ESAREKA

STOP LOG

The Water Isolation Solution

- Superb Water Tightness
- Durability
- Control Water Level
- Channel and Wall Mounted
- Semi Automatic Lifting Device

An alternative flow control device for low leakage solution

INTRODUCTION

Esareka Sdn Bhd is an international manufacturer of quality stainless steel penstock / sluice gate / slide gate / stop log for waste water and water related industries with an in house design engineering team, R&D team, machinery and all around experience workers.

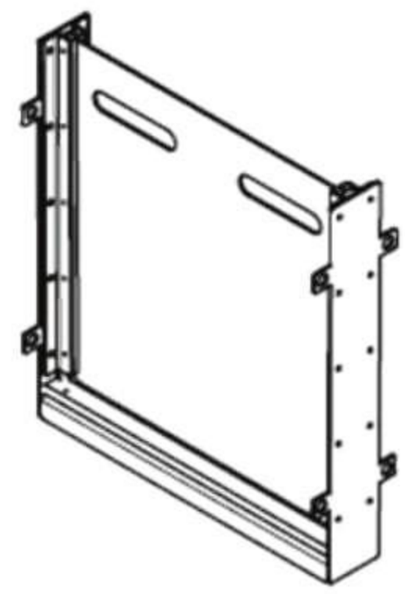
Esareka begins with the incorporation in Malaysia in year 2002. The company begins with a humble beginning as a stainless steel workshop located in Puchong, Selangor. Together with the rapid development in Malaysia, the company has made progress to become a diversified multi integrated fabricator and distribution centre with it's own factories at Nilai, Negeri Sembilan. Together with a proven supply chain management record, Esareka poised to be the leading penstock / sluice gate / slide gate / stop log manufacturer in Malaysia.

As fast growing company, Esareka believes strongly in continuous improvement as core in business operation, Esareka has invested significantly in meeting and improving its performance in safety and environmental excellence.

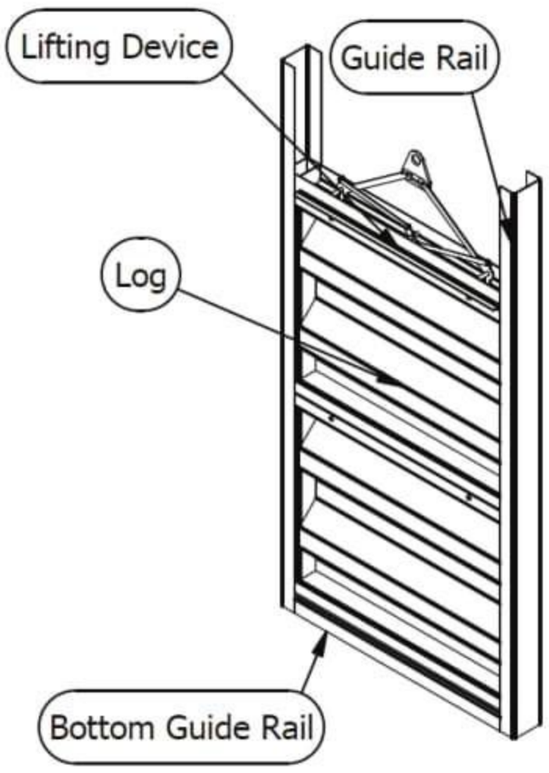
GENERAL DESCRIPTION

The Esareka Stop Log is designed for open channel installations for temporary isolation and flow control. Stop Logs are ideal for maintenance and repair works or flood control and diversion.

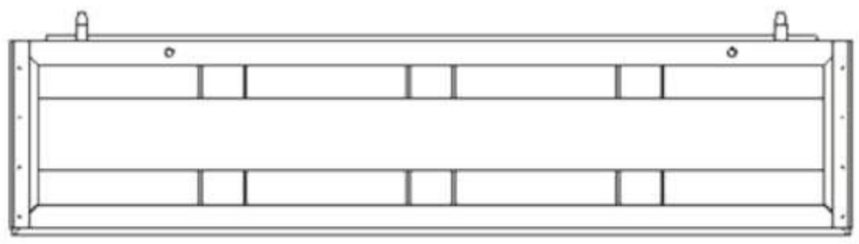
The logs are stacked on top of each other in the frame guides. The water level is controlled by adding or removing logs. The sealing system is bidirectional (suitable for flows in either direction) and allows to achieve very low leakage rates.
The frame can be made of aluminium, mild steel or stainless steel and it can be designed to be embedded in concrete, wall mount or face mounted in a existing channel.



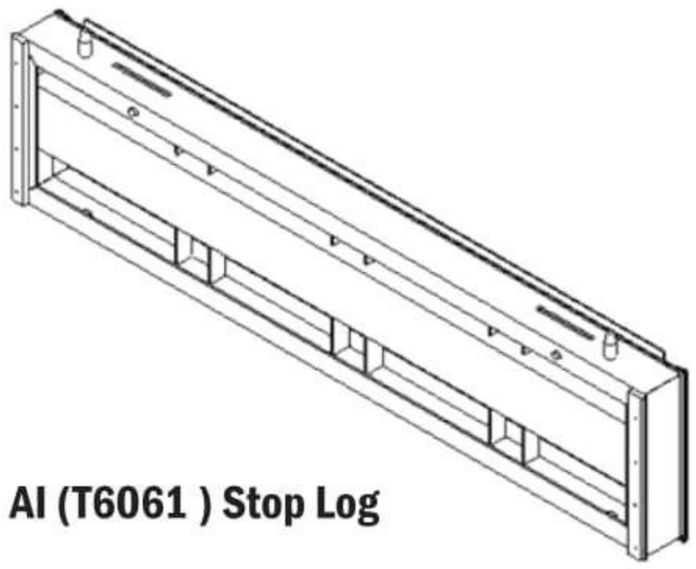
Stainless Steel Single Plate Stop Log



Stainless SteelStop Log



Al (T6061) Stop Log



Al (T6061) Stop Log

DESIGN FEATURES

Sealing System:

- Single directionself adjusting seal to control flow in single direction.
- Excellent tightness
- Vertical seals are placed on the log guides. Horizontal seals are placed at the top of each log to prevent leak between logs.
- UHMWPE guides are placed on the log guides to assure no metal-to-metal contact between the frame and the logs, which reduce friction during operation and enhanced seal life span.

Frame Design:

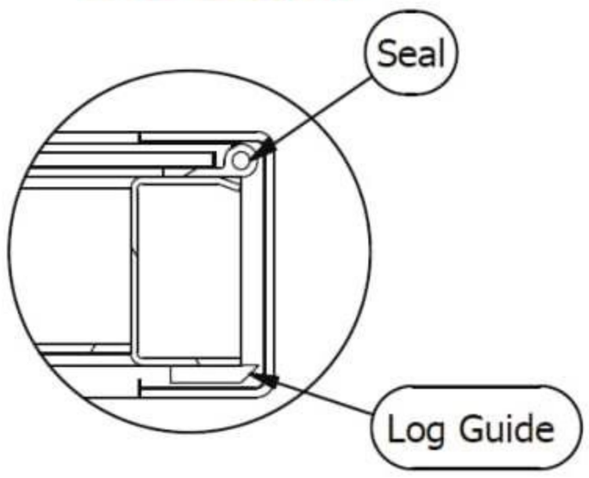
- Mild steel, stainless steel or aluminium frame guides.
- Mounting options: embedded in concrete, wall mount and face mounted in existing channel.

Log Design:

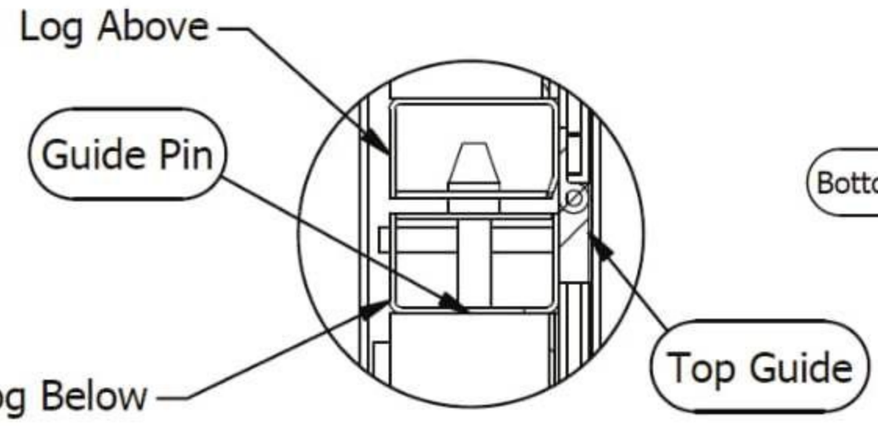
- Three different log types (Aluminium, Mild Steel & Stainless steel) available to always find a solution to the specific requirements.

SEAL DESIGN

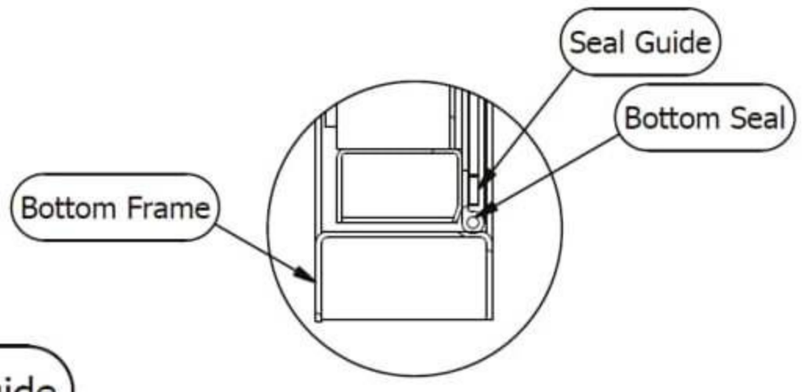
SIDE DESIGN



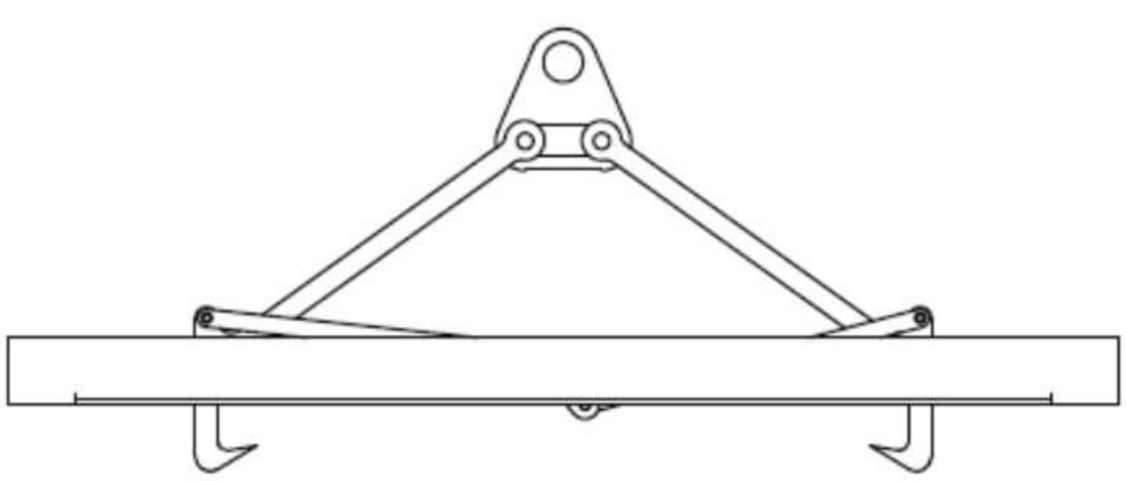
INTERMEDIATE DESIGN



BOTTOM DESIGN

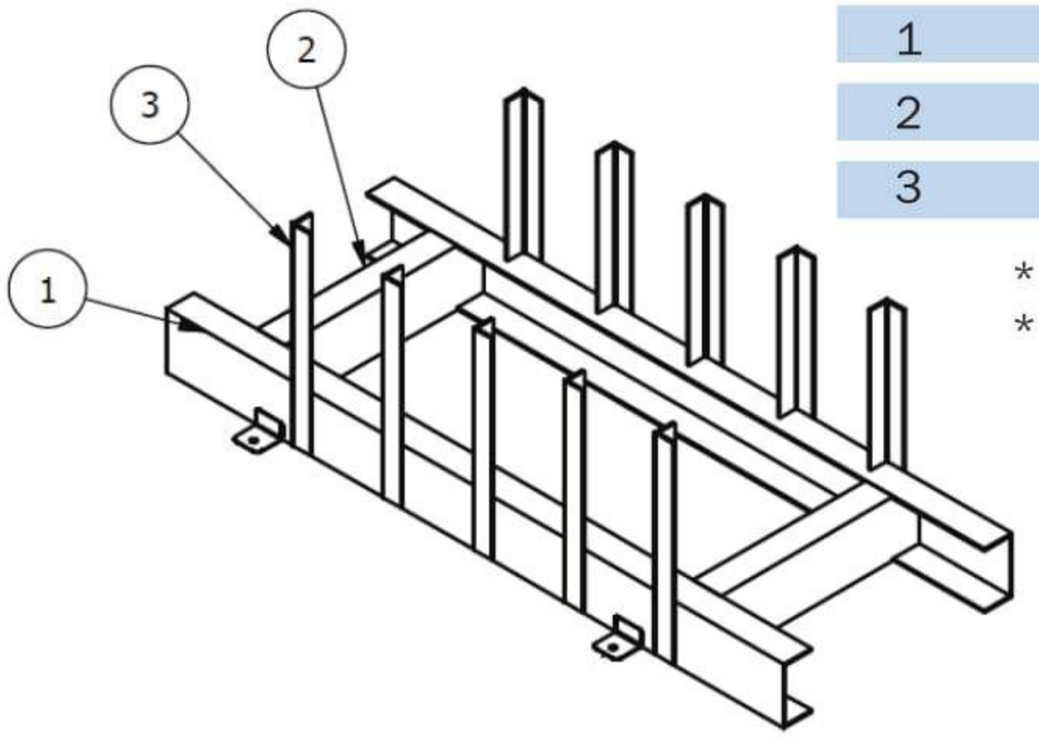


LIFTER DESIGN



- The lifting device, which is connected to a crane, fits into both lateral frame guides and hooks and releases the logs (via lifting pins) remotely and semi-automatically.
- Logs can be connected together to lift them simultaneously.
- There is also available a locking device. It is used to lock the logs in position once the proper log arrangement has been achieved.

Storage Rack

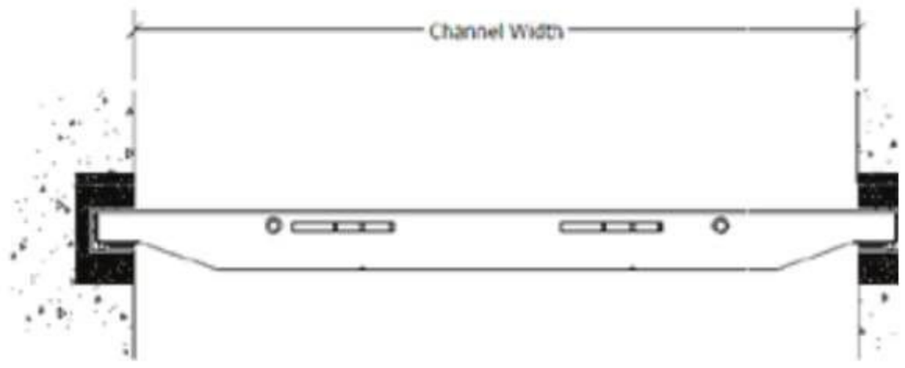


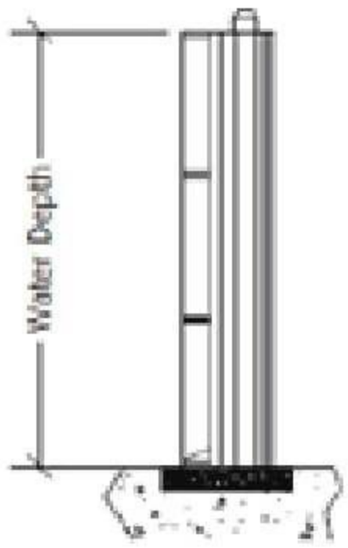
ITEM	QTY/UNIT	PART NUMBER	DESCRIPTION
1	2	Main_base	C-Chn SS304 152.4x76.2x5.5 (mm)
2	2	Base_rib	C-Chn SS304 152.4x76.2x5.5 (mm)
3	10	Beam	Angle Bar SS304 50.8x50.8x6.0 (mm)

* Hot dip galvanizing coating
* Custom made upon requested

Standard Construction Material

DESCRIPTION	MATERIAL
Frame	Stainless steel 304L (EN 1.4306) / 316L (EN 1.4404) / Aluminium EN-AW 606-T6
Logs	Stainless steel 304L (EN 1.4306) / 316L (EN 1.4404) / Aluminium EN-AW 606-T6 Mild Steel BS4360
Side seal	EPDM
Bottom seal	EPDM
Slider	UHMWPE
Log locking system	Stainless steel 304L (EN 1.4306) / 316L (EN 1.4404)
Seal and slides locks	UHMWPE
Intermediate seal	EPDM





ESAREKA

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