

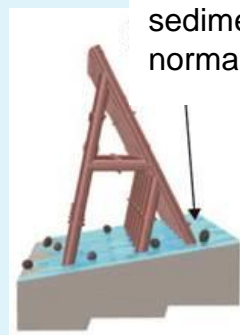
18. Steel Slit Dam for controlling debris flow

Steel Slit Dam can capture rocks securely in case of debris flow, but sediments can go through under normal conditions.

■ Slit-type structure built by combining steel pipes, which does not disrupt river flow

- Due to the shape and strength of steel pipes, the slit-type structure can capture rocks effectively.
- Even in the onslaught of debris flow, steel pipes can absorb its shock and can capture rocks effectively.

Normal condition



Water and harmless sediments flow down under normal conditions

In case of debris flood



- Slit-type structure is designed considering the ecosystem, which does not disrupt river flow

Applicable sector

Erosion
Control

Flood
Control

Applicable to dams to control debris flow and/or driftwood

Standard Condition of application

- Debris Velocity ... $V=5.0\text{m/s}$
- Debris Depth ... $h=3.0\text{m}$
- Diameter of rocks... $D=1.0\text{m}$

Please make inquiry in the case the above condition doesn't meet.

Feature

■ Effective capture of debris flow

- Transmission-enabled structure that creates sediment accumulation space under normal conditions and effectively capturing sediment and rocks flow during debris flow

■ Accurate capture of debris flow

- Even in the onslaught of debris flow, steel pipes hat excel in shock absorption effectively capture sediment and rocks flow

■ Environment conscious structure

- Structure designed with attention to the ecosystem, without disrupting river continuity

Track Record

Approx. 100~200 projects per year in Japan.



- Location: Hyogo Pref. (Aoyama River)
- Scale: Effective height(8.0m)
Width of water course(10.0m)
Diameter of rocks(1.0m)

Cost

To get information, please ask the contact shown bellow.

Contact

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