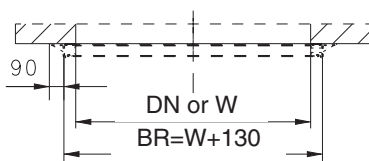


## Details

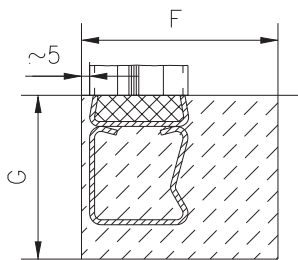
### Recesses

DN / W x H	F	G
150 - 1200	120	100

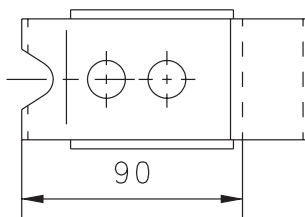
### Section A-A



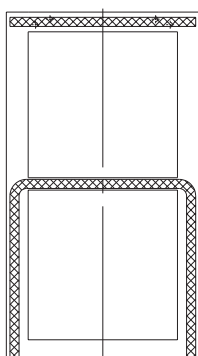
### Section B-B



### Fastening claw



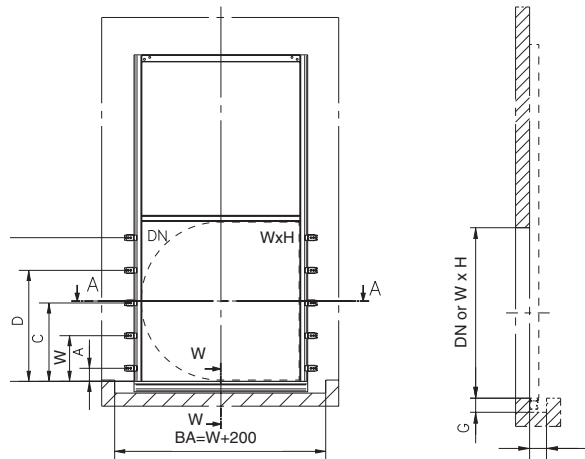
### Configuration of sealing tape



## WAGU PRO Penstock 4480

For anchor bolting, with straight sill for grouting

## Structure Recesses



## Mounting Instructions

- ➔ Fix the sealing tape to the back of the frame (see detail).
- ➔ Place the **WAGU PRO** Penstock at the determined position and see to it that the invert seal is aligned with the channel invert.
- ➔ The drilled holes in the upper cross profile serve for preliminary fastening.
- ➔ Attach the fastening claws at the determined positions (see detail and table).
- ➔ For a **WAGU PRO** Penstock of large nominal size and/or high pressure rating, the middle brace has to be provided with an additional fastening angle.
- ➔ Fixing has to be effected by compound anchor bolts.
- ➔ When pretightening the fixing nuts take care that the **WAGU PRO** Penstock sits close without any distortion.
- ➔ Possible structural tolerances to DIN 18202 will be compensated by the wall sealing.
- ➔ The mounting torque has to be applied crosswise by a wrench in order to obtain final fastening force.
- ➔ It is not possible to change the position of the frame after grouting. For that reason, prior to grouting the **WAGU PRO** Penstock has to be checked for perfect performance.
- ➔ When grouting the sill with expanding grouting mortar<sup>1)</sup>, no mortal must touch the seals or the frame profiles. Possible impurities have to be removed immediately.

<sup>1)</sup> We recommend to use a grouting mortar based on cement, e.g. VGM Superfluid of company TRICOSAL, BETEC Rapid or similar.

Penstock size Width W x H	Frame	Distance for fastening claws					Anchor Thread
		A	B	C	D	E	
150	2	100	-	-	-	-	M12
200	2	100	-	-	-	-	M12
250	2	120	-	-	-	-	M12
300	2	50	300	-	-	-	M12
350	2	100	350	-	-	-	M12
400	2	100	400	-	-	-	M12
450	2	100	450	-	-	-	M12
500	2	120	500	-	-	-	M12
600	2	100	350	600	-	-	M12
700	4	100	350	700	-	-	M12
800	4	100	400	800	-	-	M12
900	4	150	450	900	-	-	M12
1000	4	100	350	650	1000	-	M12
1100	4	100	350	600	850	1100	M12
1200	4	100	350	600	900	1200	M12

**ERHARD - The Answer to Your Valve Problems**