BOMAR hatches and portlights

BOMAR Contour low profile hatch

CE

Made of **white epoxy-coated aluminium** and fitted with smoked tempered glass lens. CE approved. **Hidden** hinges on the profile, adjustable dogs with outside opening option and locked vent position.

Code	Opening mm	Cut size mm	Outside mm	OPTIONAL internal trimming ring	OPTIONAL flyscreen	OPTIONAL Spare kit, external handle	Overhang mm
19.720.01	248x248	275x275	343x343	-	-	19.715.02	24
19.720.02	315x445	340x470	410x540	19.720.08	-	19.715.02	24
19.720.03	395x395	420x420	491x491	19.720.09	19.720.17	19.715.02	24
19.720.04	445x445	470x470	540x540	19.720.10	-	19.715.02	24
19.720.05	490x490	515x515	584x584	19.720.11	19.720.19	19.715.02	24
19.720.06	610x610	640x640	708x708	-	-	19.715.02	24

BOMAR Contour low profile round hatch

CE

Made of **white epoxy-coated aluminium** and fitted with hinged opening and very sturdy acrylic lens. CE approved.

Code	Opening mm	Cut size mm	Outside mm	OPTIONAL internal trimming ring	OPTIONAL Flyscreen	OPTIONAL Spare kit, external handle	Overhang mm
19.724.01	395	420	492	19.724.12	19.724.17	19.715.02	24
19.724.02	493	518	588	19.724.13	19.724.18	19.715.02	24

External handle kit for BOMAR Contour hatches

Please, order 1 kit for each handle of the hatch.

Code	For hatches
19.715.02	19.720.01; 19.720.02; 19.720.03; 19.720.04; 19.720.05; 19.720.06; 19.724.01; 19.724.02

BOMAR Flush hatches

CE

100% **polycarbonate.** Snap safety handles, locking from the inside, smoked polycarbonate lens. Fitted with internal finish counterflange.

Code	Overhang mm	Colour	Outside mm	Cut size mm	Net light mm
19.910.10BI	25	White	304x302	262x262	230x230
19.910.10NE	25	Black	304x302	262x262	230x230
19.927.10BI	25	White	394x521	330x454	318x445
19.927.10NE	25	Black	394x521	330x454	318x445
19.966.10BI	25	White	480x480	428x428	414x414
19.966.10NE	25	Black	480x480	428x428	414x414
19.995.10BI	25	White	570x570	501x501	489x489
19.995.10NE	25	Black	570x570	501x501	489x489

BOMAR Flagship portlight

Made of mirror-polished AISI316 stainless steel.
Features: hidden external screws; water drain deep angle; fitted with trimming ring and flyscreen; adjustable wing nut locking (no overhanging parts); smoked acrylic lens; CE approved for area 1 category 1; special mounting system: a single and fast move is enough to fit the portlight into the trimming ring, which means labour cost saving for the shipyard.

Code	Outside mm	Cut size mm	Net light mm	Hull thickness mm
19.229.00	460x200	415x155	375x115	6/10
19.228.96	457x197	432x171	352x92	6/22
19.228.99	495x219	470x194	391x114	6/22

▲ 19.229.00

◄ 19.228.96

◄ 19.228.99

BOMAR Flagship oval portlight

Made of mirror-polished AISI316 stainless steel.
Features: hidden external screws; deep water drain angle; fitted with trimming ring and flyscreen; adjustable wing nut locking (no overhanging parts); smoked acrylic lens; CE-approved for area 1 category 1; special mounting system: a single and fast move is enough to fit the portlight into the trimming ring, which means labour cost saving for the shipyard.

Code	Outside mm	Cut mm	Net light mm	Bulwark thickness mm
19.224.01	400x200	375x175	295x95	10/22
19.224.03	438x210	412x184	333x105	10/22

◄ 19.224.01

▲ 19.224.03

SCM elliptical portlight

AISI 316

Made of **mirror-polished AISI316 stainless steel**, trimming ring with hidden screws. 10-mm plexiglas flyscreen. Smoked acrylic lens.

Code	Outside mm	Cut size mm	Net light mm	Hall thickness mm	CE approval	
					area	category
19.229.01	510x250	460x200	420x160	20/25	(2)	1

SCM oval portlight

AISI 316

Made of **mirror-polished AISI316 stainless steel**.
Fitted with Perspex trimming ring.

Code	Outside mm	Cut size mm	Net light mm	Hull thickness mm	CE approval		Colour	Thickness mm
					area	category		
19.230.00	410x210	360x160	320x120	20/25	2	1	Bronzed	10
19.230.01	460x260	410x210	370x170	20/25	2	1	Bronzed	10

BOMAR elliptical nylon portlight

Fitted with flyscreen, high-resistant polycarbonate lens and **stainless steel** bolts and screws.

Code	Net light mm	Outside mm	Cut mm	Colour	Hull thickness mm
19.515.00BI	84x352	146x415	90x359	White	28
19.515.00NE	84x352	146x415	90x359	Black	28
19.616.00BI	150x406	203x470	165x419	White	38
19.616.00NE	150x406	203x470	165x419	Black	38

BOMAR Flagship opening portlight

CE

Nylon body, external finishing ring and flyscreen. Adjustable stops.
Smoked acrylic lens. Mounting with **hidden** screws.
6- to 35-mm hull thickness. CE-approved.

Code	Shape	Outside mm	Cut mm	Colour	BOMAR code
19.510.21	oval	141x357	116x332	White	614
19.510.22	oval	216x444	191x419	White	620
19.511.21	elliptical	160x425	135x400	White	615
19.511.22	elliptical	209x468	184x443	White	618
19.511.24	elliptical	418x200	395x174	White	619

BOMAR

▲ 19.510.21

▲ 19.510.22

▲ 19.510.22

▲ 19.510.21

▲ 19.511.24

▲ 19.511.24

▲ 19.511.21

▲ 19.511.22

▲ 19.511.22

▲ 19.511.21

Plastic portlights

Circolare opening portlight

Made of nylon, elegant and functional shape, fitted with plexiglas lens.

Code	Colour	Locking	Net light Ø mm	External size mm	Cut size mm	Hull thickness mm
19.750.01BI	White	Wing nut	135	220	165	6/35
19.750.01NE	Black	Wing nut	135	220	165	6/35
19.750.02BI	White	Wing nut	185	270	215	6/35
19.750.02NE	Black	Wing nut	185	270	215	6/35
19.750.03BI	White	Wing nut	235	320	265	6/35
19.750.03NE	Black	Wing nut	235	320	265	6/35
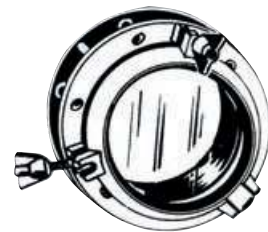
Nylon rectangular portlight

100% stainless, fitted with **nylon trimming ring**.
Built-in water drainer.

Code	Colour	Lens	Version	Net light mm	External size mm	Cut size mm	Hull thickness mm
19.696.00BI	White	Plexiglass	Opening	320x120	400x200	345x155	6/35

LEWMAR hatches and portlights

Made of anodized aluminium and fitted with smoked glass lenses, 180° opening, self-locking in any position with their built-in friction lever.
Features: - Internal and external opening handles already installed (where fitted). Lock vent position. Anti-intrusion safety lock.
Lenses, seals, handles and friction levers can be replaced.

Custom hatches made upon request, quantity TBA

LEWMAR Low Profile hatch

L E W M A R®

CE The profile sticks out as little as 25 mm from the deck. CE-approved for AREA 2.
External handles allow the hatch to be opened from on the deck, friction levers to hold the lid open in any position up to 95°.
Anodized aluminium frame for corrosion resistance and curved upper frame profile for strength.
Large quantities available in white or mirror-polished aluminium finish.

Version with		Size	Recess-fit flange overhang mm	outside mm				cut-out dimensions (depending on trimming ring) mm			kg	Acrylic thickness mm	Trimming ring + flyscreen
self-supporting lid	stay			X	Y	Z	R	X1	Y1	R1			
19.410.03	-	03	15	246	301	25	72.5	176	231	42.5	1.6	8	-
19.410.10	-	10	15	330	330	25	72.5	260	260	42.5	2.2	8	-
19.410.20	-	20	15	272	417	25	72.5	202	347	42.5	2.3	8	19.413.20
19.410.30	19.411.30	30	15	397	527	25	72.5	327	457	42.5	3.9	8	19.413.30
19.410.40	-	40	15	491	491	25	72.5	421	421	42.5	4.6	8	19.413.40
19.410.41	-	41	15	246	491	25	72.5	176	421	42.5	2.5	8	-
19.410.44	19.411.44	44	15	512	512	25	72.5	442	442	42.5	4.8	8	19.413.44
19.410.54	-	54	15	462	577	25	72.5	392	507	42.5	4.9	8	19.413.54
19.410.60	19.411.60	60	15	577	577	25	72.5	507	507	42.5	6.4	10	19.413.60

19.903.08 *Hatch stay arm and supports*

Maniglie esterne / External handles
Frizione di tenuta / Clutch of seal
ACRYLIC replacement
Profilo ricurvo / Curved profile

Speciale sistema di sigillatura
La guarnizione e l'acrilico sono montati all'interno del profilo sono facilmente sostituibili ed hanno una giunzione più forte e stagna

Special sealing system
The seal and the acrylic are mounted inside the profile, they are easily replaceable and have a stronger and watertight joint.

CE approved
Compiles with the relevant parts of International Standars ISO/DIS 12216:2002.This standard covers the applicable essential safety requirements on the Recreational Craft Directive 95/25/EC

◢ Size 03   ◢ Size 10   ◢ Size 20   ◢ Size 30   ◢ Size 40   ◢ Size 41
◢ Size 44   ◢ Size 54   ◢ Size 60

L E W M A R®

LEWMAR Low Profile round hatch series

CE The profile sticks out as little as 25 mm from the deck. CE-approved for AREA 2.

Code	Model	Lower frame mm	external dimensions mm		cut-out dimensions (depending on trimming rings) mm			kg	Acrilic thickness mm	Trimming ring + flyscreen moscquito
			Ø	Z	HX	HY	Q1			
19.410.18	18	15	490	25	493	141	420	3.8	8	19.413.18
19.410.22	22	15	588	25	591	173	518	5.8	10	19.413.22

size 18   size 22

LEWMAR Ocean hatch

Classic style, rugged construction.
For many years now it has been fitted to thousands of boats all around the world.
CE-approved for AREA 2.
Model with flat base.
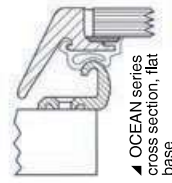
◄ OCEAN series cross section, flat base

Code	Model	external dimensions mm						cut-out dimensions (depending on trimming rings) mm			kg	Acrilic thickness mm	Trimming ring moscquito
		X	Y	Z	R	HY	HX	X1	Y1	R1			
19.420.10	10	324	324	39.5	75	138	5	255	255	40	2.26	10	-
19.420.20	20	266	411	39.5	69	225	5	197	342	34	2.74	10	19.413.21
19.420.30	30	391	521	39.5	75	335	5	322	452	40	4.5	10	19.413.30
19.420.40	40	485	485	39.5	75	299	5	416	416	40	4.76	10	19.413.40
19.420.60	60	574	574	43	76	367	4	502	502	40	10.8	12	19.413.60
19.420.70	70	694	694	43	76	487	4	622	622	40	13.2	12	19.413.70

19.903.08 *Hatch stay with supportsSeal bracket for hatch door equipped with supports*

Cut-Out

size 10   size 20   sise 30   sise 40   sise 60   sise 70
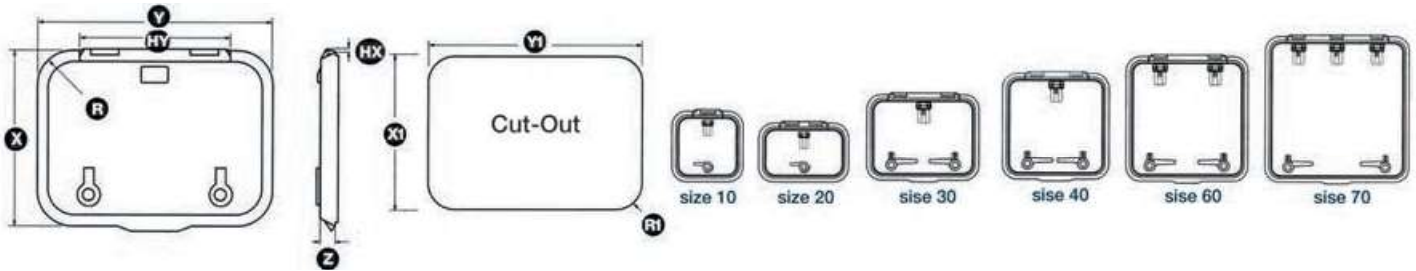
LEWMAR Flush Hatch

It requires a special recess to be installed into the deck to receive the hatch. Clean and simple look, no protruding parts, space-wise use of deck surface.
Main features:
- **No visible frame**: the black acrylic panel is all that can be seen on deck.
- **Very thick self-supporting plexiglass lid.**
- 90° opening **stay**, self-locking in any position.
- Smoked lens available upon request.
- Exterior handle for use as **escape hatch**.
- CE-approved for 2A area.

Compatible with LEWMAR flyscreens, trimming rings and frames.

Example drainage chain
Esempio di scarico acqua
12,0 MINIMUN
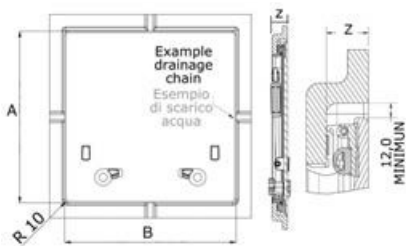
| Code	Model	Thickness for recess fit Z mm	external AxB mm	cut size mm	kg	Acrylic thickness mm	Finishing counteflange + mosquito net
19.440.10	10	31	330x330	260x260	2.6	12	-
19.440.20	20	31	272x417	202x347	3.1	12	19.413.20
19.440.44	44	31	512x512	442x442	5.8	12	19.413.44
19.440.60	60	31	577x577	507x507	6.7	15	19.413.60
19.440.70	70	32-34	697x697	627x627	10.2	15	19.413.70

19.903.08 *Seal bracket for hatch door equipped with supports*

LEWMAR Pilot Hatch

Sliding hatch designed for use on the wheelhouse and ensuring ventilation and radiation.
For flat mounting. The styling complements the Low Profile and Medium Profile Hatch Ranges.

Code	Model	External dimension X<->Y mm	Cut-off dimension x1 <->y1 mm	Track length T mm	Lower frame flange mm
19.450.60	60	581-577	507-507	373	15
19.450.78	78	844-790	770-720	638	15
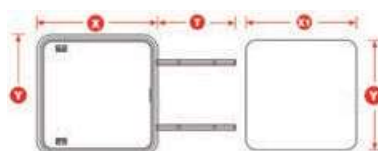
LEWMAR trimming ring and flyscreen

White colour (ivory color available on request).

Code	For hatch model	Max hull thickness with series mm		Min hull thickness with series mm		Hutch models
		Low profile	Ocean	Low profile	Ocean	
19.413.18	18	62	-	15	-	19.410.18
19.413.20	20 Low profile	62	-	15	-	19.410.20
19.413.21	20 Ocean	-	72	-	25	19.420.20
19.413.22	22	62	-	15	-	19.410.22
19.413.30	30	62	72	15	25	19.410.30; 19.411.30; 19.420.30
19.413.40	40	62	72	15	25	19.410.40; 19.420.40
19.413.44	44	62	-	15	-	19.410.44; 19.411.44; 19.440.44
19.413.54	54	62	-	15	-	19.410.54
19.413.60	60	62	72	15	25	19.410.60; 19.411.60; 19.420.60; 19.440.60
19.413.70	70	-	72	-	25	19.420.70

## LEWMAR Standard portlight

EASY TO INSTALL

CE

Portlight range with high quality finish and materials.
Fitted with built-in friction levers to leave the portlight open in any position, quick and safe locking.
Supplied with **white ABS trimming ring** (ivory colour available upon request), it includes **mounting screws and flyscreen**, smoked glass.
Easy to install by a single person by fastening the trimming ring into the threaded bores. **CE-approved for AREA 2.**

Code	Model	external mm				cut size mm			kg	Acrilyc thickness mm
		X	Y	Z	R	X1	Y1	R1		
19.430.00	0	176	323	4	62	156	303	52	1.1	8
19.430.10	1	191	367	4	62	171	347	52	1.3	8
19.430.18	1RE	191	367	4	95	171	347	85.5	1.3	8
19.430.20	2	176	425	4	62	156	405	52	1.4	8
19.430.30	3	191	449	4	62	171	429	52	1.7	10
19.430.40	4	191	646	4	62	171	637	52	2.4	8

Cerniere frizionate non soggette a corrosione
Friction hinges not subject to corrosion

Flange interna/esterna in alluminio resistenti alla corrosione
Internal/external flanges corrosion-resistant aluminum
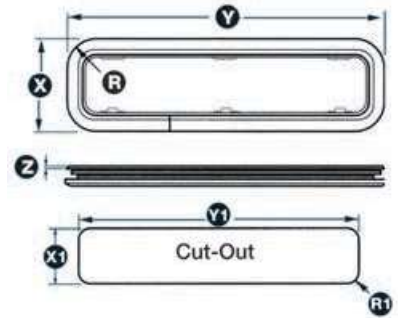
Maniglie rapide non risentono delle vibrazioni
Rapid handles are not affected by vibrations

Il design del profilo previene l'entrata dell'acqua anche su superfici inclinate
The profile design prevents water from entering even on sloping surfaces

CE approved

Cut-Out

LEWMAR Flush portlights

EASY TO INSTALL

CE

A series of porthlights meeting the needs for design and modern look.
Built-in friction hinges and snap levers for quick and safe locking.
Matt black powder-coated anodized aluminium frame for mounting on fiberglass and plexiglass. Fast and simple installation to be made by a single operator.
The external threaded frame matches the internal trimming ring by means of thru screws.

| Code	Model	external dimension mm				cut-out dimension mm			kg	Acrylic thickness mm	Approval
		X	Y	Z	R	X1	Y1	R1			
19.430.04	0	175	322	4	5	156	303	5	1.3	12	CE Area 2
19.430.14	1	190	366	4	5	171	347	5	1.6	12	CE Area 2
19.430.34	3	190	448	4	5	171	429	5	2	12	CE Area 2
19.430.44	4	190	645	4	5	171	626	5	2.8	12	CE Area 2
19.430.64	6	200	490	4	5	181	471	5	2.2	-	CE Area 2
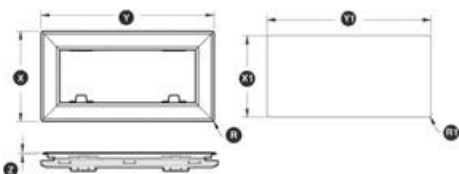
LEWMAR AISI316 stainless steel portlight

AISI 316

$C \epsilon$

Fitted with friction hinges and quick-locking handles.
The handles and hinges leave the lens clear of obstructions, giving it an uncluttered view and clean modern look. CE-approved for areas 1B and 2A.
To be installed on 9-mm to 30-mm thick surfaces.
Supplied with 20 x M5 studs for 17/2-mm thick surfaces.
ABS internal trimming ring (chromed for size 8) and removable flyscreen.

Code	Model	External dimension mm			Cut-out dimension mm		kg	Acrylic glass thickness mm
		X	Y	Thickness	X1	Y1		
19.430.80	8	196	452	4	176	432	1.9	10
19.430.82	1 RE	191	367	4	171	347	1.7	10
19.430.84	7 RE	191	425	4	171	405	1.9	10

size 8 Elliptical ◄ 19.430.80

size 7 Round End ◄ 19.430.84

size 1 Round End ◄ 19.430.82
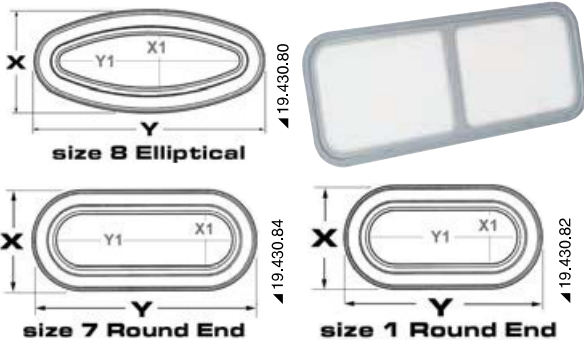
LEWMAR AISI316 stainless steel round portlight

AISI 316

$C \epsilon$

Supplied with **trimming ring made of chromed ABS, mounting screws** and smoked lens. Fast and simple installation by means of a ring nut with threaded bores, to be made by a single operator. 180° opening.
CE-approved for category B Area 1.

Code	Outside mm	Cut size mm	Light mm	For hull thickness
19.431.25	250	230	160	8 to 24 mm
19.431.30	300	250	200	8 to 24 mm
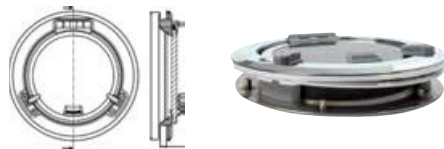
Max New Light anti-scratch restorer for polycarbonate surfaces

Specific product to restore worn-out, scratched, opacified and yellowed portlights, hatches, Plexiglas or polycarbonate windscreens to their original look.
Sprayed on the worn-out surface, it creates a ultra-resistant, ultra-adhering and UV-resistant film that restores the original polish. It doesn't alter the chemical structure or mechanical properties of the substrate. Three-component product to be sprayed (spray nozzle included).

Code	Description	Surface to be treated
19.117.01	Plexiglass/polycarbonate restorer	5/6 m^2

LEWMAR vent

Made of reinforced plastic, it ensures air circulation and prevents water seepage.
It can be fitted to the acrylic lens of hatches or to the deck.
Universal model complying with the CE ISO 12216:2003 standards.

Code	Outer Ø mm	Recess bore mm
19.041.01	170	76

LEWMAR Low Profile hatch spare parts

LEWMAR®

For hatches manufactured from 1998 on (see code A399XX03, 359XX503, etc. on plexiglass lens).

Hatch model	Friction lever	Seal	Hinge kit	Hinge cover (10pcs)	RIGHT+LEFT locking lever kit	Plexiglass*	Frame coupling rod	Hatch stay
00	-	19.901.00	19.903.05	19.903.06	19.910.02**	-	19.903.07	-
03	-	19.901.03	19.903.05	19.903.06	19.910.02**	-	19.903.07	-
10	-	19.901.10	19.903.05	19.903.06	19.910.02**	19.902.10	19.903.07	-
18	-	19.901.18	19.903.05	19.903.06	19.910.11	-	-	-
20	-	19.901.20	19.903.05	19.903.06	19.910.02**	19.902.20	19.903.07	-
22	19.903.01	19.901.22	19.903.05	19.903.06	19.910.11	-	-	-
30	19.903.01	19.901.30	19.903.05	19.903.06	19.910.11	19.902.30	19.903.07	19.903.08
40	19.903.01	19.901.40	19.903.05	19.903.06	19.910.11	19.902.40	19.903.07	19.903.08
44	19.903.01	19.901.44	19.903.05	19.903.06	19.910.11	19.902.44	19.903.07	19.903.08
50	19.903.01	19.901.50	19.903.05	19.903.06	19.910.11	-	19.903.07	19.903.08
54	19.903.01	19.901.54	19.903.05	19.903.06	19.910.11	-	19.903.07	19.903.08
60	19.903.01	19.901.60	19.903.05	19.903.06	19.910.11	19.902.60	19.903.07	19.903.08
65	19.903.01	19.901.65	19.903.05	19.903.06	19.910.11	-	19.903.07	19.903.08

* *Plexiglas with seal and handle for hatches with friction lever. Models without item codes aare vailable upon request.*

** **19.910.02** *It only contains the left lever*

LEWMAR Medium Profile hatch spare parts

LEWMAR®

For hatches manufactured from 1998 on (see code A399XX02, 359XX503, etc. on plexiglass lens).

Hatch model	Friction lever	Seal*	Hinge kit	Hinge cover (10pcs)	RIGHT+LEFT closing lever kit	Frame connecting rod	Hatch stay
30	19.903.01	19.911.30	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
40	19.903.01	19.911.40	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
44	19.903.01	19.911.44	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
50	19.903.01	-	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
54	19.903.01	19.911.54	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
60	19.903.01	19.911.60	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
65	19.903.01	-	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
70	19.903.01	-	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08
77	19.903.01	-	19.903.05	19.903.06	19.910.11	19.903.07	19.903.08

* **Seals** *for models without item code are available upon request*

Plexiglass *upon request*

LEWMAR Ocean hatch spare parts

Ocean hatch spare parts. Since 1991.

Hatch model	Friction lever	Seal*	RIGHT+LEFT closing lever kit	Hatch stay
10	19.903.02	-	19.910.02**	-
20	19.903.02	19.921.20	19.910.02**	-
30	19.903.03	19.921.30	19.910.11	19.903.08
40	19.903.03	-	19.910.11	19.903.08
44	19.903.04	-	19.910.11	19.903.08
50	19.903.04	19.921.50	19.910.11	19.903.08
54	19.903.04	-	19.910.11	19.903.08
60	19.903.04	19.921.60	19.910.11	19.903.08
70	19.903.04	19.921.70	19.910.11	19.903.08
77	19.903.04	-	19.910.11	19.903.08

*   **Seals** for models without item code are available upon request;
     Hinge kit available upon request;
     Spare plexiglas panel no longer manufactured

**   **19.910.02** It only contains the left lever

▲ 19.903.02/03/04   ▲ 19.910.02   ▲ 19.903.08   ▲ 19.910.11

LEWMAR Standard portlight spare parts

For standard portlights:
- **New series**: manufactured from 1997 on (recognizable by the snap locking lever).
- **Old series**: manufactured from 1982 up to 1998 (recognizable by the L-shaped locking lever)

Portlight model	For standard portlight NEW SERIES*					For standard portlight OLD SERIES**	
	Inner plastic frame	Seal	Right+left locking lever	Plexiglass lens	Flyscreen	Right locking lever	Left locking lever
0	19.933.00	19.931.00	19.910.00	19.932.00	19.433.01	19.910.08	19.910.09
1	19.933.10	19.931.10	19.910.00	19.932.10	19.433.11	19.910.08	19.910.09
1 RE	-	-	19.910.00	-	19.433.12	-	-
2	19.933.20	19.931.20	19.910.00	19.932.20	19.433.21	19.910.08	19.910.09
3	-	19.931.30	19.910.00	19.932.30	19.433.31	19.910.08	19.910.09
4	19.933.40	19.931.40	19.910.00	19.932.40	19.433.41	19.910.08	19.910.09
4 RIGHT	-	19.931.45	19.910.00	-	-	19.910.08	19.910.09
4 LEFT	-	19.931.45	19.910.00	-	-	19.910.08	19.910.09

*   NEW SERIES: **Seals, frames, flyscreens and plexiglas lens** portlights without item codes are available upon request

**   OLD SERIES: **Seals** for portlights without item codes are available upon request; **Plexiglass lens** available upon request; **Frames and flyscreens** no longer manufactured.

▲ 19.433.xx   19.910.08   ▲ 19.910.00   19.910.09   19.932.xx   ▲ 19.931.xx

Spare parts for LEWMAR Flush Hatch 2G portholes

Standard size spare parts for Lewmar Flush 2G, manufacture from 2006 up to now.

Hatch model	Plexiglas	Seal	Locking levers	Hinge	Frame coupling	Hatch stay
10	19.914.10	19.916.10	19.910.07	19.915.03	19.915.04	-
20	19.914.20	19.916.20	19.910.07	19.915.03	19.915.04	-
44	19.914.44	19.916.44	19.910.11	19.915.03	19.915.04	19.915.05
60	19.914.60	19.916.60	19.910.11	19.915.03	19.915.04	19.915.05
70	19.914.70	19.916.70	19.910.11	19.915.03	19.915.04	19.915.05

▲ Product reference

Spare parts for LEWMAR Flush Hatch 3G portholes

Standard size spare parts for Lewmar Flush 3G, manufacture from 2010 up to now.

Hatch model	Plexiglas	Seal	Locking levers	Hinge	Frame coupling	Hatch stay
10	19.913.10	19.915.10	19.915.01	19.915.03	19.915.04	-
20	19.913.20	19.915.20	19.915.01	19.915.03	19.915.04	-
44	19.913.44	19.915.44	19.915.02	19.915.03	19.915.04	19.915.05
60	19.913.60	19.915.60	19.915.02	19.915.03	19.915.04	19.915.05
70	19.913.70	19.915.00	19.915.02	19.915.03	19.915.04	19.915.05

▲ Product reference

Brass and stainless steel portlights and hatches

Vemefa portlight

Made of mirror-polished **stainless steel**, fitted with trimming ring. Watertight snap locking.

Code	Telescopic thickness mm	Net light mm	All-out Ø mm
19.070.01	5/17	100	165
19.070.02	5/17	125	190
19.070.03	5/17	150	215

Tondo thin edge portlight

Made of **chromed brass**, fitted with rear **watertight** ring, wing nut locking.

Code	Net light mm	Cut size Ø mm	All-out Ø mm	Thickness mm
19.697.03	100	125	150	12
19.697.04	125	152	180	12
19.697.05	150	177	200	12

Ovale large portlight

Made of **chromed brass**, fitted with rear **watertight** ring, wing nut locking.

Code	Net light mm	Cut size Ø mm	All-out Ø mm	Thickness mm
19.698.05	170x340	195x365	265x435	20/70

DOMETIC blinds for portlights and hatches

Simple and stylish shading solutions for portlights and hatches.

DOMETIC SkySol PleatedShade for portlights and small windows

A stylish, cost-effective pleated blind for portlights and small windows for a simple and quick installation. Harmony pleated fabric in cream colour. Bulkhead mounting top stack and hold down with popper. SkySol PleatedShade is available in standard and custom sizes on demand.
Further colors available on demand: navy (blue) and ivory.

Code	fabric mm		Fabric colour
	X	Y	
19.860.02	381	305	Cream
19.860.03	508	305	Cream
19.859.02	381	305	White
19.859.03	508	305	White

DOMETIC Skysol Motion pleated blind for hatches and portlights
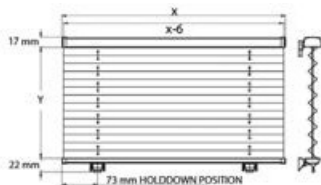
DAME AWARD 2013

Self-retractable system for immediate installation: the elegant pleated fabric is easily applicable to several indoor environments.
Ideal for hatches and portlights, this DAME Award winning product offers the practicality and convenience of the traditional rolling blinds combined with the elegant look and feel of pleated solutions.
This UV-resistant, fully marinised rolling blind is a cost-engineered quality product for competitive pricing.
Choice of fabrics in white and cream colour for custom-made blinding and insulating effects upon request.

Code	fabric mm		Fabric colour
	X	Y	
19.890.01	350	400	White
19.890.02	450	520	White
19.890.03	550	640	White
19.890.04	680	750	White

DOMETIC Skyshade Portshade 320 roller blind for portlights and small windows

Ultra-slim cassette roller blind, suitable for even the smallest of portlights.
It can be used for vertical or horizontal surfaces, with the added benefit of also being well suited for curved surfaces. 100% blackout fabric, simple installation.

Available upon request in a wide range of standard and custom sizes. Cassette colour: white (RAL9016). Beige (RAL9001) available on request.

Code	fabric mm		Cassette colour
	X	Y	
19.850.02	340	280	white
19.850.03	380	280	white
19.850.04	460	320	white
19.850.05	660	320	white
19.850.06	720	320	white

DOMETIC Skyshade Cabinshade roller blind for hatches and portlights

It is a cassette roller blind housed in a simple, functional extrusion for hatches or portlights.
It can be used for vertical or horizontal surfaces, with the added benefit of also being well suited for slightly curved surfaces. 100% blackout white fabric. Simple installation.

**Cabinhade is available in standard and custom sizes on demand.
Cassette colour: white; beige or anodized silver available on demand.**

Code	fabric mm		Cassette colour
	X	Y	
19.880.01	360	440	white
19.880.02	470	510	white
19.880.03	550	600	white

DOMETIC Skyshade Hatchshade 750 roller blind for hatches and windows

It is a cassette roller blind housed in an elegant profiled design.
Suitable for vertical or horizontal surfaces and easy to fit. 100% blackout fabric. Hold down with toggle.

**HatchShade 750 is available in standard and custom sizes on demand.
Cassette colour: white (RAL9016). On demand available in beige, too (RAL9001).**

Code	fabric mm		Cassette colour
	X	mmY	
19.870.60	556	600	White
19.870.70	679	700	White

DOMETIC SkyScreen blinds and flyscreens

Idrorepellente 80 % di riflessione del calore 100 % di oscuramento

Strato esterno idrorepellente e di riflessione del calore

Strato oscurante

Strato interno di facile pulizia

SKYSCREEN provides a unique solution to shading boat hatches by combining a 100% blackout blind and a separate flyscreen within one unit. A 3-layer blind fabric combines 100% blackout and 80% heat reflection in a waterproof, UV-resistant, low maintenance, blind fabric.

SkyScreens available in standard and custom sizes on demand, tailored to fit any hatch.
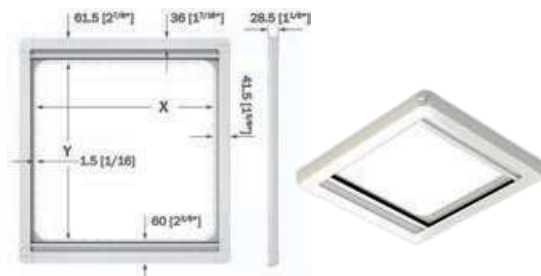
DOMETIC

DOMETIC SkyScreen Roller Surface 2 roller blind and flyscreen - surface mounted

Entry-level system for hatches to be installed on the surface of the cabin internal coating:
- 100% blackout blind and flyscreen (both white) combined in one low profile and modern design PVC unit.
- User-friendly magnetic locking between blind and flyscreen.
- Optional to be ordered separately: flexible liner 19.809.05/20.
Standard or custom sizes available on demand and tailored to fit any hatch. Frame colour: white (RAL9016), beige (RAL9001) available on demand.

Code	For hatch model	Inner cut-out dimensions mm		Colour of frame, fabric and flyscreen
		X	Y	
19.802.10	Lewmar 10	260	260	White
19.802.20	Lewmar 20	347	202	White
19.802.40	Lewmar 40	421	421	White
19.802.44	Lewmar 44	442	442	White
19.802.60	Lewmar 60	507	507	White
19.802.70	Lewmar 70	627	627	White
19.802.02	Bomar 1029	470	340	White
19.802.05	Bomar 1039	514	514	White
19.802.04	Bomar 1080	470	470	White

19.899.01 *Pair of Surface Skyscreen and Recessed Skyscreen spare handles.*
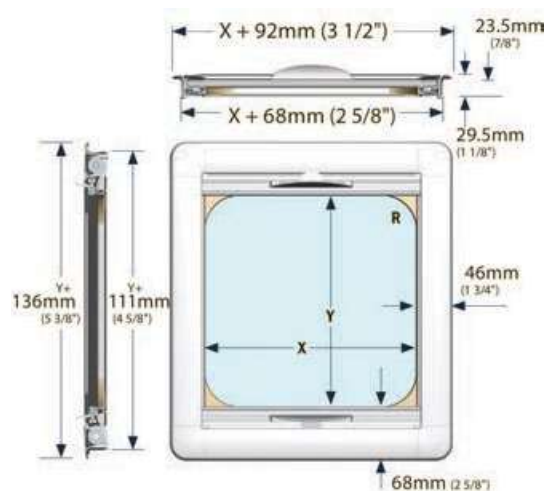
DOMETIC

DOMETIC SkyScreen Recessed roller blind and flyscreen – installation flush with yacht's headlining

Entry-level system for rectangular and round hatches for recess and flush mounting with the cabin headlining. 100% blackout blind and flyscreen combined in a pre-treated polyester coated aluminium unit.
- Optional to be ordered separately: flexible liner 19.809.05/20.
Standard or custom sizes available on demand and tailored to fit any hatch.
Frame colour: white (RAL9016), beige (RAL9001) available on demand.

Code	For hatch model	Also for hatch model	Internal cut-out dimensions mm		Frame colour
			X	Y	
19.805.10	Lewmar 10 (19.410.10; 19.420.10; 19.440.10)	Bomar 910 (19.910.10)	260	260	white
19.805.20	Lewmar 20 (19.410.20; 19.420.20)	-	347	203	white
19.805.40	Lewmar 40 (19.410.40; 19.420.40; 19.440.40)	-	421	421	white
19.805.44	Lewmar 44 (19.410.44; 19.420.44; 19.440.44)	-	442	442	white
19.805.60	Lewmar 60 (19.410.60; 19.420.60; 19.440.60)	Bomar 1039 (19.720.05)	507	507	white
19.805.02*	Bomar N1139 (19.724.02)	Gebo and Trend round	590 (round - Ø 518)	590 (round - Ø 518)	white

* Fitted with round moulded ABS finishing (518-mm Ø), white RAL 9016 colour

**19.899.01** *Pair of Surface Skyscreen and Recessed Skyscreen spare handles.*

◄ ABS round finishing 19.805.02

DOMETIC SkyScreen Pleated blind and flyscreen – surface mounted

This stylish and easy-to-fit solution for rectangular and round hatches is designed to be surface mounted or concealed in the cabin internal coating.
100% blackout blind and flyscreen in pleated fabric combined in one ultra-slim alloy cassette.
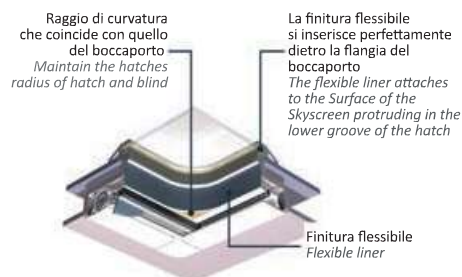- Optional to be ordered separately: liner made of four separate moulded pieces.

Standard or custom sizes available on demand and tailored to fit any hatch.
Frame colour: white (RAL9016), beige (RAL9001) available on demand.

Code	For hatch model	Also for hatch model	Internal cut-out dimensions mm		Frame colour
			X	**Y**	
19.803.10	Lewmar 10 (19.410.10 - 19.420.10)	-	260	260	white
19.803.44	Lewmar 44 (19.410.44; 19.420.44; 19.440.44)	-	442	442	white
19.803.60	Lewmar 60 (19.410.60; 19.420.60; 19.440.60)	-	507	507	white
19.803.02	Bomar 1029 (19.720.02)	Lewmar 30 (19.410.30; 19.420.30)	470	340	white
19.803.05	Bomar 1039 (19.720.05)	-	514	514	white
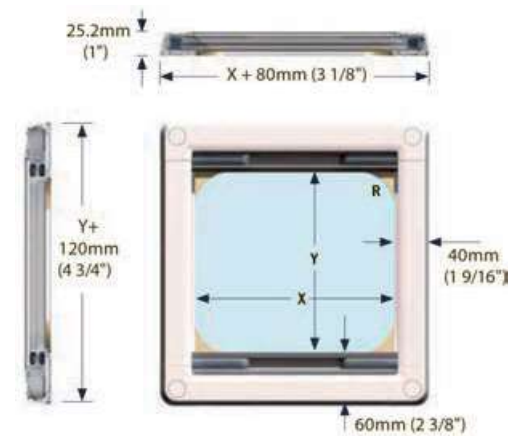
DOMETIC Flexible PVC Liner for SkyScreen Surface and SkyScreen Recessed models

The liner for the SkyScreen series consists of a single extruded liner made of extruded UV-resistant and durable material. Liner max height: 45 mm, 100 mm also available on demand.
The liner can be cut down to fit any hatch tunnel. Colour: white (RAL9016).

Code	Liner roll length m	No of joint strips	Liner height mm	Colour
19.809.20	20	12	52	white
19.809.05	2.5	1	52	white

Raggio di curvatura
che coincide con quello
del boccaporto
*Maintain the hatches
radius of hatch and blind*

La finitura flessibile
si inserisce perfettamente
dietro la flangia del
boccaporto
*The flexible liner attaches
to the Surface of the
Skyscreen protruding in the
lower groove of the hatch*

Finitura flessibile
Flexible liner

Portlight blinds and accessories

OCEANSOUTH
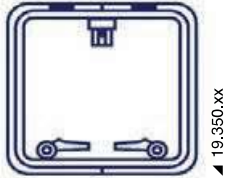
Hatch cover

Made of CYCLONE UV-resistant fabric. Transpirable, it reduces condensate.
Wind-proof fastening system.

Code	Exterieur length mm	Exterieur depth mm	Ø mm	Hatch shape	Colour
19.350.02	330	330	-	Square	Blue
19.350.03	450	450	-	Square	Blue
19.350.04	500	500	-	Square	Blue
19.350.05	580	580	-	Square	Blue
19.350.06	700	700	-	Square	Blue
19.350.07	770	770	-	Square	Blue
19.351.01	400	260	-	Rectangular	Blue
19.351.02	520	400	-	Rectangular	Blue
19.351.03	580	460	-	Rectangular	Blue
19.352.02	-	-	500	Circular	Blue
19.352.03	-	-	600	Circular	Blue
19.353.02	600	620	-	Trapezoidal	Blue

◄ 19.350.xx
◄ 19.351.xx
◄ 19.352.xx
◄ 19.353.02

Climavision Mare blackout blind

Fitted with **epoxy-coated aluminium** frame and **stainless steel** springs.
Polyester blackout fabric with **silver metallized** external side to ensure complete blackout at night and sun light reflection during the day. For mounting under hatches or in front of portlights in a matter of seconds. No modification required.

Code	A mm	B mm	For hatches or portlights max. net light mm	Colour
19.359.01	360	400	330x330	White
19.359.02	450	500	410x410	White
19.359.03	500	600	460x500	White
19.359.04	550	650	510x550	White
19.359.05	680	780	620x680	White
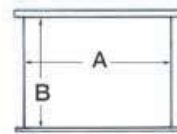
Blinds + flyscreens

A single with a dual function: blind and flyscreen that lets air in. Fast mounting with suction pads.

Code	Description	⟷ external mm	For hatches max mm (cut-out size)	For portlights max mm
19.356.01	single	350x350	300x300	-
19.356.02	single	600x600	520x520	-
19.356.03	single	800x800	720x720	-
19.356.05	2-pcs kit	230x490 (single) - 230x700 (double)	-	180x430 (single) - 180x650 (double)

◄ 19.356.01/02/03
◄ 19.356.05 (double)

3 layers
100% Blackout
100% Blackout
Mosquito net

WATERLINE DESIGN

OPEN   CLOSED

Inside 300x300 mm — 350 mm — 350 mm — 13.356.01
max 520 mm — 600 mm — 600 mm — 19.356.02
max 720 mm — 800 mm — 800 mm — 19.356.03
Inside max 180x430 mm — 230 mm — 490 mm — 19.356.05 (single)
Double montage inside max 180x650 mm — 230 mm — 700 mm — 19.356.05 (double)
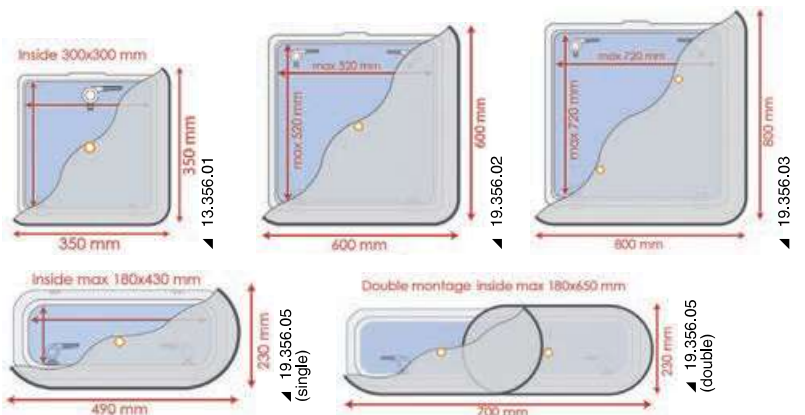
Flyscreen for hatches and portlights

Made of black polyester. They can be installed in a matter of seconds by means of suction cups or magnets. They come in a storage pocket.

Code	|←→| outside mm	For hatches max mm	For portlights max mm	Installation
19.366.00	350x350	300x300	-	suction cup/magnet
19.366.01	600x600	520x520	-	suction cup/magnet
19.366.02	800x800	720x720	-	suction cup/magnet
19.366.14	490x230	-	430x180	suction cup/magnet
19.366.15	700x300	-	650x200	suction cup/magnet

▲ 19.366.00/01/02   ▲ 19.366.14/15
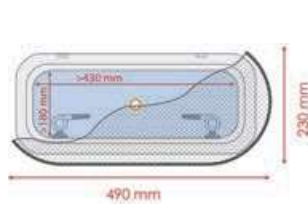
▲ 19.366.14
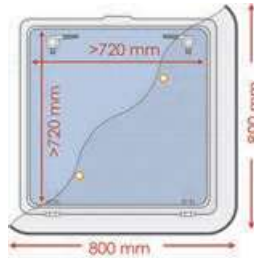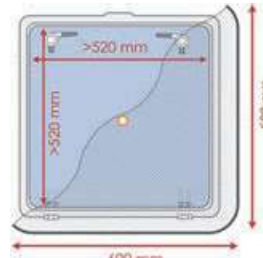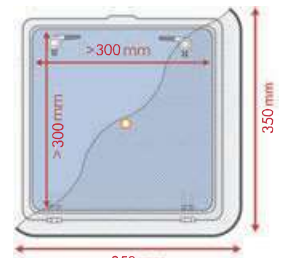
▲ 19.366.02   ▲ 19.366.01   ▲ 19.366.00
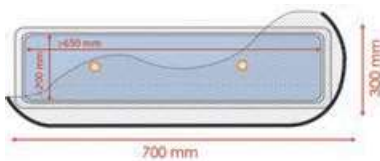
▲ 19.366.15

Flyscreen mesh for hatches for outdoor purposes

Flyscreen mesh to be installed outside the hatch.
It can be installed in a matter of seconds by means of a weighed strap.

Code	|←→| mm
19.355.10	620x620
19.355.11	720x720
19.355.12	700x1200x800 h

▲ 19.355.10
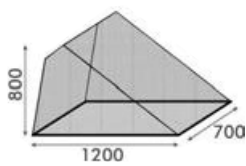
▲ 19.355.10

▲ 19.355.12

19.355.12

▲ 19.355.11
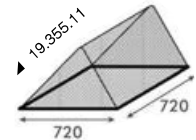
Companionway protection hood

Universal hatch protection hood with ribbon on the lower side for fastening.

Code	Description	Colour	
19.355.00	Polyester mosquito net	■	Black
19.355.05	Blind + mosquito net	▨	White/silver and black strip
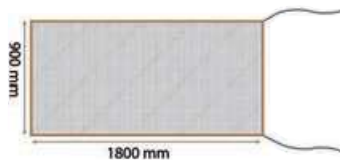
▲ 19.355.05

▲ 19.355.00
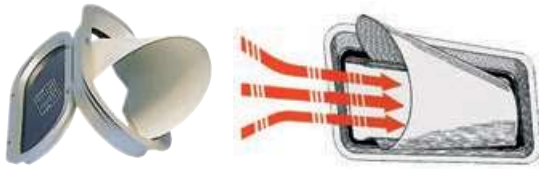
Universal air flow conveyor for any type of portlights

Made of **white plastic**, compact size, it can be installed and removed in a matter of seconds and provides optimal ventilation for cabins.

Code	|⟵⟶| mm flattened
19.041.00	350x400

PSP MARINE TAPES for seals of portlights, hatches windows, etc

Designed to make these openings **watertight**.

Code	Material/colour	Thickness mm	Width mm	Length m
19.114.00	black PVC foam	3	19	3
19.114.01	black PVC foam	6	25	3

Self-adhesive tape for seals of portlights, hatches, windows, etc.

Designed to make these openings **watertight**.

Code	Material/colour	Thickness mm	Width mm	Length m
19.115.15	black PVC foam	10	15	5
19.115.20	black PVC foam	10	20	5

PSP MARINE TAPES double-sided soft tape

It has two adhesive faces with a soft PVC foam tape in between.
Ideal to fix uneven surfaces or to avoid vibrations.

Code	Material	Thickness mm	Roll
19.116.01	Black PVC foam	3	19 mm x 3 m
19.116.02	Black PVC foam	3	25 mm x 3 m

Doorstop hook

Remove one or two chain links to get the length required.

Code	Material	Length mm
19.132.70	chromed brass	250
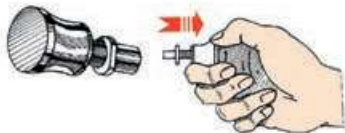
Spring glass stop

To stop sliding glazed panels.

Code	Material	For glass or plexiglas	Ø mm	Length mm
19.198.00	chromed brass	from 5 to 12 mm	22	44

Prisms and clear viewers
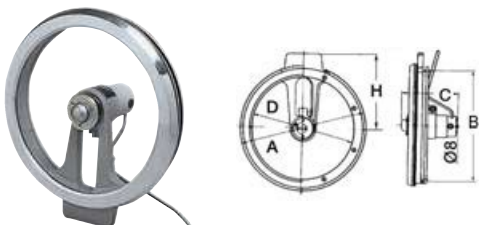
EIWA pivoting clear viewer

The tempered glass disc reaches its maximum speed in as little as 10 seconds.
Instant centrifuge system for water splashes, rain, salt, mud, etc.

Code	V	W	Outer Ø A mm	Net light D mm	Bore B mm	C mm	H mm	RPM	kg
19.152.60	12	34	350	300	326	163	212	2000	6
19.152.61	24	34	350	300	326	163	212	2000	6

Windshield wipers

Hand-operated windshield wiper

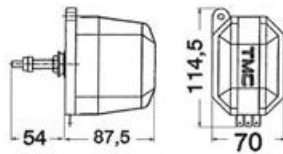Made of **chromed brass** with **stainless steel** arm and neoprene wiper blade.

Code	Wiper blade mm	Spare wiper blade
19.150.00	280	**19.152.40**
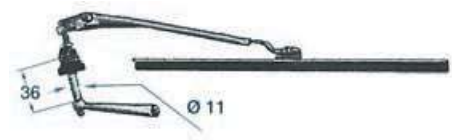
Hooded watertight windshield wiper

Stainless steel arm and blades.

Code	V	Stop angle	Automatic return	Telescopic arm mm	Wiper blade mm	Spare blade
19.151.52	12	110°	yes	250/280	280	19.152.40
19.151.53	12	110°	yes	300/350	350	19.152.41

TMC hooded windshield wiper

Stainless steel frame. Fitted with stainless steel arm and wiper blades.

Code	V	Stop angle	Automatic return	Telescopic arm mm	Wiper blades mm	Spare blade
19.152.50	12	110°	yes	200/280	280	**19.152.40**

Pantograph arm

STAINLESS STEEL / ACCIAIO INOX   Polished stainless steel arms and wiper blades with windshield wiper.

| Code	Description	Length mm	Windshield device
19.190.01	**Pantograph telescopic arm**	650/800	yes
19.194.01	Wiper blade	600	yes
19.194.02	Wiper blade	700	yes
19.194.03	Wiper blade	800	yes

▲ 19.190.01

▲ 19.194.01

▲ 19.194.02

TMC watertight windshield wiper motor

100% stainless, for bulkhead mounting up to 50-mm thickness, high-power motor for long operation. Fitted with adjustable cams for different wiping angles: 80°- 100°- 110°- 120°; 100 kg/cm^2 9.8 Nm stall force.
Automatic return to standby position on power shut off.

Code	V	Automatic return	Colour	For arm type	For wiper blade type
19.172.40	12	yes	Black coated	19.152.xx	19.112.xx
19.172.41	24	yes	Black coated	19.152.xx	19.112.xx
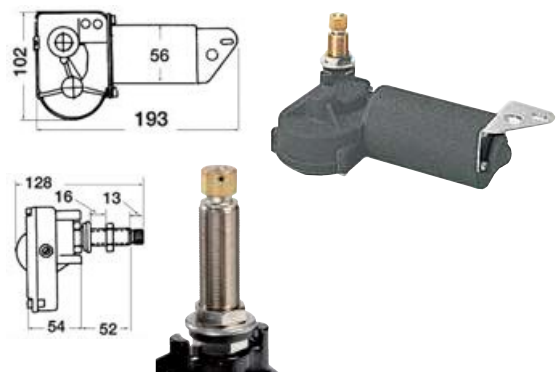
TMC hooded watertight windshield wiper motor

New **hooded** model fitted with UV-resistant white **technopolymer** body.
**Brass** shaft that fits glass panes up to 40-mm thick.

Code	V	Max torque	Adjustable stop angles	Speed	Automatic return	For arm type	For wiper blade type	mm
19.175.12	12	100 kgf/cm (9.8 Nm)	83-100-110-120°	2	yes	19.152.xx	19.112.xx	210x110x68 thickness
19.175.24	24	100 kgf/cm (9.8 Nm)	83-100-110-120°	2	yes	19.152.xx	19.112.xx	210x110x68 thickness

20W motor for max 550-mm wiperarms and blades

3.43-Nm torque, max 12.0 Nm. 55-dB max noise.

Code	V	Speed	Adjustable stop angle	Automatic return to standby	L mm	For arm type	For wiper blade type
19.182.03	12	2 (35-45 RPM)	50/70/90/100°	yes	25	19.152.xx	19.112.xx
19.182.01	12	2 (35-45 RPM)	50/70/90/100°	yes	51	19.152.xx	19.112.xx
19.182.02	24	2 (35-45 RPM)	50/70/90/100°	yes	51	19.152.xx	19.112.xx
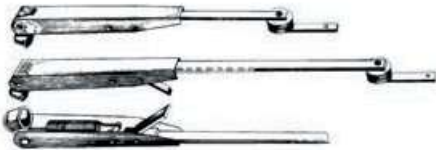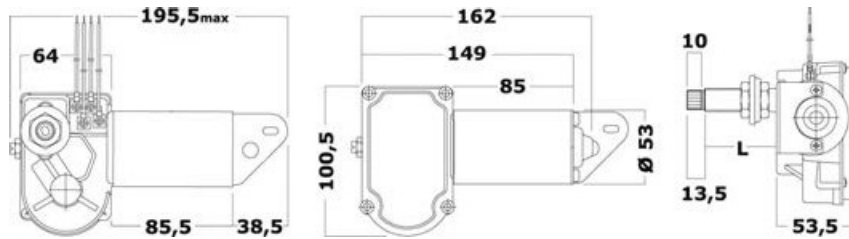
Matt black stainless steel telescopic wiper arm

Code	For windshield wipers	Matching wiper blades	Adjustable
19.152.14	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	265 to 335 mm
19.152.15	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	325 to 460 mm
19.152.16	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	455 to 615 mm

Stainless steel parallelogram arm for windshield wipers

Code	For windshield wipers	Matching wiper blades	Length mm
19.152.36	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	305/360
19.152.45	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	381/432
19.152.55	19.172.40; 19.172.41; 19.175.12; 19.175.24	19.112.xx	432/560

Matt black stainless steel blade with special silicone flaps for windshield wipers

Code	For black windshield wipers	Length mm
19.112.12	19.172.40; 19.172.41; 19.175.12; 19.175.24	305
19.112.14	19.172.40; 19.172.41; 19.175.12; 19.175.24	356
19.112.16	19.172.40; 19.172.41; 19.175.12; 19.175.24	405
19.112.18	19.172.40; 19.172.41; 19.175.12; 19.175.24	457
19.112.20	19.172.40; 19.172.41; 19.175.12; 19.175.24	505
19.112.22	19.172.40; 19.172.41; 19.175.12; 19.175.24	559

# Professional windshield wipers

OSCULATI

A range of windshield wipers designed for boats and made of stainless materials.

20W motor for max 550-mm wiper arms and blades

3.43Nm torque, max 12.0 Nm. Fixing shaft length L=48 mm (other dimensions on request).
55-dB max noise. DIN connector.

Code	V	Speed	Adjustable stop angle	Automatic return to standby
19.181.01	12	2 (35-45 RPM)	50/70/90/100°	yes
19.181.02	24	2 (35-45 RPM)	50/70/90/100°	yes
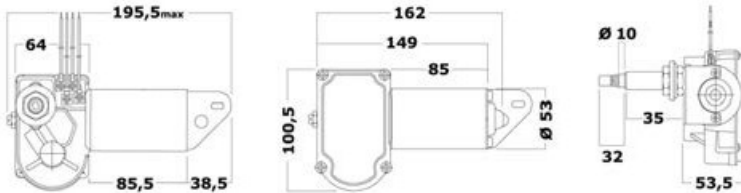
Regular and pantograph telescopic wiper arm for 20W motor - 19.181.01/02

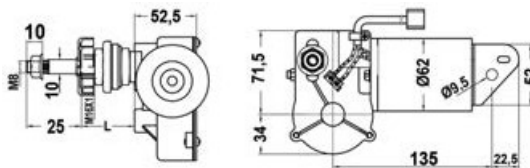**STAINLESS STEEL / ACCIAIO INOX**   Polished stainless steel arms and wiper blades. DIN fitting.

Code	Description	Length mm	Windshield wiper
19.188.01	**Regular telescopic arms**	350/450	no
19.188.02	**Regular telescopic arms**	450/550	no
19.193.01	Wiper blade	400	-
19.193.02	Wiper blade	450	-
19.193.03	Wiper blade	500	-
19.189.01	**Pantograph** telescopic arm	350/450	yes
19.189.02	**Pantograph** telescopic arm	450/550	yes
19.193.11	Wiper blade	400	-
19.193.12	Wiper blade	450	-
19.193.13	Wiper blade	500	-

▲ 19.188.01/02

▲ 19.193.01/03/11/13

▲ 19.189.01/02

▲ 19.193.02/12

30W motor for max 550-mm arms and wiper blades

5.0-Nm torque (max 22.0 Nm). Fixing shaft length L=48 mm (other dimensions on request).
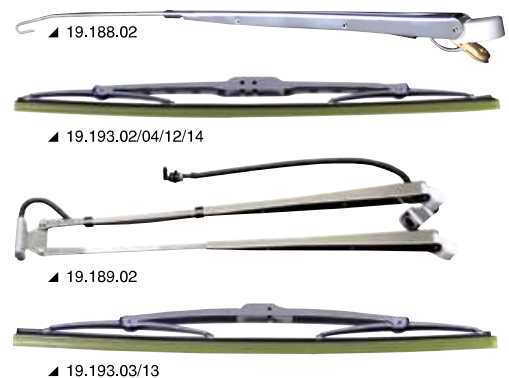55-dB max noise. DIN connector.

Code	V	Speed	Adjustable stop angle	Automatic return to standby
19.183.01	12	2 (35/45 RPM)	70°/80°/90°/95°	yes
19.183.02	24	2 (35/45 RPM)	70°/80°/90°/95°	yes

Regular and pantograph arm for 30W motor - 19.183.01/02

STAINLESS STEEL / ACCIAIO INOX   Polished stainless steel arms and wiper blades. DIN connector.

Code	Description	Length mm	Windshield wiper
19.188.02	**Standard telescopic arms**	450/550	no
19.193.02	Wiper blade	450	-
19.193.03	Wiper blade	500	-
19.193.04	Wiper blade	550	-
19.189.02	**Pantograph telescopic arms**	450/550	yes
19.193.12	Wiper blade	450	-
19.193.13	Wiper blade	500	-
19.193.14	Wiper blade	550	-

▲ 19.188.02

▲ 19.193.02/04/12/14

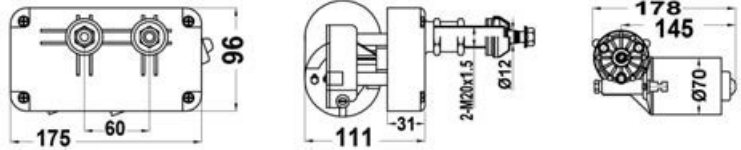▲ 19.189.02

▲ 19.193.03/13

50W motor for max 800-mm arms and max 700-mm wiper blades

7-Nm torque (max 24 Nm). Fixing shaft length L2=60 mm (other dimensions on request).
50-dB max noise. DIN connector.

Code	V	Speed	Stop angle	Automatic return to standby
19.184.01	12	2 (35/45 RPM)	(L1) 75° *	yes
19.184.02	24	2 (35/45 RPM)	(L1) 75° *	yes

*   Other angles (60° to 95°) on request.

Pantograph arm for 50W motor - 19.184.01/02

STAINLESS STEEL / ACCIAIO INOX   Polished stainless steel arms and blades with windshield wiper. DIN connector.
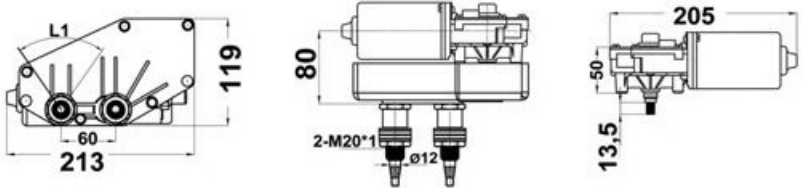
Code	Description	Length mm	Windshield wiper
19.190.01	Pantograph telescopic arm	650/800	yes
19.194.01	Wiper blade	600	yes
19.194.02	Wiper blade	700	yes

▲ 19.190.01
▲ 19.194.01
▲ 19.194.02

70W motor for max 800-mm arms and wiper blades

9-Nm torque (max 35 Nm). Fixing shaft length L=60 mm (other dimensions on request).
50-dB max noise. DIN connector.

Code	V	Speed	Stop angle	Automatic return to standby
19.185.01*	12	2 (30/45 RPM)	(L1) 80°	yes
19.185.02	24	2 (30/45 RPM)	(L1) 80°	yes

*   Other angles (70° to 90°) on request

Pantograph arm for 70W motor - 19.185.01/02

STAINLESS STEEL / ACCIAIO INOX   Polished stainless steel arms and wiper blades with windshield wiper. DIN connector.
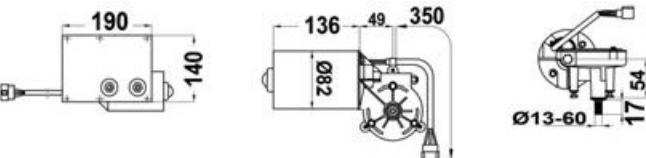
Code	Description	Length mm	Windshield wiper
19.190.01	Pantograph telescopic arm	650/800	yes
19.194.01	Wiper blade	600	yes
19.194.02	Wiper blade	700	yes
19.194.03	Wiper blade	800	yes

▲ 19.190.01
▲ 19.194.02
▲ 19.194.03

100W motor for max 900-mm arms and max 1000-mm wiper blades

12Nm torque, max 60 Nm. Fixing shaft length L=60 mm (other dimensions on request).
50-dB max noise. DIN connector.

Code	V	Speed	Stop angle	Automatic return to standby
19.186.02	24	2 (30/45 RPM)	70° *	yes

*   Other angles (36° to 95°) on request

Pantograph arm for 100W motor - 19.186.02

STAINLESS STEEL / ACCIAIO INOX   Polished stainless steel arms and wiper blades with windshield wiper. DIN connector.

Code	Description	Length mm	Windshield wiper
19.191.01	Pantograph arm	800	yes
19.191.02	Pantograph arm	900	yes
19.195.01	Wiper blade	900	yes
19.195.02	Wiper blade	1000	yes

▲ 19.191.01/02
▲ 19.195.01
▲ 19.195.02

Accessories for windshield wipers

Two-speed windshield wiper control switch

Code	Description
19.752.28	For 12V windshield wipers fitted **with** automatic return to standby position

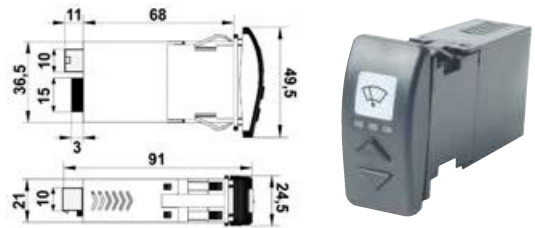## Universal smart switch for windshield wiper

12/24 volt universal voltage, LED backlighting, same look and recess fit size as the genuine USA CARLINGSWITCH items.

Version for 1 windshield wiper
Functions: On/off position. 3 intermittent levels indicated by LED lights. 2 speed modes (if the windshield wiper is fitted with any). Washing cycle. Blade automatic return to standby position. Dimmer port to adjust the light intensity level.
Version for 2 windshield wipers
Functions: On/off position. Automatic synchronization of the 2 wipers. Either wiper can be activated independently. 3 intermittent level. 2 speed modes (if the windshield wiper is fitted with any). Washing cycle. Blade automatic return to standby position. Dimmer port to adjust the light intensity level.

Version for	For current max 4A*	For current max 15A*	Frame (optional)
1 windshield wiper	**19.754.01**	**19.755.01***	**14.197.01**
2 windshield wipers	**19.754.02**	**19.755.02***	**14.197.01**
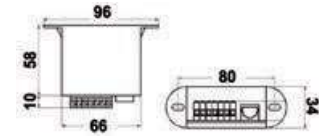
A power relay box is supplied in addition to the switch
** For all engines*

New   Smart control panel for windshield wipers - universal

Control system including a control panel + relay box connected via a CAN BUS cable with 2 plugs. The 2-wiper unit has 1 input while the 3-wiper unit has 2 inputs and 8 poles (in parallel) that can be used together or alone.
Functions:
The windshield wipers can be activated singularly or all together. 3 intermittent levels (4 with a one-speed motor). 1 or 2 continuous speed levels. Parking cycle. Synchro wipers for all speed levels. Automatic washing cycle. A second panel can be added for a second station. Internal fuse with auto reset for each motor. Reverse pole protection.

Code	|←——→| mm	Version for	V
19.756.02	100x98	2 windshield wipers	12/24
19.756.03	100x98	3 windshield wipers	12/24

▲ 19.756.02
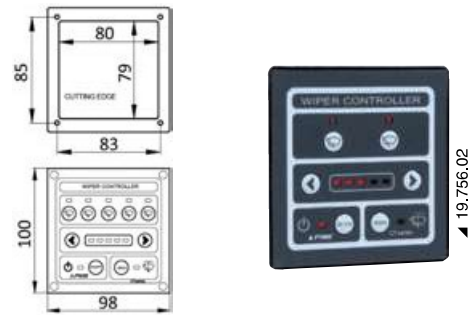
Window cleaning kit

It consists of a **polyethylene** tray and motor with 12 V pump, support, hose and two spray evaporators. Designed for the marine sector, to be used in combination with the windshield wipers available in our catalogue.

Code	|←——→| mm	Litres
19.105.00	220x100x130	2.8

Doga window cleaning system

Designed for large windshield wipers (series 19.950.../19.952. and similar types Ancor or Speich).

Code	Tank				OPTIONAL accessory					
	Capacity l	V		N pumps	T connector	Bullkhead-pass	Check valve	Water spray nozzle	PVC hose (5 mm - 24 m)	Spare pump
19.106.12	9.7	12	2	for 2 windshield wipers	19.108.01	19.108.02	19.108.03	19.108.04	19.108.00	19.106.99 New
19.106.24	9.7	24	2	for 2 windshield wipers	19.108.01	19.108.02	19.108.03	19.108.04	19.108.00	19.107.99 New
19.107.24	9.7	24	3	for 3 windshield wipers	19.108.01	19.108.02	19.108.03	19.108.04	19.108.00	19.107.99 New

▲19.108.01

▲19.108.01

▲19.107.24

◄19.107.24

▲19.106.12

◄19.106.12/24

▲19.106.99

◄19.108.00

◄19.108.03

◄19.108.03

▲19.108.04   ◄19.108.04   ◄19.108.02   ◄19.108.02