

# Reckmann Furling Systems



A+ Rigging Official Reckmann distributor

## Reckmann manual furlers

### Above Deck MF



### Below Deck MF/DF



The manual furling systems of the MF series are the continuation of a long tradition of reliable and well-engineered furling systems. Building on more than 30 years of experience with our manual furling systems, this product shows the continuation of both our technical and optical principles:

- uncompromising reliability
- timeless design
- long durability
- low-maintenance operation
- high availability of replacement parts

We have also developed a below-deck version of the MF plant. This allows plants designed by other manufacturers to be conveniently installed in the installation room at a later date.

### Integrated Length Adjustment

The MF range furling systems offer the possibility of adjusting the length of the stay. The tensioner is located in the transition area from the drum for profiles. This means that systems mounted below deck can allow for a simple installation of forestay lengths.

### Stainless Steel Drum Guard

The elegant stainless steel drum protection cage prevents the reef line from slipping. It also protects the furling system from damage.

### Halyard Swivel FS

The torque-free Reckmann high-performance halyard swivels turn with extremely low amounts of friction, thereby guaranteeing a secure operation without twisting the halyard. The compact design and size graduation ensure a low weight aloft.

### Above Deck MF

		MF-1/R10	MF-1/R20	MF-2/R20	MF-2/R30	MF-3/R40	MF-3/R50
halyard swivel	[-]	FS-1	FS-2	FS-2	FS-3	FS-4	FS-5L
furling foil	[-]	R10	R20	R20	R30	R40	R50
wire diameter	[mm]	6, 7, 8	8, 10	10	12, 14	14, 16	on request
rod sizes	[-]	8, 12	12, 17, 22	17, 22	22, 30, 40	30, 40, 48	on request
stroke stay adjuster	[mm]	60	60	60	60	80	80
max. headstay length	[m]	15,6	20,1	20,1	24,75	27,9	36,9

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## Below Deck MF/DF

		MF-1DF/R10	MF-1DF/R20	MF-2DF/R20	MF-2DF/R30	MF-3DF/R40	MF-3DF/R50
halyard swivel	[-]	FS-1	FS-2	FS-2	FS-3	FS-4	FS-5L
furling foil	[-]	R10	R20	R20	R30	R40	R50
wire diameter	[mm]	6, 7, 8	8, 10	10	12, 14	14, 16	on request
rod sizes	[-]	8, 12	12, 17, 22	17, 22	22, 30, 40	30, 40, 48	on request
stroke stay adjuster	[mm]	60	60	60	60	80	80
max. headstay length	[m]	15,6	20,1	20,1	24,75	27,9	36,9

## Reckmann Electric furler EF90

With the electric EF90 reefing systems, trendsetting design and peak efficiency are combined in an overall highcapacity system. They are designed for yachts of approx. 36-70 foot in length and for wire forestays from 8 to 16 mm in diameter (alternatively rods 12 to 76). A newly developed gear technology and sophisticated bearing technology lend the smooth running EF90 an unprecedented functionality. With respect to construction, the selfbraking worm gear is nearly maintenance free.

Comforting to know that in emergency situations it is easy to switch over to manual operation. In order to guarantee secure and simple operation, loads from the sail are completely absorbed and hence cannot affect the winch handle.

The integrated length adjustment is likewise easy to operate and works even with tacked sail. The technical equipment and the exclusive use of top value materials make this an overall valuable and durable system, tailored to the requirements of ambitious yachtsmen. The system sizes EF90-2 and EF90-3 guarantee high performance and top efficiency in simple and comfortable operation on 36 foot boats as well as larger yachts.



### Emergency Manual Backup

The unique EF90 manual drive ensures the greatest possible level of security. By simply inserting a standard winch handle, the electric drive will disconnect and switch to manual operation. Due to this special gear mechanism that prevents sail forces from transferring to the winch handle, the reefing system can be safely and easily operated, even when in manual mode.

### Integrated Length Adjustment

The integrated length adjustment is easy to use and works even when the sail is bent. This means that rigs and sails can be trimmed exactly.

### Tack Swivel Ring Bearings

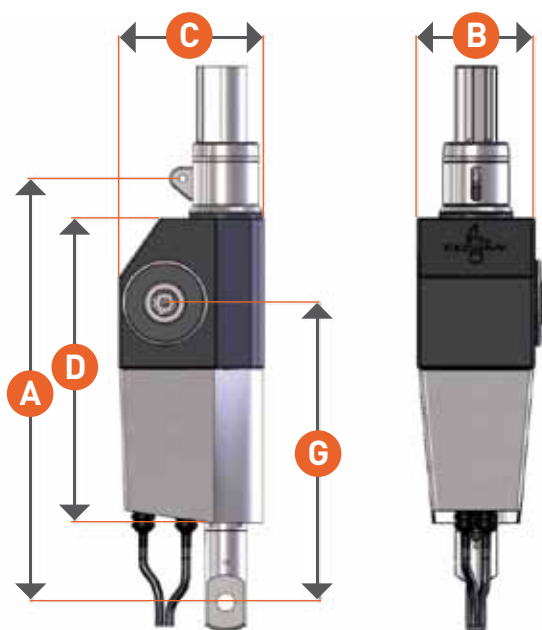
The EF90 furler tack swivel rings have a double axial bearing. This means that even heavy loads can be carried reliably. In order to avoid point loading on the bearings, loads are distributed using distribution plates over the whole bearing.

### Halyard Swivel FS

The Reckmann high performance halyard swivels turn with extremely low amounts of friction, thereby guaranteeing a secure operation without twisting the halyard. The compact design and size graduation ensure a low weight aloft.

## Reckmann Electric furler EF90

	EF90-2		EF90-3	
A [mm]*	475		602	
B [mm]	128		153	
C [mm]	155		195	
D [mm]	310		391	
G [mm]*	342		452	
stroke [mm]	70		70	
weight [kg]	22		32	
aluminium foils	R20	R30	R40	R50
carbon profile	S2	S2.5	S3	S4/S4.5
max. rod size	-17	-30	-48	-60
max. wire [mm]	10	12	14	16
max. headstay length [m]	18	23	27	31
* adjuster in mid position				



## Reckmann Hydraulic furler RF90

The RF90 is a hydraulic high performance reefing system for foresails built to be virtually maintenance free and with superior gear technology these systems offer maximum performance and longevity. The integration of spiral mesh gearing, sophisticated bearing design and a selfbraking worm gear, result in a quiet and smooth running system, which meet the highest industry standards.

Moreover, the special emergency manual drive fitted to the RF 90 offers complete safety to the user. Through the simple insertion of a standard winch handle the hydraulic drive is uncoupled and switched to manual operation. Thanks to a special gear mechanism, which prevents transfer of the sail load to the winch handle, the reefing system can be operated easily and safely even in manual operation mode. All systems in this series are equipped with an easy to operate length adjuster for optimal trimming of mast and sail. The hydraulic supported length adjusters are available starting with model RF90-4.



### Manual Backup

The unique RF90 manual drive ensures the greatest possible level of security. By simply inserting a standard winch handle, the hydraulic drive will disconnect and switch to manual operation. Due to this special gear mechanism that prevents sail forces from transferring to the winch handle, the reefing system can be safely and easily operated, even when in manual mode.

### Tack Swivel Ring Bearings

The RF90 furler tack swivel rings have a double axial bearing. This means that even heavy loads can be carried reliably. In order to avoid point loading on the bearings, loads are distributed using distribution plates over the whole bearing. Integrated Length Adjustment. The integrated length adjustment is easy to use and works even when the sail is bent. This means that rigs and sails can be trimmed exactly. For all RF90 series furling systems, we offer an optional realtime hydraulic stay tensioner.

### Optional Hydraulic Stay Length Adjustment (RT)

RF90 series furling systems are optionally available with hydraulic length adjustment for adjusting forestay lengths. For yachts with several forestays, the load is shifted quickly and comfortably between the various forestays. Furling systems with this function bear the label "RT" in the description.

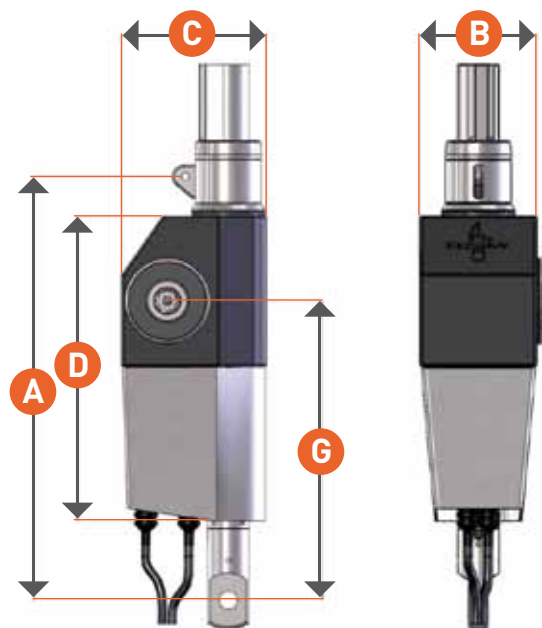
### Halyard Swivel FS

The Reckmann high performance halyard swivels turn with extremely low amounts of friction, thereby guaranteeing a secure operation without twisting the halyard. The compact design and size graduation ensure a low weight aloft.



## Reckmann Hydraulic furler RF90

		RF90-2DS	RF90-3DS	RF90-4DS	RF90-5DS	RF90-5.5DS220	RF90-6.5DS	RF90-7.5DS
A*	[mm]	428	481	690	895	1000	1255	1750
B	[mm]	128	147	166	204	204	284	372
C	[mm]	156	180	235	256	280	373	521
D	[mm]	305	352	446	570	578	767	893
G*	[mm]	294	345	481	630	707	898	1113
stroke stay length adjustment	[mm]	70	70	110	118	130	250	500
weight	[kg]	21	31	66	104	133	295	576
max. oil flow motor	[l/min]	10	17	35	45	60	75	110
max. pressure motor	[bar]	100	100	140	175	175	175	225
max. stay load	[t]	7	14	21	39	50	73	98
max. tack load	[t]	1,5	2,5	3,5	5	6	8	10
max. rod size	[-]	-30	-60	-91	-170	-220	-320	-430
max. diameter wire	[mm]	12	16	22	32	-	-	-
max. headstay length	[m]	23	36	42	50	60	70	85
matching aluminium foils	[-]	R20, R30	R40, R5	R5, R6	R6, R7	R7, R8	R8	-
matching carbon foils	[-]	S2, S2.5	S3, S4, S4.5	S5, S5.5	S6, S6.5, S7	S7, S7.5, S8	S7.7, S8, S8.5	S9, S9.5
*position headstay length adjuster		fully retracted	fully retracted	fully retracted	fully retracted	fully retracted	fully retracted	fully retracted

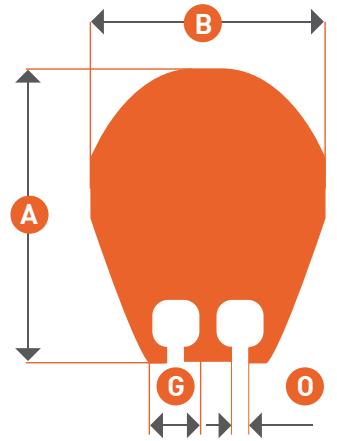


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## Reckmann Profile Measurements

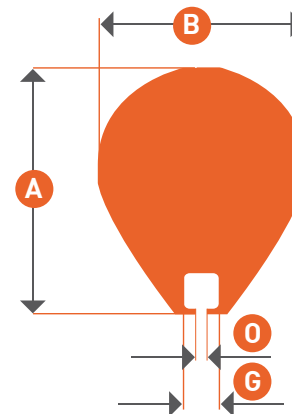
### Aluminium Profiles

	groove	G	O	A	B
		[mm]	[mm]	[mm]	[mm]
R10	double	6,4	2,3	31,4	24,1
R20	double	6,4	2,3	35,8	28,8
R30	double	7,5	3	45,5	36,1
R40	double	7,5	3	49,1	38,7
R50	double	8	3,5	54	42
R5	double	7,5	3,5	60	47
R6	double	7,5	3,5	72	60
R7	double	7,5	3,3	85	72
R8	single	8	3,2	107	93



### Carbon Profiles

	G	O	A	B
	[mm]	[mm]	[mm]	[mm]
S2	7,2	2,8	38,5	29
S2.5	7,2	2,8	41,3	32,2
S3	7,2	2,8	49	38,5
S4	7,2	2,8	55,4	44,4
S4.5	7,2	2,8	60	50,8
S5	7,2	2,8	67,1	56,6
S5.5	7,2	2,8	72,8	62,7
S6	7,2	2,8	82	71,5
S6.5	7,2	2,8	86,9	76,2
S7 small	7,2	2,8	87,3	81,3
S7 large	10	3,8	91,3	81,3
S7.5	10	3,8	107,25	90,2
S8	10	3,8	112	97,3
S8.5	10	3,8	122	107,5
S9	13,02	5,01	148,2	132
S9.5	13,02	5,01	170,6	154



Also available by A+ Rigging Nederland BV

Reckmann Hydraulic UD furler



Reckmann Electric Code Zero furler



Reckmann Hydraulic Code Zero furler



Reckmann Hydraulic Staysail furler



Reckmann Electric/Hydraulic Boomdrives



Reckmann inMast furling systems



For more info about these products please contact A+ Rigging Nederland BV  
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