

610

INDEX NO.

OVERGROUND HYDRANT BREAKABLE DN100 DOUBLE OR SINGLE CLOSING



APPLICATION

Waterworks and fire-fighting installations.

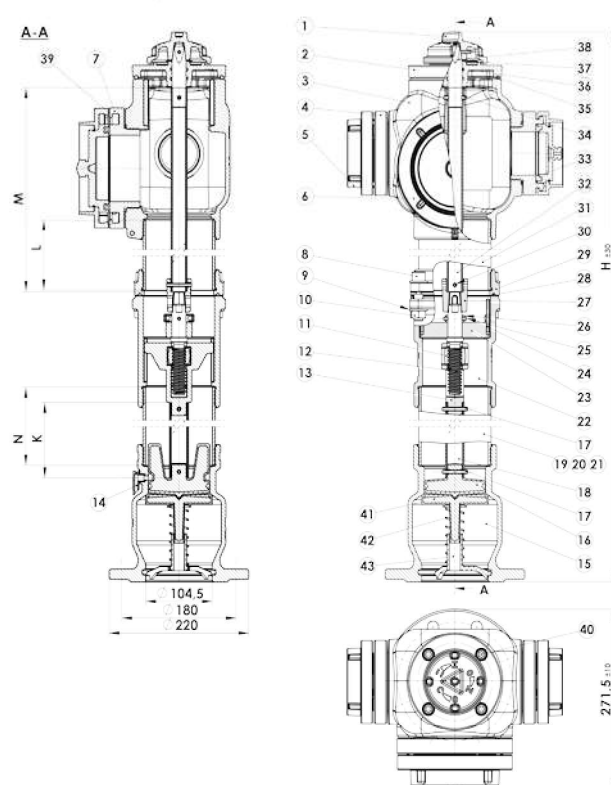
DESIGN FEATURES

- head, base - ductile iron EN GJS-500-7
- column:
 - 610A - carbon steel S235JR
 - 610B - stainless steel (0H18N9 / AISI 304 / 1.4301)
 - 610C - ductile iron (EN GJS-500-7 / 5.3200 / EN JS1030)
 - 610D - carbon steel S235JR hot dip galv.
- rolled stem made of stainless steel (2H13, AISI 420, 1.4021)
- protection against breaking
- stem seal - o-ring
- self - draining when fully closed
- rod - stainless steel
- special A2 bolt at the breaking point
- double or single piston closing system
- closing pistons - ductile iron, fully vulcanised with EPDM
- internal elements may be replaced without the need to dig the hydrant out under pressure (with the gate valve fully open)
- corrosion protection:
 - external - polyester RAL3000, min. 250 µm, UV resistant
 - internal - epoxy coating approved for contact with drinking water
- optionally - brass bushing at piston working location

TECHNICAL DATA / STANDARDS

- design, requirements, test methods, application acc. PN-EN 14339, PN-EN 1074-6
- material acc. PN-EN 1563, PN-79/H-74244, PN-EN 10088-1
- flange PN16 acc. PN-EN 1092-2
- base B75 acc. PN-M-51038
- base A110 acc. PN-M-51038
- operating wrench acc. PN-63/M-74085, DIN 3223

No.	Part	Material	Standard
1	Operating nut	EN GJS-500-7	PN-EN 1563
2	Cover HN DN100	EN GJS-500-7	PN-EN 1563
3	Head HN DN100	EN GJS-500-7	PN-EN 1563
4	Base 75	Ak-11 / Aluminium	PN-91/M-51038
5	Cover 75	Ak-11 / Aluminium	PN-91/M-51024
6	Cover 110	Ak-11 / Aluminium	PN-91/M-51024
7	Base 110	Ak-11 / Aluminium	PN-91/M-51038
8	Special bolt	A2	PN-EN ISO 4762
9	Washer	A2	PN-EN ISO 7089
10	Nut	A2	PN-EN ISO 4032
11	Nut Tr	CW617N	PN-EN 12164
12	Bolt Tr	1.4021	PN-EN 10088-1
13	Rod DN100	EN GJS-500-7	PN-EN 1563
14	Drainage plug	PE	PN-89/C-89286
15	Base DN100	EN GJS-500-7	PN-EN 1563
16	Closing piston DN100	EN GJS-500-7	PN-EN 1563
17	Pin	Spring steel	PN-EN ISO 8752
18	Bottom rod	S235JR / Zn5 / A2	PN-EN 10088-1
19, 20, 21	Underground column	S235JR / A2 / EN GJS-500-7 / S235JR hot dip galv.	PN-79/H-74244 PN-EN 10088-1 PN-EN 1563
22	Bottom break-away flange DN100	EN GJS-500-7	PN-EN 1563
23	Lock DN100	EN GJS-500-7	PN-EN 1563
24	Pin	Spring steel	PN-EN ISO 8752
25	Pin	Spring steel	PN-EN ISO 8752
26	Distance bushing	1.4021	PN-EN 10219
27	Base N03	EN GJS-500-7	PN-EN 1563
28	O-ring	EPDM	PN-EN 681-1
29	Top flange DN100	EN GJS-500-7	PN-EN 1563
30	Pin	Spring steel	PN-EN ISO 8752
31	Underground column	S235JR / A2 / EN GJS-500-7 / S235JR hot dip galv.	PN-79/H-74244 PN-EN 10088-1 PN-EN 1563
32	Top rod	S235JR / Zn5 / A2	PN-EN 10219-2 PN-EN 10088-1
33	O-ring	EPDM	PN-EN 681-1
34	Pin	Spring steel	PN-EN ISO 8752
35	Special seal	EPDM	PN-EN 681-1
36	O-ring	EPDM	PN-EN 681-1
37	Washer	1.4301	PN-EN 10088-1
38	Top end	1.4021	PN-EN 10088-1
39	O-ring	EPDM	PN-EN 681-1
40	Bolt	S235JR / Zn5	PN-EN ISO 4762
41	Bottom closing piston	EN GJS-500-7 + EPDM	PN-EN 1563 PN-EN 681-1
42	Tightening spring	Spring steel	PN-EN ISO 8752
43	Piston guide	PE	PN-89/C-89286



DN	Height H [mm]	Installation depth Rd [mm]	Weight [kg]
100	1950	1000	55,3
100	2150	1250	58,0
100	2350	1500	60,7