Sismat Uluslararası
Arıtma Makinaları
İnşaat Mühendislik
Sanayi ve Tic. A.Ş.

STOP LOGS

STOPLOGS TO CONTROL FLOW

The aluminium and steel stop logs are designed for open channel installation in treatment plants, irrigation, hydraulic works and hydro-electric power plants and are an easy and economical way to control flow in a channel.

They are used in situations where temporary or infrequent isolation of a channel is necessary, or to control water levels.

The slide is formed by several logs that fit on top of each other in the frame. By adding or removing logs, the user controls the flow in a channel.

SİSMAT ULUSLARARASI can design and manufacture Stop Logs also in large dimensions and for higher service conditions while maintaining a low leakage rate.

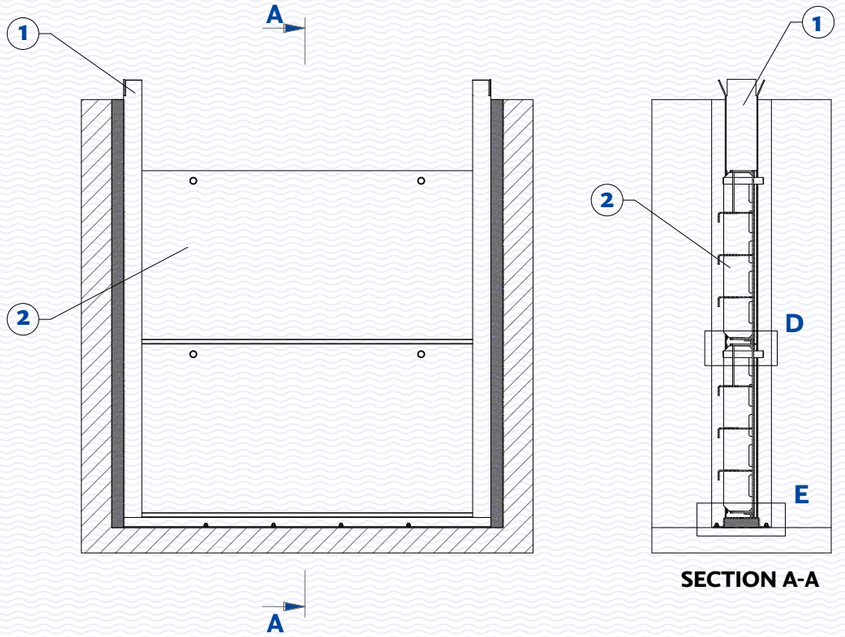
FEATURES AND BENEFITS OF SISMAT ULUSLARARASI STOPLOGS:

- Ease of operation
- Wide range of material applications and sizes
- Mechanically fixed renewable seals
- Low Maintenance
- Lower installation costs using expanding safety bolts
- Single / Multi piece manufacturing suitable for manual/mechanized lifting arrangement.
- Interchangeable log design
- Custom built to customer requirements

OUR STEEL STOPLOG COMPONENTS

	Stoplog Component	Materials available
1	Frame	Carbon steel or stainless steel grade, AISI304, AISI304L, AISI316, AISI316L, AISI316Ti, DUPLEX or SUPER DUPLEX
2	Logs	Carbon steel or stainless steel grade, AISI304, AISI304L, AISI316, AISI316L, AISI316Ti, DUPLEX or SUPER DUPLEX, sandwich panel (GRP & polyurethane with steel reinforcement)
3	Side Seal	EPDM / Neoprene
4	Bottom Seal	EPDM / Neoprene
5	Intermediate seal	EPDM / Neoprene
6	Slider	Derline
7	Log Locking System	Carbon steel or stainless steel grade, AISI304, AISI304L, AISI316, AISI316L, AISI316Ti, DUPLEX or SUPER DUPLEX
8	Assembly fasteners	A2, A4 , DUPLEX or SUPER DUPLEX
9	Fixing bolts	A2, A4 , DUPLEX or SUPER DUPLEX

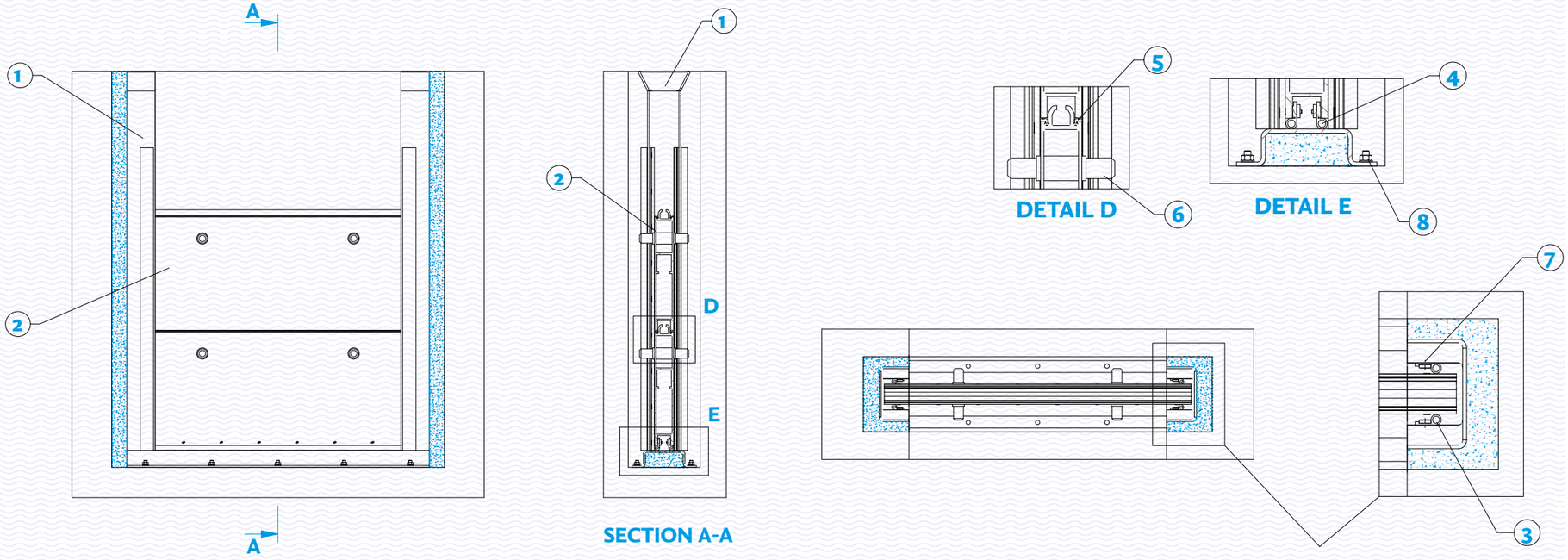
TYPICAL STEEL STOPLOG & COMPONENTS



OUR ALUMINIUM STOPLOG COMPONENTS

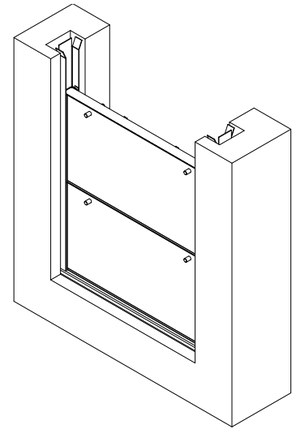
	Stoplog Component	Materials available
1	Frame	Aluminium, Carbon steel or stainless steel grade, AISI304, AISI304L, AISI316, AISI316L, AISI316Ti, DUPLEX or SUPER DUPLEX
2	Logs	Aluminium
3	Side Seal	EPDM / Neoprene
4	Bottom Seal	EPDM / Neoprene
5	Intermediate seal	EPDM / Neoprene
6	Log Locking System	Aluminium or stainless steel grade, AISI304, AISI304L, AISI316, AISI316L, AISI316Ti, DUPLEX or SUPER DUPLEX
7	Assembly fasteners	A2, A4 , DUPLEX or SUPER DUPLEX
8	Fixing bolts	A2, A4 , DUPLEX or SUPER DUPLEX

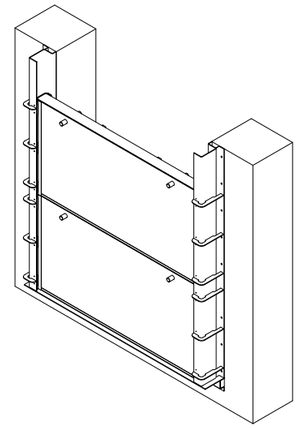
TYPICAL ALUMINIUM STOPLOG & COMPONENTS



SELECTING YOUR STOPLOG TYPE

OUR STOPLOG TYPES



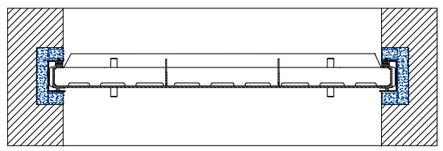


Type	CHANNEL STOP LOG	WALL STOP LOG
Product features	Welded frame U-shape type for installation on concrete channel fixed into performed rebates in the sides and inverts.	Welded frame self- supporting flange back type for installation on concrete wall at the end of the channel
Seal	3 facings	3 or 4 facings
Aperture	Square / rectangular	Square / rectangular
Type of fixing	With grout	With dowel
Type of operation	Lifting beam	Lifting beam
Range of application	Use for on-off control of the flow in open channel	Use for on-off control of the flow in channel outlet

1. MOUNTING TYPES

A) Embedded in Concrete:

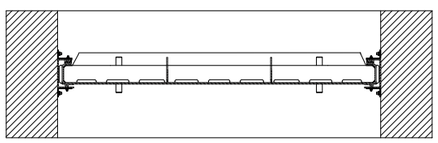
The gate frame is centered in the recess prior to embedding it in concrete. Optionally, the gate frame includes leveling fittings and brackets to simplify the installation process.



EMBEDDED IN CONCRETE

B) Wall Mount:

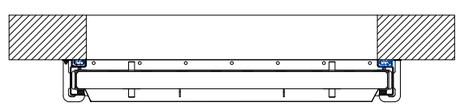
Stop Log is installed by means of mechanical anchor bolts and construction sealant.



FACE MOUNTED IN EXISTING CHANNEL

C) Face Mounted in Existing Channel:

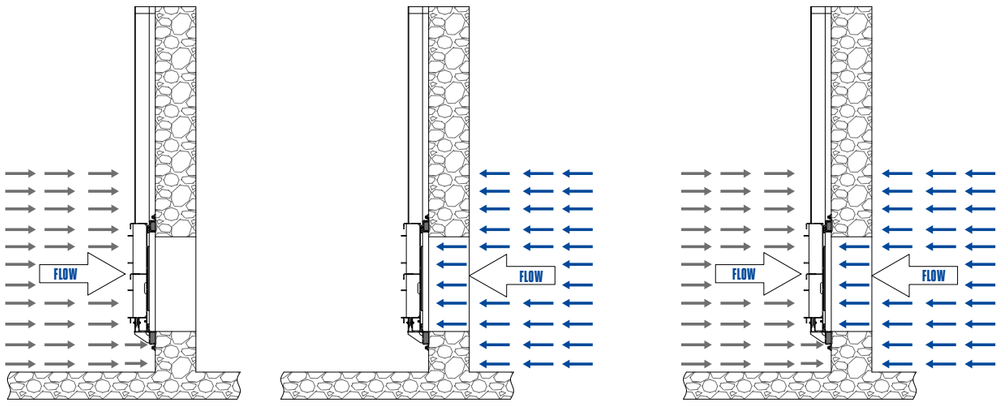
Stop Log is installed by means of mechanical anchor bolts. All the gaps shall be grout filled afterwards and shaped in order to assure a smooth transition.



WALL MOUNT

2. OPERATING PRESSURE

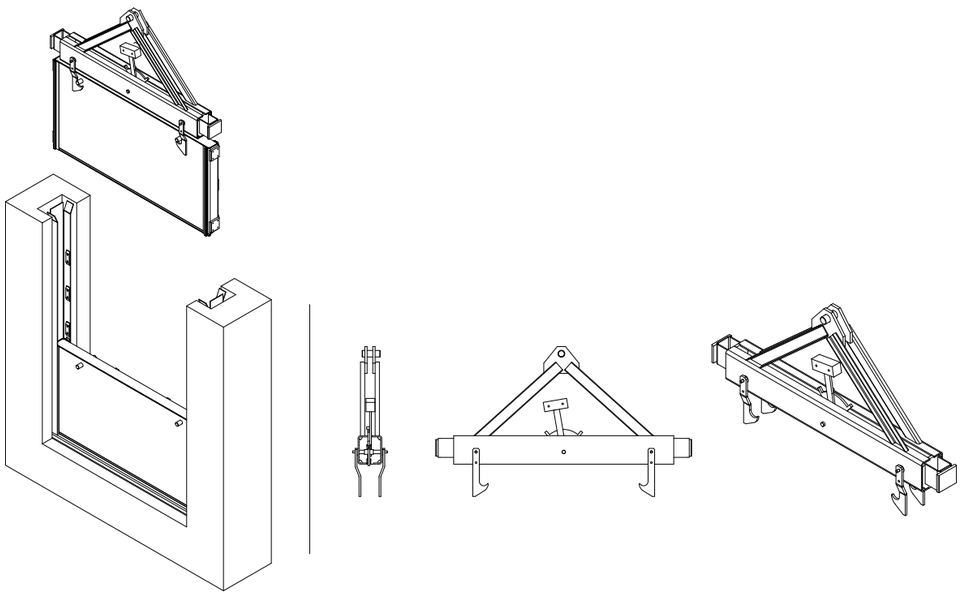
Stop log is designed to withstand a water pressure equal to the height of the logs.
The unidirectional stop log is very appropriate for seating head pressure conditions, offering a very economical solution.
The bi-directional stop log is designed for both seating and unseating head pressure conditions.



ON-SEATING PRESSURE | OFF-SEATING PRESSURE | ON/OFF-SEATING PRESSURE

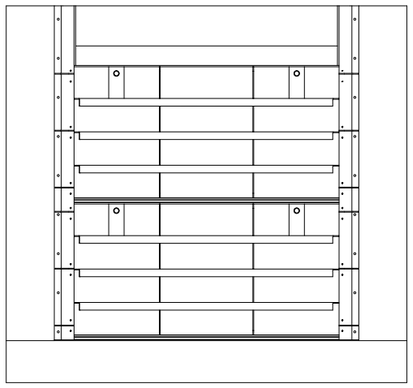
3. LIFTING

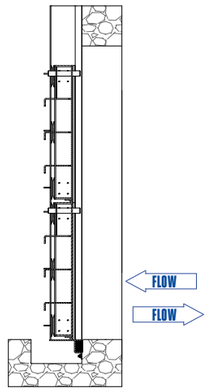
When the weight of the log is low, it can be handled with a lifting pole. The lifting pole fits in the frame guide and it is guided to easily hook the log. For heavier logs, or when access is difficult, Sismat Uluslararası offers a lifting device. The lifting device, which is connected to a crane, fits 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.



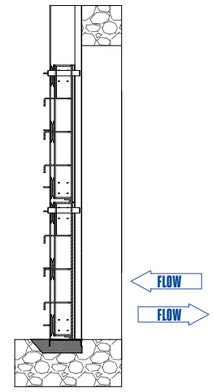
Sismat Uluslararası offers different lifting solutions to safely and effectively handle the logs.

- Channel fixing into prepared rebates in channel walls and floor
- Wall fixing onto a flat vertical wall with invert recessed into floor
- Side wall fixing
- Wall fixing at invert
- Any combination of above





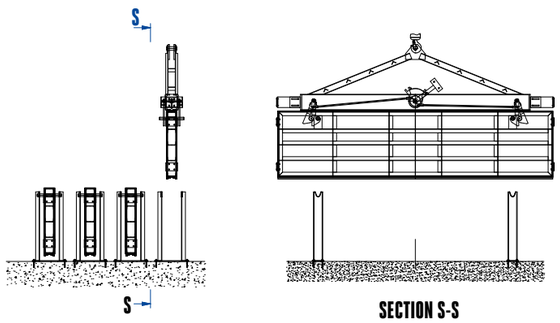
REBATE INVERT



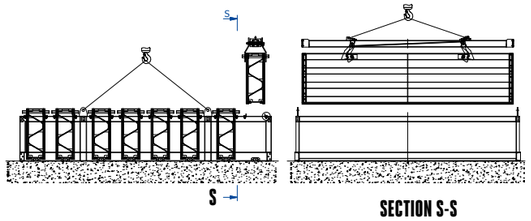
FLUSH INVERT

4. STORAGE RACK

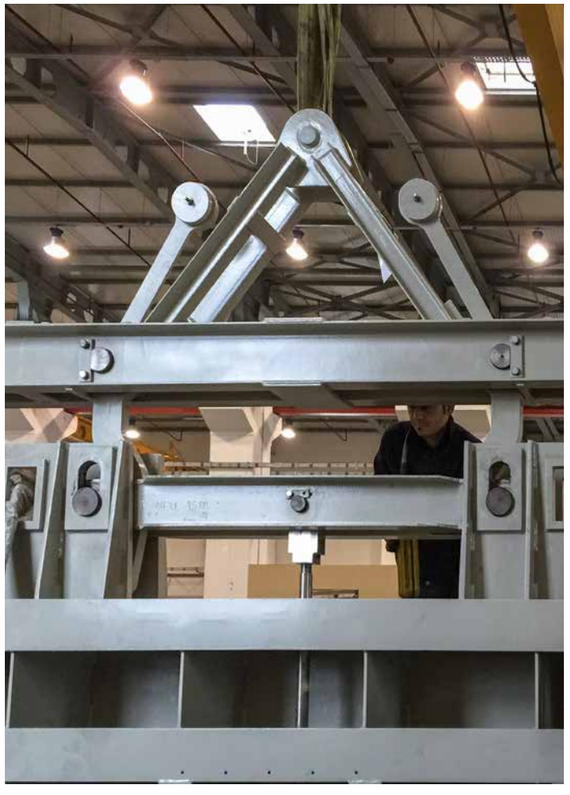
When the stoplogs are not in use, it is advisable to store them in vertical position. This ensures that the seals at the bottom of the stoplogs are not damaged. Sismat Uluslararası can offer you a suitable fabricated storage rack.



FIXED TYPE STORAGE RACK



PORTABLE TYPE STORAGE RACK



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Learn More by visiting

www.sismat.com.tr

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