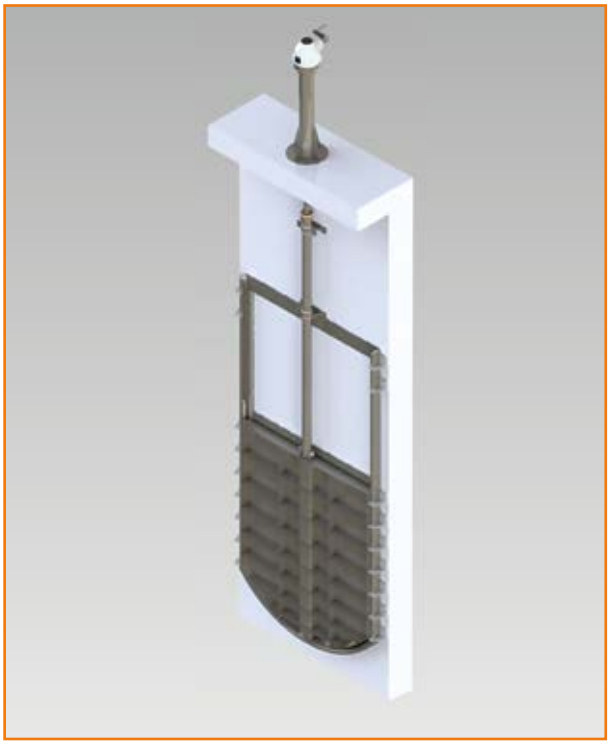
WALL PENSTOCK
TYPE MV-ZNK

- wall penstocks are used for shutting off or adjusting the flow in channels with drinking water, waste water, cooling water, river water etc.,
- possibility of mounting at rounded bottom channel outlets providing four-sided leaktightness in both flow directions,
- FEM-aided individual structural calculations performed for specific operational parameters and places of installation,
- all stainless steel elements undergo etching and passivation by dipping or spraying,
- actuator is mounted directly on a frame, central or shifted support,
- penstocks are pressure tested in the factory.

TECHNICAL DATA

Work pressure:	up to 6mH_2o (tightness based on DIN 19569-4, tightness class: 3) available up to 10mH_2o on special orders
Penstock width: [mm]	150 to 4000, penstocks of widths exceeding 4000 are made to special orders
Gate height: [mm]	150 to 4000, penstocks of gate heights exceeding 4000 are made to special orders
Material:	1.4301, 1.4541, 1.4571, Duplex, etc.
Actuator:	electric, pneumatic, hand actuator, bevel gear
Seal:	NBR, EPDM, Viton or others



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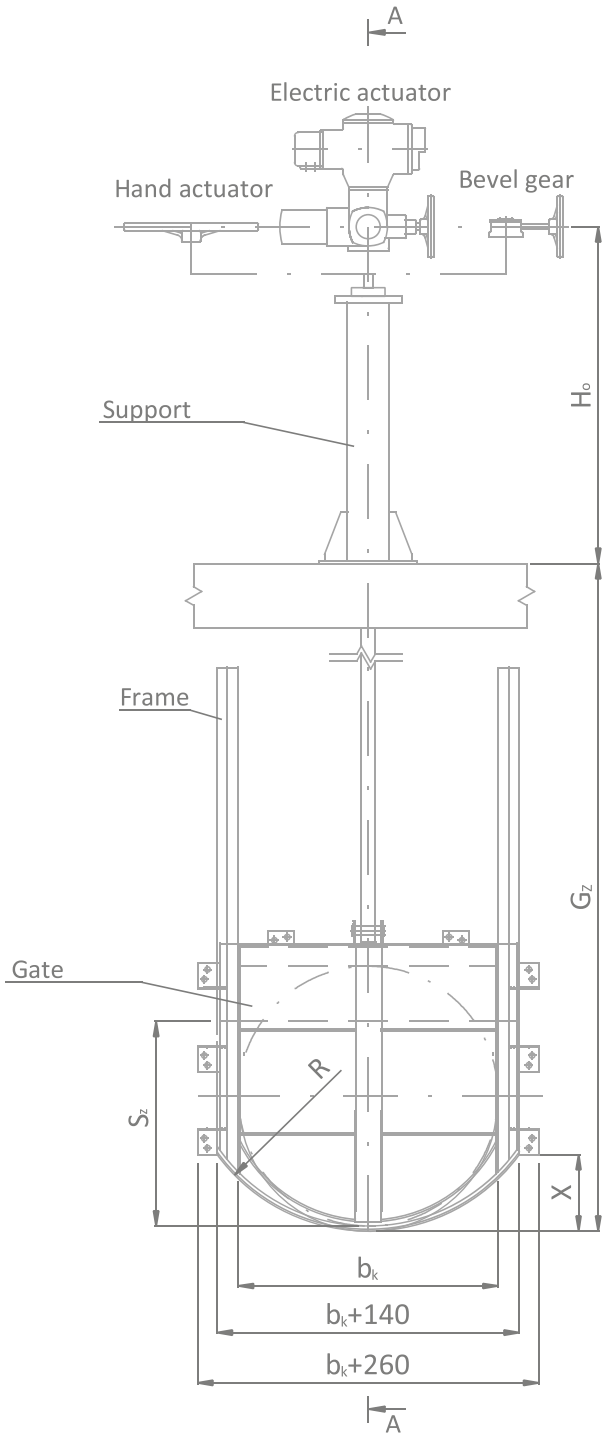
Penstock type MV-ZNK
Wall penstock with a central support



Channel width	b_k =.....
Channel height	h_k=.....
Depth	G_z =.....
Scope	S_z =.....
Radius of the lower beam	R =.....
Height of the lower beam	X =.....
Height from operating level	H_0=.....
Actuator	.....
Pressure [mH_2O]	.....
Seal*:	
NBR/EPDM/Viton	

* delete as appropriate

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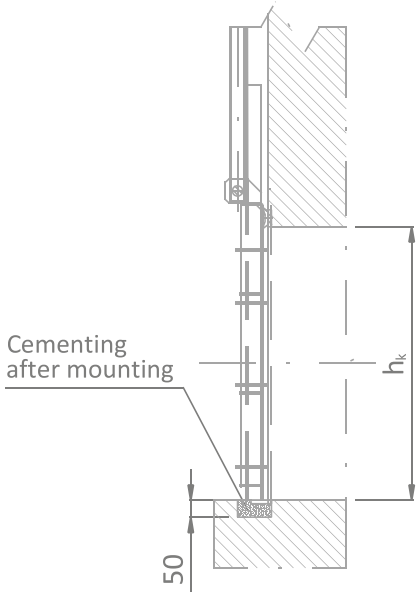

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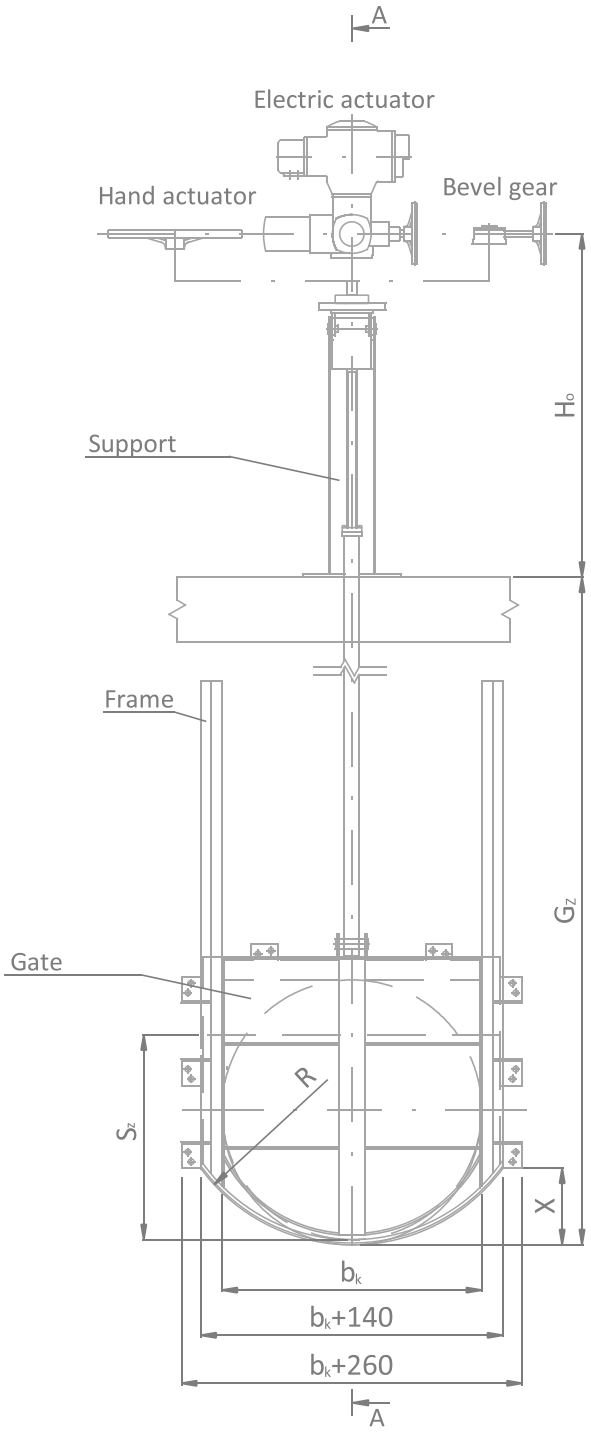
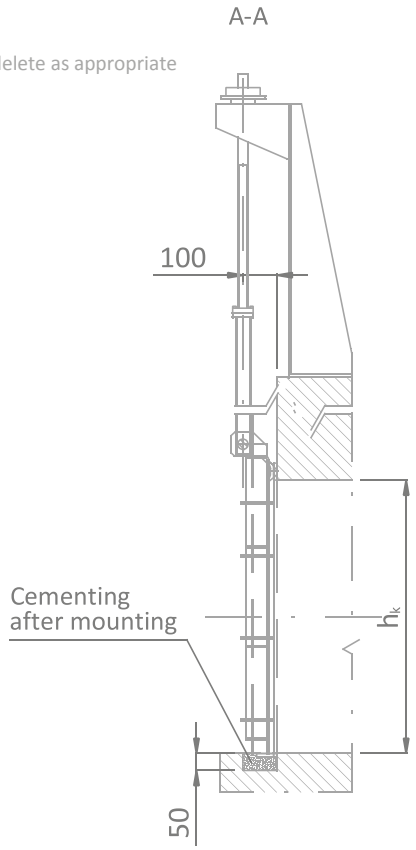
Penstock type MV-ZNK
Wall penstock with a shifted support



Channel width	b_k =.....
Channel height	h_k=.....
Depth	G_z =.....
Scope	S_z =.....
Radius of the lower beam	R =.....
Height of the lower beam	X =.....
Height from operating level	H_0=.....
Actuator	.....
Pressure [mH_2O]	.....
Seal*:	
NBR/EPDM/Viton	

* delete as appropriate



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Penstock type MV-ZNK

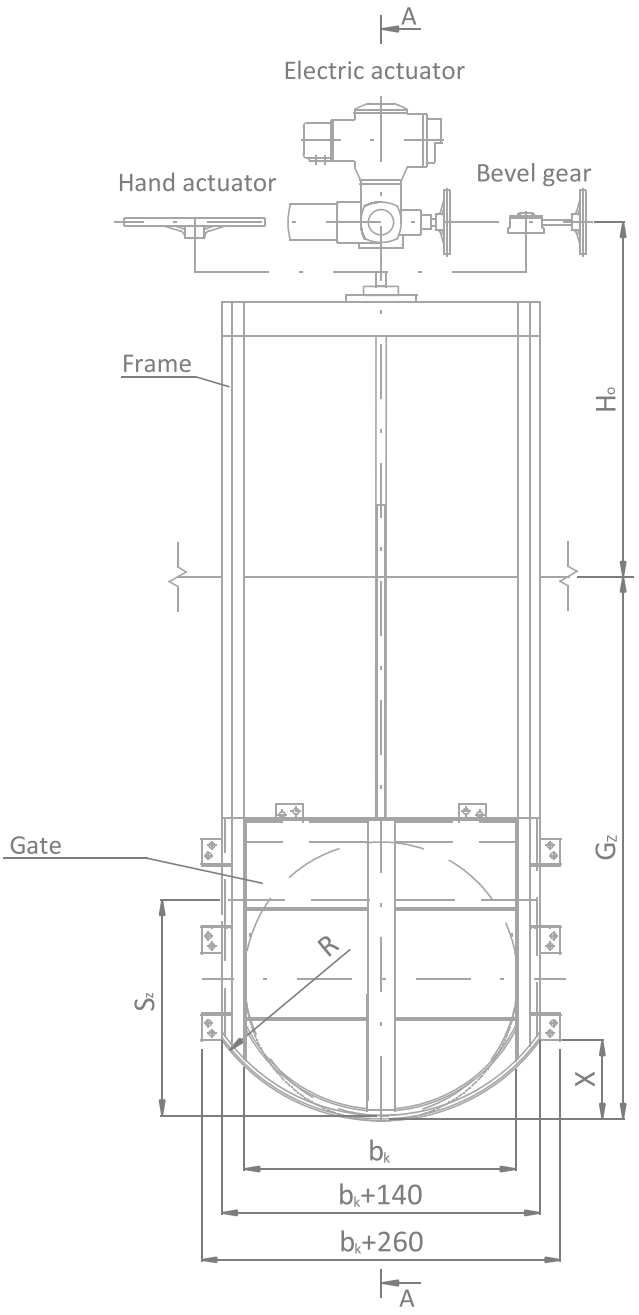
Wall penstock with a frame extended to the operating level

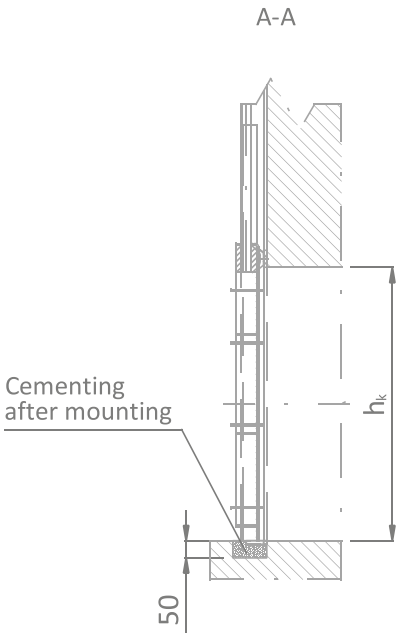
Channel width	b_k =.....
Channel height	h_k=.....
Depth	G_z =.....
Scope	S_z =.....
Radius of the lower beam	R =.....
Height of the lower beam	X =.....
Height from operating level	H_0=.....
Actuator	.....
Pressure [mH_2O]	.....

Seal*:

NBR/EPDM/Viton

* delete as appropriate





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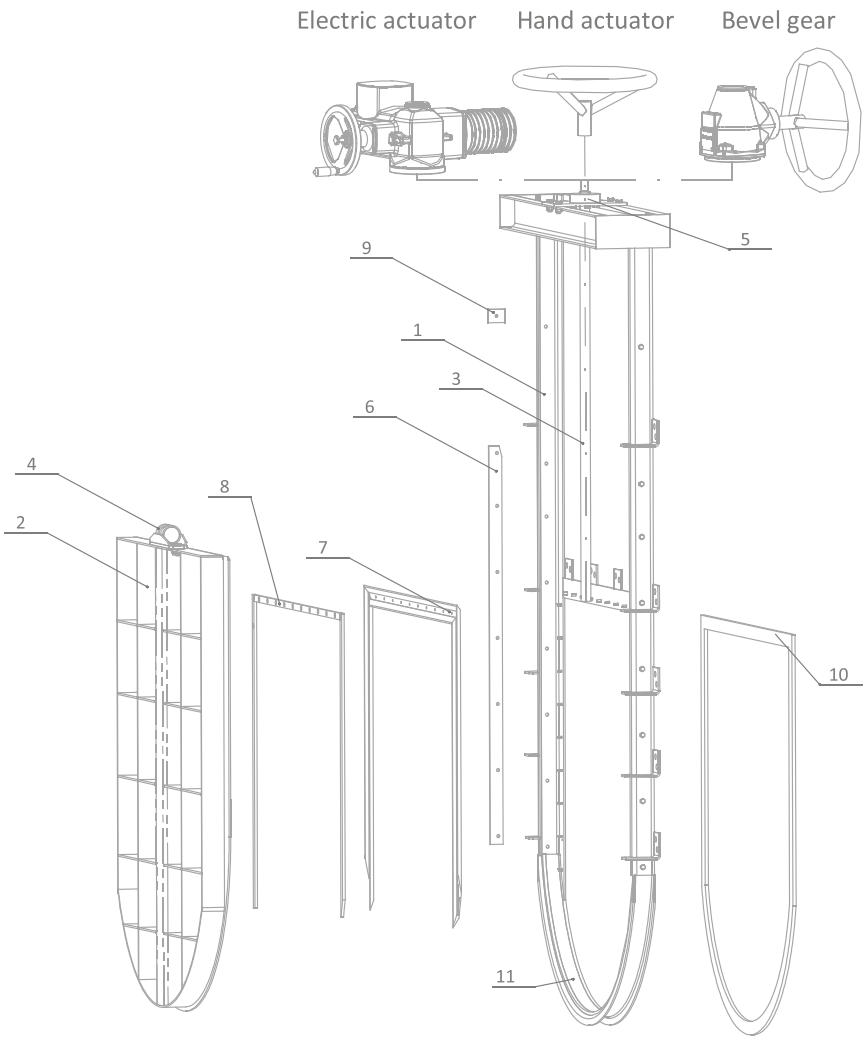
Penstock type MV-ZNK



No.	Element	Material*
1	Welded frame	1.4301, 1.4541, 1.4571, Duplex , etc.
2	Gate	1.4301, 1.4541, 1.4571, Duplex , etc.
3	Stem	1.4301, 1.4541, 1.4571 , etc.
4	Stem nut	Self-lubricating brass Rg7
5	Ball bearings	Stainless steel
6	Sliders	POM-C or PTFE,
7	Seal	NBR, EPDM, Viton
8	Holdfast seals	1.4301, 1.4541, 1.4571, Duplex , etc.
9	Bumper	POM-C or PTFE
10	Wall seal	Foam
11	Lower seal	NBR, EPDM, Viton

* Delete as appropriate. Other versions available on special order.

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