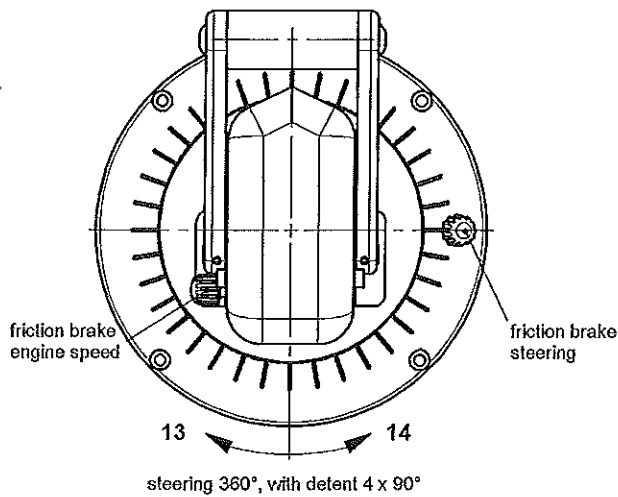
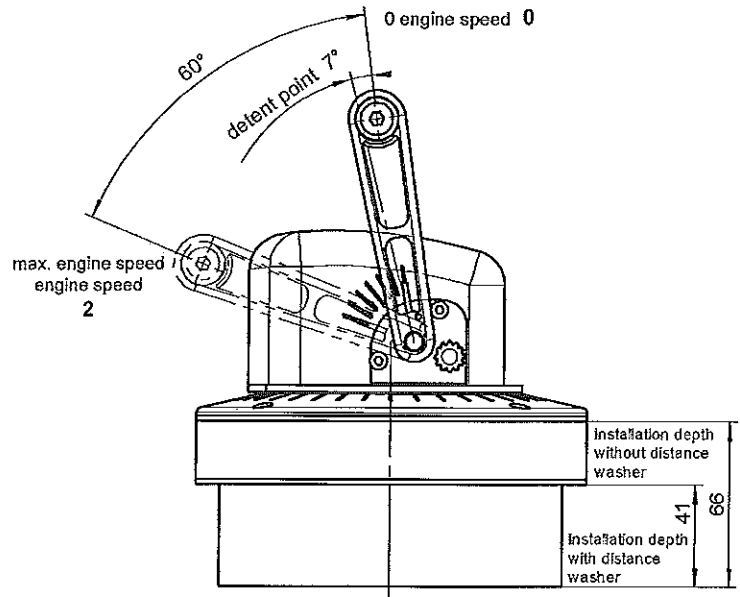
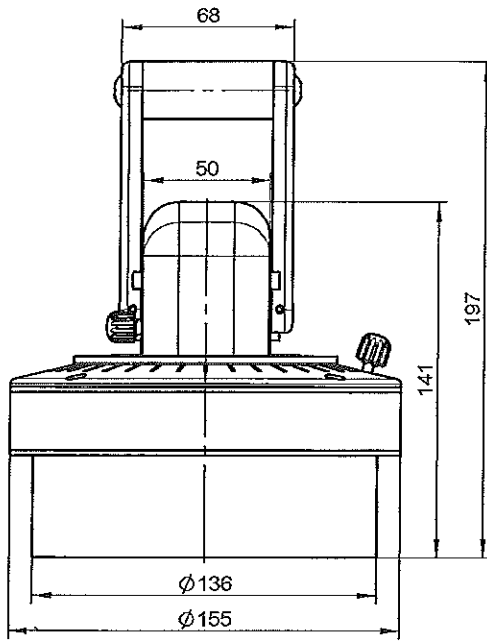
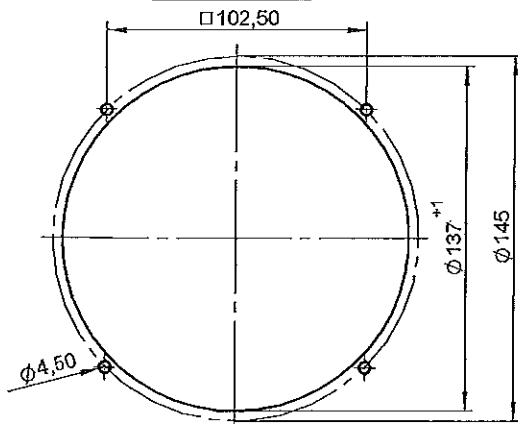
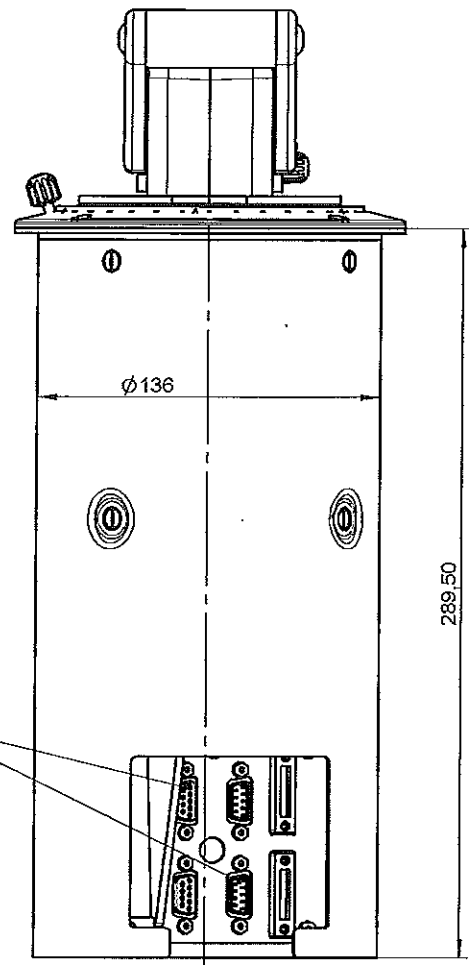




hole pattern

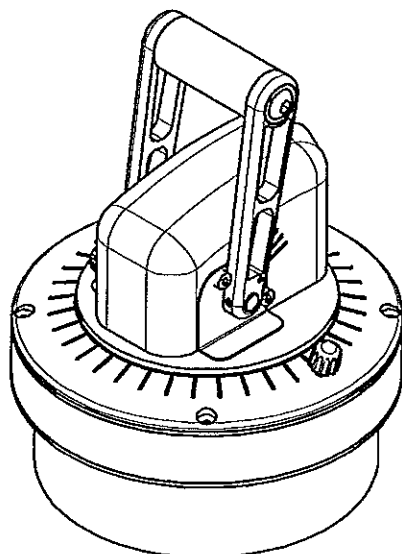


construction with motor ressetting control system



AZ1 - LED - N - S + N - S - B - X - E - E

- | | |
|----------------------------|--|
| Naval crouse controller | Electronic description direction 13 - 14 |
| Scale illuminated | Electronic description direction 2 - 0 |
| Follow - up control system | Special please describe |
| direction 2 - 0 | |
| Encoder direction 2 - 0 | Housing |
| Follow - up control system | Encoder direction 13 - 14 |
| direction 13 - 14 | |



The naval cruise controller AZ1 (Azimut=set curse) is a rugged switching device according IEC/EN 60947-5-1

The modular design includes:

The mechanical control - system for the engine speed 0 - max.rpm.

Switching angle 60 degree with pressure printat 7 degree and friction brake direction 0-2

The mechanical control-system for the steering left / right 360 degrees with pressure points 4x90 degrees and frictions brake direction 13-14

Fuhrter modular features acc. Pos.6 -55 are optional additions or variants

The AZ1is resistant to oel,maritime climate,ozone and UV radiation

Mechanical life

12 million (operating cycles

Pemissible ambient temperature

Operation -40 to +60 degree C

Storage -50 to + 80 degree C

Climate resistance

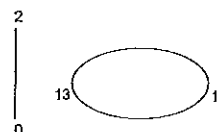
damp heat constant/cyclic

IEC 60068-2-78/30

Deree of protection

IP 66 IEC / EN 60528

Drive unit with schematic idications of directions illustrated version for installation forward (reverse mirror image)



Pos.	AZ1 drive unit (mechanical) for speed amd steering	Type expansion	Weight gramm	Form	Price EURO
01 02 03 04 05			2800	AZ1	1856,-
06	Scale illuminated LED-board 24 Volt DC dimmable		150	LED	144,-
10	Follow-up control system (synchronisation) direction 0-2 for engine speed by stepping motor 24 Volt DC		400	N	647,-
12	Follow-up control system (synchronisation) direction 13-14 for steering by stepping motor 24 Volt DC		400	N	647,-
15	Set point encoder for redundant hallsensors with electronic, magnet each direction with mounted Electronic voltage output impressed 5 Volt +5 mA output characteristic linear, power supply 4,6-5,5 Volt DC	E...	150	S	130,-
16	Electronic output power impresses 4-20 mA output characteristic linear power supply 10-28 Volt DC	E...	150	S	142,-
20	more Electronic (Amplifier, Profi-Bus, CAN-Bus), see catalog 3/510 f.f.				
50	Cover housing		300	B	45,-
51	Filter plug M20 for air-condition		20		14,-
52	Cable entry M20 with anti-klink protection and stain relief		30		14,-
53	Plug in socketpole female insert D-SUB... wired		150		84,-
54	Connector ...-pole male insert D-SUB... unwired		150		34,-
55	Wiring plug in socket or connector each wired-connection				7,-