

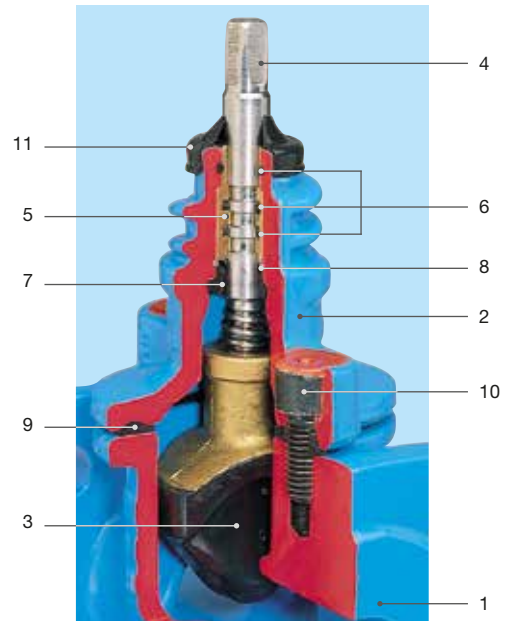
# Service valve

## Overview

### Design features

#### Ductile iron valve

- **Resilient seated gate valve** with smooth and straight-through bore
- Flange valve
- Valve with ISO-fitting
- Valve with thread
- Service valve for PE fusion
- Service valve
- Service valve with drainage
- 2 O-rings mounted on all sides in rust-proof material
- Spindle bearing made of brass
- Threaded connection for extension spindle
- Suitable for all underground installations
- For service connection fittings made of ductile iron with external thread, the free lying threads must be protected against corrosion according to trade regulations after assembly



### Material | Technical features

- 12 **Body (1), bonnet (2)** made of ductile iron, epoxy powder coated inside and out (see page 4)
- 3 **Wedge** made of brass, with vulcanised elastomer
- 4 **Duplex stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- 5 **Spindle bearing** (O-ring carrier) made of brass
- 6 **O-rings** made of elastomer
- 7 **Back seat** made of elastomer
- 8 **Retaining ring** made of stainless steel
- 9 **Bonnet gasket** made of elastomer
- 10 **Internal hexagonal screws** recessed and absolutely corrosion protected through casting compound
- 11 **Wiper ring** made of elastomer

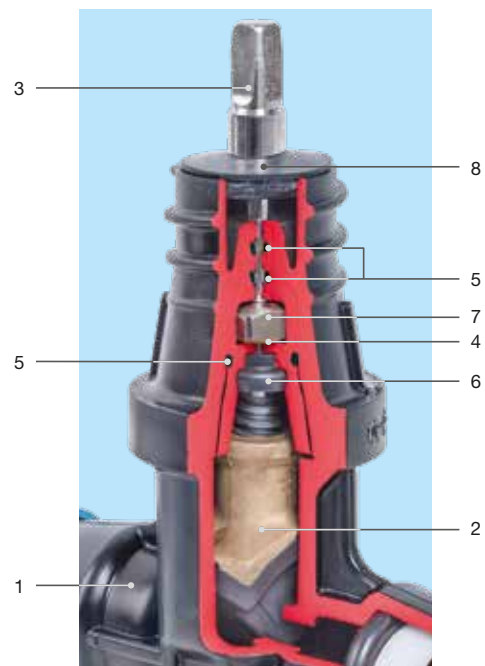
### Design features

#### Valve made of POM

- **Resilient seated gate valve** with smooth and straight-through bore
- Valve with ISO-fitting
- Valve with Hawle-Fit socket
- Valve with thread
- Service valve for PE fusion
- Service valve
- Bonnet with body homogeneously connected through rotational welding
- 2 O-rings for spindle sealing
- Spindle bearing made of brass
- Overload protection
- Threaded connection for extension spindle
- Suitable for all underground installations

### Material | Technical features

- 1 **Body** made of POM
- 2 **Wedge** made of brass, with vulcanised elastomer
- 3 **Duplex stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- 4 **Spindle bearing** made of brass
- 5 **O-rings** made of elastomer
- 6 **Back seat** made of elastomer
- 7 **Overload protection** made of stainless steel
- 8 **Wiper ring** made of elastomer



# Service valve

With internal and external threads / ISO-fitting



## Design features

- Resilient seated gate valve with smooth straight-through bore
  - Internal thread ISO 228, external thread EN 10226-1
  - Service valve fitted with a corrosion protection ring to prevent corrosion
  - For service valves with external thread, the free lying threads must be protected against corrosion according to the trade regulations after assembly
  - **No. 2800:** Internal thread for assembly of a drilling machine for drilling under pressure
  - For PE-pipes according to EN 12201 and DIN 8074 | to PN 16; up to 30 °C medium temperature
- Pipe guide nipple serves for precise guidance of the PE pipe and as corrosion protection of the internal thread

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

**Special versions:** on request

## Material | Technical features

- **Body and bonnet** made of ductile iron
- **Corrosion protection ring** made of elastomer
- **Pipe guide nipple** made of PE

## Suitable accessories

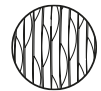
**Suitable accessories:** see page J 1/2

Handwheel:		No. 7800
Extension spindle:	rigid	No. 9101
	telescopic	No. 9601
Surface box:	rigid	No. 1550, No. 1650
	telescopic:	No. 1850, No. 1851K
Spindle extension:		No. 7820
Sealing cap:		No. 2156, No. 2157
Chamfering tool:		No. 6000
Saddle blades:		No. 6010
Pipe cutter:		No. 6050
Mounting spray:		No. 3443
Drilling machine:		No. 5800, No. 5805

## No. 2520



## No. 2800



STRUCTURE  
of grip ring for  
PE pipes

Order No.	Version	MOP (PN)	Dimensions/DN			
			1"	1¼"	1½"	2"
2520	1 internal thread	16				
	1 external thread					
2800	1 external thread					
	1 ISO-fitting for PE pipe					
	1 internal thread					

No. 2800 can be adapted for PVC pipe with grip ring „2K“ at extra cost

## Application example



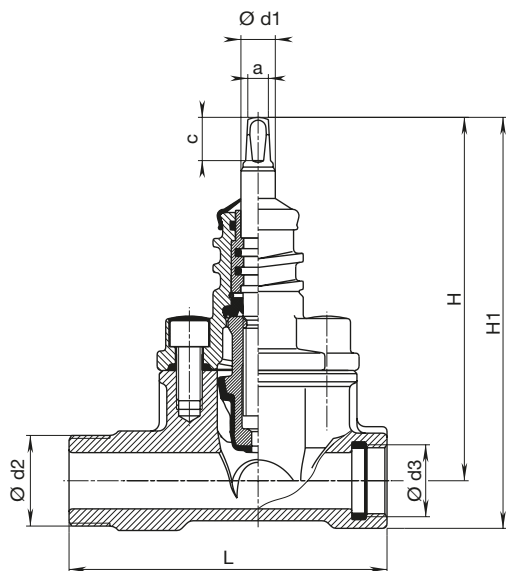
# Service valve

With internal and external threads / ISO-fitting

## Service valve, ductile iron

With one internal thread ISO 228 and one external thread EN 10226-1

### No. 2520

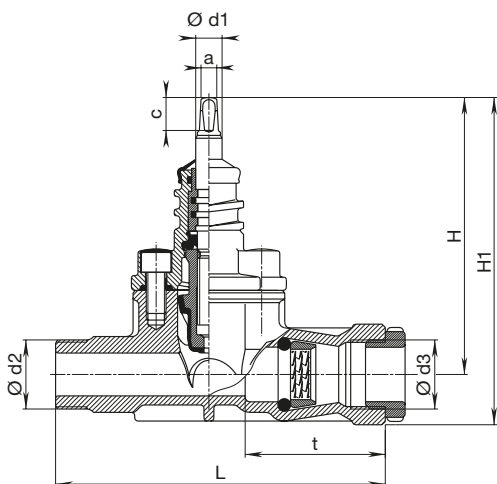


DN	Valve					Spindle			Weight
	Ø d2	Ø d3	L	H	H1	a	c	Ø d1	
1"	1 1/4"	1"	148	164	191	10,3	20	16	2,40
1 1/4"	2"	1 1/4"	167	200	234				3,80
1 1/2"	2"	1 1/2"	167	200	238				4,00
1 1/2"	1 1/2"	1 1/2"	167	200	238				4,00
2"	2"	2"	172	219	264				4,60

## Service valve, ductile iron

1 external thread EN 10226-1, 1 ISO-fitting, 1 internal thread ISO 228

### No. 2800



DN	Valve							Spindle			Weight
	Ø pipe ext.	Ø d2	Ø d3	t	L	H	H1	a	c	Ø d1	
1"	32	1 1/4"	1 1/4"	85	200	164	193	10,3	20	16	2,72
1 1/4"	40	2"	1 1/2"	101	245	200	234				4,46
1 1/2"	50	2"	2"	121	255	200	239				4,90
2"	63	2"	2 1/2"	137	264	219	267				6,81