

**List of rate-of-turn indicators approved
in accordance with the Rhine Vessel Inspection Regulations**

Rate-of-turn indicators which were approved according to the rules adopted by Resolution 1969-II-18

The installation of the following rate-of-return indicators, which were approved **according to the rules adopted by Resolution 1969-II-18** before 1 January 1990, are prohibited as from 1 January 2000.

They may however remain installed and be operated until the renewal of the vessel certificate after 1 January 2015, if a valid installation certificate (1989-II-35) has been issued.

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
B 1.1	Mark IV	Decca London	Debeg, Hamburg, D	25.6.1971	D	7
B 1.2	MK 4	Decca		24.12.1979	NL	B 168
B 1.3	MK 4-7	Decca		15.6.1978	NL	KN 854
B 2.1	Naviturn I	C. Plath, Hamburg	C. Plath, Hamburg, D	25.11.1971	D	8
B 2.2	Naviturn I	Plath		13.5.1977	NL	B 290
B 3.1	MK 8 - B	Kelvin Hughes, London	Elna, Hamburg, D	25.8.1970	D	9
B 3.2	MK 8/90 MK 8/300 MK 8 - B	Kelvin Hughes		24.2.1971	NL	B 127 A
B 4.1	WZ 918 M	Apparatebau Gauting GmbH Gauting	Gauting GmbH, D	5.5.1971	D	10
B 4.2	WZ 918 M	Gauting		12.4.1973	NL	B 202
B 5.1	WZ 7491	Debeg GmbH, Hamburg	Debeg GmbH, Hamburg, D	16.5.1972	D	11
B 5.2	WZ 7491	Debeg		19.7.1974	NL	KN 634
B 6.1	VM - 3R	Tesla Pardubice n.p.	Ships Electronics, Antwerpen, B	30.4.1975	D	12

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
B 7.1	SWZ 2000 B	Apparatebau Gauting GmbH	Gauting GmbH, Gauting, D	15.10.1976	D	13
B 7.2	SWZ 2000 B	Gauting		28.3.1977	NL	KN 742
B 8.1	SWZ 2000 BS	Gauting	Gauting GmbH, Gauting, D	15.10.1976	D	14
B 8.2	SWZ 2000 BS	Gauting		6.8.1979	NL	KN 742
B 8.3	SWZ 2000 DS	Gauting		18.12.1979	NL	KN 742 B
B 9.1	410 - 016	Anschütz, Kiel	Anschütz, Kiel, D	16.5.1977	D	15
B 10.1	410 - 019	Anschütz	Anschütz, Kiel, D	16.5.1977	D	16
B 10.2	410 - 019 Gyromat compact	Anschütz		2.3.1979	NL	KN 853
B 10.3	410 - 024	Anschütz	Anschütz, Kiel, D	1.9.1981	D	22
B 11.1	RZ 7224/01-02	Radio Zeeland		24.2.1978	NL	KN 808
B 11.2	RZ 9924/02	Radio Zeeland		30.11.1979	NL	KN 897
B 11.3	RZ 8500	Radio Zeeland		11.1.1980	NL	KN 897 A
B 11.4	RZ 8082/01-02	Radio Zeeland		1.1983	NL	KSR 1004 BO
B 11.5	Combipilot RZ 9500	Radio Zeeland	Radio Zeeland, Terneuzen, NL	1.1984	NL	KSR 1004 CO
B 11.6	Euro 300/ Delta 300	Radio Zeeland	Radio Holland, Rotterdam, NL	10.1989	NL	KSR 102 200
B 11.7	Euro 500/ Delta 500	Radio Zeeland	Radio Holland, Rotterdam, NL	10.1989	NL	KSR 102 300
B 11.8	RZ 8082	Radio Zeeland		11.1986	NL	KSR 1008 CO
B 12.1	918 M	Sperry		25.1.1977	NL	KN 683

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B 13.1	SRS 0589	Tamam (Ships Radio Service)		19.1.1979	NL	KN 851 A
B 13.2	Tamam 0589 L	Tamam (Instrument Industries)	Ships Radio Service, Schiedam, NL	10.1982	NL	KSR 1001 AO
B 14.1	BWZ 79	Kadlec u. Brödlin	Kadlec u. Brödlin, Duisburg, D	15.8.1979	D	17
B 15.1	WASP 1	Radio Pfeiffer GmbH Darmstadt	Radio Pfeiffer GmbH Darmstadt, D	15.8.1979	D	18
B 16.1	RI 4225	Radio Holland		10.10.1979	NL	KN 880 A
B 16.2	RI 4225 A	Radio Holland		10.10.1979	NL	KN 880 B KN 880 C
B 16.3	RI 4225 B	Radio Holland		31.3.1980	NL	KN 921
B 16.4	RI 4225 AD	Radio Holland		15.8.1980	NL	KN 935
B 16.5	RI 4225 BD	Radio Holland		15.8.1980	NL	KN 935 C
B 16.6	RI 4225 D	Radio Holland		15.8.1980	NL	KN 935 B
B 16.7	Hoeker 100 RI 4740 – RH 4822	Radio Holland	Radio Holland, Amsterdam, NL	5.1984	NL	KSR 100 800
B 16.8	Hoeker 110	Radio Holland	Radio Holland, Rotterdam, NL	23.5.1989	NL	KSR 101 600
B 16.9	Hoeker 300	Radio Holland		11.1986	NL	KSR 1008 BO
B 16.10	RI 4225-RH 4728	Radio Holland		1.1985	NL	KSR 101 000
B 16.11	RI 4225A-RH 4728	Radio Holland		1.1985	NL	KSR 101 000
B 16.12	RI 4225 AD-RH 4728	Radio Holland		1.1985	NL	KSR 101 000
B 16.13	RI 4225 B-RH 4728	Radio Holland		1.1985	NL	KSR 101 000
B 16.14	RI 4225BD-RH 4728	Radio Holland		1.1985	NL	KSR 101 000
B 16.15	RI 4225D-RH 4728	Radio Holland		1.1985	NL	KSR 101 000

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
B 17.1	Turnaid ST	Sperry		25.3.1980	NL	KN 902 A
B 17.2	Turnaid 300	Sperry		25.3.1980	NL	KN 902 B
B 17.3	Turnmaster	Sperry	Sperry Marine Systems, Vlaardingen, NL	10.1983	NL	KSR 1006 AO
B 18.1	Navigat/90	Engel u. Meier, St. Goar	Engel u. Meier, St. Goar, D	15.1.1980	D	19
B 18.2	Navigat/90	Engel u. Meier		31.12.1979	NL	KN 916
B 19.1	Navrate	Engel u. Meier	Elna, Rellingen, D	1.9.1980	D	20
B 19.2	Navrate II	Engel u. Meier	Elna, Rellingen, D	15.2.1984	D	24
B 20.1	DEBEG 4800	AOA Gauting	Debeg, Hamburg, D	7.9.1980	D	21
B 21.1	INA/RTI 90	Engel u. Meier, St. Goar		1.11.1980	NL	KN 906
B 22.1	EM 310	Engel u. Meier	Engel u. Meier, St. Goar, D	15.2.1984	D	23
B 22.2	MP 2001	Engel u. Meier	B.U. Mäder, Duisburg, D	15.2.1984	D	25
B 23.1	EP 401	Eprom Electronica		3.1988	NL	KSR 101 500
