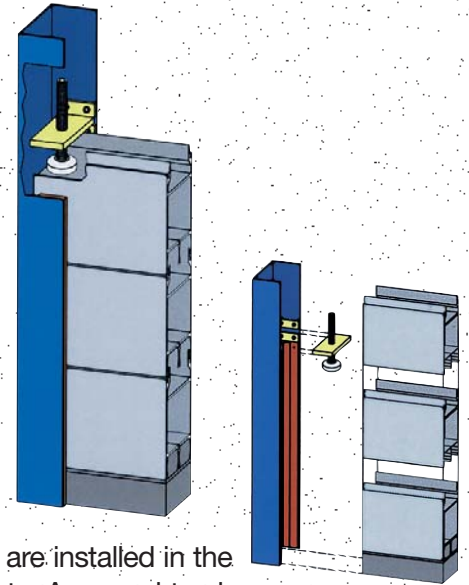




## DBV-General

### Stop log – Principle

A stop log basically consists of two components. The end posts, which are installed in the flume or in front of it and the dam beams stacked between the end posts. A ground track is not required. The system is connected with the ground by means of an extremely flexible ground seal. This compensates unevenness within the admissible tolerances for concrete work (DIN 18202, table 3). Socalled bracing chiplets are used to press the ground seal against the installation surface as well as the dam beams against each other in vertical direction. Center posts are used for blocking off large spreads. These are either designed as permanent screw fittings or demountable with anchor plates.



### System variants

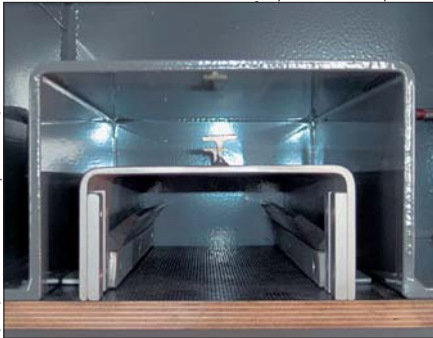
- **IBS DBV-AL-50** with 50 mm wide and 166 mm or 300 mm high dam beams (end posts made of 1.4301 or 1.4571, dam beams made of aluminium)
- **IBS DBV-VA-50** with 50 mm wide and 200 mm high dam beams (dam beams made of 1.4301 or 1.4571, end posts made of 1.4301 or 1.4571)
- **IBS DBV-AL-100** with 100 mm wide and 150 mm high dam beams (end posts made of 1.4301 or 1.4571, dam beams made of aluminium)
- **IBS DBV-VA-100** with 100 mm wide and 200 mm high dam beams (dam beams made of 1.4301 or 1.4571, end posts made of 1.4301 or 1.4571)
- **IBS DBV-AL-150** with 150 mm wide and 225 mm high dam beams (end posts made of 1.4301 or 1.4571, dam beams made of aluminium)
- **IBS DBV-VA-150** with 150 mm wide and 200 mm high dam beams (dam beams made of 1.4301 or 1.4571, end posts made of 1.4301 or 1.4571)

The stainless steel dam beams and/or end posts can also be produced in higher-quality materials for special applications (e.g. 1.4462 or 1.4539).

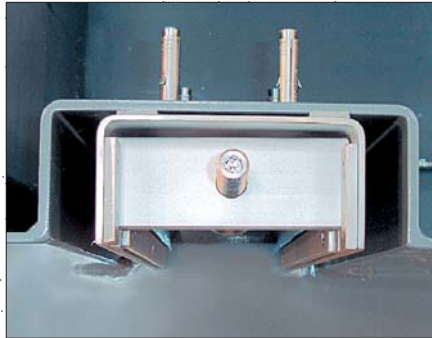
Material Number	DIN	AFNOR	AISI/SAE
1.4301	X5CrNi18-10	Z4 CN 19-10 FF Z 5 CN 17-08 Z 6 CN 18-09 Z 7 CN 18-09	304 304 H
1.4571	X6CrNiMoTi17-12-2	Z 6 CNDT17-12	316 Ti
3.3206	Al Mg Si 0,5	A-GS	



## DBV Assembly Variants



**Assembly in first concrete.** The end posts are attached directly to the formwork and embedded in the concrete.



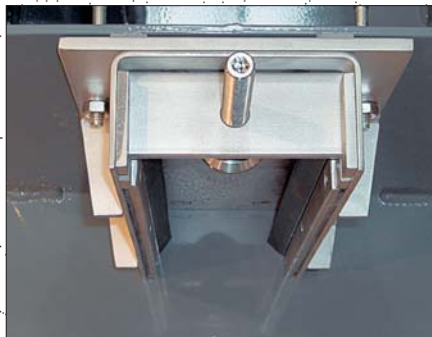
**Assembly in recess.** The end posts are dowelled into the construction recess. Then the front side is pared and cast in with a non-shrinking mortar.



**Assembly face mounted in the channel with dowels.** The end profiles are placed face mounted with spread anchors. Shear connectors can be used alternatively for attachment. This frame is displayed with special bracing chiplets



**Assembly in front of the channel pressure load only towards the building.** The end posts are placed in front of the channel with spread anchors. Shear connectors can be used alternatively for attachment.



**Assembly face mounted in the channel with dowels in case of large flood heights.** The end posts are placed face mounted with spread anchors. Shear connectors can be used alternatively for attachment. The end posts are mounted on base plates. Gusset plates are installed between the end posts and the base plate to meet static requirements.



**Assembly in front of the channel with dowels in case of tensile and pressure load.** The end posts are placed in front of the channel with spread anchors. Shear connectors can be used alternatively for attachment. The end posts are mounted on base plates. Gusset plates are installed between the end posts and the base plate to meet static requirements.



**Assembly face mounted in the channel with dowels if the seal is not vertical to the channel wall.** The end posts are placed face mounted with spread anchors. Shear connectors can be used alternatively for attachment. The end posts are mounted on base plates. Gusset plates with the required angle are installed between the end posts and the base plate to meet static requirements.