

# STOP-TURN-BLOCK SYSTEM

# STÜWE

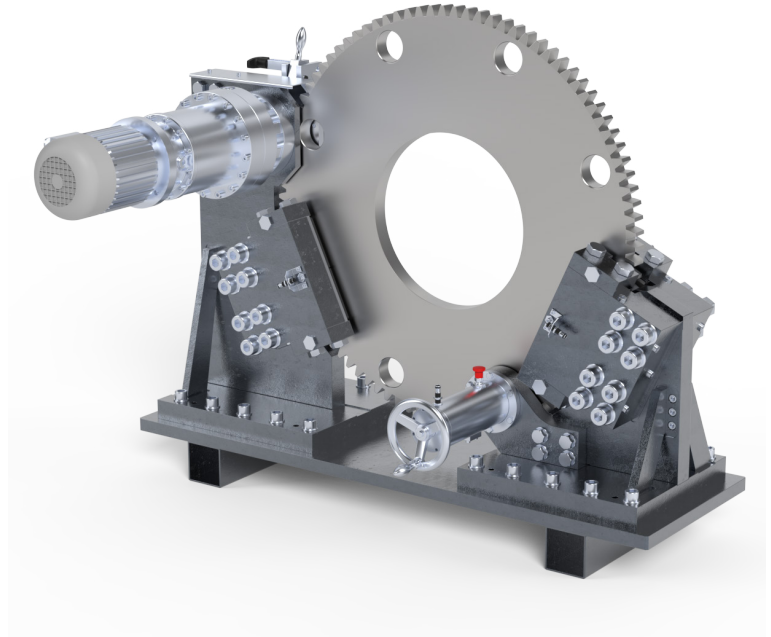
The modular system offers devices with all three, two, or one of the main functions: **STOP, TURN, BLOCK**.

**STOP:** The shaft can be stopped after disconnecting the main engine using a brake system (hydraulic, pneumatic, or electric). The power unit is provided, with customizable interface and function.

**TURN:** Allows turning the main shaft in both directions without starting the main engine. Electrically actuated, with a safety handwheel for emergency use. Accounts for the difference between static and dynamic turn torque. Gear wheel delivery included by STÜWE®.

**BLOCK:** The shaft can be blocked with a pin engaging in the disc holes. Actuation by hand, handwheel, or electrically.

The **STB** system from STÜWE® includes a control system, either local or with a bridge interface, ensuring safety and ease of operation. Full remote control available upon request.



SIZE:		1	2	3	4	5 to 1000	
<b>STOP (BRAKE)</b>							
Brake disc outer diameter	mm	800	1000	1200	1400	<b>Customized as specified, with standard components</b>	
brake radius approx	m	0,32	0,4	0,5	0,6		
Number of brakes		1	1	2	4		
Brake force each brake	kN	87,5	140,00	140	140		
Coef of friction		0,35	0,35	0,35	0,35		
Brake torque on shaft max.	kNm	28	56,00	140	336		
<b>TURN</b>							
Turn torque	kNm	6,3	12,50	40,00	80,00		
Turn torque short/ start	kNm	10	19	60	120		
Turn speed required	rpm	0,5	0,5	0,5	0,5		
<b>BLOCK</b>							
Block torque	kNm	25	63,00	160,00	320,00		
Diameter pin orientative	mm	50	70	80	100		

## ADVANTAGES made by STÜWE®:

- Simple, safe and robust design with high corrosion protection
- Easy and safe operation due interlocks in the control
- All electronic components including sensors used have a certification due a classification authority
- Only one sensor type for all functions means high availability on sea and worldwide.
- Easiest maintenance, for example if brake pads has to be replaced

## STÜWE® delivers also shrink discs for your maritime applications.

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