

# STOPLOGS

KWT®Stop Log type: KSL

## Application

KWT Stop Logs (KSL) are similar to the KWT Stop Board in functionality. The logs can be rack-stored, and come in many variations (sizes, thickness, material). They are used in surface-, sewer- and process water systems. A full stop log is composed from individually removable aluminum elements.

## Operation

The KWT stop log is, for example, very suitable for dewatering a concrete pipe at a purification plant. The KSL has been designed to serve several positions when using its related accessories: it can be fully integrated, cast in or built up. The seal is able to block water flow on two sides. The KSL is watertight on three sides.

The KSL's functionality is highest when it needs to provide an efficient method of quickly closing off a canal or in-outlet flume in those cases when an accurate flow or level regulation is not required.

## Benefits

The logs require virtually no maintenance.

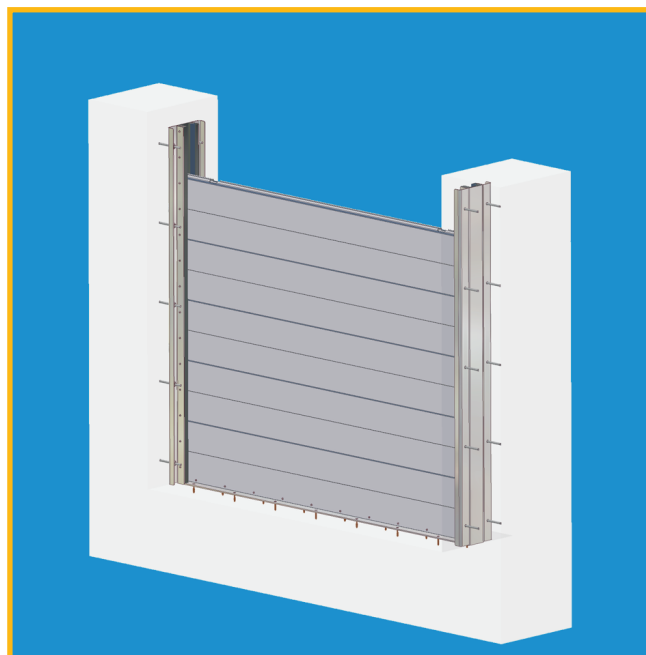
Functionality in both flow directions.

Fast and easy installation.

Aluminum stop logs can be stored in racks off site

HDPE guiding profiles ensure a smooth and effective sliding movement of the logs.

The EPDM sealing on every log can be easily replaced off-site when required. replaceable.



## Specifications

Dimensions: see table

Operating pressure : operating height x 1 MwC

Operation method : manual lifting

Operation point : lifting points on each log

## Materials

Stop Logs (KSL) : Aluminum

Frame : SS 316

Sealing : EPDM shore 60A

**Other material on request.**

**Waterbeheersing**

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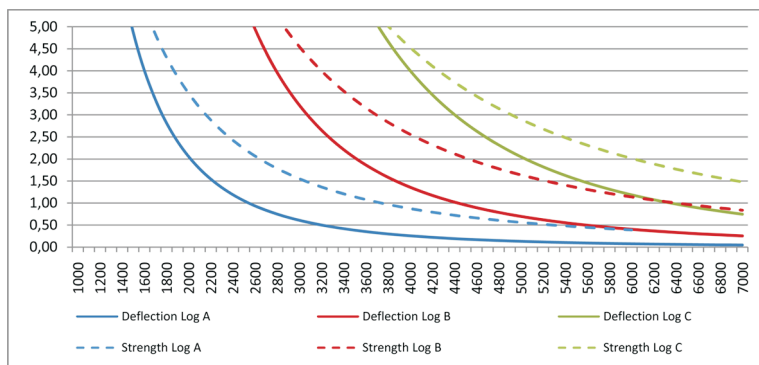
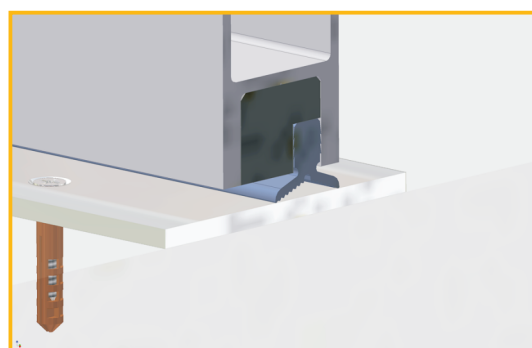
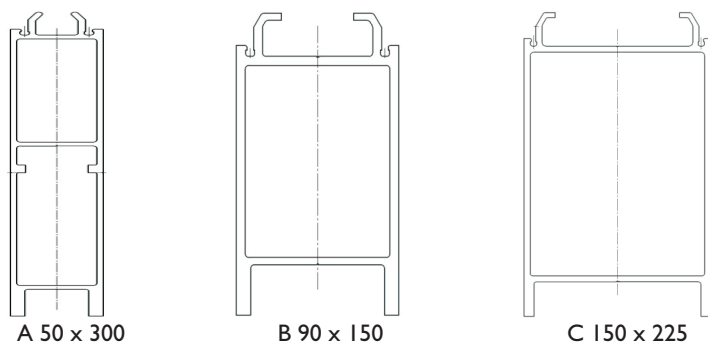
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## KWT®Stop Log type: KSL

		Model A	Model B	Model C
<b>I<sub>x</sub></b>	<b>mm<sup>4</sup></b>	1.377.000	3.639.000	16.099.000
<b>W<sub>x</sub></b>	<b>mm<sup>3</sup></b>	55.100	80.800	214.600
<b>Lin exp.</b>	<b>K<sup>-1</sup></b>	0,000023	0,000023	0,000023
<b>Brinell</b>	<b>HB</b>	70	70	70
<b>weight/m</b>	<b>Kg</b>	8,51	7,26	11,17
<b>weight/m<sup>2</sup></b>	<b>Kg</b>	28,35	48,42	49,66
<b>E</b>	<b>N/mm<sup>2</sup></b>	70.000	70.000	70.000
<b>Sigma</b>	<b>N/mm<sup>2</sup></b>	95	95	95
<b>f</b>		150	150	150

Table: technical specification for log models A, B and C



Graph: deflection and strength against height and width

### Aluminium material specifications:

Tenacity:  $R_m > 215 \text{ N/mm}^2$   
 0.2% elongation limit  $> 160 \text{ N/mm}^2$   
 Brinellhardness  $HB = 70$   
 E-modulus  $E = 70,000 \text{ N/mm}^2$

### Aluminium Stop log models:

A50/300 Width: 50 mm Height: 300 mm  
 B90/150 Width: 90 mm Height: 150 mm  
 C150/225 Width: 150 mm Height: 225 mm

**Max length of all aluminium stop logs: 7000**

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