

nautic type E

The Speich Nautic E range of windscreen wipers is designed to simplify the preparation and installation of small sized windscreen wipers.

It's easy to modify arm length, motor unit wiping angle and park position side even the system already installed.

MOTOR UNIT

The motor unit determines the alternating movement of the wiping arm; the rotation angle of the arm is called wiping angle "α".

It's available in 12V and 24V DC, has two speeds, a self-parking mechanism and variable wiping angle.

TECHNICAL FEATURES

Two speeds: $V_1=70$ and $V_2=110$ stroke/min

Power consumption: 35W (V_1) - 40W (V_2)

Starting power: 100W (V_1) - 110W (V_2)

Self-parking on either right or left side

Available wiping angles: 45° - 50° - 60° - 70° - 80° - 90° - 100° - 110°

Code	Wall thickness D	Voltage
E1238	5 mm 12 mm	12 V
E1264	15 mm 35 mm	12 V
E1290	38 mm 60 mm	12 V
E2438	5 mm 12 mm	24 V
E2464	15 mm 35 mm	24 V
E2490	38 mm 60 mm	24 V

In the drawing you can find the schematic diagram to connect the motor to the line.

S: Switch (please see accessories)

F: Fuse (T3A for 24V - T5A for 12V)

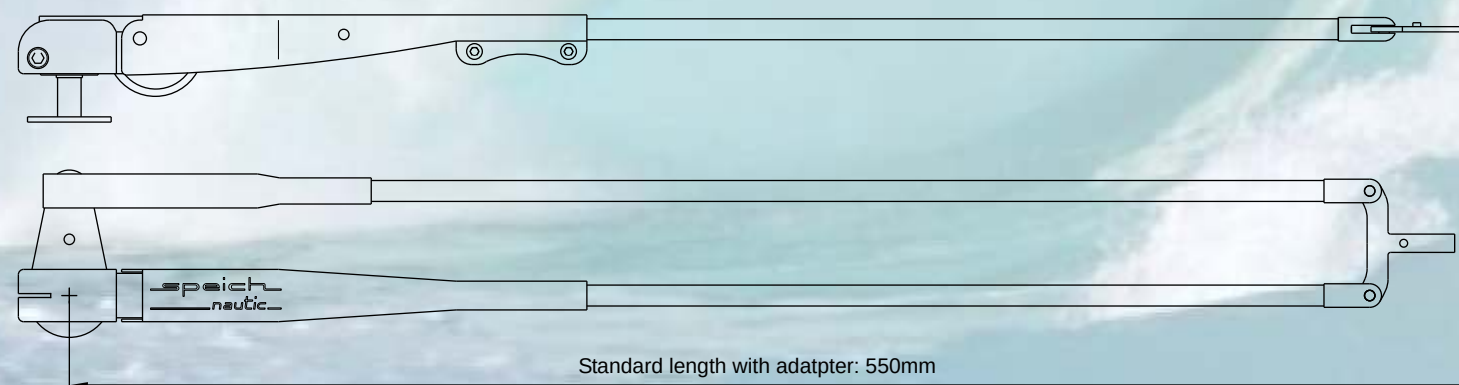
THE ARM

Following arm types are available:

- Pantograph code: E95P

- Pendulum code: E95F

Both arms type have adjustable length and are supplied in their maximum length 550 mm.

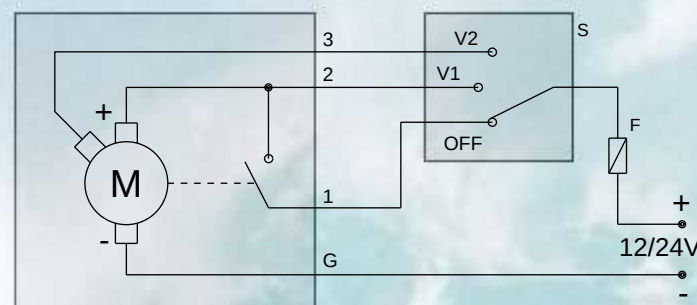
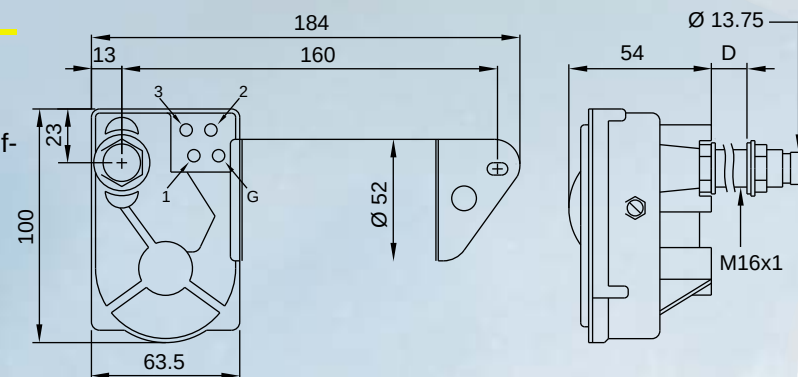


Standard length with adapter: 550mm

THE BLADE

The blades have 7mm bayonet fastenings and are available for sizes 280, 330, 400, 450, 500mm.

Code	Length
E37-280	280 mm
E37-330	330 mm
E37-400	400 mm
E37-450	450 mm
E37-500	500 mm



Code	Type
E95P	Pantograph
E95F	Pendulum

Our technical department is always available to help you choose the optimum wiper system for your particular circumstances. To do this, with reference to drawings below, we need to know window dimensions (width B and height H) and the position of the hole for motor shaft (measure C).

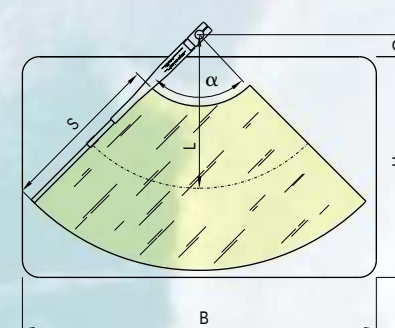
Drawings or sketches of irregularly shaped windows should be sent.

WINDSCREEN WIPER CHOICE

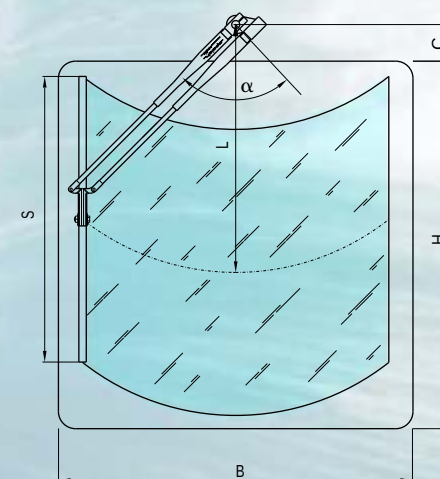
Please find below the schedules showing the wiper arm to be used (pantograph azure squares, pendulum yellow squares) on the basis of the window dimensions. Before using the schedules, you have to decide the distance **C** between the hole for the motor axle and glass edge.

The first schedule is calculated for C=100mm, the second for C=50mm.

In the square where the row and the column, indicating height and width of the glass, cross each other, you can find the best arm length (P for Pantograph, F for Pendulum), wiping angle ✓ and blade length S.



Pendulum arm type E95F



Pantograph type E95P

Measure C= 100mm 20mm

		WIDTH "B"														HEIGHT "H"
		350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
HEIGHT "H"	400	P330 S280	P330 70° S280	P340 80° S280	F330 60° S280	F310 70° S280	F330 70° S280	F330 80° S280	F330 90° S280	F330 100° S280	F340 110° S280	F340 110° S280	(1)			450
		P350 S330	P350 70° S330	P350 80° S280	P350 90° S280	F350 60° S330	F330 70° S330	F350 80° S330	F350 90° S330	F350 100° S330	F370 80° S330	F370 90° S330	(1)			
		P350 S330	P370 60° S330	P370 70° S330	P390 80° S330	P390 90° S330	F350 60° S400	F350 70° S330	F380 70° S330	F380 80° S330	F380 90° S330	F380 100° S330	F380 110° S330	F380 110° S330		
	500	P400 S400	P400 50° S400	P430 60° S330	P430 70° S330	P430 80° S330	P430 90° S330	P430 100° S330	F430 60° S400	F400 70° S400	F430 80° S400	F430 90° S400	F430 100° S400	F430 110° S400	F430 110° S400	
		600	P430 S450	P430 50° S450	P430 60° S450	P430 70° S450	P430 80° S400	P450 90° S400	P450 100° S400	F430 60° S450	F400 70° S450	F430 80° S450	F430 90° S450	F430 100° S450	F430 110° S450	
			P480 S450	P480 45° S450	P480 50° S450	P480 60° S400	P480 70° S400	P480 80° S450	P480 90° S450	P500 100° S450	F450 60° S500	F450 70° S500	F450 80° S500	F450 90° S500	F450 100° S500	
	700		P500 S500	P500 45° S500	P500 50° S500	P500 60° S500	P500 70° S500	P500 80° S500	P500 90° S500	P500 100° S500	F480 60° S500	F480 70° S500	F480 80° S500	F480 90° S500	F480 100° S500	
		750			P550 S500	P550 45° S500	P550 50° S500	P550 60° S500	P550 70° S500	P550 80° S500	P550 90° S500	P550 100° S500	F500 60° S500	F500 70° S500	F500 80° S500	

Measure C= 50mm 20mm

		WIDTH "B"														HEIGHT "H"	
		350	400	450	500	550	600	650	700	750	800	850	900	950	1000		
HEIGHT "H"	400	P280 70° S280	P280 80° S280	P280 80° S280	F280 70° S280	F270 80° S280	F270 90° S280	F270 100° S280	F270 110° S280	F270 110° S280			(1)				
		450	P300 70° S330	P300 80° S280	P300 90° S280	P300 100° S280	F280 70° S330	F280 80° S330	F300 80° S330	F300 90° S330	F300 100° S330	F300 110° S330	F300 110° S330		(1)		
			500	P320 70° S330	P320 80° S330	P320 90° S330	P330 100° S330	P330 100° S330	F330 60° S400	F320 70° S400	F330 70° S400	F330 80° S400	F330 90° S400	F330 100° S400	F330 110° S400	F330 110° S400	(1)
	550	P350 50° S400		P350 60° S400	P380 70° S400	P380 80° S400	P380 90° S330	P380 100° S330	P380 100° S330	F350 70° S450	F350 80° S450	F430 70° S450	F350 80° S450	F350 90° S450	F350 100° S450	F350 110° S450	
		600	P400 50° S450	P400 60° S450	P380 70° S450	P400 80° S400	P400 90° S450	P400 100° S400	P400 100° S400	P430 70° S500	F370 70° S500	F370 80° S500	F370 90° S500	F370 100° S500	F370 110° S500		
			650		P400 50° S500	P400 60° S500	P400 70° S450	P400 80° S450	P400 90° S400	P450 90° S400	P450 100° S400	P450 100° S400	P450 100° S400	F400 70° S500	F400 80° S500	F400 90° S500	F400 100° S500
	700					P450 50° S500	P450 70° S500	P450 70° S400	P450 80° S450	P500 80° S450	P500 90° S450	P500 100° S450	P500 100° S500	F380 70° S500	F400 70° S500	F400 80° S500	F400 90° S500
		750					P500 50° S500	P500 70° S500	P500 80° S500	P500 80° S500	P500 90° S500	P500 90° S500	P500 100° S500	F430 70° S500	F450 70° S500	F450 80° S500	F450 80° S500
	800						P550 50° S500	P550 60° S500	P550 60° S500	P550 70° S500	P550 80° S500	P550 80° S500	P550 90° S500	P550 90° S500	P550 100° S500	F480 70° S500	F500 70° S500

(1) Please use the same equipment indicated in the last square of the row.

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INSTALLATION NOTE

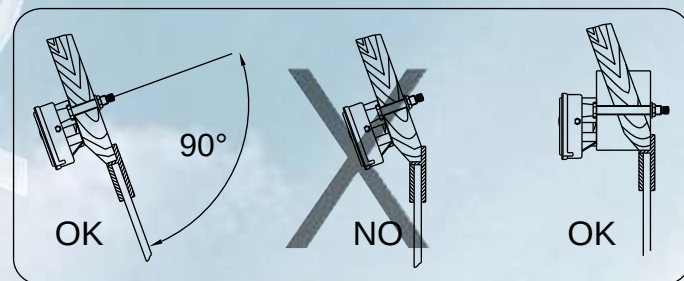
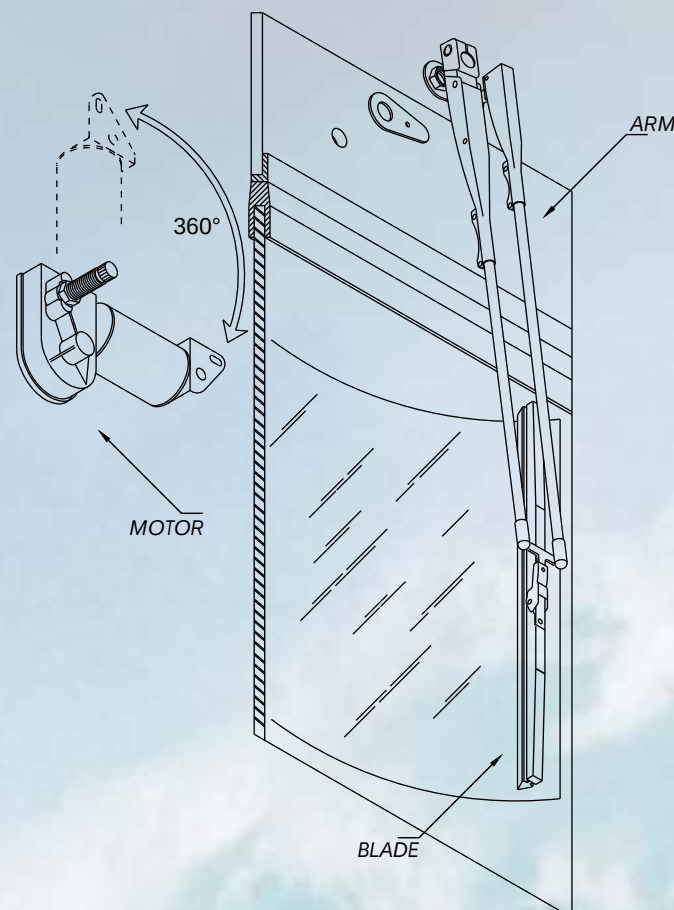
MOTOR UNIT POSITIONING

The motor unit can be installed above or below the window and can be positioned at any angle around its axle.

To install the motor unit drill a 16mm diameter hole at distance "C".

The motor axle must be perpendicular to the glass surface. Insert a block if required.

Please remember to fasten the motor unit to the bulkhead with the fixing bracket (see motor unit drawing).



ACCESSORIES

To complete the windscreen wiper installation we offer a range of accessories including, switches, control panels capable of operating up to four wiper and washer systems, stainless steel tanks and arm mounted spray nozzles.

Manual actuator

For wall thickness D up to 35 mm available for pendulum arms E95F and pantograph arms E95P.

Cod. EMAN



Water tank
capacity 7L
Cod. SERB7L

Spray nozzles
Cod. EZZ
Elettrovalve Cod. EVAL

Rocker
switch
Cod. ESB

Rotary
switch
Cod. ESW

Switch with variable
intermittance
Cod. EVI

Control panels
Cod. ELI



1.2Nm

adjustable
inox AISI 316