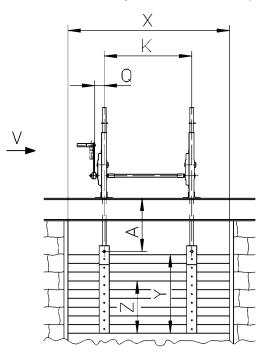


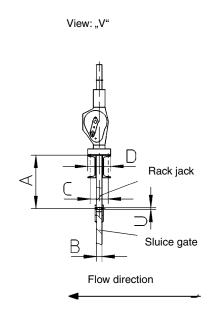
## Checklist for designing a sluice gate drive

For a quotation kindly fill in at least the details marked with *.				
Company:				
		_		
Street / No.:		Contact		
Postcode / Place:		Department		
Phone	Fax	Email		

## 1. Dimension definition

Please define the dimensions for your project using the sketch and enter them in the following table. If the reinforcement systems are different, please complete one checklist per sluice gate drive.





*Doguirod	numbor	of aluion	gate drives:	
Redilired	numner	വടിലാക	date drives.	

Sluice gate guide:

Bore hole diameter

	☐ Steel/Wood ☐ Steel/Steel ☐ Steel/Pla	stic ☐ Steel/Rubber s	eal   Roller guide
1.2	Material for sluice gate: ☐ Wood ☐ Steel	Thickness:	mm
<b>*</b> 1.3	Sluice gate width	X =	mm
<b>*</b> 1.4	Sluice gate height	Y =	mm
<b>*</b> 1.4.1	Water storage level	Z =	mm
<b>*</b> 1.5	Total weight of the sluice gate	G =	kg
1.6	Winch spacing for double sluice gate drive	K =	mm
<b>*</b> 1.7	Dimension A (sluice gate, top)	A =	mm
<b>*</b> 1.8	Required lift	H =	mm
4.0			
1.9	Dimension C	C =	mm
1.10	Dimension D	D =	mm

34-0

\*1.1

1.11

2.	*Оре	erating mode
		Please tick the checkbox
	2.1 2.2	Manual operation, lateral crank  Manual operation, by angular gear, crank centered  Fixed crank handle  Removable crank handle  Crankshaft extension  Please specify dimension Q mm
	2.3	Electric drive incl. stroke limit switches, load limiter and emergency hand wheel:  400 V three-phase current   230 V AC   24 V DC
	2.4	Position of servo drive central □ lateral □ handwheel upstream □ handwheel downstream □ Signal output 4-20 mA (2 x) □ or other device □
	2.5	Control
3.	* Free	quency of use
	3.1 3.2 3.3 3.4 3.5	Actuation up to 10 x per annum  Actuation up to 100 x per annum  Actuation up to 500 x per annum  Continuous operation: On-Off mode > 10 x per day  Controlled operation
4.		llation situation
	4.1 A	oplication or use
	4.2 4.3	Direction of bore hole "U" in the flow direction  □ Direction of bore hole "U" perpendicular to the flow direction  □
5.	*Acc	essories
	5.1 5.2 5.3	Rack covered with fixed protective tube  Rack with protective cap (rises with rack)  Surface protection: □ KTL coating □ Galvanized □ Powder coated RAL 9005 □ other
6.	Sluic	e gate ratio for sluice gate drive design
		e gate ratio = Y/X =/ =
	trom	which we obtain: $Y/X \ge 1.5 = Single sluice gate drive$ $\square$ $Y/X < 1.5 = Double sluice gate drive \square$
7.	Regu	ired pulling force F
	-	$[\mu \times Y \times (Z - Y/2) \times X + G] \times S \times 10 = (N)$
G = S =	Width of slu Total weigh Safety factor	uice gate height in dm. If the storage level is less than the sluice gate height put in this value sice gate in dm t of sluice gate in kg or (we recommend S = 2) of friction (experience values) for: Wood/Steel = 0.45, Steel/Steel = 0.3, Steel/Plastic = 0.25, Steel/Rubber seal > 0,45

For rollers = 0.15