

for ductile cast iron pipes to ÖNORM M 6072 – DIN 28603

Order no.	Application	PN	Dimensions/DN						
			80	100	125	150	200	250	300
4500E2	for water and non aggressive effluent other applications on request	16	●	●	●	●	●	●	●

Hawle Stop / Pipe-Lock-Ring* for restraint

Order no.	Dimensions/DN						
	80	100	125	150	200	250	300
NL 80	●	●	●	●	●		
1200						●*	●*

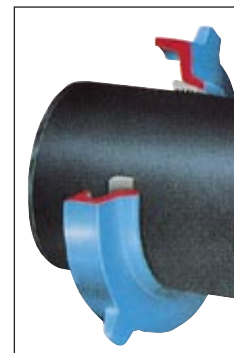
of ductile iron, epoxy powder coated
locking ring of ductile iron

This is assembled onto the socket by the bayonet closure principle, which involves hammering the lug to tighten the grip ring.

For installation with deflection of up to 3°:

- put the Hawle Stop/Pipe-Lock-Ring loosely on the bayonet closure
- deflect the pipe as required
- hammer the Hawle Stop/Pipe-Lock-Ring tight

Without the Pipe-Lock-Ring restraint assembly, an angle of up to 5° is possible within the socket.

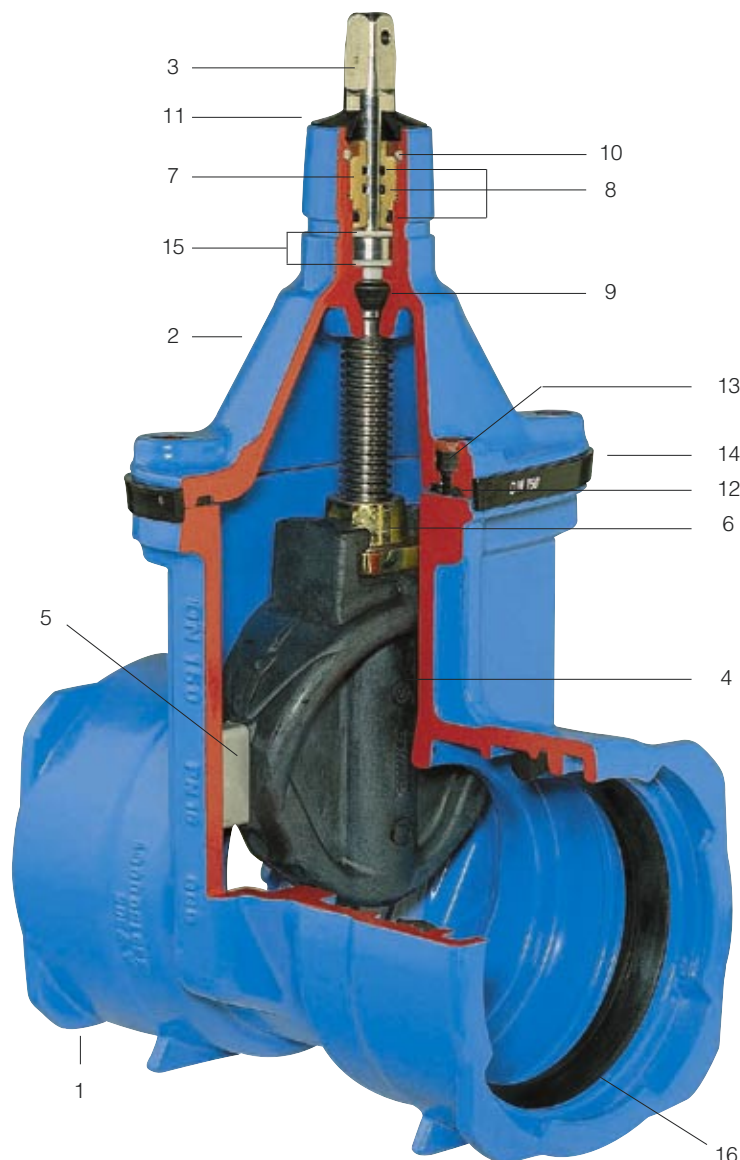


Resilient seated gate valve with sockets for cast iron pipes

of ductile iron

epoxy powder coated

- Body (1) and Bonnet (2)** 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)
- Stainless steel spindle** St 1.4021 (X20Cr13), with rolled thread
- Wedge** of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693), inside and outside fully rubberized with vulcanized elastomer, suitable for potable water, with drain hole
- Wedge guide** of wear resistant plastic with high gliding features; optimally placed design guarantees lowest wear and lowest closing torques
- Wedge nut** of dezincification resistant brass CuZn36Pb3As, generous oversizing of the required thread length in the wedge nut guarantees highest possible breaking torques
- O ring bush** of Ms 58
- O rings** of elastomer, embedded in non-corrosive material (according to DIN 3547-T1) and replaceable under pressure (according to ISO 7259) up to DN 200, for DN 250 and higher without pressure
- Back seal** of elastomer, suitable for potable water
- Circlip** aus POM
- Wiper ring** of elastomer
- Bonnet gasket** of elastomer, suitable for potable water
- Allen screws** St 8.8 DIN 912 absolutely corrosion protected by being sunk into the body and sealed, and by passing through bonnet gasket
- Edge protecting ring** of PE avoids damages during transport and storage
- Friction washers** of POM guarantee smooth spindle guiding
- Socket seal** of elastomer, suitable for potable water



E2 Elypso Valve Socket Ends for ductile cast iron pipes

Standard version: without handwheel and extension spindle

Design versions: for electric actuator: No. 4500ELE2
with position indicator: No. 4500STE2

Special versions: on request!

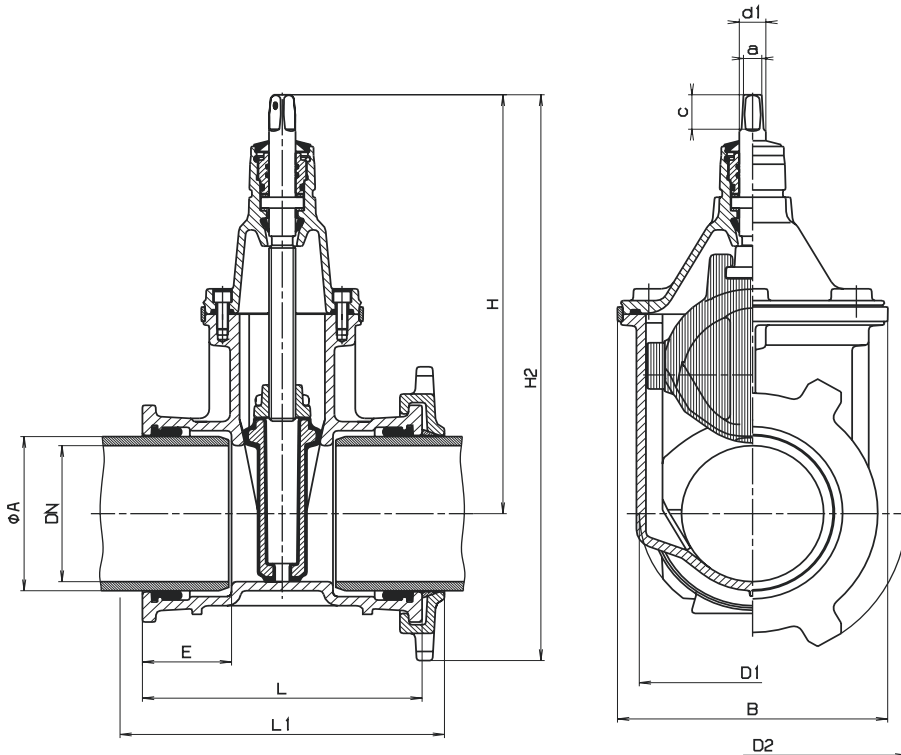
Suitable accessories: **Handwheel:** No. 7800

Extension Spindles:
rigid No. 9000E2, for DN 250 and higher No. 9000
telescopic No. 9500E2, for DN 250 and higher No. 9500

Surface Boxes:
rigid No. 1750, telescopic No. 2050

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 guarantees highest possible strength
- O rings embedded in non-corrosive material (according to DIN 3547-T1)
- replaceable O rings
 - up to DN 200 under pressure (according ISO 7259)
 - from DN 250 without pressure
- cleaning with pig possible



DN	Pipe-Ø A	Valve								Spindle			Hawle Stop Pipe-Lock-Ring*
		D1	E	H	H 2	L	L1	B	Weight	a	c	d 1	Weight/kg
80	98	165	110	336	456	300	357	180	14,5	17,3	35	25	3,7
100	118	187	105	373	505	300	355	213	20,0	19,3	38	25	4,7
125	144	213	115	450	595	345	400	285	26,0	19,3	38	28	5,0
150	170	239	115	462	624	340	400	285	34,5	19,3	38	28	5,5
200	222	302	125	563	757	365	440	357	56,0	24,3	48	32	9,6
250	274	360	105	670	895	335	402	432	104,0	27,3	48	36	11,2*
300	326	421	110	753	1008	355	420	518	155,0	27,3	48	36	14,0*