

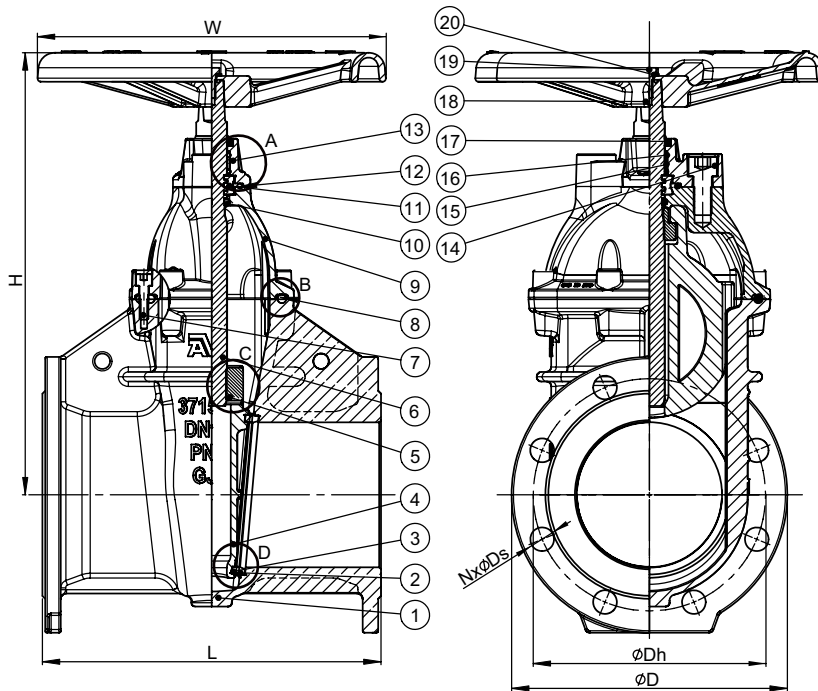
Flanged gate valves, designed according to EN1074 part 1 & 2, Face to face according to EN 558 table 2 basic series 15.
Standard flange drilling to EN1092-2 (ISO 7005-2)

Use:	For water, sewage and neutral liquids to max. 70°C
Hydraulic tests:	Seat: 1.1 x PN Body: 1.5 x PN
Applicable Standards:	To EN 1074 Part 1 & 2 : 2000
Options:	Stemcap Bevel or spur gearbox Extension spindle Street cover

Materials:

Body	Ductile Iron EN 1563 EN-GJS-500/7
Bonnet	Ductile Iron EN 1563 EN-GJS-500/7
Wedge	Ductile Iron EN 1563 EN-GJS-500/7
Handwheel	Ductile Iron EN 1563 EN-GJS-500/7
Seats/Faces	Gunmetal EN 1982 CC491K(LG2)
Wedge Nut	Aluminium bronze EN 1982 CC331G(AB1)
Stem	Aluminium bronze CA104
Bushing	Nylon
O-rings	EPDM
Gasket	EPDM
Fasteners	Zinc plated mild steel(FZV)
Coating	Internal and external blue fusion bonded epoxy(150 microns)WRAS





A. Stem sealing

Stem sealing replaceable under pressure with three independent stem seals:

- A wiper ring protects against dirt from outside.
- A polyamid bearing with 2 EPDM O-rings ensures low friction.
- An O-ring protects the thrust collar and prevents leakage when replacing stem seals under pressure.

B. Body/bonnet connection

The unique assembly of the valve body and bonnet ensures a durable tightness:

A round rubber bonnet gasket fits into a recess in the valve bonnet preventing it from being blown out by pressure surges.

C. Wedge nut

The wedge nut is made of aluminium bronze with lubricating abilities providing optimum compatibility with the stem.

D. Wedge

The wedge is made from ductile iron with gunmetal face rings which are machined to a fine surface finish to ensure optimum contact seal with body seat rings. The wedge face rings are accurately machined and firmly secured to the wedge. The guides in the wedge ensure uniform closure regardless of high pressures. The wedge has a large through bore housing for the stem that ensures no stagnant water or impurities can collect. The wedge is fully protected by a coating of fusion bonded epoxy.

Component list

1. Body
2. Seat ring
3. Face ring
4. Wedge
5. Wedge nut
6. Stem
7. Socket head bolt
8. Bonnet gasket
9. Bonnet
10. O-ring
11. Thrust collar
12. O-ring
13. Gland
14. Socket head bolt
15. Bushing
16. O-ring
17. Wiper ring
18. Handwheel
19. Bolt
20. Washer

Reference nos. and dimensions

AVK ref. nos.	DN mm	PN drilling	L mm	H mm	W mm	D mm	Dh mm	Ds mm	Number of bolts	Theoretical weight kg
37-050-70-61004115	50	10/16	250	289	280	165	125	19	4	15
37-080-70-61004115	80	10/16	280	334	280	200	160	19	8	25
37-100-70-61004115	100	10/16	300	366	320	220	180	19	8	33
37-150-70-61004115	150	10/16	350	457	360	285	240	23	8	51
37-200-70-60004115	200	10	400	556	500	340	295	23	8	93
37-200-70-61004115	200	16	400	556	500	340	295	23	12	93
37-250-70-60004115	250	10	450	627	500	405	350	23	12	124
37-250-70-61004115	250	16	450	627	500	405	355	28	12	124
37-300-70-60004115	300	10	500	708	500	455	400	23	12	181
37-300-70-61004115	300	16	500	708	500	455	410	28	12	181