

IBS Penstocks

- › Vast Product Range
- › Standard Solutions
- › Use In New and Existing Structures
- › Competitive Series Production
- › Extensive Experience





Penstocks

Penstocks

Types

- RPS Penstock
- RPS Channel Penstock
- RWG Weir Penstock

Sizes

- Width x Height up to 4000 x 4000 mm
- Design Water Heads: up to 2.0 bar
- Larger Sizes and higher Water Heads available upon Request

Penstock Features

- Usable as Isolating & Control Penstock
- Suitable for round and rectangular Openings
- Rising & non-rising Stem Design
- Single & Twin Stem Design
- Suitable for On- and Off-Seating Applications
- Replaceable frame mounted Double Lip Seal
- Door mounted Guides and Invert Seal

Design & Quality Standards

- DIN 19569-4
- BSI 7775
- AWWA C561
- EN ISO 9001
- EN 1090-2; EXC 3
- EN 1090-3; EXC 3

Area of Application

- Waste Water Treatment Plants
- Industrial Effluent Plants
- Canals / Waterways
- Flood Defense
- Retention Tanks
- Pumping Stations
- Hydro Power Plants
- Sea Water Intakes



Channel Penstock



Weir Penstock



Channel Penstock



Materials

- › Stainless Steel Grade SS304
- › Stainless Steel Grade SS316L & 316Ti
- › Duplex & Super Duplex Steels
- › EPDM & NBR Seals
- › PE-UHMW Guides
- › Further Materials available upon Request

Operations

Manual

- › Cap Top
- › Handwheel
- › Handwheel Gearbox

Electric Actuated

- › Electric Actuator without Control
- › Electric Actuator with Gearbox
- › Electric Actuator with Control

Cylinder Actuated

- › Pneumatic Cylinder
- › Hydraulic Cylinder

Cap Top



Handwheel



Handwheel Gearbox



Electric Actuator without Control



Electric Actuator with Gearbox



Electric Actuator with Control



Pneumatic Cylinder



Hydraulic Cylinder



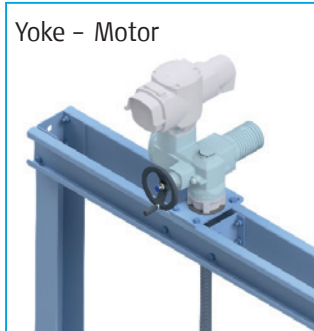
Yoke – Handwheel



Yoke – Gearbox



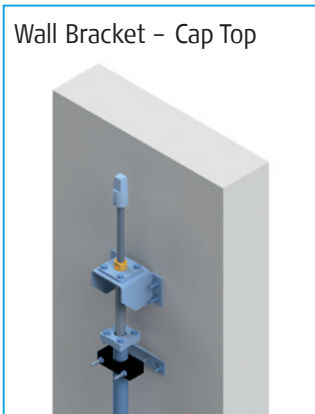
Yoke – Motor



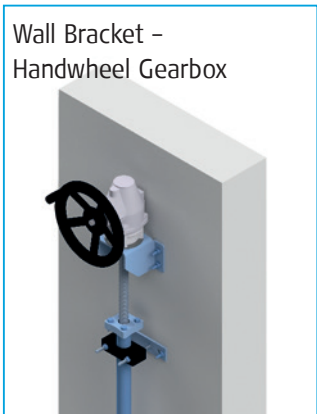
Operation Mounting

- Yoke
- Wall Bracket
- Pedestal Floor Mounted
- Pedestal Wall Mounted

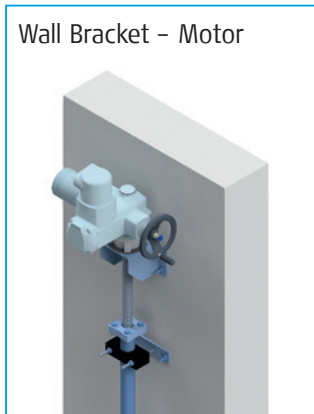
Wall Bracket – Cap Top



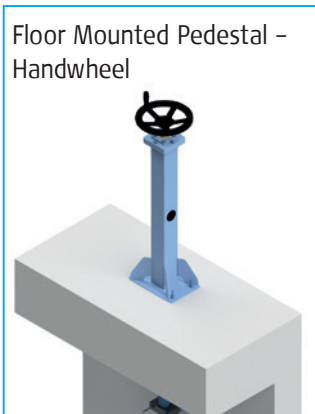
Wall Bracket – Handwheel Gearbox



Wall Bracket – Motor



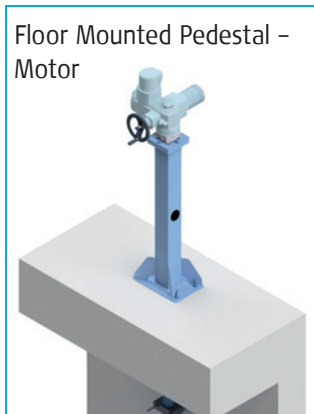
Floor Mounted Pedestal – Handwheel



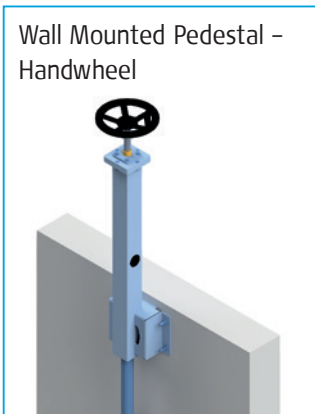
Floor Mounted Pedestal – Handwheel Gearbox



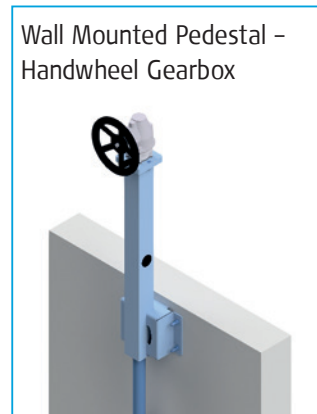
Floor Mounted Pedestal – Motor



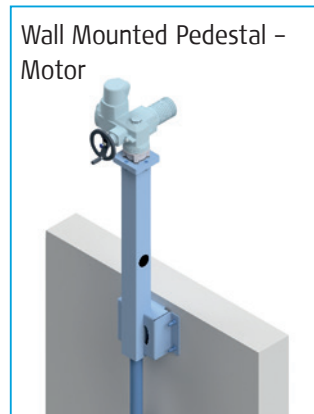
Wall Mounted Pedestal – Handwheel



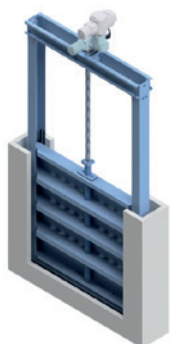
Wall Mounted Pedestal – Handwheel Gearbox



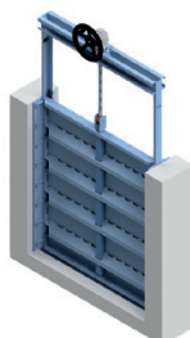
Wall Mounted Pedestal – Motor



Channel Rebate Mounted



Channel Side Wall Mounted



Mounting Types

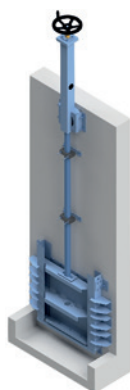
Frame Mounting

- Channel Rebate Mounted
- Channel Side Wall Mounted
- Wall mounted On-Seating
- Wall Mounted Off-Seating

Wall Mounted On-Seating



Wall Mounted Off-Seating



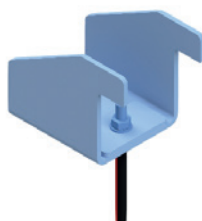
Mounting Brackets

- On-Seating Bracket T2
- Off-Seating Brackets T5/ T9/ T12/ T18/ T22
- Spindle Guide Brackets

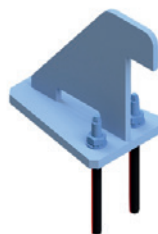
On-Seating Bracket T2



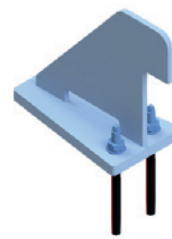
Off-Seating Bracket T5



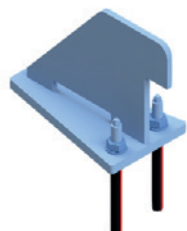
Off-Seating Bracket T9



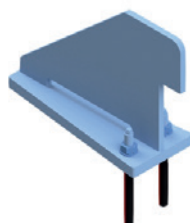
Off-Seating Bracket T12



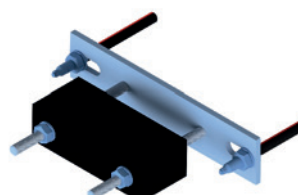
On-Seating Bracket T18



Off-Seating Bracket T22



Spindel Guide Bracket



Spindel Guide Bracket



Flood Barriers



Penstocks & Stop Logs



Flood Doors & Flood Gates



Spill Barriers



IIBSI GROUP

Our Group Companies

- › IBS Technics GmbH Thierhaupten, Germany
- › IBS Penstocks GmbH Thierhaupten, Germany
- › PBS Technics s.r.o. Rotava, Czech Republic
- › IBS Engineered Products Ltd, Doncaster, UK
- › IBS Technics Taicang Co., Ltd, Shanghai, China

About Us

- › German Mechanical & Plant Engineering Group
- › Over 25 Years of Experience
- › 120 Employees
- › 11,000 m² of Manufacturing Facilities
- › Market Leader for Demountable Flood Barriers
- › More than 10.000 successfully completed Projects worldwide

Our Performance

- › Global Distribution Network
- › Highly qualified Engineers & Technicians
- › Inhouse Design & Development
- › Inhouse State of the Art Production
- › International Service Structure

Our Markets

- › Europe
- › Middle East
- › North America
- › Australia
- › Asia

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