

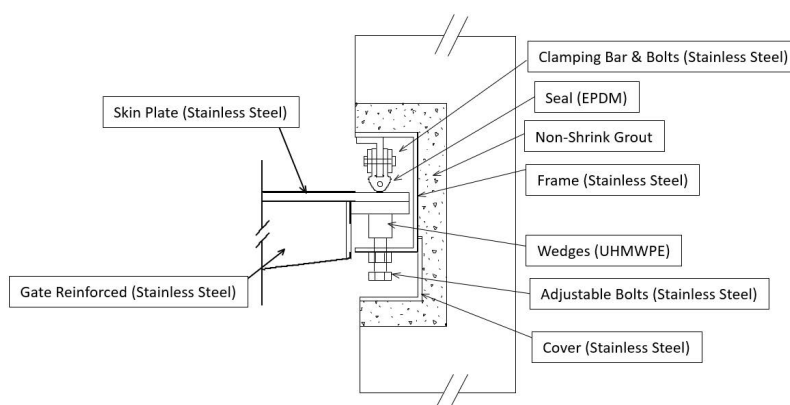
Stainless Steel Penstock – Channel Penstock

General

KT Penstock offers fabricated stainless-steel penstocks and slide gates suitable for a wide range of waterworks applications. Designed specifically for non-corrosive environments, these stainless-steel penstocks are ideal for water treatment facilities, sewage treatment plants, water diversion projects, drainage systems, and various fluid control applications.

Feature

Typically designed for medium water head applications, these penstocks feature exceptionally low leakage rate requirements. EPDM resilient rubber seals are employed to ensure optimal leakage control efficiency and a prolonged service life. The penstock design is customized using advanced engineering software to meet specific duty and aperture requirements. Our designs comply with the BS7775:05 specification and meet the standards outlined in AWWA C561:14.



Product Info

The KT Stainless Channel-Type Penstock is designed for precise water flow control in open channels, including drainage systems and treatment plants. With three-sided or four-sided sealing options, it allows controlled overflow from the top of the gate. Its embedded frame structure anchors securely to channel walls, ensuring a stable, leak-free fit with proper grouting.

Technical Specification

Size	:	250mm to 3500mm (custom size available upon request).
Working Pressure	:	Seating, 10m Unseating, 10m
Mounting	:	Wall Mounted
Application	:	Sewage Treatment, Water Treatment, Food Control, Industrial, Drainage, Irrigation

Material

Frame & Door	:	Stainless Steel (SUS304) or Stainless Steel (SUS316) BS EN 10088-3:2005
Frames & Door Seal	:	Phosphor Bronze (PB102) or Stainless Steel (SS304) Stainless
Spindle	:	Steel 304 & 316
Thrust Nut	:	Gunmetal LG2