

for GAS according to EN 437

The prescribed pressure test for gas valves will be attested by certificate in accordance with DIN 50049 (EN 10204) - 3.1.B.

Order no.	PN	DN / Pipe Ø (mm)	Dimensions/DN 1 Pipe Ø (mm)			
			50 63	80 90	100 110	150 160
4346 <b>E2</b>	10	80 / 90		●		
		100 / 110	●	●	●	
		150 / 160		●	●	●
		200 / 225		●	●	

## All socket tee with one integral E2Valve for PE Pipes (DIN 8075) - total restraint

The short style provides for space saving installation and lower material, labour, transport and stockholding costs.

### Material and design features:

**Stainless steel spindle** St 1.4021 (X20Cr13), with rolled thread and O ring slide faces

**O ring bush** of Ms 58

**Friction washers** of POM guarantee smooth spindle guiding

**Bonnet, body, lock ring and additional seal ring** of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693) inside and outside epoxy powder coated according to DIN 30677-T2 in accordance with DIN 3476 and all quality and test requirements of RAL quality mark 662 (GSK - Gütegemeinschaft Schwerer Korrosionsschutz - the association for high quality corrosion protection)

**Circlip** of POM

**O rings** of elastomer - DIN 3535, embedded in non-corrosive material (according to DIN 3547-T1) and replaceable under pressure (according to ISO 7259)

**Bonnet gasket, wiper ring and back seal** of elastomer - DIN 3535

**Allen screws** St 8.8 DIN 912 absolutely corrosion protected by being sunk into the body and sealed, and by passing through bonnet gasket

**Wedge nut** of dezincification resistant brass CuZn36Pb3As, generous oversizing of the required thread length in the wedge nut according to prEN 1171 (draft) guarantees highest possible breaking torques

**Wedge** of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693), inside and outside fully rubberized with vulcanized elastomer - DIN 3535, with drain hole

**Wedge guide** of wear resistant plastic with high gliding features: optimally placed design guarantees lowest wear and tear and lowest closing torques

**Edge protecting ring** of PE avoids damages during transport and storage

**Grip ring** of Ms 58 (from DN 300 Rg 7)

**Lip seal** of elastomer - DIN 3535 lubricated

**Bolts and washers** for lock ring of A2

**Spacer bush** of PE

The pipe is sealed with a lip seal.

Minimal pipe insertion force is required for pushing the pipe end into the seal chamfer with an appropriate chamfer.

The pipe restraining system is effective separately from the sealing system and is activated by tightening the lock ring.

**Use support liner !** see page D 3/1

**NEW !**



**Assembly instructions:** see page J 1/1

**Tensile load:** see page J 1/2

## Design features:

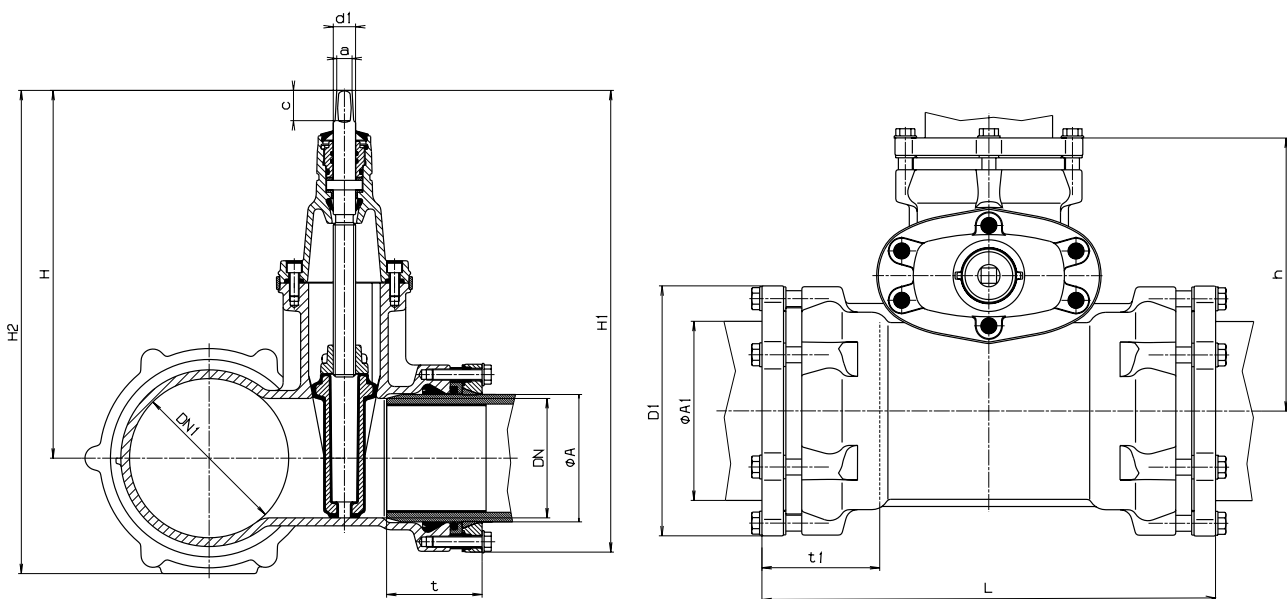
- easy retrofitting of position indicator and automatic actuator on the standard bonnet
- one extension spindle for several dimensions
- optimally placed wedge guide of wear resistant plastic guarantees lowest wear and tear and lowest closing torques, suitable for frequent operations at a differential pressure up to 16 bar
- 100 % suitable for operation by automatic actuators
- generous oversizing of the required thread length in the wedge nut according to prEN 1171 guarantees highest possible strength
- O rings embedded in non-corrosive material (according to DIN 3547-T1)
- replaceable O rings under pressure (according ISO 7259)

**Standard version:** without handwheel and extension spindle

**Special versions:** on request

**Suitable accessories:**

- Handwheel:** No. 7800
- Extension Spindles:** rigid No. 9000E2  
telescopic No. 9500E2
- Surface Boxes:** rigid No. 1755, telescopic No. 2055



DN Pipe Ø	DN 1 Pipe Ø	E2 Combi-T SYSTEM 2000				Socket				Spindle			Weight kg
		H 2	H	t	H 1	L	t1	D1	h	a	c	d 1	
80 / 90	80 / 90	412	336	101	412	336	101	150	214	17,3	35	25	21,5
100 / 110	50 / 63	346	260	95	322	314	100	172	230	14,8	30	22	17,5
100 / 110	80 / 90	422	336	101	412	344	100	172	244	17,3	35	25	24,5
100 / 110	100 / 110	460	373	100	460	364	100	172	243	19,3	38	25	29,0
150 / 160	80 / 90	453	336	101	412	384	125	234	264	17,3	35	25	32,5
150 / 160	100 / 110	490	373	100	460	404	125	234	263	19,3	38	25	36,5
150 / 160	150 / 160	580	462	125	580	454	125	234	320	19,3	38	28	53,0
200 / 225	80 / 90	481	336	101	412	450	150	312	294	17,3	35	25	51,0
200 / 225	100 / 110	518	373	100	460	470	150	312	303	19,3	38	25	55,0