

Accessories

FRP Flights

Flights for sludge collectors used to be made from American cypress or synthetic wood, but they were difficult to work with because of their weight, and strong buoyancy while underwater could disengage the chains. FRP flights overcome these defects, as they are light and have no buoyancy. They also have superior corrosion resistance.



Features

- **Lightweight and easy to handle**

Weighs nearly 1/4 of conventional materials such as Oregon cedar and synthetic wood (FFU, etc.). Makes installation and maintenance tasks extremely easy.

- **Completely eliminates floating**

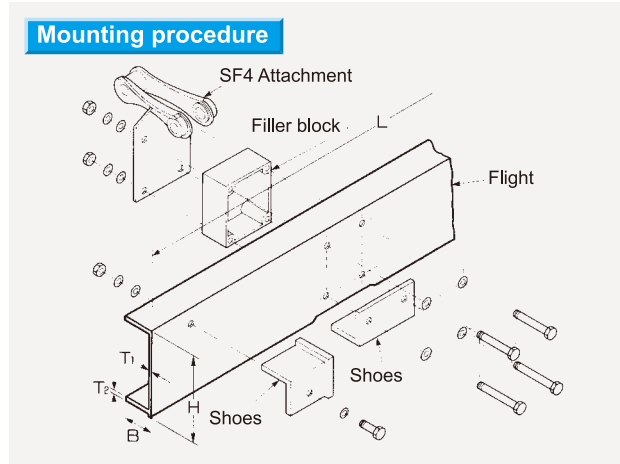
Because these materials have no buoyancy under water (specific gravity: 1.8 or higher), there is no need for measures to prevent floating (attaching balancer weights).

- **Extended service life**

Superior corrosion-resistant resin means that there is zero corrosion even under water. Just like with Oregon cedar, there is no need to impregnate the material with corrosion-resistant chemicals, making maintenance easy.

H (mm)	B (mm)	T ₁ (mm)	T ₂ (mm)	L (mm)	Weight (kg)
180	70	4	4	2,000	4.6
				2,500	5.7
				3,000	6.9
				3,500	8.0
				4,000	9.1
				4,500	10.3
				5,000	11.4
				5,500	12.6
				6,000	13.7

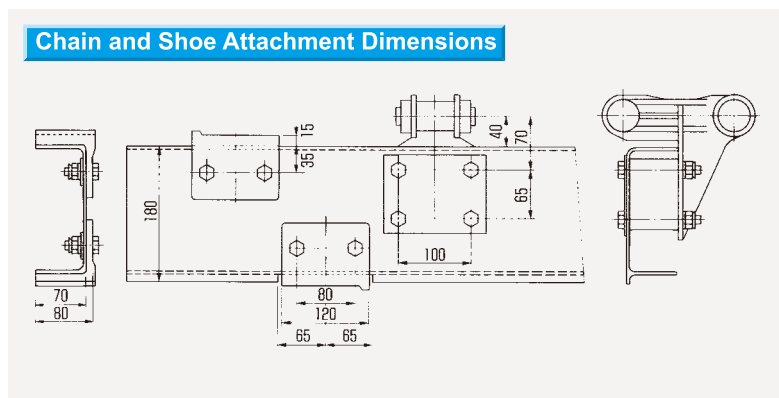
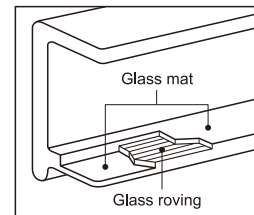
- Note: 1. Make sure to use flights within a total length of 6,000 mm.
 2. A filler block is required to attach the flight to the chain.
 Two filler blocks are included with each flight.



FRP Constituent Materials

Glass fibers (glass roving and glass mat) impregnated with special resins are pressed into a mold, heated, and hardened while being continuously drawn out (continuous draw out method), forming a long, F-shaped cross-section FRP flight.

Bonding the glass fiber base and resin creates a material that offers the innate high corrosion resistance of plastic and a high level of strength.



Installation examples