,52
	63		144	110	99	0,80

Order no.	Ø Pipe 1	Ø Pipe 2	MOP (PN)	L	E	E1	ØD	Weight
6491	40	32	4	102/87	84	70	72	0,27

### Design feature

- With internal thread according to ISO 228
- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	Thread	MOP (PN)	L	E	ØD	Weight
6435	32	1"	4	87	70	53	0,14
	40	1 1/4"		103	82	72	0,28
	50	1 1/2"		137	99	83	0,42

### Design feature

- With internal thread according to ISO 228
- For PE pipes according to EN 1555-2 (DIN 8074/8075)

Order no.	Ø Pipe	Thread	MOP (PN)	L	E	Weight
6525	32	1"	4	163	70	0,24
	40	1 1/4"		193	82	0,43
	63	2"		267	110	0,90

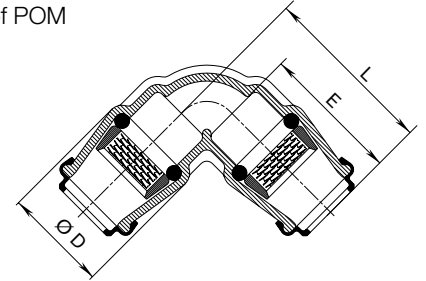
Order No.	Ø Pipe	MOP (PN)	L	E	ØD	Weight
6223	32	16	75,0	70,0	53	0,09
	50		107	101	83	0,28
	63		117	111	99	0,40

### Elbow 90°

**No. 6425** Made of POM

### Elbow 90° reduced

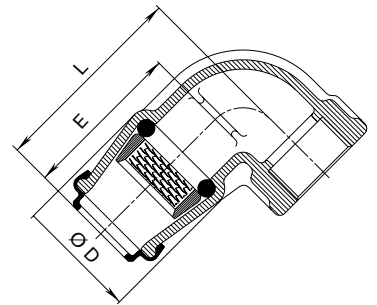
**No. 6491** Made of POM



### Elbow 90°

With internal thread

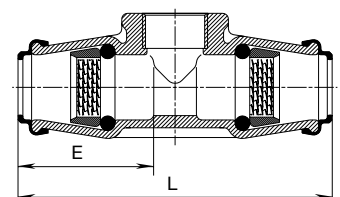
**No. 6435** Made of POM



### T-piece

with threaded outlet

**No. 6525** Made of POM



### End stop

**No. 6226** Made of POM

