

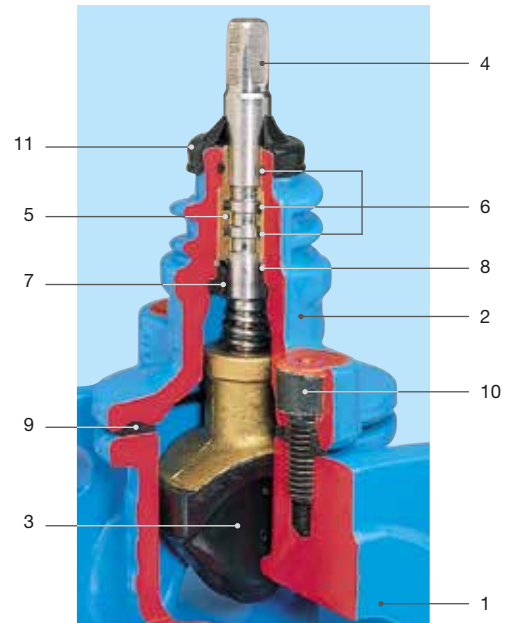
Service valve

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



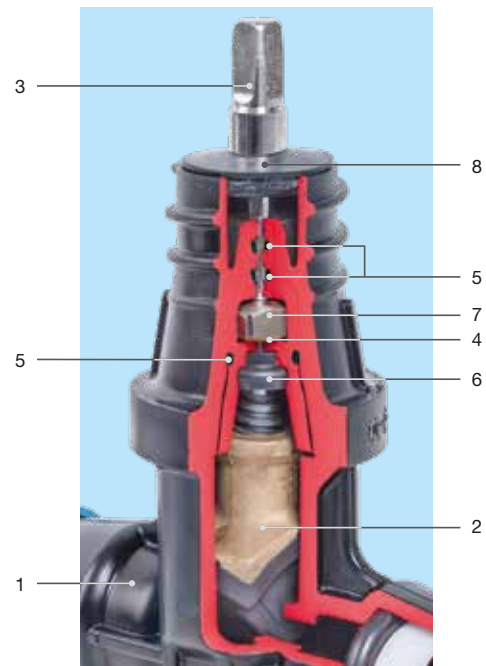
Material | Technical features

- 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

Hawlinger pipe drilling saddle

Made of ductile iron

Design features

- Robust and simple construction
- In open position: clear, unobstructed waterway
- Working parts not in contact with water
- Just half a turn to open or close
- Outlet is 1", 1¼" and 1½" internal thread on all models and sizes
- **No. 2402:** Supplied complete with plastic operating key
- **No. 2402 and No. 2300**
 Internal thread 1" drilling-Ø max. 24
 Internal thread 1¼" drilling-Ø max. 24
 Internal thread 1½" drilling-Ø max. 35

Material | Technical features

- **Body** of ductile iron, epoxy powder coated
- **Eccentric disc and shut-off plate** made of stainless steel
- **Strap (No. 3110)** made of stainless steel
- **Seals** made of elastomer

Suitable accessories

- Suitable accessories:** see page J 1/2
- Extension spindle:
 rigid No. 9101
 telescopic No. 9601
- Surface box:
 rigid No. 1550, No. 1650
 telescopic: No. 1850, No. 1851K
- Spindle extension:
 No. 7820
- Drill:
 No. 5800, No. 5805

No. 2402



No. 2300



No. 2200

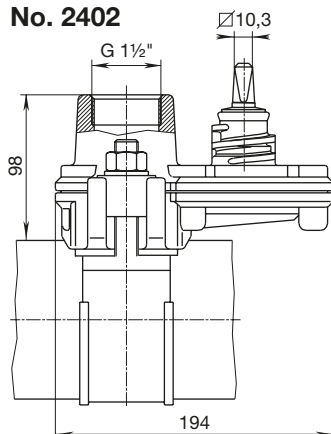


Order No.	Version	MOP (PN)	Internal thread ISO 228	Dimensions/DN						
				80	100	125	150	200	250	300
2402	Universal-Hawlinger ductile iron, steel and AC pipes	16	1"							
			1¼"							
			1½"							

Order No.	Version	MOP (PN)	Internal thread ISO 228	Ø pipe		
				90	110	160
2300	HAKU-Hawlinger PE and PVC pipes	16	1"			
			1¼"			
			1½"			

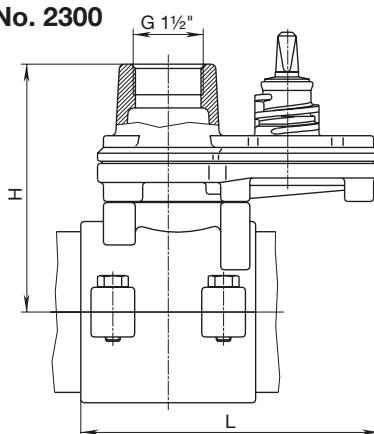
Order No.	Version	MOP (PN)	Internal thread ISO 228	External thread EN 10226-1	
				1½"	2"
2200	Hawlinger adapter for use with any pipe saddle	16	1½"		

No. 2402



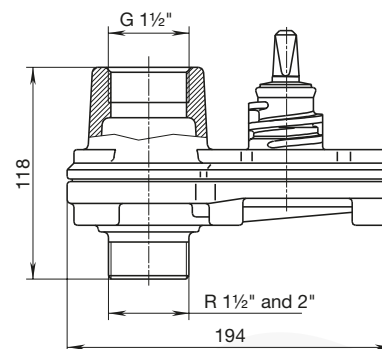
DN	Weight	DN	Weight
80	6,20	200	6,50
100	6,20	250	6,60
125	6,30	300	6,80
150	6,40		

No. 2300



DN	Ø pipe	L	H	Weight
80	90	194	146	7,00
100	110	194	160	7,40
150	160	194	188	9,00

No. 2200



Hawlinger adapter

R 1½" drilling-Ø max. 28
 R 2" drilling-Ø max. 35
 Weight: 4,70