

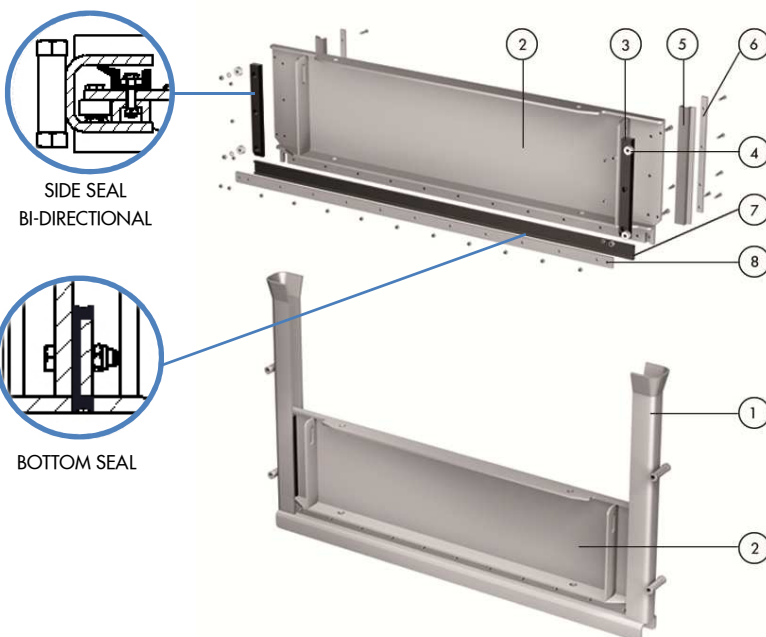
The SL stop log is a stainless steel three-side sealing penstock composed of several logs that fit on top of each other in the frame, designed for open channel installations and suitable for different type of applications in the water and wastewater treatment plants, irrigation, dams and reservoirs, etc. By adding or removing logs, the SL stop log allows for channel flow control and are also ideal for maintenance and repair works, as well as for flood control and diversion

## Product description:

- Bi-directional
- Size range of 200x200 up to 2000x2000
- Seating and unseating head pressure of the total height of the logs
- Stainless steel fabricated construction. Different stainless steel grades available
- No actuator, hand operated with lifting poles or with auxiliary lifting devices
- Designed according to DIN 19569. In general accordance with BS 7775 also available

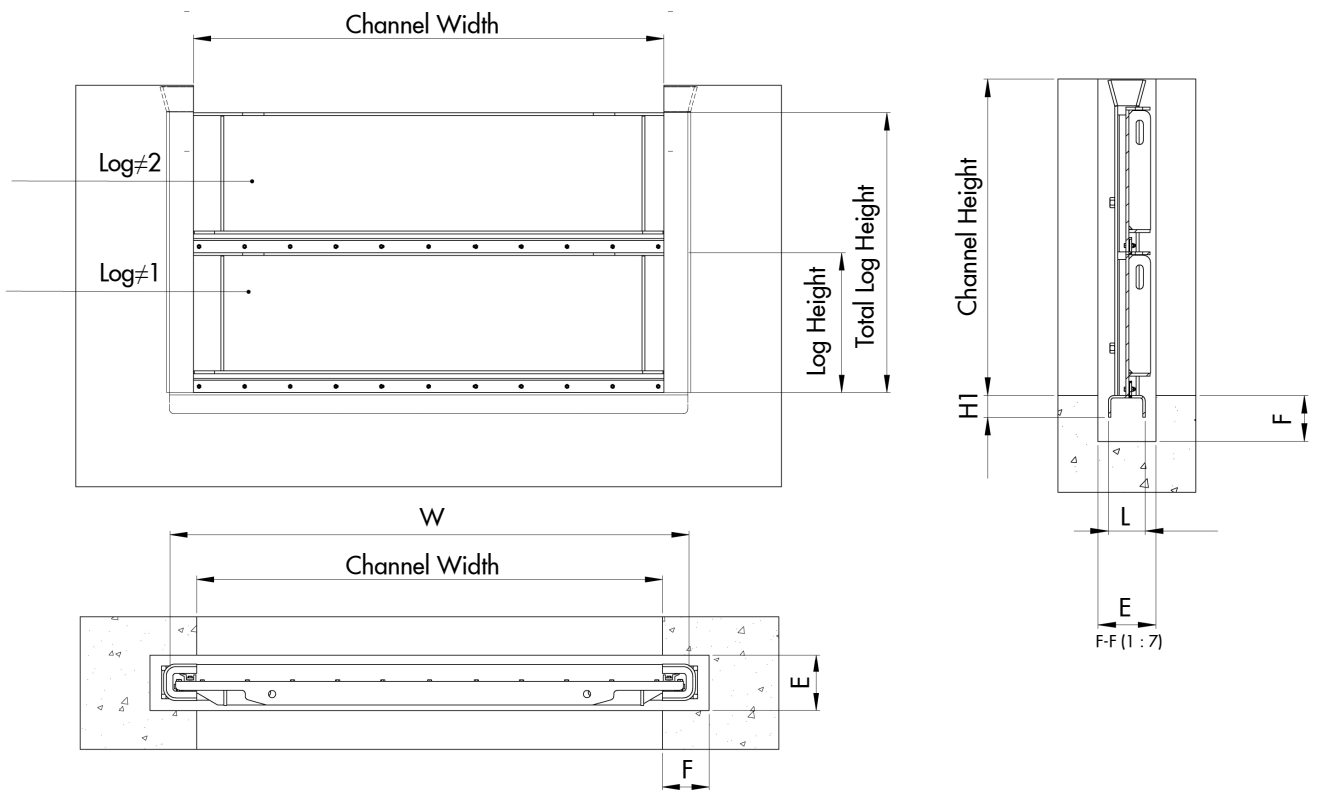
## Features:

- Open- frame configurations
- Interchangeable log design.  
Vertical and horizontal seals to prevent leak between logs
- HMWPE gate guides for low friction during operation, minimizing thrust and maximizing seal life
- Self-adjusting lip EPDM seal design, without wedges. The log is designed to seal at the bottom due to its own weight
- Mounting options: usually embedded in concrete, also face-mounted in existing channel and wall mounted at the end of the channel
- Flush bottom design
- Leakage rate as per DIN 19569-4 Class 1



## STANDARD MATERIAL OF CONSTRUCTION

| ITEM | DESCRIPTION          | MATERIAL (standard)   |
|------|----------------------|-----------------------|
| 1    | Frame                | AISI 304L / AISI 316L |
| 2    | Log                  | AISI 304L / AISI 316L |
| 3    | Guides               | Polyethylene (HMWPE)  |
| 4    | Gate Bearing         | Polyethylene (HMWPE)  |
| 5    | Seal                 | EPDM                  |
| 6    | Seal Retainer        | AISI 304L / AISI 316L |
| 7    | Bottom Seal          | EPDM                  |
| 8    | Bottom Seal Retainer | AISI 304L / AISI 316L |



| SIZE (mm)<br>Channel Width | SIZE (mm)<br>Channel Height | W    | L   | H1 | E x F     |
|----------------------------|-----------------------------|------|-----|----|-----------|
| 150                        | 150                         | 321  | 80  | 30 | 120 x 100 |
| 200                        | 200                         | 371  | 80  | 30 | 120 x 100 |
| 300                        | 300                         | 471  | 80  | 30 | 120 x 100 |
| 400                        | 400                         | 571  | 80  | 30 | 120 x 100 |
| 500                        | 500                         | 671  | 80  | 30 | 120 x 100 |
| 600                        | 600                         | 776  | 90  | 45 | 120 x 100 |
| 700                        | 700                         | 876  | 90  | 45 | 120 x 100 |
| 800                        | 800                         | 976  | 90  | 45 | 120 x 100 |
| 900                        | 900                         | 1076 | 90  | 45 | 120 x 100 |
| 1000                       | 1000                        | 1176 | 90  | 45 | 120 x 100 |
| 1100                       | 1100                        | 1276 | 110 | 60 | 250 x 125 |
| 1200                       | 1200                        | 1376 | 110 | 60 | 250 x 125 |
| 1300                       | 1300                        | 1476 | 110 | 60 | 250 x 125 |
| 1400                       | 1400                        | 1576 | 110 | 60 | 250 x 125 |
| 1500                       | 1500                        | 1576 | 110 | 60 | 250 x 125 |
| 1600                       | 1600                        | 1814 | 215 | 90 | 250 x 125 |
| 1700                       | 1700                        | 1914 | 215 | 90 | 250 x 125 |
| 1800                       | 1800                        | 2014 | 215 | 90 | 250 x 125 |
| 1900                       | 1900                        | 2114 | 215 | 90 | 250 x 125 |
| 2000                       | 2000                        | 2214 | 215 | 90 | 250 x 125 |

Above sizes and dimensions for bidirectional stop logs embedded in concrete

NOTE:

These dimensions are only for reference. Do not use for installation or submittal purposes.

For dimensions or mounting positions other than those indicated above, please contact ORBINOX