Pfeiffer Marine

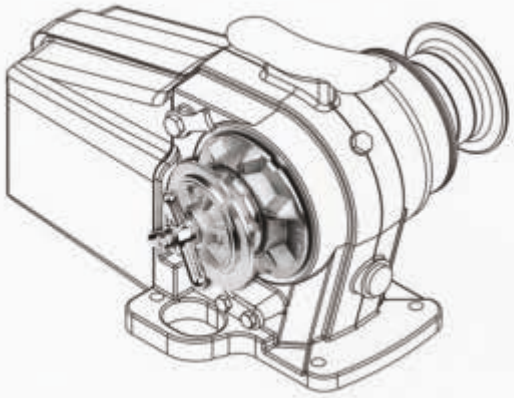
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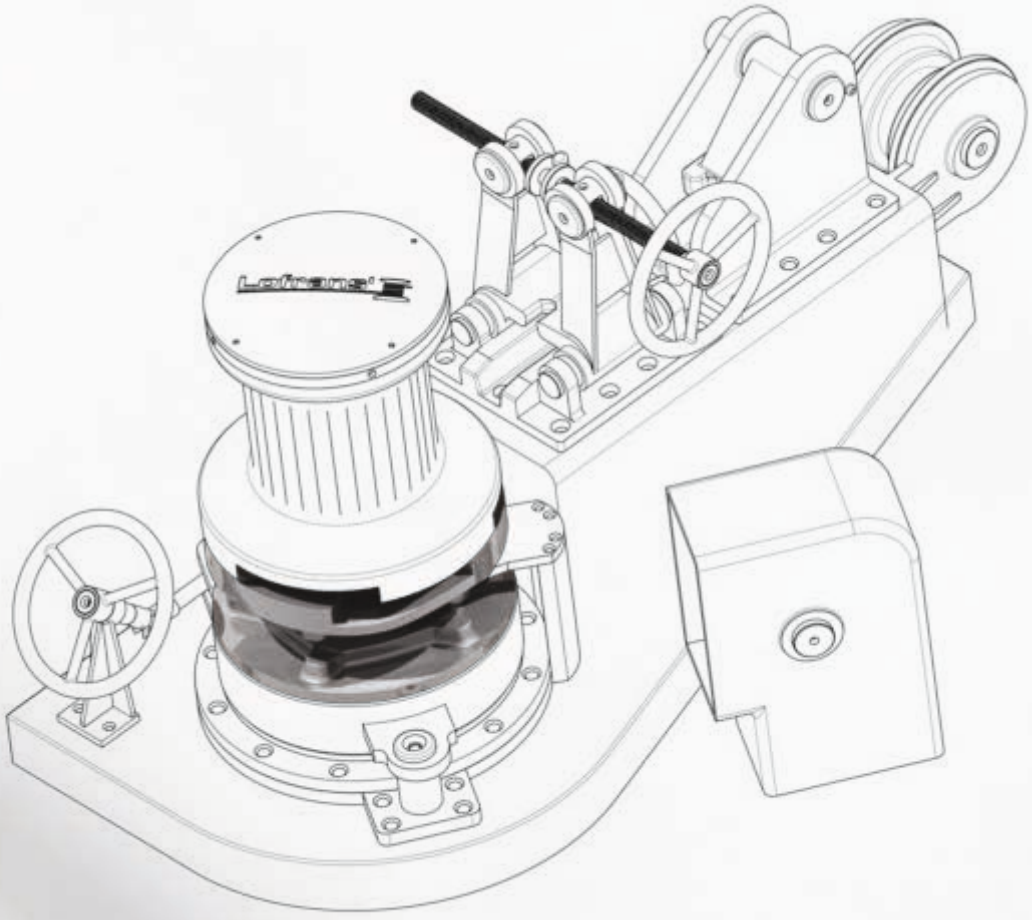
Lofrans'®
WINDLASSES
THE ORIGINAL WINDLASS

Lofrans'®

WINDLASSES

THE ORIGINAL WINDLASS





Lofrans' WINDLASSES
THE ORIGINAL WINDLASS



Lofrans was founded in 1966 in Monza and since the beginning has focused its attention on a single product range: the anchor windlass.

During this period of 50 years, all human and technical resources have focused on a specific target, to design and create a product of the highest quality and performance.

Quality, Safety & Reliability since 1966



One of first anchor windlasses built in 1966

Lofrans' Now



The intensive research of new anchoring solutions having the ability to operate in the marine environment, has lead us to build up a strong relationship with a group of carefully selected suppliers, whose long term co-operation has helped us in the construction of the components for our anchor windlasses.

This synergy gave us the ability to produce top level products in terms of quality and performance. We have been rewarded by the market which considers us the leader of this product.

With the latest CATIA CAD software, our engineers are constantly developing ideas and innovative solutions with regards to product evolution. The integration of these designs to our CAM system ensures that the switch from a conceptual idea to the actual produced component is achieved in a flawless manner.

Being one of the most weatherbeaten and mechanically challenged equipment on the deck, a windlass could not stand anything else than premium materials. Our products utilize only specific marine materials, able to withstand marine corrosion and treated in such way so as to increase their mechanical strength.



At Lofrans, we believe that durability and performance start with an extremely stringent selection of components: only AISI 3 16 L stainless steel, marine grade metals and electric motors designed to deliver high torque in all conditions.

Most of our components are produced by hot pressing, a technology which guarantees minimal porosity in the metal and superior mechanical features.

The most exposed components are then chemically treated in order to slow down and minimize the process of marine corrosion.

Today our anchor windlasses and capstans are able to cover the needs for vessels with a length from 6 up to 50 meters, from a range consisting of more than 25 different models.

The production is carried out in our 5000 sqm factory in Monza, where our team of designers, technicians and qualified employees are located together with our finished stock and spare parts warehouse.

During the production process in our factory, we carry out several dimensional tests on components and final products by use of our 3D co-ordinate measuring machine, as well as marine corrosion tests in a special marine environment chamber, which simulates the harshest of marine environments.

Our products meet the requirements of the most important classification societies such as RINA, BV, DNV and several others.

An important part of the Lofrans' organization is the sales and the service, which are guaranteed through a worldwide network of more than forty official distributors in the most important marine markets.

The success of Lofrans products is testified by the fact that our products are installed as standard on vessels of the most important and well reputed OEMs globally.

Since the beginning of 2013, great amounts have been invested to ensure that longevity, evolution, quality and control are guaranteed for the further development of Lofrans'. Major investments included the installation of the SAP ERP, the installation of a WMS (Warehouse Management System) integrated with hand held scanner order picking, additional Product Quality Assurance systems and Distributor order automation via an in-house B2B ordering tool.











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ZEUS RANGE
CAPSTANS
DECK HARDWARE & ACCESSORIES

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Warum Ankerwinden von Lofrans' ?

Der namhafte Italienische Windenhersteller Lofrans' produziert seit nunmehr 35 Jahren Ankerwinden für Schiffe und Yachten bis zu 40 Metern Länge.

Von Anfang an waren die Ziele die alleinige Konstruktion und Herstellung qualitativ hochwertiger Ankerwinden für die Sportschifffahrt und Berufsschiff-fahrt.

Die technischen Komponenten sind exakt aufeinander abgestimmt und Sie dürfen sicher sein, mit einem Lofrans Produkt ein Höchstmaß an Perfektion und Zuverlässigkeit zu erwerben. Weiterhin steht Lofrans' für Winden mit optimalem Wirkungsgrad und das bei stets IP 56 wassergeschützen Motoren.

Was ist das geeignete Modell für mein Schiff?

So oder ähnlich lautet die meist gestellte Frage.

Zunächst einmal unterscheiden wir zwischen elektrischen und manuellen Winden.

Manuelle Winden werden meist dort eingebaut, wo es um eine preiswerte Winde geht, die ohne elektrische Verkabelung sofort einsatzbereit ist.

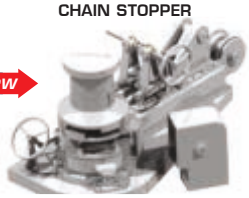
492  new
LION 1000

500 
ERCOLE HORIZONTAL

512  new
CHAIN STOPPER

493 
DORADO

502 
SUPER ERCOLE

518  new
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MAINTENANCE KITS

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524  new
GYPSIES & CHAIN PIPES

498 
TITAN

511 
CETO & TENDER WINCH

Elektrische Winden stehen für eine komfortable Lösung an Bord. Durch das Bordstrom-netz wird entweder mit 12 Volt oder 24 Volt die Energiezufuhr hergestellt. Mittels Bedienelement können Sie bequem das Ankermanöver einleiten oder aber elektrisch den Anker hieven.

Daneben sind auch Modelle erhältlich bei denen Sie wahlweise Kette oder Tauwerk bewegen können.

Schließlich gibt es Ankerwinden, die zusätzlich neben der Kettennuß noch über ein Verholspill verfügt; dies erleichtert das Verholen von Schiffen sehr!

Abschließend muß angefügt werden, daß Lofrans' Ankerwinden gleicher-ma-ßen für den Einsatz auf Motor- als auch auf Segelbooten konzipiert sind!

Über die Technik kann gesagt werden,

daß Lofrans' einen idealen Mix aus optimalen Materialkomponenten bei geringem Gewicht, bei hoher Festigkeit und Korrosionsbestän-digkeit anzubieten hat.

Spezielle Veredelungsverfahren der Ober-fläche durch chemische und galvanische Vergütungsprozesse imponieren unserem Hause als dem bekannten Hersteller von Aluminium-Bootsbeschlägen besonders!

Vertikale oder Horizontale Winde?

Schiffsindividuelle Lösungen bietet hier auch Lofrans' an!

Vertikale Lösungen haben den Vorteil, daß sie sehr klein und kompakt ausfallen. Der Motor und das Getriebe werden unter Deck montiert. Unschlag-bar auch das geringe Gewicht bei einem sehr positiven Preis- Leistungsver-hältniss.

Die klassischen Ankerwinden sind über Deck montiert und diese verfügen über einen horizontalen Antrieb. Gleichwohl bauen heute viele Werften auch diese Typen in den Anker-kasten ein.

Ein stabiles Gehäuse schützt dabei den Elektromotor, das Getriebe und die mechanischen Teile gegen Umwelteinflüsse.

X Series & SX Series

VERTICAL WINDLASSES

The X & SX vertical windlass range series is designed to provide anchoring solutions for sail and motor boats from 18 to 100 feet. The X series as standard, comes in mirror polished marine bronze produced by hot forging and it is made up by the following models: X 1, X2, X3, X4 and Ercole Vertical. All X series windlasses are available in standard version with drum and in low profile version.
The SX Series is the new, round base vertical windlass and consists of the models SX 1, SX2, SX3, SX3.5, SX4 and SX5. The SX Series is constructed with marine stainless steel AISI 3 16L to make sure the windlass is corrosion free. In addition the round base designs offers a more compact structure. All SX series windlasses are available in standard version with drum and in low profile version, except the SX 1 (only low profile).
All models are available in different motorization to meet all customers' requirements.
The ranges X4 to Ercole Vertical, from X Series, and SX4 to SX5, from SX Series, have been designed to be installed in yachts with a length of more that 55ft. These yachts require well-designed professional equipment, with a high mechanical performance and a high level of reliability.
With a purpose-built gearbox design, giving them top performance in terms of maximum pull and speed, these models are a reference point in their category. Lofrans' has achieved an excellent reputation for these specific anchor windlasses, which are installed on the most prestigious yachts throughout the world.

INNOVATIVE SOLUTIONS

- Watertight stainless steel ball bearings in the base, in order to have maintenance-free top performance functionality.
- Clutch consisting of two conical discs, fitted on to the main shaft by two flat parallel planes on the shaft, thus avoiding the use of keys and spreading the load on a wider surface.
- The X series as standard is provided with a pre-fitted sensor in the base and a magnet in the Gypsy, in order to be connected to an optional chain counter system.
- Models X1, X2 and X3 have a Gypsy designed to manage both rope and chain
- Independent drum rotation from Gypsy, for warping operation.
- Manual override, enabling the windlass to recover the chain and anchor in the event of electrical failure. The manual override mechanism is within the gearbox, made up by a spring loaded ratchet, whose secondary function is to provide a safety mechanism so that chain jams do not damage the deck.

DC, AC OR HYDRAULIC?

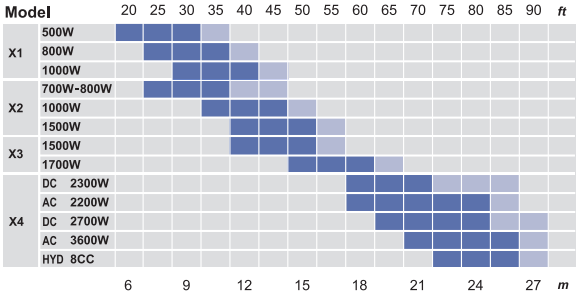
The windlass can be supplied in three different ways of motorization: direct current, alternate current and hydraulic.
- D.C. motorization is the most popular for reliability. The maintenance is very limited and this kind of electric motor is used for vessels up to 90 feet of length.
- A.C. motorization is the choice for boats from 90 up to 120 feet of length which have generators on board. A.C. motors offer good torque; they need a simple installation and limited maintenance.
- Hydraulic motorization gives the advantage of supply a constant torque while the load changes. They are very popular on boats of over 120 feet length. They need a specific installation.

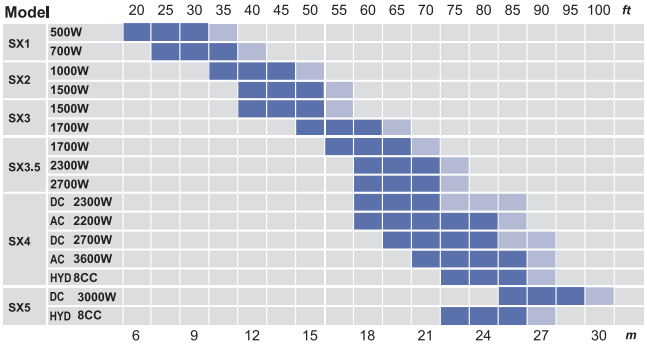
MAX PULL AND WORKING LOAD

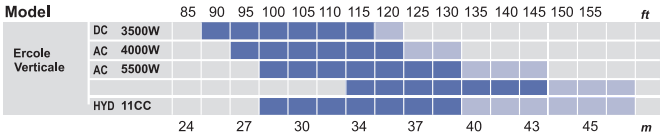
Max pull is the maximum pull that the windlass is able to supply for a few seconds.
Working Load is a load which simulates the operating conditions. This load is the reference for ampere drawing and the speed data indicated in the catalogue.

PROPER WINDLASS SELECTION

The steps to select a vertical or horizontal windlass are:
- Select the proper model checking the chart - windlass model length of the boat.
- Calculate the ground tackle which is made by anchor weight, total chain and rope weight on board.
- Ground tackle not to exceed the working load with a tolerance + 10%.









THE ORIGINAL WINDLASS

SX 1 - Vertical Windlass

INOX Round Base

Stainless Steel

500W / 800W

new



3 Years Limited Warranty *

Ohne Verholspill

Hauptmerkmale

- Kompakte Basis
- Seewasserbeständige Konstruktion aus AISI 316 l Edelstahl
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP67 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Construction	Stainless Steel	
Motor size	**500 W**	**800 W**
Power Supply (V)	12	12
Maximum Pull (kg)	630	700
Working load (kg)	95	100
Amps at Working Load (A)	75	80
Line Speed at Working Load (m/min)	23	25
Max Line Speed (m/min)	26	28
Net Weight Low Profile (kg)	11	13
Net Weight with Drum (kg)	12	14
Circuit Breaker (available separately)	**38 636087**	**38 636088**
Control Box	Included in package	

SX1		Code	Code
Low Profile	6 mm, ISO 4565 / DIN 766	**38 636279**	**38 636281**
	8 mm, ISO 4565 / DIN 766	*	**38 636280**

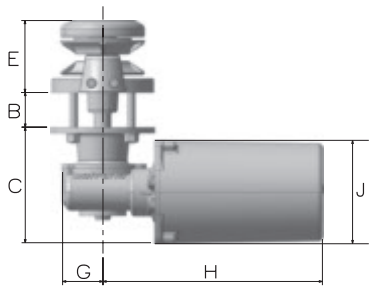
**Non-standard configuration optional gypsies can be supplied separately.*
Please refer to compatible gypsies table.

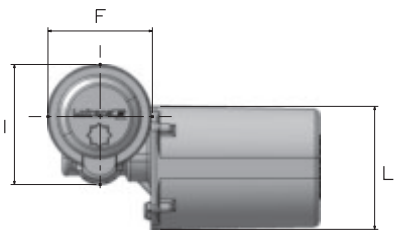
Lieferbare Kettennüsse



Code	Gypsy Size
38 630970	6 mm, ISO 4565 / DIN 766
38 630980	7 mm, ISO 4565
38 630999	8 mm, ISO 4565 / DIN 766

Dimensions in mm





Model	B	C	E	F	G	H	I	J	L
500W	10-30	111	77	128	56	236	110	105	132
800W	10-30	150	77	128	62	236	110	134	165

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Weiteres Zubehör finden Sie ab Seite 516

X1 - Vertical Windlass

500W / 800W



Mit Verholspill



Ohne Verholspill

Hauptmerkmale

- Bronze verchromte Basis und Trommel
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Kettennuss für Tau- und Kette
- Freilauf
- Intelligentes Kettenablaufsystem
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP67 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Construction	Chromed bronze	
Motor size	**500 W**	**800 W**
Power Supply (V)	12	12
Maximum Pull (kg)	630	700
Working load (kg)	95	100
Amps at Working Load (A)	75	80
Line Speed at Working Load (m/min)	23	25
Max Line Speed (m/min)	26	28
Net Weight Low Profile (kg)	11	13
Net Weight with Drum (kg)	12	14
Circuit Breaker (available separately)	**38 187331**	**38 187332**
Control Box	Included in package	

X1			Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	**38 472881**	**38 473207**
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	**38 187270**	**38 473003**
Low Profile	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	**38 472880**	**38 473217**
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	**38 187269**	**38 473002**

Weitere Modelle auf Anfrage!

THE ORIGINAL WINDLASS

Abstreifarm



3 Years Limited Warranty

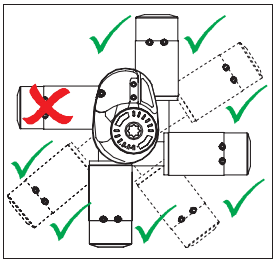


Von Lofrans entwickeltes Marine-Aluminium-Getriebe



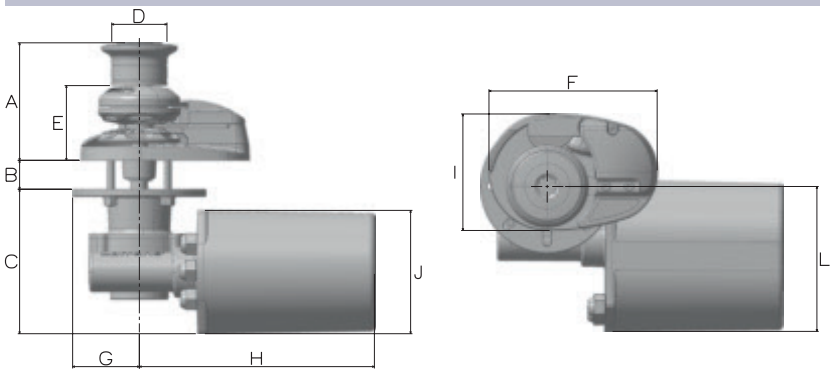
IP 67 wassergeschützte Motoreinheit

Installation positions



Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	L
500W	130	10-30	111	Ø60	84	183	56	236	127	105	132
800W	130	10-30	111	Ø60	84	183	56	236	127	105	132
1000W	130	10-30	150	Ø60	84	183	62	256	127	134	165

**Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630970	6 mm, ISO 4565 / DIN 766
38 630980	7 mm, ISO 4565
38 630999	8 mm, ISO 4565 / DIN 766

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung





KEEP YOUR LOFRANS' AS GOOD AS NEW!



Wartungskit
für X1
Code **38 72037**

Weiteres Zubehör finden Sie ab Seite 516

SX2 - Vertical Windlass

INOX Round Base

Stainless Steel

1000W / 1500W



Hauptmerkmale

- Kompakte Basis
- Seewasserbeständige Konstruktion aus AISI 316 l Edelstahl
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP67 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasser-beständigem Aluminium

Mit Verholspill

Construction	Stainless Steel	
Motor size	**1000 W**	**1500 W**
Power Supply (V)	12	24
Maximum Pull (kg)	1000	1270
Working load (kg)	150	175
Amps at Working Load (A)	135	75
Line Speed at Working Load (m/min)	20	19
Max Line Speed (m/min)	40	40
Net Weight Low Profile (kg)	19	24
Net Weight with Drum (kg)	20	25
Circuit Breaker (available separately)	**38 636089**	**38 636088**
Control Box		

SX2		Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	**38 636283**	**38 636285**
Low Profile	8 mm, ISO 4565 / DIN 766	**38 636282**	**38 636284**

Weitere Modelle auf Anfrage!

THE ORIGINAL WINDLASS

3 Years Limited Warranty

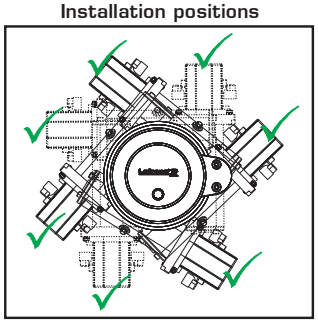
new



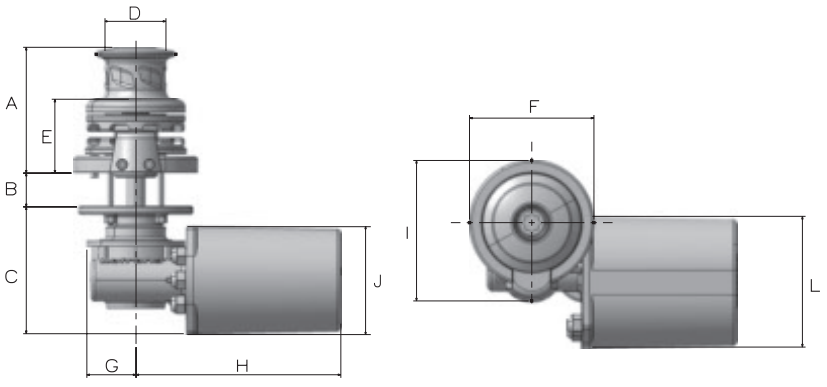
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	L
1000W	159	25-40	155	77	93	177	73	260	157	134	165
1500W	159	25-40	155	77	93	177	73	260	157	134	165

**Low Profile height dimensions.*

MONZA · ITALY · MONZA · ITALY ·

Lieferbare Kettennüsse



Code	Gypsy Size
38 630953	6 mm, ISO 4565 / DIN 766
38 630949	8 mm, ISO 4565 / DIN 766
38 630951	10mm, ISO 4565
38 630955	10mm, / DIN 766

Kettenstopper

new



38 636257
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 8/10/12 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Kettenrohr

new



38 636311
LOFRANS' Chain Pipe
of SX2 & SX3

Weiteres Zubehör finden Sie ab Seite 516

X2 - Vertical Windlass

800W / 1000W / 1500W



Mit Verholspill

Hauptmerkmale

- Bronze verchromte Basis und Trommel
- Spezielle, wassergeschützte Kugellagereinheiten
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Kettennuss für Tau- und Kette
- Freilauf
- Kettenablauf händisch steuerbar
- Optimale Kettensteuerung durch Federfinger
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP67 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Construction	Chromed bronze				
Motor size	**800W**	**1000 W**		**1500 W**	
Power Supply (V)	12	12	24	12	24
Maximum Pull (kg)	850	1000	1060	1200	1270
Working load (kg)	115	150	160	165	175
Amps at Working Load (A)	90	135	70	150	75
Line Speed at Working Load (m/min)	26	20	23	17	19
Max Line Speed (m/min)	35	40	40	40	40
Net Weight Low Profile (kg)	21	23	23	24	24
Net Weight with Drum (kg)	23	24	24	25	25
Circuit Breaker (available separately)	**38 187332**	**38 187333**	**38 187332**	**38 187333**	**38 187332**
Control Box					

X2			Code	Code	Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	-	**38 600046**	**38 600997**	*	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	**38 472862**	**38 473212**	**38 473255**	*	*
	10 mm, DIN 766	-	*	**38 602096**	**38 473227**	**38 187274**	**38 187276**
	10 mm, ISO 4565	-	*	**38 472863**	*	**38 601013**	**38 601044**
Low Profile	6 mm, ISO 4565 / DIN 766	-	**38 600047**	**38 600989**	*	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	**38 472861**	**38 473213**	**38 600054**	*	*
	10 mm, DIN 766	-	*	**38 602097**	**38 473226**	**38 187273**	**38 601041**
	10 mm, ISO 4565	-	*	**38 472864**	**38 478642**	**38 601008**	**38 602529**

Weitere Modelle auf Anfrage!

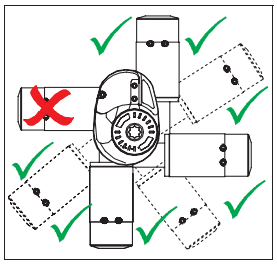
THE ORIGINAL WINDLASS



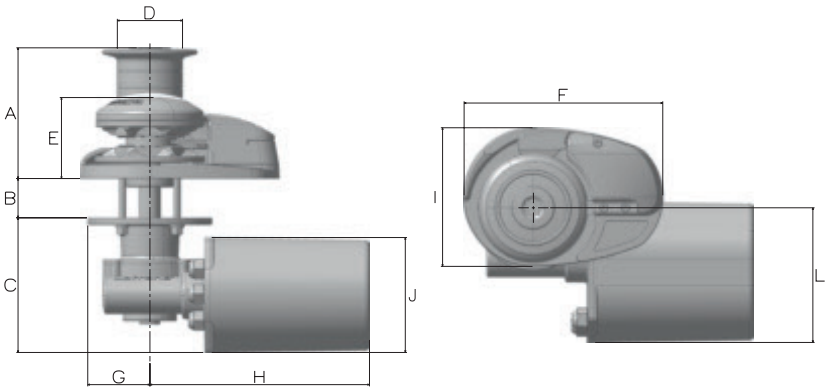
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	L
800W	153	25-40	155	Ø76	95	232	73	260	162	134	165
1000W	153	25-40	155	Ø76	95	232	73	260	162	134	165
1500W	153	25-40	155	Ø76	95	232	73	260	162	134	165

**Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630953	6 mm, ISO 4565 / DIN 766
38 630949	8 mm, ISO 4565 / DIN 766
38 630951	10mm, ISO 4565
38 630955	10mm, / DIN 766

Kettenstopper

new



38 636257
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 8/10/12 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



KEEP YOUR LOFRANS' AS GOOD AS NEW!



Wartungskit
für X2
Code....**38 72038**

Weiteres Zubehör finden Sie ab Seite 516

SX3 - Vertical Windlass

INOX Round Base

Stainless Steel

1500W / 1700W



Hauptmerkmale

- Kompakte Basis
- Seewasserbeständige Konstruktion aus AISI 316 l Edelstahl
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP67 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Mit Verholspill

Construction	Stainless Steel		
Motor size	**1500W**	**1700 W**	
Power Supply (V)	12	12	24
Maximum Pull (kg)	1200	1600	1695
Working load (kg)	165	200	215
Amps at Working Load (A)	150	180	90
Line Speed at Working Load (m/min)	17	14	15
Max Line Speed (m/min)	40	32	32
Net Weight Low Profile (kg)	32	35	35
Net Weight with Drum (kg)	35	38	38
Circuit Breaker (available separatly)	**38 636089**	**38 636091**	**38 636088**
Control Box	Included in package		

SX3		Code	Code	Code
With Drum	10 mm, DIN 766	*	*	**38 636288**
	12 mm, ISO 4565 / 13mm, DIN 766	*	*	**38 636287**
Low Profile	10 mm, ISO 4565	**38 636289**	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	*	*	**38 636286**

THE ORIGINAL WINDLASS

new

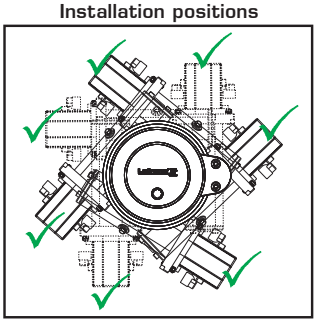


3 Years Limited Warranty

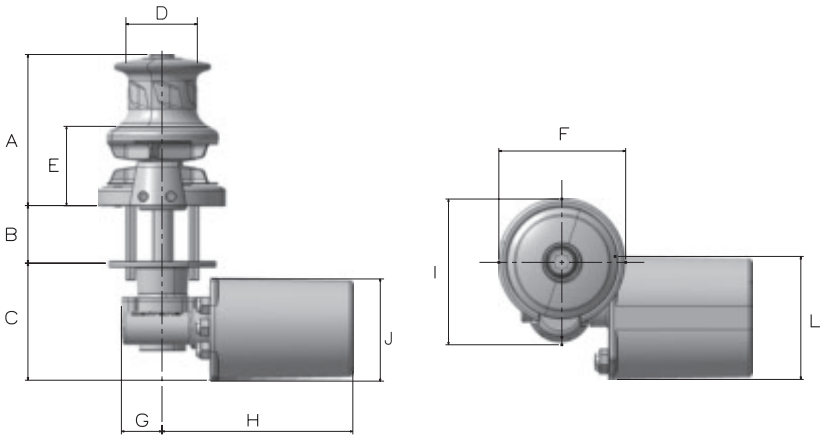
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	L
1500W	196	50-70	155	89	107	192	80	255	170	134	145
1700W	196	50-70	155	89	107	192	80	300	170	127	140

**Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630957	8 mm, ISO 4565 / DIN 766
38 630966	10mm, / DIN 766
38 630959	10mm, ISO 4565
38 630961	12mm, ISO 4565

Kettenstopper

new



38 636257
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 8/10/12 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Kettenrohr

new



38 636311
LOFRANS' Chain Pipe
of SX2 & SX3

Weiteres Zubehör finden Sie ab Seite 516

X3 - Vertical Windlass

1500W / 1700W



Mit Verholspill

Hauptmerkmale

- Bronze verchromte Basis und Trommel
- Spezielle, wassergeschützte Kugellagereinheiten
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Kettennuss für Tau- und Kette
- Freilauf
- Kettenablauf händisch steuerbar
- Optimale Kettensteuerung durch Federfinger
- Vorgerüstet mit Kettenzählersensor
- Leistungsstarker IP66 wassergeschützter Motor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Construction		Chromed bronze	
Motor size	**1500W**	**1700 W**	
Power Supply (V)	12	12	24
Maximum Pull (kg)	1200	1600	1695
Working load (kg)	165	200	215
Amps at Working Load (A)	150	180	90
Line Speed at Working Load (m/min)	17	14	15
Max Line Speed (m/min)	40	32	32
Net Weight Low Profile (kg)	32	35	35
Net Weight with Drum (kg)	35	38	38
Circuit Breaker (available separatly)	**38 187333**	**38 187334**	**38 187332**
Control Box	Included in package		

X3			Code	Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	**38 601079**	**38 600064**	**38 600068**
	10 mm, DIN 766	16 mm, 3-strand	*	**38 602101**	**38 602103**
	10 mm, ISO 4565	16 mm, 3-strand	**38 472865**	**38 473208**	**38 473252**
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	**38 601084**	**38 473004**	**38 473005**
Low Profile	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	**38 601070**	**38 600065**	*
	10 mm, DIN 766	16 mm, 3-strand	*	**38 602102**	**38 602104**
	10 mm, ISO 4565	16 mm, 3-strand	**38 472866**	**38 473209**	**38 473256**
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	**38 601075**	**38 472842**	**38 473006**

Weitere Modelle auf Anfrage!

THE ORIGINAL WINDLASS

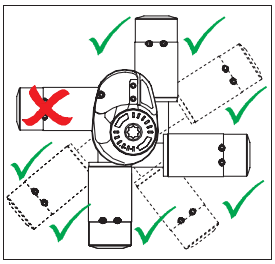


3 Years Limited Warranty

Ohne Verholspill

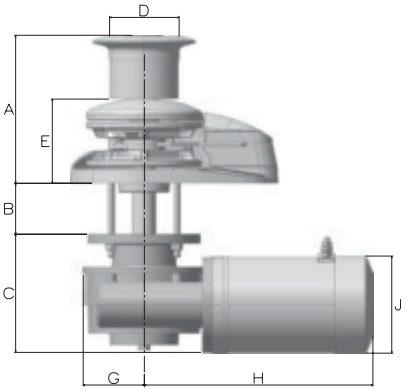


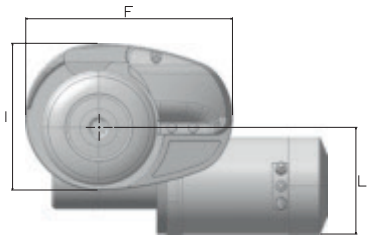
Installation positions



Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Dimensions in mm





Model	A	B	C	D	E*	F	G	H	I	J	L
1500W	195	50-70	155	Ø92	110	270	80	255	192	134	145
1700W	195	50-70	155	Ø92	110	270	80	300	192	Ø127	140

**Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630957	8 mm, ISO 4565 / DIN 766
38 630966	10mm, / DIN 766
38 630959	10mm, ISO 4565
38 630961	12mm, ISO 4565

Kettenstopper



38 72191
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 12/13/14 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



KEEP YOUR LOFRANS' AS GOOD AS NEW!



Wartungskit
für X3/X3ALU
Code....**38 72040**

Weiteres Zubehör finden Sie ab Seite 516

SX3.5 - Vertical Windlass

INOX Round Base

Stainless Steel

1700W / 2300W / 2700W / Hydraulic



Mit Verholspill

Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium
- Hochbelastbarer Elektromotor

Construction	Stainless Steel				
Motor size	**1700 W**		**2300 W**	**2700W**	**Hydraulic - 8cc**
Power Supply (V)	12	24	24	24	-
Maximum Pull (kg)	1700	1700	1900	2000	2500
Working load (kg)	270	270	330	400	650
Amps at Working Load (A)	185	95	180	210	-
Line Speed at Working Load (m/min)	15	16	16	16	16
Max Line Speed (m/min)	37	37	35	35	16
Net Weight Low Profile (kg)	50	50	60	60	55
Net Weight with Drum (kg)	48	48	58	58	60
Hydraulic Pressure (bar)	-	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	-	32
Circuit Breaker (available separatly)	**38 187334**	**38 187332**	**38 187333**	**38 187333**	**-**
Control Box	Included in package				-

SX3.5		Code	Code	Code	Code	Code
With Drum	10 mm, ISO 4565	**38 600084**	**38 600085**	*	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	**38 600086**	**38 600087**	**38 600088**	*	*
	14 mm	*	*	*	**38 600090**	*
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	**38 635984**	**38 635985**	**38 635986**	**38 636099**	*
	14 mm	*	*	*	*	**38 636208**

THE ORIGINAL WINDLASS

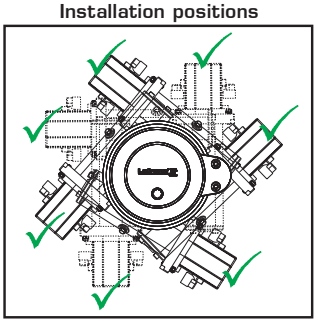


3 Years Limited Warranty

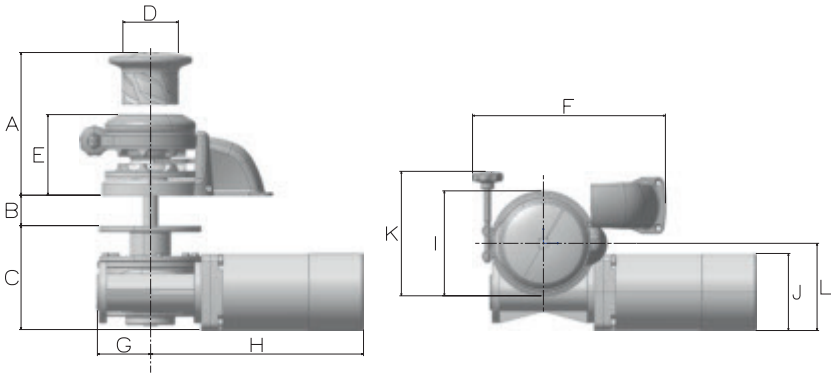
Ohne Verholspill

Im Lieferumfang enthalten:
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	K	L
1700W	281	40-60	208	Ø110	159	380	80	300	Ø190	Ø127	237	140
2300W	281	40-60	208	Ø110	159	380	105	420	Ø190	Ø150	237	175
2700W	281	40-60	208	Ø110	159	380	105	420	Ø190	Ø150	237	175

**Low Profile height dimensions.*

*** For Hydraulic version dimensions please see page 64*

Lieferbare Kettennüsse



Code	Gypsy Size	
38 631022	10mm, ISO 4565	
38 631132	10mm,	
38 631045	13mm	/ DIN 766
38 631059	14mm	
38 631033	1/2" BBB	
38 631036	1/2" G40	

Kettenstopper



38 72191
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 12/13/14 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Kettenrohr

new



38 636312
LOFRANS' Chain Pipe
of SX3.5

Weiteres Zubehör finden Sie ab Seite 516

SX4 - Vertical Windlass

INOX Round Base

Stainless Steel

2300W / 2700W / Hydraulic - 8cc



new

Hauptmerkmale

- Kompakte Basis
- Seewasserbeständige Konstruktion aus AISI 316 l Edelstahl
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor Motor
- Eloxierte Getriebeeinheit aus seewasser-beständigem Aluminium

Mit Verholspill

Construction	Stainless Steel		
Motor size	**2300 W**	**2700W**	**Hydraulic - 8cc**
Power Supply (V)	24	24	-
Maximum Pull (kg)	2100	2500	2500
Working load (kg)	500	530	650
Amps at Working Load (A)	160	170	-
Line Speed at Working Load (m/min)	13	13	16
Max Line Speed (m/min)	25	28	16
Net Weight Low Profile (kg)	72	75	55
Net Weight with Drum (kg)	82	85	60
Hydraulic Pressure (bar)	-	-	200
Hydraulic Flow (lt/min)	-	-	32
Circuit Breaker (available separatly)	**38 636090**	**38 636091**	-
Control Box	Included in package		-

SX4		Type**	Code	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	cw	**38 636290**	**38 636291**	**38 636295**
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	ccw	**38 636292**	**38 639293**	**38 639294**

*** cw: the windlass pulls clockwise ccw: the windlass pulls counter clockwise*

THE ORIGINAL WINDLASS

3 Years Limited Warranty

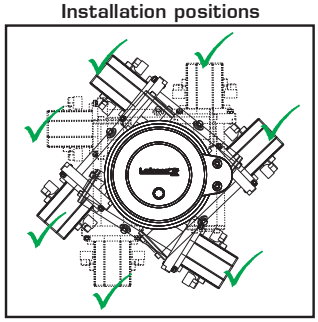


new

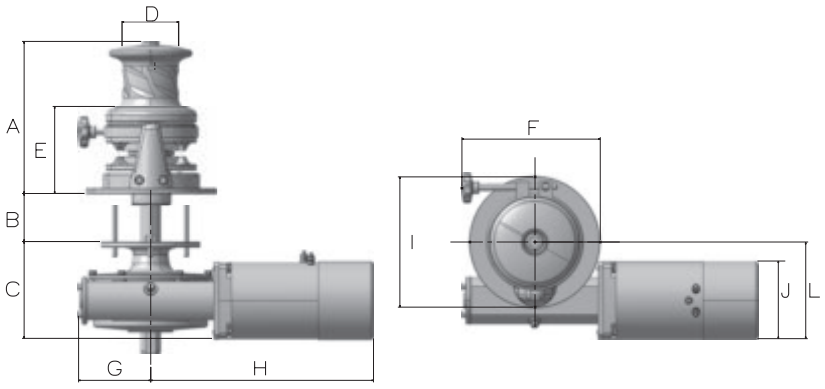
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	L
2300W	289	60-130	200	110	170	264	140	449	255	152	190
2700W	289	60-130	200	110	170	264	140	449	255	152	190

** Low Profile height dimensions.*

*** For Hydraulic version dimensions please see page 64*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630996	8 mm, ISO 4565 / DIN 766
38 631022	10mm, ISO 4565
38 631132	10mm, / DIN 766
38 631031	12mm, ISO 4565 / 13mm, DIN 766
38 631059	14mm
38 631033	1/2" BBB
38 631036	1/2" G40 HT

Kettenstopper



38 72191
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 12/13/14 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung





Kettenrohr

new

38 636313
LOFRANS' Chain Pipe
of SX4



Weiteres Zubehör finden Sie ab Seite 516

X4 - Vertical Windlass

2300W / 2700W / Hydraulic - 8cc



Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Eloxierte Getriebeeinheit aus seewasser-beständigem Aluminium
- Hochbelastbarer Elektromotor

Mit Verholspill

Construction	Chromed bronze		
Motor size	**2300 W**	**2700W**	**Hydraulic - 8cc**
Power Supply (V)	24	24	-
Maximum Pull (kg)	2100	2500	2500
Working load (kg)	500	530	650
Amps at Working Load (A)	160	170	-
Line Speed at Working Load (m/min)	13	13	16
Max Line Speed (m/min)	25	28	16
Net Weight Low Profile (kg)	72	75	55
Net Weight with Drum (kg)	82	85	60
Hydraulic Pressure (bar)	-	-	200
Hydraulic Flow (lt/min)	-	-	32
Circuit Breaker (available separatly)	**38 187333**	**38 187334**	-
Control Box	Included in package		-

X4		Type**	Code	Code	Code
With Drum	10 mm, ISO 4565	cw	**38 600073**	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	cw	**38 473007**	**38 600075**	**38 602361**
	14 mm	cw	*	**38 472849**	**38 602362**
	12 mm, ISO 4565 / 13mm, DIN 766	ccw	**38 600074**	*	**38 602363**
	14 mm	ccw	*	*	**38 602364**
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	ccw	**38 601142**	**38 601159**	*

*** cw: the windlass pulls clockwise ccw: the windlass pulls counter clockwise*

THE ORIGINAL WINDLASS

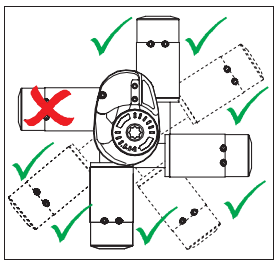
3 Years Limited Warranty *



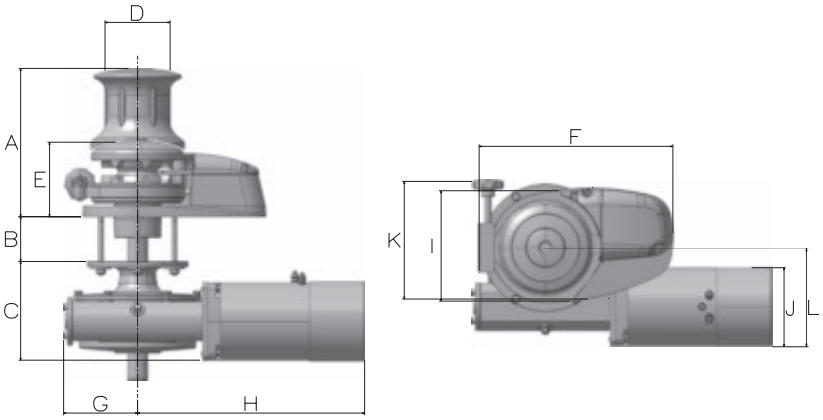
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	K	L
2300W	285	60-130	200	Ø125	150	380	140	449	220	Ø152	240	190
2700W	285	60-130	200	Ø125	150	380	140	449	220	Ø152	240	190
3000W	285	60-130	200	Ø125	150	380	140	449	220	Ø152	240	190

** Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 630996	8 mm, ISO 4565 / DIN 766
38 631022	10mm, ISO 4565
38 631132	10mm, / DIN 766
38 631031	12mm, ISO 4565 / 13mm, DIN 766
38 631059	14mm
38 631033	1/2" BBB
38 631036	1/2" G40 HT

Code	Description
38 474013	KIT A - Seals
38 474012	KIT B - Screws
38 474011	KIT C - Pins
38 474010	KIT D - Circlips

Kettenstopper



38 72191
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 12/13/14 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Weiteres Zubehör finden Sie ab Seite 516

SX5 - Vertical Windlass

INOX Round Base

Stainless Steel

3000W / Hydraulic



Mit Verholspill

Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Mit oder ohne Spillkopf
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauf
- Vorgerüstet mit Kettenzählersensor
- Eloxierte Getriebeeinheit aus seewasser-beständigem Aluminium
- Hochbelastbarer Elektromotor

Construction	316 L Stainless Steel	
Motor size	**3000 W**	**Hydraulic - 8cc**
Power Supply (V)	24	-
Maximum Pull (kg)	2800	2500
Working load (kg)	760	680
Amps at Working Load (A)	210	-
Line Speed at Working Load (m/min)	17	21
Max Line Speed (m/min)	33	21
Net Weight with Drum (kg)	100	85
Hydraulic Pressure (bar)	-	200
Hydraulic Flow (lt/min)	-	32
Control Box	Included in package	

SX5		Type**	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	cw	**38 600089**	**38 602389**
	14 mm	cw	**38 600091**	**38 602390**
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	cw	**38 636296**	*

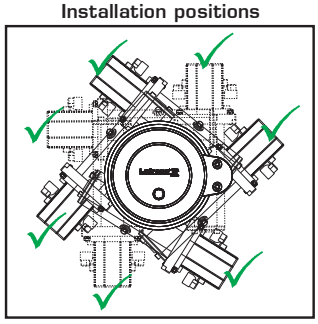
THE ORIGINAL WINDLASS



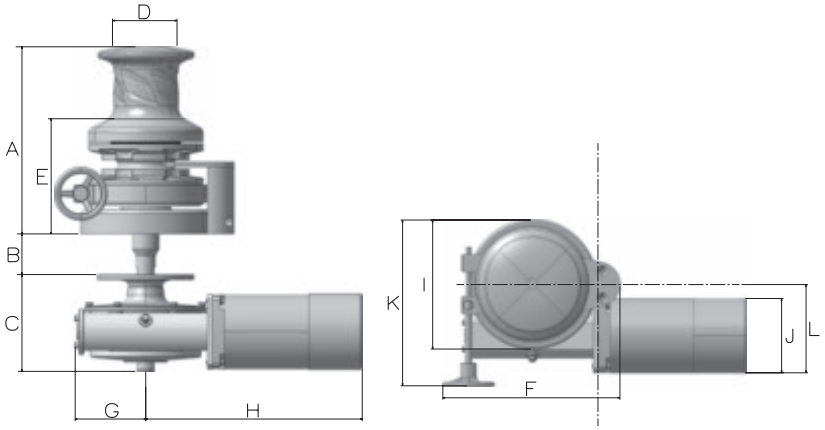
Ohne Verholspill

Im Lieferumfang enthalten:
- Relaisbox
- Kurbel
- Kettennuss
- CD mit Anleitung

Installation positions



Dimensions in mm



Model	A	B	C	D	E*	F	G	H	I	J	K	L
3000W	385	60-90	200	Ø132	232	362	152	449	264	Ø152	339	190

** Low Profile height dimensions.*

Lieferbare Kettennüsse



Code	Gypsy Size
38 631039	12mm, ISO 4565 / 13mm, DIN 766
38 631065	14mm

Kettenstopper



38 72191
Lofrans Edelstahl-Kettenstopper
für Kette ISO/DIN Kette 12/13/14 mm

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Kettenrohr



38 636314
LOFRANS' Chain Pipe
of SX5

Weiteres Zubehör finden Sie ab Seite 516

Edelstahl

ERCOLE VERTICAL

Round Base

3500W / 4000W / 5500W / 7500W

Hydraulic - 11cc



3 Years Limited Warranty *

Rina Approved



Kettenrohr oder Kettenroller

Construction	316 L Stainless Steel				
Motor size	**3500 W**	**4000 W**	**5500 W**	**7500 W**	**Hydraulic - 11cc**
Power Supply (V)	24	230-400	230-400	400	-
Maximum Pull (kg)	4500	2200	6500	7500	6500
Working load (kg)	705	565	1550	2000	1550
Amps at Working Load (A)	240	-	-	-	-
Line Speed at Working Load (m/min)	12	13	13	13	14
Max Line Speed (m/min)	20	13	13	13	14
Net Weight with Drum (kg)	180	180	200	225	165
Hydraulic Pressure (bar)	-	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	-	40
Control Box	Included in package	600096	600693	600699	-

ERCOLE VERTICALE		Type**	Code	Code	Code	Code	Code
With Drum	14 mm	cw	**38 600080**	**38 600082**	*	*	**38 602523**
	16 mm	cw	*	*	**38 600409**	*	**38 602525**
	17,5 STUD LINK	cw	*	*	*	**38 636078**	
	14 mm	ccw	**38 600081**	**38 600083**	*	*	**38 602524**
	16 mm	ccw	*	*	**38 600408**	*	**38 602526**
	17,5 STUD LINK	ccw	*	*	*	**38 636079**	

*** cw: the windlass pulls clockwise ccw: the windlass pulls counter clockwise*

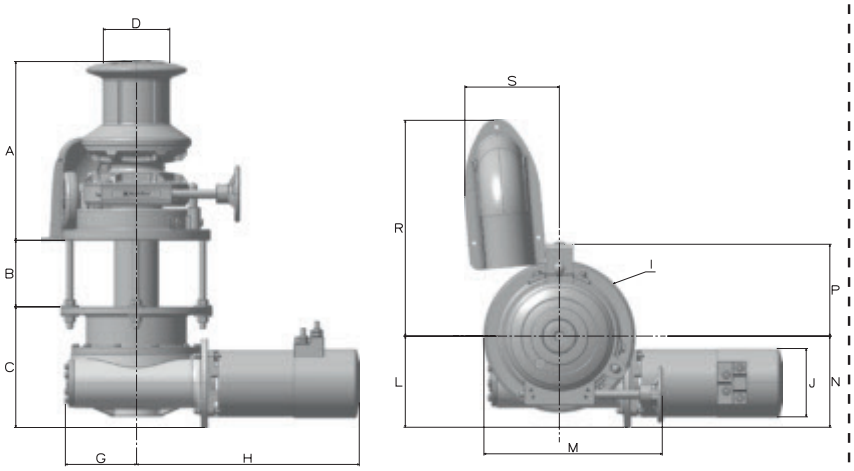
THE ORIGINAL WINDLASS

Hauptmerkmale sind:

- Kompakte Maße unter Deck
- Gehäuse aus handpoliertem “AISI” 316 L Edelstahl
- Hochleistungselektromotor speziell für den martimen Bereich
- Bandbremse zur Feinjustierung mit extra großem Handrad
- Verholspill mit hoher Haltekraft, unabhängig von der Kettennuss einsetzbar
- Manuell Kettenablass möglich
- Handbetrieb im Notfall möglich
- Optimale Kettenführung, um das Deck nicht zu beschädigen
- Kettenzählwerkmontage als Option möglich
- Verschiedene Laufrichtungen
- Hochwertig gefertigte Getriebeeinheit aus speziellen, seewasser-beständigen Materialien
- Hochleistungsmotor
- Antrieb: Gleichstrom, Wechselstrom und hydraulischer Antrieb
- Custom made Versionen auf Anfrage möglich

Im Lieferumfang enthalten:
- bei 24 Volt Version Relais enthalten
- Kurbel
- Kettennuss
- CD mit Anleitung

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L	M	N	P	R	S
3500W	400	150	272	150	160	502	340	Ø158	205	405	220	205	min 490 - max 600	min 200 - max 230
4000W														
5500W														
7500W														

Lieferbare Kettennüsse



Code	Gypsy Size
38 631019	10mm, ISO 4565
38 631039	12mm, ISO 4565 / 13mm, DIN 766
38 631065	14mm
38 631085	13mm. / DIN 764
38 631082	16mm
38 631088	16mm, / DIN 766
38 631101	18mm
38 631095	18mm, / DIN 766
38 631113	20mm
38 630989	14,5mm, UNI4417
38 631068	14 STUD LINK
38 631092	16 STUD LINK
38 631098	17,5 STUD LINK
38 631053	1/2” STUD LINK
38 631056	13 ITALMET

Wartungskit

Code	Description
38 418428	KIT A - **Dichtungen**
38 418475	KIT B - **Schrauben**
38 418499	KIT C - **Bolzen**
38 418556	KIT D - **Sprengringe**

Kettenstopper

Code....**38 72192**





Code....**38 72191**

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Weiteres Zubehör finden Sie ab Seite 516

HORIZONTAL WINDLASSES

Horizontale Ankerwinden verfügen über eine horizontale Drehrichtung der Kettennuss und falls vorhanden des Verholspills. Der Elektromotor sowie das Getriebe sind durch ein Gehäuse geschützt und für Wartungsarbeiten zugänglich.



Zum Standard-Lieferumfang zählen:
Kurbel, Kettennuss, CD mit wichtigen Hinweisen und bei den elektrischen Modellen die passende Relais-Box.

Erhältliches Zubehör:
Taster, bzw. elektrischer Sicherungsautomat, Fernbedienung mit Kabel oder als Funkfernbedienung und Kettenzählwerk.

The range of horizontal windlasses is suitable for boats from 18 up to 150 feet offering the best in performance and functionality, when there is adequate deck space or if the chain locker has limited size or accessibility. They are simple, reliable, with their classic and timeless style making them perfect for many vessels, especially for the charter business.

Material and finish, marine grade aluminium alloy: Our horizontal anchor windlasses are produced using marine grade aluminium alloy. The body is polished and anodised. Most of the components are made by hot forging. The horizontal models are available as standard in anodized aluminium. Some models are available with a painted white polyester coating.

High performance motors: The horizontal windlasses' electric motors have been designed to supply high torque in all working conditions. They are available in 12 or 24 Volt DC current and 230-440 V three phase AC current. Most of the motors have an IP66 rating with a galvanized body painted with a polyester coating. Our electric motors are specified to provide the necessary power for long run time. They are also designed to operate at an increased speed and so reducing operating time. Titan, Ercole and Super Ercole are also available in hydraulic motor versions.

Lofrans gearboxes: Most of our horizontal windlasses use a Lofrans-made high efficiency worm screw gearbox. It is non-reversible with the gears produced with specific material able to withstand high-load strain. All gearboxes are oil lubricated in order to minimize working noise. The models for superior boats use a special Lofrans planetary - worm screw gearbox which allows them to have a high efficiency to dimension ratio.

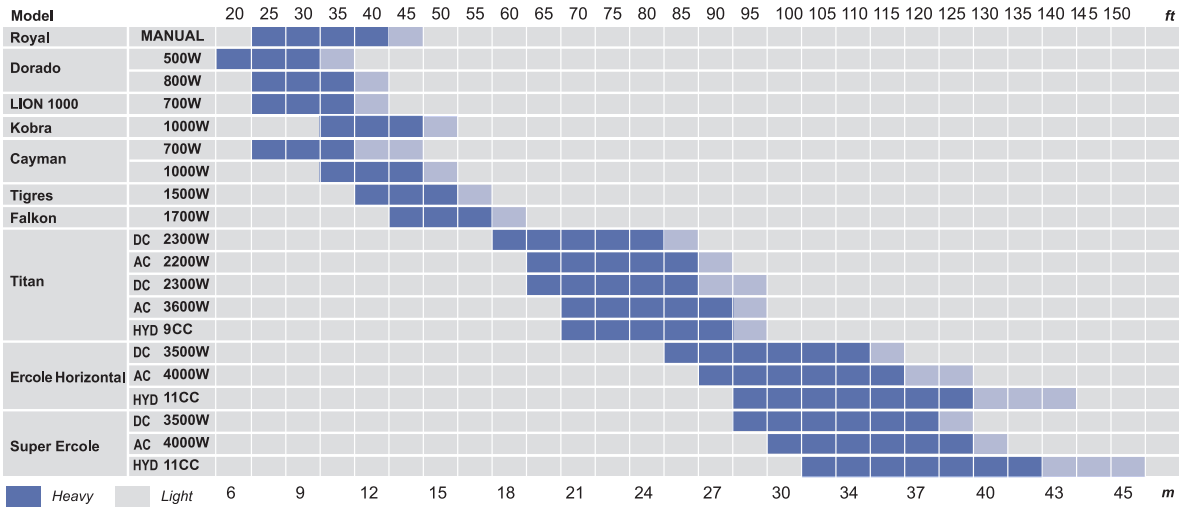
Manual override: Most of the Lofrans horizontal windlasses are supplied with manual override which makes the windlass capable of chain recovery in the event of electrical failure. The manual override has the secondary function to provide a safety mechanism so that chain jams do not damage the deck.

Independent drum from the Gypsy: Horizontal models give the choice of utilizing the drum for warping operations independently from the Gypsy.

Automatic free fall: Models KOBRA and CAYMAN 88 can optionally have a device installed named AUTOMATIC FREE FALL. This device allows disengaging the clutch automatically by pushing the "Down" button of the remote control unit. Disengaging the clutch, the Gypsy rotates freely and the weight of the anchor releases the chain into the water.

Rope and chain management: Models DORADO and ATLAS are able to manage rope and chain by use of a special spring loaded tension arm called a finger, which pushes the rope deeply inside the Gypsy teeth.

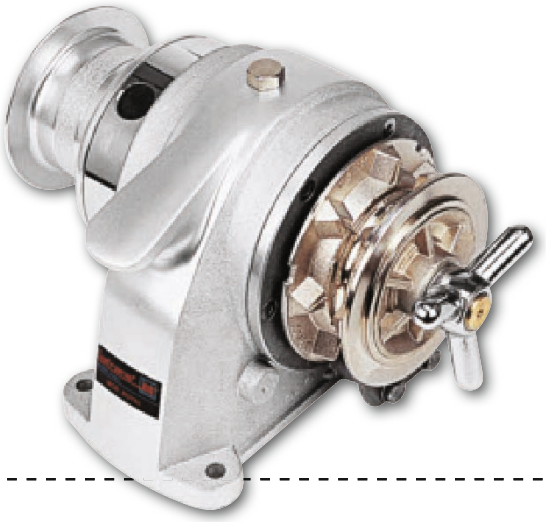
CUSTOM PRODUCT: Models TITAN, ERCOLE and SUPER ERCOLE are available in six versions in order to meet all customer requirements.



THE ORIGINAL WINDLASS

ROYAL - Horizontale Handankerwinde - Horizontal Windlass

Manual



3 Years Limited Warranty

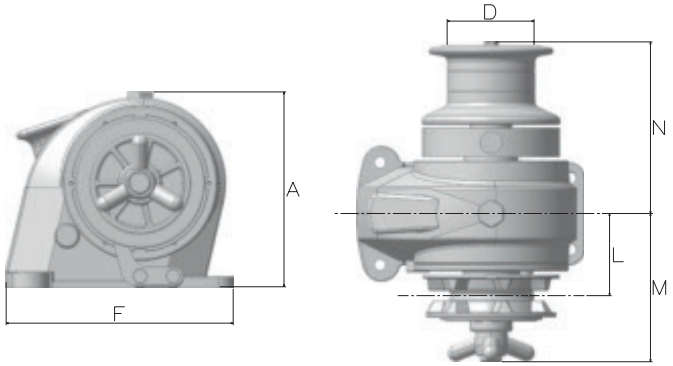
Hauptmerkmale

- Gehäuse aus seewasserbeständigem Aluminium
- Wahlweise nur Kettennussantrieb oder mit Verholspill (Trommel)
- Freilauffunktion zum Ablassen der Kette
- Kettenablauf händisch steuerbar

Construction	Anodised Aluminium
Motor size	**MANUAL**
Power Supply (V)	-
Maximum Pull (kg)	400
Working load (kg)	50
Amps at Working Load (A)	-
Line Speed at Working Load (m/min)	-
Max Line Speed (m/min)	-
Net Weight with Drum (kg)	10

ROYAL		Code
With Drum	6 mm, ISO 4565 / DIN 766	**38 187323**
	7 mm, ISO 4565	**38 600625**
	8 mm, ISO 4565 / DIN 766	**38 404725**
	10 mm, DIN 766	**38 600079**
	10 mm, ISO 4565	**38 220002**

Dimensions in mm



Model	A	D	F	L	M	N
Manual	192	Ø85	222	80	145	167

Lieferbare Kettennüsse



Code	Gypsy Size
38 630968	6 mm, ISO 4565 / DIN 766
38 630978	7mm, ISO 4565
38 630994	8 mm, ISO 4565 / DIN 766
38 631118	10mm, DIN 766
38 631011	10mm, ISO 4565
38 631077	5/16 HT
38 631120	3/8 BBB
38 631122	3/8 PC



Wartungskit
für ROYAL
Code....**38 72046**

Weiteres Zubehör finden Sie ab Seite 516

LION 1000 - Horizontale Handankerwinde - Horizontal Windlass

3 Years Limited Warranty ★

new



Hauptmerkmale

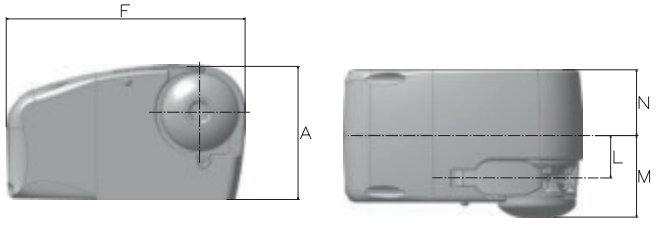
- Optional mit automatischem Freilauf*
- Weiß lackiertes Aluminium-Gehäuse
- Freilauffunktion
- Kettenmanagement durch Federarm
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich

Construction	Anodised Aluminium
Motor size	**700 W**
Power Supply (V)	12
Maximum Pull (kg)	575
Working load (kg)	105
Amps at Working Load (A)	60
Line Speed at Working Load (m/min)	23
Max Line Speed (m/min)	26
Net Weight Low Profile (kg)	11
Control Box	Included in package

LION 1000			Code
Low Profile	6 mm, ISO 4565	10-12 mm, 3-strand	**38 636214**
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	**38 636215**
	6 mm, ISO 4565	10-12 mm, 3-strand	**38 636216***
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	**38 636217***

***Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table*

Dimensions in mm



Model	A	F	L	M	N
700W	153	272	50	93	75

THE ORIGINAL WINDLASS

Lieferbare Kettennüsse



Code	Gypsy Size
38 631005	6 mm, ISO 4565 / DIN 766
38 631007	7 mm, ISO 4565
38 631009	8 mm, ISO 4565 / DIN 766

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfern-bedienung
- Funkfernbedienung





Weiteres Zubehör finden Sie ab Seite 516

DORADO

Horizontale Handankerwinde
- Horizontal Windlass

500W / 800W

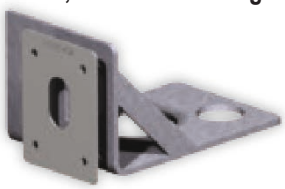


3 Years Limited Warranty

Hauptmerkmale

- Gehäuse aus seewasser-beständigem Aluminium
- Freilauffunktion zum Ablassen der Kette
- Kettenmanagement durch Federarm
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich

Stern windlass support, SS316, with roller & flange



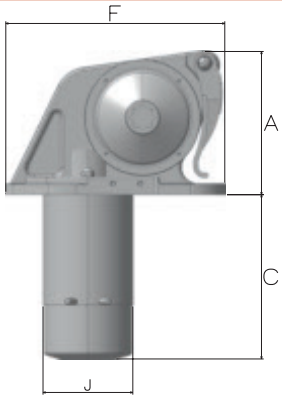
Code....**38 72204**

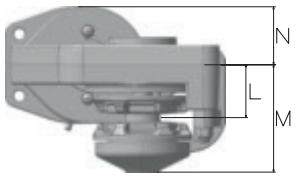
Construction	Anodised Aluminium	
Motor size	**500 W**	**800 W**
Power Supply (V)	12	12
Maximum Pull (kg)	630	900
Working load (kg)	95	125
Amps at Working Load (A)	65	80
Line Speed at Working Load (m/min)	18	20
Max Line Speed (m/min)	24	25
Net Weight Low Profile (kg)	10	11
Circuit Breaker (available separatly)	**38 187331**	**38 187332**
Control Box	Included in package	

DORADO			Type	Code	Code
Low Profile	6 mm, ISO 4565	10-12 mm, 3-strand	Port	**38 409568**	**38 600048**
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	Port	*	**38 409569**

**Non-standard configuration optional gypsies can be supplied separately.*
Please refer to compatible gypsies table

Dimensions in mm





Model	A	C	F	J	L	M	N
500W	130	152	200	Ø80	48	98	53
800W	130	164	200	Ø80	48	98	53

Lieferbare Kettennüsse



Code	Gypsy Size
38 630974	6 mm, ISO 4565 / DIN 766
38 630984	7mm, ISO 4565
38 631003	8 mm, ISO 4565 / DIN 766

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfern-bedienung
- Funkfernbedienung







Wartungskit
für DORADO

Code....**38 72047**

Weiteres Zubehör finden Sie ab Seite 516

CAYMAN - Horizontale Handankerwinde - Horizontal Windlass

700W / 1000W

3 Years Limited Warranty ★



Hauptmerkmale für CAYMAN und KOBRA

- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich

Construction	Anodised Aluminium		
Motor size	**700 W**	**1000 W**	
Power Supply (V)	12	12	24
Maximum Pull (kg)	1000	1250	1325
Working load (kg)	100	170	170
Amps at Working Load (A)	110	150	80
Line Speed at Working Load (m/min)	21	16	17
Max Line Speed (m/min)	32	32	33
Net Weight with Drum (kg)	24	25	25
Circuit Breaker (available separatly)	**38 187332**	**38 187333**	**38 187332**
Control Box	Included in package		

CAYMAN		Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	**38 600043**	*	*
	8 mm, ISO 4565 / DIN 766	**38 220273**	**38 220279**	*
	10 mm, ISO 4565	*	**38 419732**	*
	10 mm, DIN 766	*	**38 600165**	**38 600180**

**Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table*

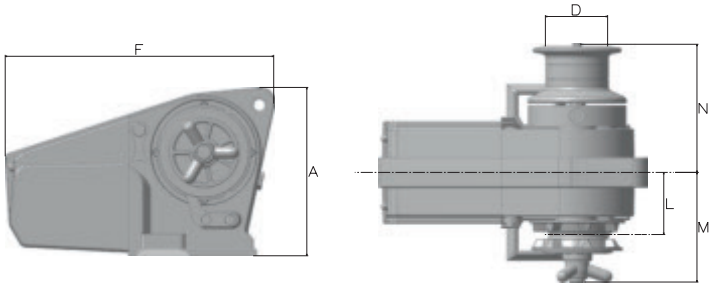
Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung



Weiteres Zubehör finden Sie ab Seite 516

Dimensions in mm



Model	A	D	F	L	M	N
700W	230	Ø85	370	85	150	175
1000W	230	Ø85	370	85	150	175

THE ORIGINAL WINDLASS

KOBRA - Horizontale Handankerwinde - Horizontal Windlass

1000W



3 Years Limited Warranty

Lieferbare Kettennüsse



Code	Gypsy Size
38 630968	6 mm, ISO 4565 / DIN 766
38 630978	7 mm, ISO 4565
38 630994	8 mm, ISO 4565 / DIN 766
38 631118	10 mm, / DIN 766
38 631011	10 mm, ISO 4565
38 631120	3/8 BBB
38 631122	3/8 PC
38 631077	5/16 HT

KEEP YOUR LOFRANS' AS GOOD AS NEW!



Wartungskit
für CAYMAN & COBRA
Code....**38 72048**

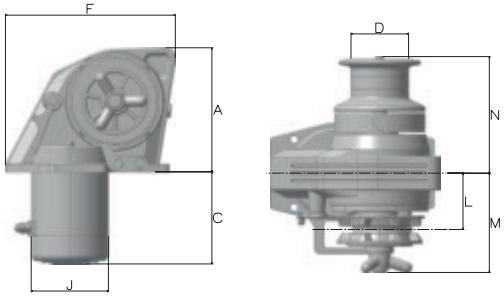
Weiteres Zubehör finden Sie ab Seite 516

Construction	Anodised Aluminium	
Motor size	**1000 W**	
Power Supply (V)	12	24
Maximum Pull (kg)	1250	1325
Working load (kg)	170	170
Amps at Working Load (A)	150	80
Line Speed at Working Load (m/min)	16	17
Max Line Speed (m/min)	32	33
Net Weight with Drum (kg)	21	21
Circuit Breaker (available separatly)	**38 187333**	**38 187332**
Control Box	Included in package	

KOBRA		Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	**38 600051**	**38 600513**
	8 mm, ISO 4565 / DIN 766	**38 220260**	**38 600514**
	10 mm, DIN 766	**38 600052**	**38 471734**
	10 mm, ISO 4565	**38 428747**	**38 220420**

**Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table*

Dimensions in mm



Model	A	C	F	D	J	L	M	N
1000W	184	136	250	Ø85	Ø114	83	147	172

TIGRES

Horizontale Handankerwinde
- Horizontal Windlass

1500W



3 Years Limited Warranty

Hauptmerkmale

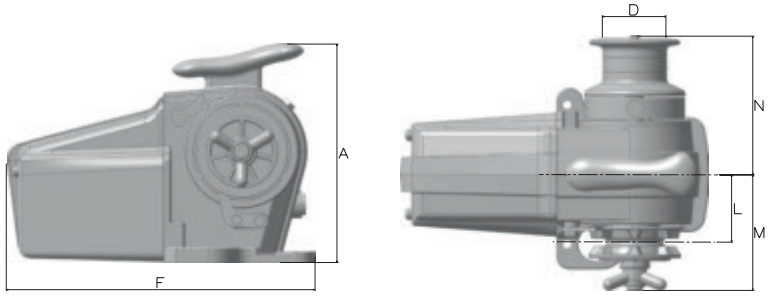
- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Alusilber Standard - Weiß auf Anfrage

Construction	Anodised Aluminium	
Motor size	**1500 W**	
Power Supply (V)	12	24
Maximum Pull (kg)	1500	1590
Working load (kg)	190	200
Amps at Working Load (A)	160	90
Line Speed at Working Load (m/min)	14	16
Max Line Speed (m/min)	33	33
Net Weight with Drum (kg)	28	28
Circuit Breaker (available separatly)	**38 187333**	**38 187332**
Control Box	Included in package	

TIGRES		Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	**38 418407**	**38 418409**
	10 mm, DIN 766	**38 600055**	**38 600059**
	10 mm, ISO 4565	**38 470060**	**38 220290**

**Non-standard configuration optional gypsies can be supplied separately.*
Please refer to compatible gypsies table

Dimensions in mm



Model	A	D	F	L	M	N
1500W	290	Ø85	415	90	155	185

THE ORIGINAL WINDLASS



Lieferbare Kettennüsse

Code	Gypsy Size
38 630968	6 mm, ISO 4565 / DIN 766
38 630978	7mm, ISO 4565
38 630994	8 mm, ISO 4565 / DIN 766
38 631118	10 mm, / DIN 766
38 631011	10 mm, ISO 4565
38 631120	3/8 BBB
38 631122	3/8 PC
38 631077	5/16 HT

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung







Wartungskit *für TIGRES*

Code....**38 72050**

Weiteres Zubehör finden Sie ab Seite 516

FALKON

Horizontale Handankerwinde - Horizontal Windlass

1700W

3 Years Limited Warranty

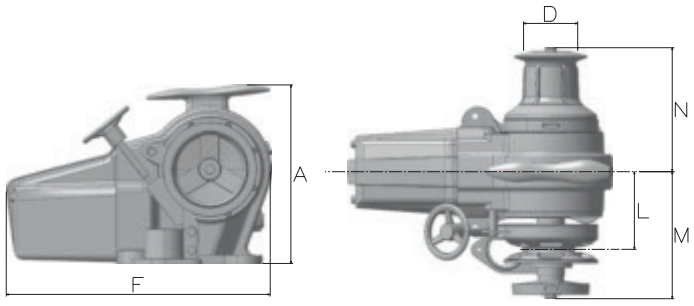


Construction	Anodised Aluminium	
Motor size	**1700 W**	
Power Supply (V)	12	24
Maximum Pull (kg)	1700	1800
Working load (kg)	215	225
Amps at Working Load (A)	210	100
Line Speed at Working Load (m/min)	14	15
Max Line Speed (m/min)	33	33
Net Weight with Drum (kg)	55	55
Circuit Breaker (available separatly)	**38 187334**	**38 187332**
Control Box	Included in package	

FALKON		Code	Code
With drum	10 mm, DIN 766	**38 600063**	**38 600067**
	10 mm, ISO 4565	**38 220293**	**38 418511**
	12mm ISO 4565 / 13mm DIN 766	**38 404732**	**38 404733**

**Non-standard configuration optional gypsies can be supplied separately.*
Please refer to compatible gypsies table

Dimensions in mm



Model	A	D	F	L	M	N
1700W	340	Ø104	500	147	240	235

Hauptmerkmale

- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Alusilber Standard - Weiß auf Anfrage



Lieferbare Kettennüsse

Code	Gypsy Size
38 630996	8 mm, ISO 4565 / DIN 766
38 631132	10 mm, / DIN 766
38 631022	10 mm, ISO 4565
38 631031	12mm, ISO 4565 / 13mm, DIN 766
38 631050	13mm, / DIN 764
38 631059	14mm
38 631033	1/2" BBB
38 631036	1/2" G40
38 631124	3/8" G40
38 631129	5/16" HT
38 630992	7/16" HT

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung
- Kettenstopper







Wartungskit *für FALKON*
Code....**38 72051**

Weiteres Zubehör finden Sie ab Seite 516

TITAN

Horizontale Handankerwinde
- Horizontal Windlass

2300W / 3600W / Hydraulic



3 Years Limited Warranty

Hauptmerkmale

- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Alusilber Standard - Weiß auf Anfrage

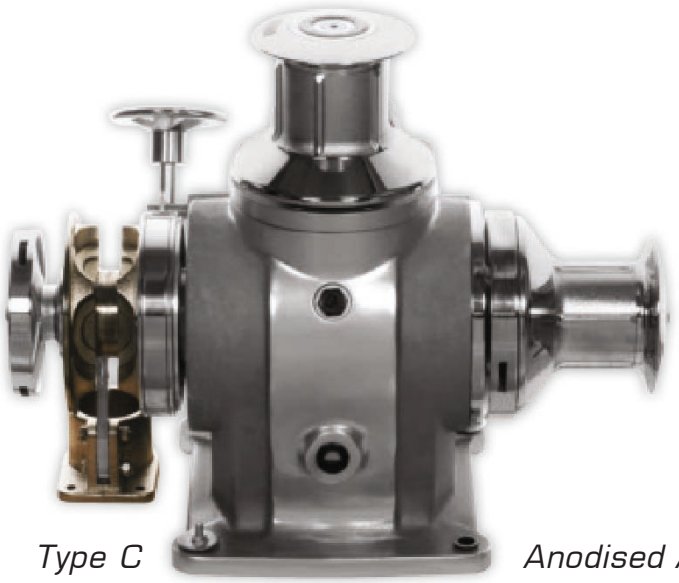
Type B - White Aluminium

Construction	Anodised Aluminium		White Aluminium	Anodised Aluminium
Motor size	**2300 W**	**3600 W**	**3600 W**	**Hydraulic - 9cc**
Power Supply (V)	24	230 - 1 PH	230 - 1 PH	-
Maximum Pull (kg)	2700	3400	3400	3400
Working load (kg)	430	540	540	540
Amps Work Load (A)	140	-	-	-
Amps at Working Load (A)	10	11	11	11
Line Speed at Working Load (m/min)	18	11	11	11
Net Weight with Drum (kg)	115	115	115	95
Hydraulic Pressure (bar)	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	32
Circuit Breaker (available separatly)	187333	-	-	-
Control Box	Included in package	**38 600684**		-

TITAN		Model**	Code	Code	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	Type A	**38 404724**	*	**38 600846**	**38 602423**
	14 mm, DIN 766		**38 600072**	**38 600847**	*	**38 602424**
	12 mm, ISO 4565 / 13mm, DIN 766	Type B	**38 428938**	*	*	**38 602468**
	14 mm, DIN 766		**38 426415**	*	*	**38 602469**

**Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table*

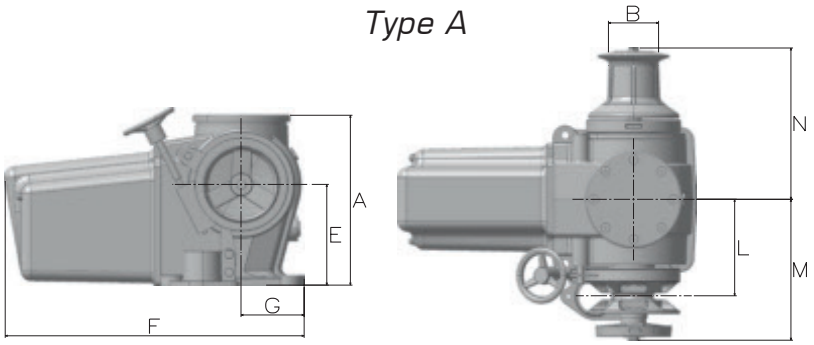
THE ORIGINAL WINDLASS



Type C *Anodised Aluminium*

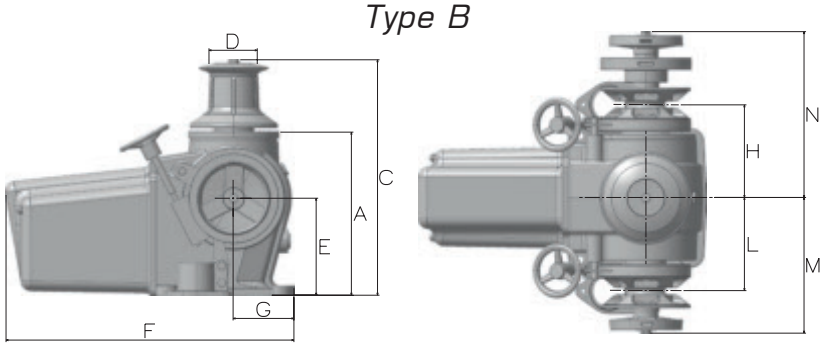
Dimensions in mm

Type A



Model	A	C	F	D	J	L	M	N
2300W	330	Ø104	193	590	120	185	270	290
3600W								
Hydraulic								

Type B



Model	A	C	D	E	F	G	H	L	M	N
2300W	330	465	Ø104	193	590	120	185	185	270	290
3600W										
Hydraulic										

Lieferbare Kettennüsse



Code	Gypsy Size
38 630996	8 mm, ISO 4565 / DIN 766
38 631132	10 mm, / DIN 766
38 631013	10 mm, ISO 4565
38 631031	12mm, ISO 4565 / 13mm, DIN 766
38 631059	14mm
38 631033	1/2" BBB
38 631036	1/2" G40
38 631124	3/8" G40

Wartungskit

Code	Description
38 418403	KIT A - Seals
38 418457	KIT B - Screws
38 418493	KIT C - Pins
38 418553	KIT D - Circlips

Erhältliches Zubehör

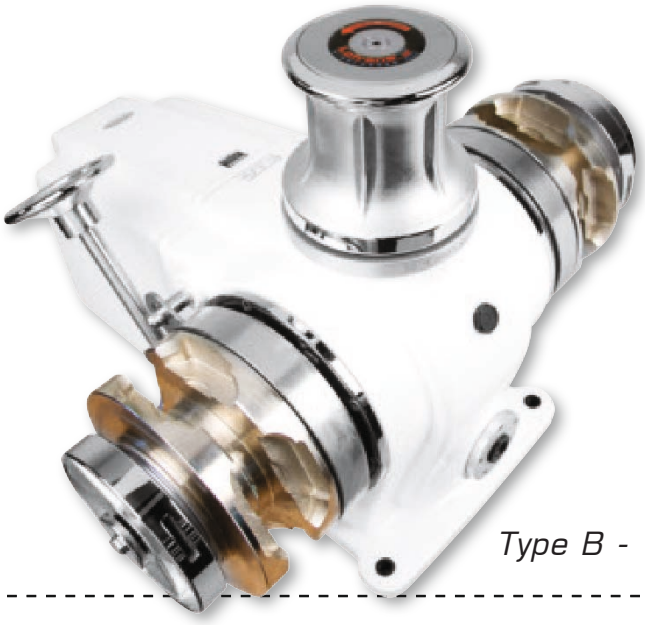
- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfernbedienung
- Funkfernbedienung
- Kettenstopper



Weiteres Zubehör finden Sie ab Seite 516

ERCOLE Horizontale Handankerwinde - Horizontal Windlass

3500W / Hydraulic



3 Years Limited Warranty *

Hauptmerkmale

- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- Wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Gehäuse weiß pulverbeschichtet

Type B - White Aluminium



Chain pipe included

Construction	White Aluminium	
Motor size	**3500 W**	**Hydraulic - 11cc**
Power Supply (V)	24	-
Maximum Pull (kg)	4500	6500
Working load (kg)	810	1550
Amps at Working Load (A)	240	-
Line Speed at Working Load (m/min)	12	14
Max Line Speed (m/min)	20	14
Net Weight with Drum (kg)	200	180
Hydraulic Pressure (bar)	-	200
Hydraulic Flow (lt/min)	-	40
Control Box	Included in package	-

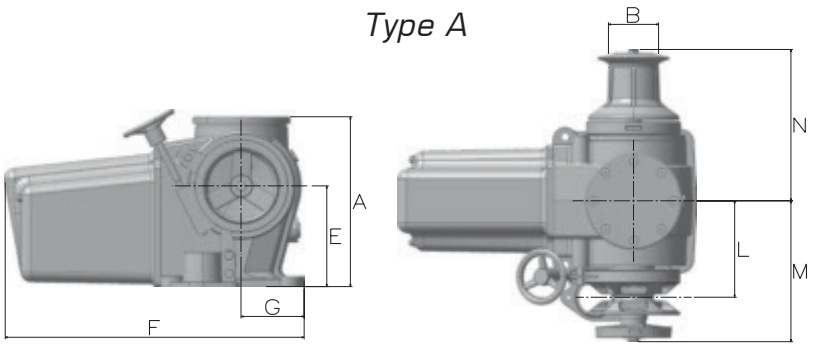
ERCOLE		Model	Code	Code
With Drum	14 mm	Type A	**38 403615**	**38 602509**
		Type B	**38 220317**	**38 602512**
		Type C	**38 403614**	**38 602515**

**Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table*

THE ORIGINAL WINDLASS

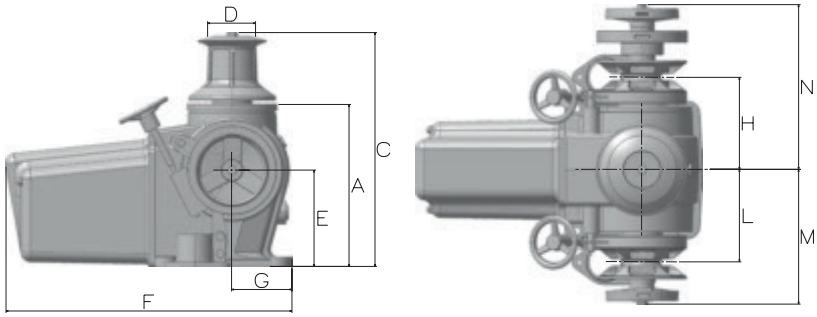
Dimensions in mm

Type A



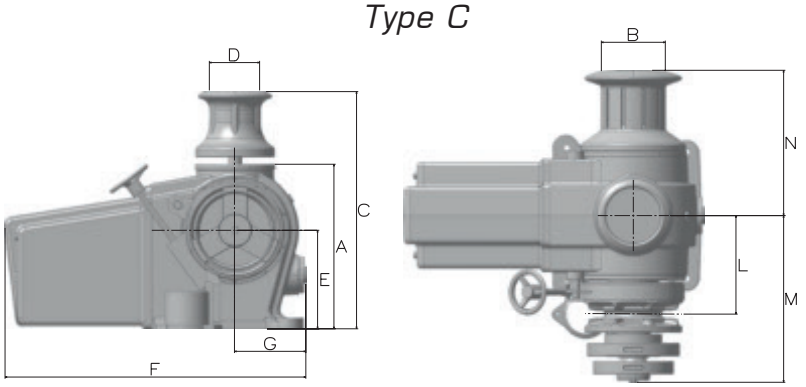
Model	A	B	E	F	G	L	M	N
3500W Hydraulic	390	Ø150	230	705	160	230-250	390	340

Type B



Model	A	C	D	E	F	G	H	L	M	N
3500W Hydraulic	390	555	Ø125	230	705	160	230-250	230-250	390	340

Type C



Model	A	B	C	D	E	F	G	L	M	N
2300W Hydraulic	390	Ø150	555	Ø125	230	705	170	230-250	390	339

Lieferbare Kettennüsse



Code	Gypsy Size
38 631019	10mm, ISO 4565
38 631039	12mm, ISO 4565 / 13mm, DIN 766
38 631065	14mm
38 631085	13mm. / DIN 764
38 631082	16mm
38 631088	16mm, / DIN 766
38 631101	18mm
38 631095	18mm, / DIN 766
38 631113	20mm
38 631068	14 STUD LINK
38 631092	16 STUD LINK
38 631098	17,5 STUD LINK
38 631104	19 STUD LINK
38 631110	20 STUD LINK
38 631053	1/2" STUD LINK
38 631056	13 ITALMET

Wartungskit

Code	Description
38 418423	KIT A - Seals
38 418472	KIT B - Screws
38 418494	KIT C - Pins
38 418555	KIT D - Circlips

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfern-bedienung
- Funkfern-bedienung
- Kettenstopper



Weiteres Zubehör finden Sie ab Seite 516

SUPER ERCOLE



Rina Approved

3 Years Of Warranty *

Hauptmerkmale

- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- Wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Gehäuse weiß pulverbeschichtet

Type B - White Aluminium

Construction	White Aluminium		
Motor size	**3500 W**	**5500 W**	**Hydraulic - 11cc**
Power Supply (V)	24	400	-
Maximum Pull (kg)	5000	7000	7000
Working load (kg)	870	1670	1670
Amps at Working Load (A)	240	-	-
Line Speed at Working Load (m/min)	14	17	18
Max Line Speed (m/min)	28	17	18
Net Weight with Drum (kg)	235	235	215
Hydraulic Pressure (bar)	-	-	200
Hydraulic Flow (lt/min)	-	-	40
Control Box	Included in package	**38 600693**	-

SUPER ERCOLE		Model	Code	Code	Code
With Drum	16 mm	Type A	**38 404957**	**38 602501**	**38 602488**
		Type B	**38 426414**	**38 602504**	**38 602491**

**Non-standard configuration optional gypsies are supply separately. Please refer to compatible gypsies table on next page.*

THE ORIGINAL WINDLASS

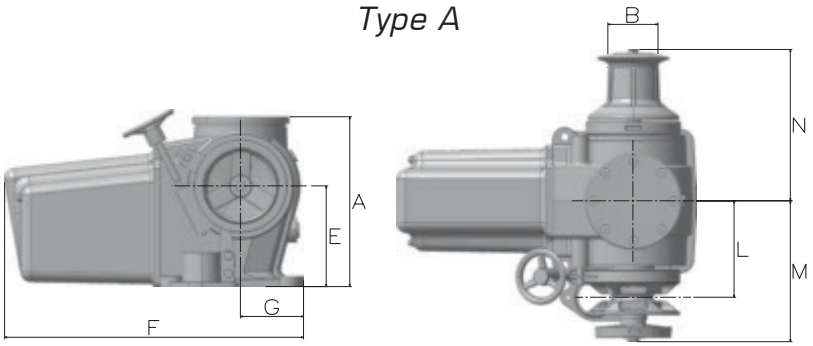
Horizontale Handankerwinde
- Horizontal Windlass

3500W / 5500W / Hydraulic



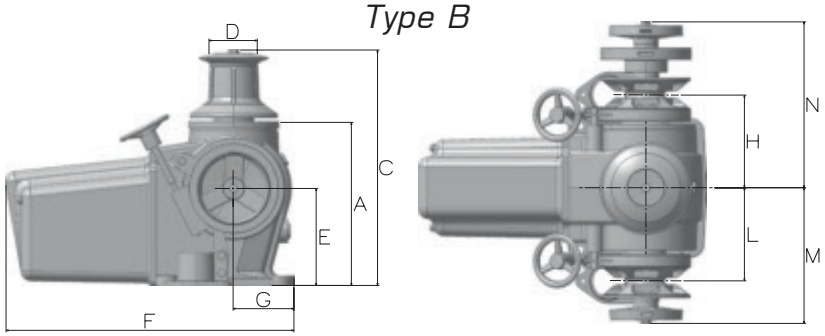
Dimensions in mm

Type A



Model	A	C	F	D	J	L	M	N
2300W								
3600W	450	Ø150	260	870	200	255-280	450	375
Hydraulic								

Type B



Model	A	C	D	E	F	G	H	L	M	N
2300W										
3600W	450	610	Ø135	260	870	200	255-270	255-280	450	375
Hydraulic										

Lieferbare Kettennüsse



Code	Gypsy Size
38 631019	10mm, ISO 4565
38 631039	12mm, ISO 4565 / 13mm, DIN 766
38 631065	14mm
38 631085	13mm. / DIN 764
38 631082	16mm
38 631088	16mm, DIN 766
38 631101	18mm
38 631095	18mm, DIN 766
38 631113	20mm
38 631068	14 STUD LINK
38 631092	16 STUD LINK
38 631098	18 STUD LINK
38 631104	19 STUD LINK
38 631110	20 STUD LINK
38 631053	1/2" STUD LINK
38 631056	13 ITALMET

Wartungskit

Code	Description
38 427806	KIT A - Seals
38 418476	KIT B - Screws
38 418500	KIT C - Pins
38 418575	KIT D - Circlips

Erhältliches Zubehör

- Fußtaster
- Sicherungs-automat
- Tastpaneel
- Kettenzähler
- Handfern-bedienung
- Funkfern-bedienung
- Kettenstopper



Weiteres Zubehör finden Sie ab Seite 516

CAPSTANS



The range of Lofrans capstans is designed for boats from 18 up to 150 feet. Capstans are normally installed on the stern of the boat for mooring operations and are used in recreational, fishing and commercial vessels.

They are normally installed on the vessel in addition to the anchor windlass, with the number of capstan units depending on the length and displacement of the vessel.

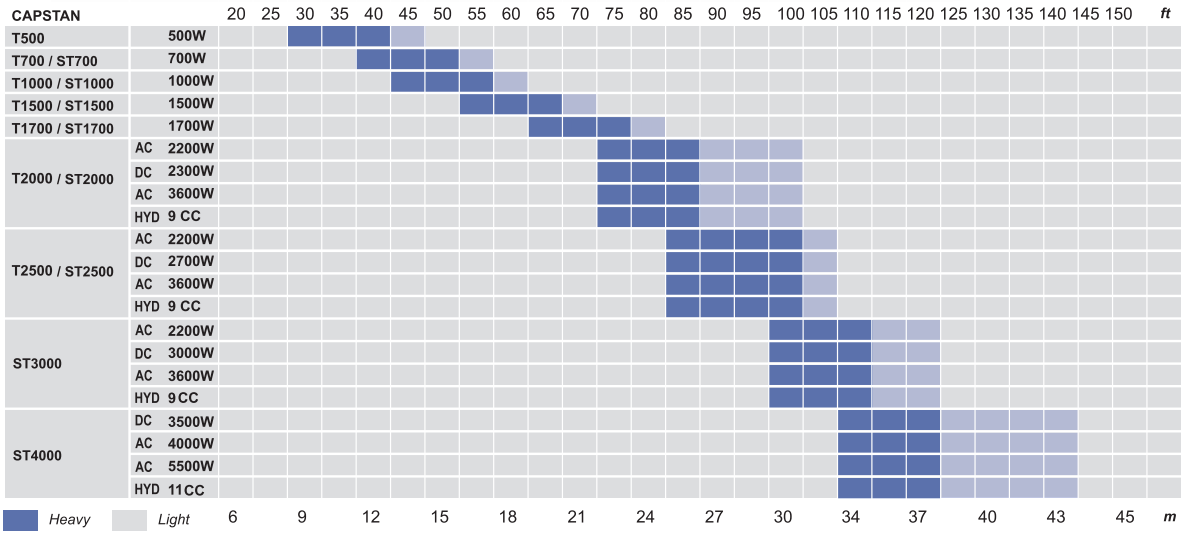
They are controlled by a pair of the foot switches close to the capstan, so that the operator can have his/her hands free for rope handling.

The construction is very similar to our vertical windlass range using the same mechanical components, giving strength and high performance by relying on Lofrans'- made worm screw gearbox.

The base is manufactured using chromed bronze, strong and long lasting, as are the drums, which have the proper surface to hold the rope and minimize wear.

The ST range has a base & a drum made in mirror polished AISI 3 16L stainless steel. The main structure of the gearbox is of a strong single-block construction, same as our big vertical anchor windlasses.

Available to operate with 12V DC, 24V DC as well as AC or hydraulic motors for the larger size/higher power models, they are designed to meet a wide range of user requirements.



THE ORIGINAL WINDLASS

T500-T700 - Capstan

Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Hochbelastbarer Elektromotor mit IP67 Standard
- Eloxierte Getriebeeinheit aus seewasser-beständigem Aluminium

3 Years Limited Warranty





Chromed Bronze

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Handfern-bedienung
- Funkfern-bedienung

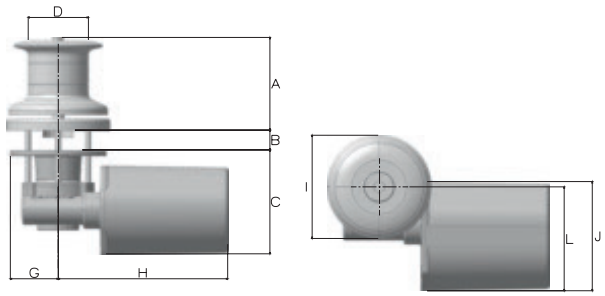




Weiteres Zubehör finden Sie ab Seite 516

Construction	Chromed bronze			Aluminium		
Model	**T500**	**T700**		**T500**	**T700**	
Motor size	**500 W**	**700 W**		**500 W**	**700 W**	
Power Supply (V)	12	12	24	12	12	24
Maximum Pull (kg)	670	850	900	630	850	900
Working load (kg)	85	115	125	85	115	125
Amps at Working Load (A)	75	110	50	75	110	50
Line Speed at Working Load (m/min)	23	20	23	23	20	23
Max Line Speed (m/min)	26	30	30	26	30	30
Net Weight with Drum (kg)	11	15	15	9	15	15
Circuit Breaker (available separatly)	**38 187331**	**38 187331**	**38 187332**	**38 187331**	**38 187331**	**38 187332**
Control Box	Included in package					
Code	**38 409130**	**38 220006**	**38 418159**	**38 409563**	**38 411129**	**38 600779**

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
T500	90	18-30	111	Ø60	55	236	Ø115	110	121
T700	135	25-40	150	Ø92	62	256	Ø155	134	157

KIT A - SEALS

Code	For CAPSTANS
38 418410	T500
38 418411	T700 - T1000

KIT B - SCREWS

Code	For CAPSTANS
38 418446	T500
38 418410	T500

KIT C - PINS

Code	For CAPSTANS
38 418483	T500

KIT D - CIRCLIPS

Code	For CAPSTANS
38 418512	T500
38 418513	T700 - T1000

Weiteres Zubehör finden Sie ab Seite 516

T1000-T1500-T1700 - Capstan

3 Years Limited Warranty *



Chromed Bronze



Aluminium

IP67 rated heavy duty electric motor (T1500)

Erhältliches Zubehör

- Fußtaster
- Sicherungsautomat
- Tastpaneel
- Handfern-bedienung
- Funkfern-bedienung

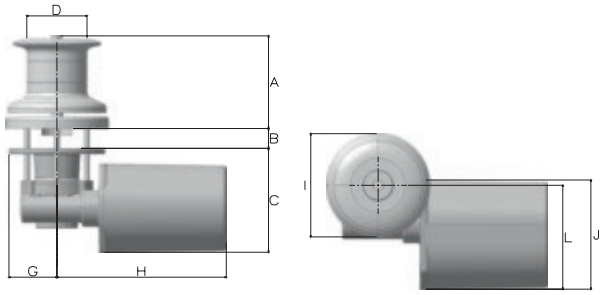




Weiteres Zubehör finden Sie ab Seite 516

Construction	Chromed bronze						Aluminium					
Model	**T1000**		**T1500**		**T1700**		**T1000**		**T1500**		**T1700**	
Motor size	**1000 W**		**1500 W**		**1700 W**		**1000 W**		**1500 W**		**1700 W**	
Power Supply (V)	12	24	12	24	12	24	12	24	12	24	12	24
Maximum Pull (kg)	1000	1060	1200	1270	1600	1695	1000	1060	1200	1270	1600	1695
Working load (kg)	150	160	165	165	200	215	150	160	165	165	200	215
Amps at Working Load (A)	135	70	150	75	180	90	135	70	150	75	180	90
Line Speed at Working Load (m/min)	20	23	17	19	14	15	20	23	17	19	14	15
Max Line Speed (m/min)	40	40	40	40	32	32	40	40	40	40	32	32
Net Weight with Drum (kg)	21	21	27	27	30	30	16	16	18	18	25	25
Circuit Breaker (available separatly)	**38 187333**	**38 187332**	**38 187333**	**38 18732**	**38 187334**	**38 187332**	**38 187333**	**38 187332**	**38 187333**	**38 187332**	**38 187334**	**38 187332**
Control Box	Included in package											
Code	**38 417946**	**38 187324**	**38 220014**	**38 418161**	**38 472407**	**38 187326**	**38 409564**	**38 409567**	**38 600058**	**38 600062**	**38 600066**	**38 600069**

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
T1000	135	25-40	150	Ø92	62	256	Ø155	134	157
T1500	162	50-70	160	Ø104	73	236	Ø191	165	157
T1700	162	50-70	165	Ø104	90	300	Ø191	Ø127	140

KIT A - SEALS

Code	For CAPSTANS
38 418411	T700 - T1000
38 418422	T1500 - T1700

KIT C - PINS

Code	For CAPSTANS
38 418487	T1500 - T1700

KIT D - CIRCLIPS

Code	For CAPSTANS
38 418513	T700 - T1000
38 418514	T1500 - T1700

THE ORIGINAL WINDLASS

Stainless Steel

ST1000 - ST1500 - ST1700

Capstan

3 Years Limited Warranty

new



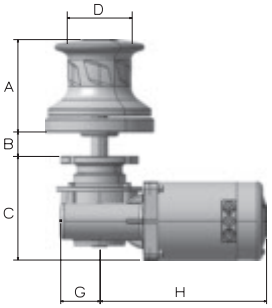
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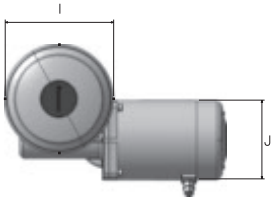


Trommel und Basis aus AISI 316L Edelstahl

Construction	Stainless Steel		
Model	**ST1000**	**ST1500**	**ST1700**
Motor size	**1000 W**	**1500 W**	**1700 W**
Power Supply (V)	24	24	24
Maximum Pull (kg)	1060	1270	1695
Working load (kg)	160	165	215
Amps at Working Load (A)	70	75	90
Line Speed at Working Load (m/min)	23	19	15
Max Line Speed (m/min)	40	40	32
Net Weight with Drum (kg)	21	27	30
Circuit Breaker (available separatly)	**38 636088**	**38 636088**	**38 187332**
Control Box	Included in package		
Code	**38 636297**	**38 636298**	**38 636299**

Dimensions in mm

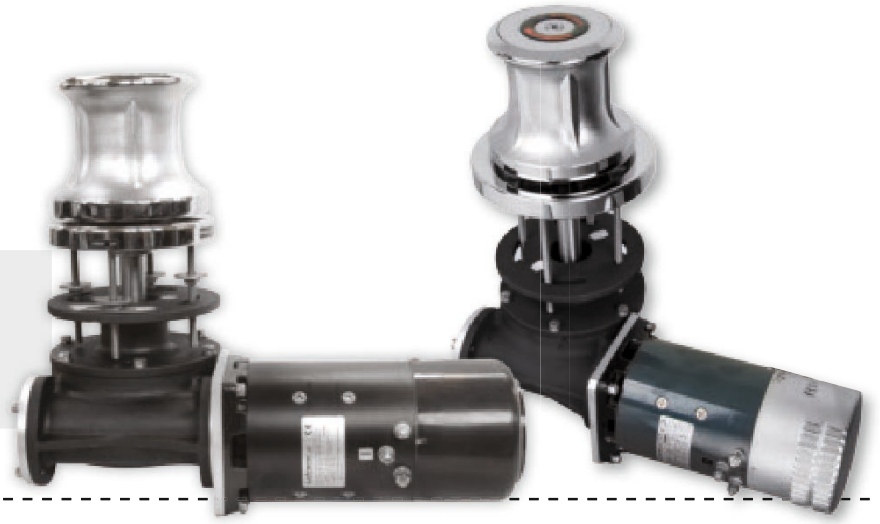




Model	A	B	C	D	G	H	I	J	L
ST1000	134	25-40	150	91	62	256	157	134	157
ST1500	164	50-70	160	97	73	236	170	165	157
ST1700	164	50-70	165	97	90	300	170	127	140

T2000 - T2500 - Capstan

3 Years Limited Warranty ★



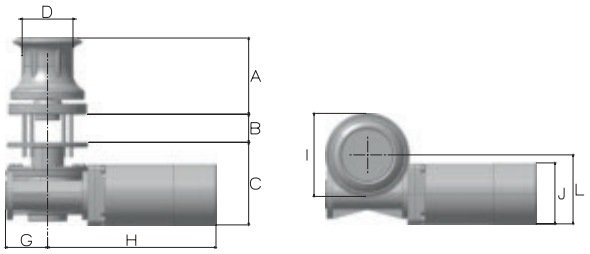
Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Hochbelastbarer Elektromotor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium

Construction	Chromed bronze						
Model	T2000				T2500		
Motor size	2200 W	2300 W		Hydraulic - 9cc	2200 W	2700 W	Hydraulic - 9cc
Type**	cw	cw	ccw	cw	cw	cw	cw
Power Supply (V)	230-400	24	24	-	230-400	24	-
Maximum Pull (kg)	2200	2000	2000	2500	2200	2400	2500
Working load (kg)	595	545	545	680	595	650	680
Amps at Working Load (A)	-	180	180	-	-	210	-
Line Speed at Working Load (m/min)	15	15	15	15	15	15	15
Max Line Speed (m/min)	15	31	31	15	15	31	15
Net Weight with Drum (kg)	52	52	52	40	52	53	40
Hydraulic Pressure (bar)	-	-	-	200	-	-	200
Hydraulic Flow (lt/min)	-	-	-	32	-	-	32
Control Box	600095	Included in package		-	600095	Included in package	-
Code	38 600071	38 404967	38 600729	38 602140	38 600070	38 476239	38 602168

** cw: the capstan pulls clockwise ccw: the capstan pulls counter clockwise*

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
T2000	190	60-90	212	Ø125	105	420	Ø194	Ø152	176
T2500	191	90-130	212	Ø125	105	420	Ø230	Ø152	172

Kits

Code	Description
38 418399	KIT A - Seals
38 418488	KIT C - Pins

Code	Description
38 418515	KIT D - Circlips

THE ORIGINAL WINDLASS

Stainless Steel

ST2000 - ST2500

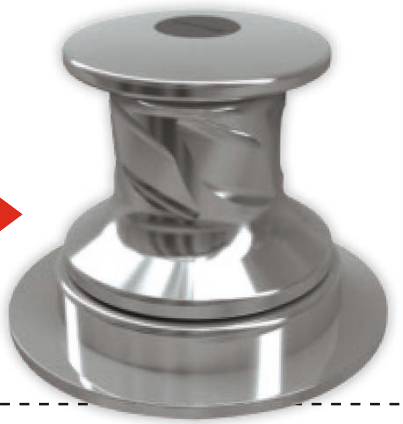
Capstan

3 Years Limited Warranty ★

new



new



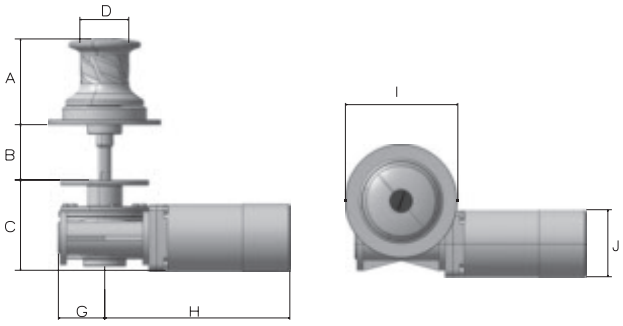
Trommel und Basis aus AISI 316L Edelstahl

Construction	Stainless Steel				
Model	ST2000		ST2500		
Motor size	2300 W		2200 W	2700 W	Hydraulic - 9cc
Type**	cw	ccw	cw	cw	cw
Power Supply (V)	24	24	230-400	24	-
Maximum Pull (kg)	2000	2000	2200	2400	2500
Working load (kg)	545	545	595	650	680
Amps at Working Load (A)	180	180	-	210	-
Line Speed at Working Load (m/min)	15	15	15	15	15
Max Line Speed (m/min)	31	31	15	31	15
Net Weight with Drum (kg)	52	52	52	53	40
Hydraulic Pressure (bar)	-	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	-	32
Control Box	Included in package		600095	Included in package	-

Code	38 636300	38 636301	38 636302	38 636303	38 636304

** cw: the capstan pulls clockwise ccw: the capstan pulls counter clockwise

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
ST2000	187	60-90	212	110	105	420	190	152	176
ST2500	194	60-90	212	110	105	420	255	152	172

Stainless Steel

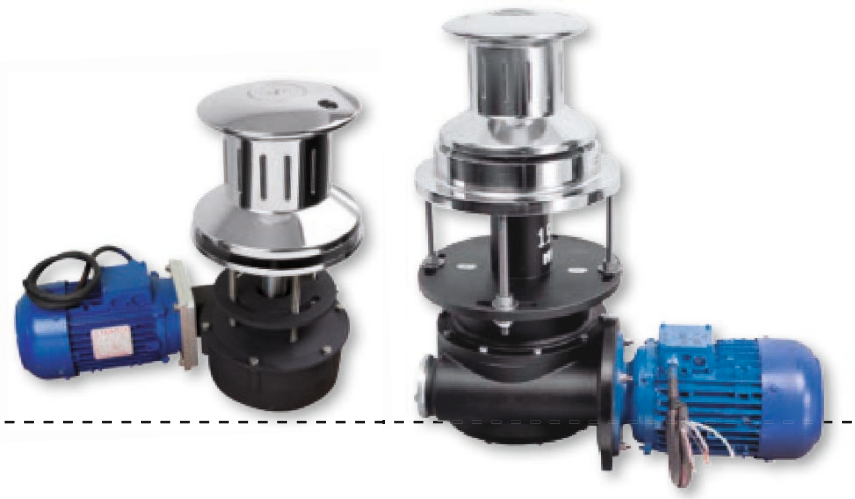
ST3000 - ST4000

Capstan

3 Years Limited Warranty ★

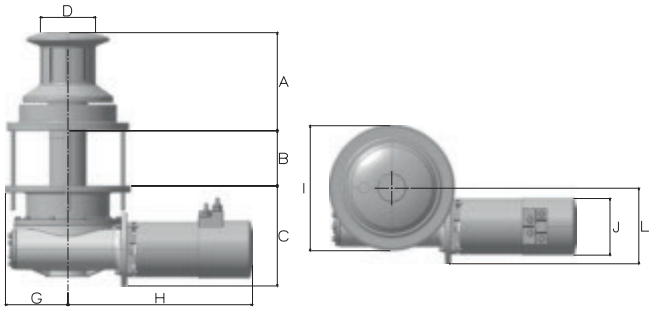
Hauptmerkmale

- Elegante Trommel und Basis aus Edelstahl
- Hochbelastbarer Elektromotor
- Eloxierte Getriebeeinheit aus seewasserbeständigem Aluminium



Construction	316 L Stainless Steel						
Model	**ST3000**				**ST4000**		
Motor size	**2200 W**	**3000 W**	**3600 W**	**Hydraulic - 9cc**	**3500 W**	**4000 W**	**5500 W**
Power Supply (V)	400	24	400	-	24	400	400
Maximum Pull (kg)	3000	3000	3500	2500	5500	5000	5000
Working load (kg)	815	600	950	680	690	850	1550
Amps at Working Load (A)	-	210	210	-	215	-	-
Line Speed at Working Load (m/min)	16	14	14	17	10	10	11
Max Line Speed (m/min)	16	27	27	17	15	10	11
Net Weight with Drum (kg)	75	75	75	40	120	120	105
Hydraulic Pressure (bar)	-	-	-	200	-	-	200
Hydraulic Flow (lt/min)	-	-	-	32	-	-	40
Control Box	600095	Included in package	600096	-	Included in package	600096	600093
Code	**38 600767**	**38 602187**	**38 602196**	**38 602189**	**38 600077**	**38 600771**	**38 423284**

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
ST3000	206	60-90	190	Ø150	142	436	Ø255	Ø152	190
ST4000	267	150	272	Ø150	170	502	Ø340	Ø154	206

THE ORIGINAL WINDLASS

Recovery Capstan

CETO TENDER WINCH

The new CETO model is a unit built for the professional fishermen used for retrieving clam fishing baskets.
They are assembled using a heavy duty electric motor and gearbox, with the motor contained in an IP67 rated cover to be protected from humidity and sea water, and by a strong aluminum drum able to contain approximately 20 meters of fine rope.
They are available at a power rating of 1000W at 12V or 24V.
The drum is driven by use of a high torque worm gear box with the gear case made in black anodized marine aluminum. The gears are made of special bronze and steel in order to withstand the high stress during the intensive use of such an operation.
The top part is made by a simple construction of a anodized marine aluminum for the base and drum, and a stainless steel AISI 431 shaft.

The Tender Winch models are units designed to recover a small tender or a jet ski.
They are assembled using a heavy duty electric motor and gearbox, with the motor contained in an IP67 rated cover to be protected from humidity and sea water, and by a strong aluminum drum able to contain the necessary belt.
They are available at a power rating of 700W at 12V or 24V.
The drum is driven by use of a high torque worm gear box with the gear case made in black anodized marine aluminum. The gears are made of special bronze and steel in order to withstand the high stress during operation.
The top part is made by a simple construction of a anodized marine aluminum for the base and drum, and a stainless steel AISI 431 shaft.

3 Years Limited Warranty



Hochbelastbarer Elektromotor mit IP67 Standard

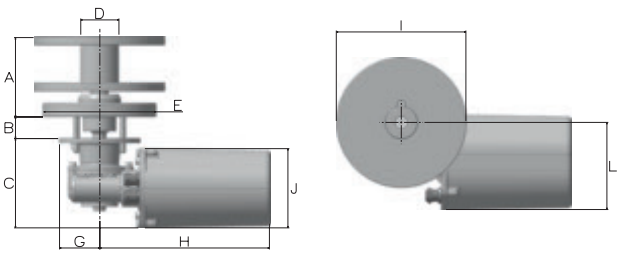
3 Years Limited Warranty



Construction	Marine anodised aluminum
Motor size	**1000 W**
Power Supply (V)	12V
Maximum Pull (kg)	850
Working load (kg)	175
Amps at Working Load (A)	165
Line Speed at Working Load (m/min)	15
Max Line Speed (m/min)	15
Net Weight with Drum (kg)	16
Circuit Breaker (available separatly)	187333
Control Box	Included in package
Code	**38 635999**

Construction	Marine anodised aluminum	
Motor size	**700 W**	**800 W**
Power Supply (V)	24V	12V
Maximum Pull (kg)	600	550
Working load (kg)	125	125
Amps at Working Load (A)	80	150
Line Speed at Working Load (m/min)	15	15
Max Line Speed (m/min)	20	20
Net Weight with Drum (kg)	9	9
Circuit Breaker (available separatly)	187331	187332
Control Box	Included in package	
Code	**38 602123**	**38 602122**

Dimensions in mm



Model	A	B	C	D	G	H	I	J	L
1000W	180	25-40	150	Ø60	72,5	256	Ø200	134	157

Model	A	B	C	D	E	G	H	I	J	L
500W	96	18-30	124	Ø40	Ø114	56	236	Ø145	110	121
700W / 800W	110	18-30	124	Ø53	Ø156	56	236	Ø180	110	121

CHAIN STOPPER

The **chain stopper** is installed between the windlass and the bow roller in order to take the load off the windlass, either when the yacht is anchored or tensioning the anchor chain when the anchor is stowed.
Windlasses which have two gypsies or a gypsy and a drum, need the chain stopper in order to isolate the one gypsy and either work with the other gypsy or with the drum.

Lofrans' chain stopper, stainless steel, for ISO/DIN chain 8/10/12mm

Code....**38 636257**



LOFRANS' Chain stopper, stainless steel, for ISO/DIN chain 12/13/14/16mm

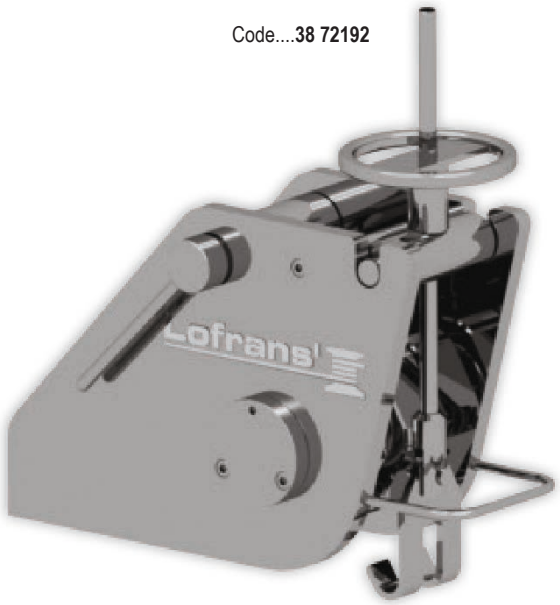
Code....**38 72191**





Lofrans' Chain roller-stopper with tensioner, stainless steel, for ISO/DIN/studlink chain 14/16mm

Code....**38 72192**



Chain stopper 8-10-12 mm chains Best-Nr. 38 636257
- Chain stopper is designed to be used with chain size 8/10/12mm short link chain.
- This model provides an increased safety by blocking the anchor chain.
- AISI 316L Stainless steel

Chain stopper 12-13-14-16 mm chains Best-Nr. 38 72191
- Chain stopper is designed to be used with chain size 12/13/14/16mm short link chain.
- This model provides an increased safety by blocking the anchor chain.
- AISI 316L Stainless steel

Chain stopper 14-16 mm chains Best-Nr. 38 72192
- Chain stopper is designed to be used with chain size 14 / 16 / 17.5 mm stud link chain and 16mm short link chain.
- This model provides an increased safety by holding and blocking the chain and the anchor at the same time.
- AISI 316L Stainless steel
- Integrated devils claw for taking up the chain tension off the windlass.

THE ORIGINAL WINDLASS

ZEUS RANGE

Zeus Range – die Sonderanfertigung für MegaYachten

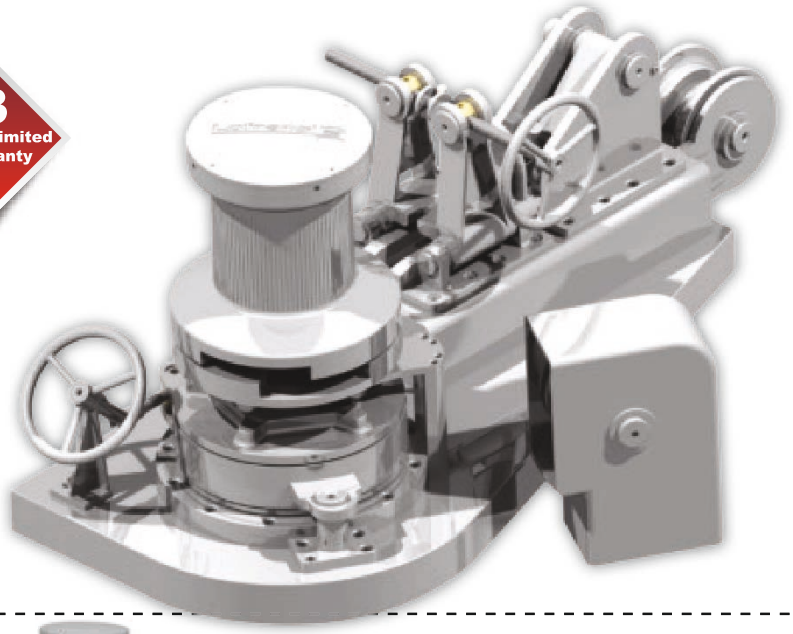
- Teilweise oder komplette Fertigung von horizontalen Ankerwinden für Yachten über 45 Meter Länge
- Elektrisch oder hydraulisch betrieben, leistungsstark, neueste Motoren-technologie für den Marineeinsatz
- Leistungsstarkes Planeten-Getriebe
- Sichtbare Teile aus AISI 316L Edel-stahl gefertigt
- Unabhängiger Betrieb von Ketten-nuss und Verholspill möglich
- Maximale Zugkraft bis 12.000 Kilogramm



Model	150	165	180	195	210	225	240	260	280	295	310	330	345	360	390	425	ft
ZEUS 5500	■	■	■	■													
ZEUS 7500				■	■	■	■										
ZEUS 9500							■	■	■	■	■						
ZEUS 12000											■	■	■	■	■	■	
Heavy	45	50	55	60	65	70	75	80	85	90	95	100	105	110	120	130	m

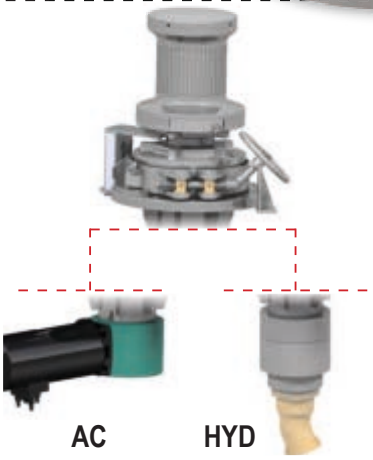
Notes: ** All ZEUS windlasses are subject to customized solution ** Mention that ZEUS range goes customized to 42mm STDL chain*

ZEUS - Vertical Windlass



3 Years Limited Warranty *

zertifiziert für:

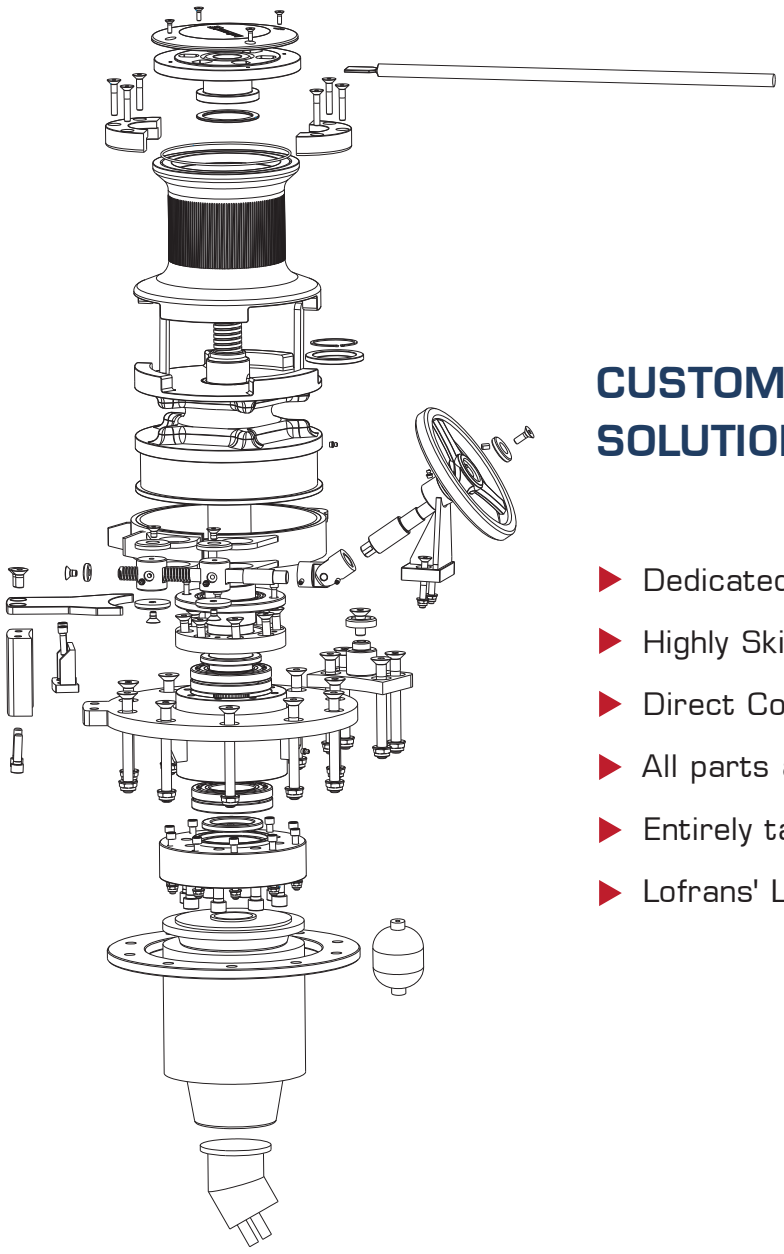


Model Type ZEUS	Gypsy For Stud-link Chain	Control Box	Line Speed at W.L.	Max Line Speed	Maximum Pull	Working Load	Motor Size
5500 AC / HYD	20mm	Switchboard available separately	11 m/min	19 m/min	5000 kg	2100 kg	5,5 kW
5500 AC / HYD	22mm				5400 kg	3000 kg	7,5 kW
5500 AC / HYD	24mm				6000 kg	3600 kg	9 kW
7500 AC / HYD	24mm				7700 kg	5500 kg	11 kW
7500 AC / HYD	26mm				8000 kg	5500 kg	11 kW
7500 AC / HYD	28mm				8500 kg	7000 kg	15 kW
9500 AC / HYD	28mm				9200 kg	7000 kg	15 kW
9500 AC / HYD	30mm				9200 kg	7000 kg	15 kW
9500 AC / HYD	32mm				10500 kg	9000 kg	18,2 kW
12000 AC / HYD	32mm				12600 kg	10200 kg	22 kW
12000 AC / HYD	34mm				12600 kg	10200 kg	22 kW

Artikelnummer auf Anfrage



THE ORIGINAL WINDLASS



CUSTOM & SEMI CUSTOM SOLUTIONS

- Dedicated Project Manager
- Highly Skilled R&D Team
- Direct Communication
- All parts are custom made
- Entirely tailor made solution
- Lofrans' Legendary Quality & Endurance



Control Switch

2 Years Limited Warranty

TYPE "L"

This switch, usually installed on the cockpit, is made by a fixing plaque and by a three position switch (Up-Off-Down).

Code | 38 404728





TYPE "C"

This rocker switch has a modern and practical design. It is reliable and watertight and it is supplied with the apposite case to make simple and sure the installation.

Code | 38 187338

Kits *for big Models & Capstans*

KIT A - SEALS

Code	For WINDLASS
38 474013	X4 & PROJECT 2000
38 418428	ERCOLE VERTICAL
38 418403	TITAN
38 418423	ERCOLE
38 427806	SUPER ERCOLE
38 418410	T500
38 418411	T700 - T1000
38 418422	T1500 - T1700
38 418399	T2000 - T2500

KIT B - SCREWS

Code	For WINDLASS
38 474012	X4 & PROJECT 2000
38 418475	ERCOLE VERTICAL
38 418457	TITAN
38 418472	ERCOLE
38 418476	SUPER ERCOLE
38 418446	T500

KIT C - PINS

Code	For WINDLASS
38 474011	X4 & PROJECT 2000
38 418499	ERCOLE VERTICAL
38 418493	TITAN
38 418494	ERCOLE
38 418500	SUPER ERCOLE
38 418483	T500
38 418487	T1500 - T1700

KIT D - CIRCLIPS

Code	For WINDLASS
38 474010	X4 & PROJECT 2000
38 418556	ERCOLE VERTICAL
38 418553	TITAN
38 418555	ERCOLE
38 418575	SUPER ERCOLE
38 418512	T500
38 418513	T700 - T1000
38 418514	T1500 - T1700
38 418515	T2000 - T2500

KIT F - FINGERS

Code	For WINDLASS
38 474023	X1, X2 & PROJECT 1000
38 474017	X3 & PROJECT 1500
38 601047	X2
38 602105	X3
38 35036	DORADO
38 632116	ATLAS

KIT S - MAGNETIC SENSORS

Code	For WINDLASS
38 474053	X1, X2 & X3
38 600033	X4
38 474048	for all horizontal windlasses

Circuit Breaker

2 Years Limited Warranty

The thermal circuit breaker is an essential component of the electric plant. It has three functions:
- protects from very dangerous short circuits
- protects the electric motor of the windlass
- interrupts tension to windlass when desired

In case of short circuit the intervention is immediate. Concerning the electric motor a specific intervention curve has been studied in cooperation with E-T-A Germany. It is possible to re-activate the circuit breaker at the end of the intervention. The thermal circuit braker is supplied with an elegant plaque for fixing and a led light. This unit is in compliance with EEC regulations and homologated by Bureau, Veritas.



	35 A	40 A	70 A	80 A	100 A	125 A
Thermal	38 187331	-	38 187332	-	38 187333	38 187334
Hydraulic	-	38 600029	-	38 630616	38 600028	-

Zur Montage im Schaltpanel

new

Thermal Circuit Breaker

Surface Mounted

2 Years Limited Warranty

The thermal circuit breaker is an essential component of the electric plant. It has three functions:
- protects from very dangerous short circuits
- protects the electric motor of the windlass
- interrupts tension to windlass when desired

In case of short circuit the intervention is immediate.



	40 A	70 A	100 A	110 A	120 A	150 A
Thermal	38 636087	38 636088	38 636089	38 636090	38 636091	38 636092

Zur freien Montage

THE ORIGINAL WINDLASS

Maintenance Kit

KEEP YOUR LOFRANS' AS GOOD AS NEW!

Code	For WINDLASS
38 72036	X0
38 72037	X1
38 72038	X2 & PROJECT 1000
38 72039	X2 ALU
38 72040	X3, X3 ALU & PROJECT 1500
38 72046	ROYAL
38 72047	DORADO
38 72048	KOBRA & CAYMAN
38 72050	TIGRES
38 72051	FALKON
38 72045	ATLAS

Please refer to our website for Kit Contents



Exploded diagram



Foot switch



This device is a switch which works simply pushing the foot on the button. The base is in stainless steel while the cover to prevent accidental engagement is in composite. The button is in special marine rubber able to withstand UV ray and the marine environment. Availble in UP and DOWN version

Code	38 600012	38 600011	38 602121
Description	Black / Grey	Red / Grey	Blue / WASH DOWN
Voltage	12 - 24Vdc		
Operative temperature	-10 : +60		
IP protection rated	67		
Max contacts amperage (A)	5		
Weight (gr)	100		
Dimension (mm)	80x95x20		

2 Years Limited Warranty *

new INOX Foot switch



This device, made by marine stainless steel (INOX), is a switch that works simply by pushing the foot on the button.

Code	38 636075	38 636074
Description	Black / INOX	Red / INOX
Voltage	12 - 24Vdc	
Operative temperature	-10 : +60	
IP protection rated	67	
Max contacts amperage (A)	5	
Weight (gr)	250	
Dimension (mm)	80x95x20	

Control Box Solenoids for DC



The Control Box is an electric unit made up of two remote control switches enclosed inside a special container which protects it from marine corrosion. The entire unit has been designed with a view to simplifying and speeding up the various electrical connections. For this purpose there is no need to open and/or pierce the container, as all the terminals and the panel for the electrical connections are perfectly accessible from the outside. Outer construction in self-extinguishing polyester resin, resistant to shock and marine corrosion. Degree of protection IP 56 - protection against deckwater.

Code	38 600018	38 600019	38 600020	38 602590	38 600021	38 600022	38 602587
Number of terminals	3	3	3	4	4	4	4
Power	12 V	24 V	24 V	12 V	12 V	24 V	24 V
Motor Size	500-1700 W	500-1700 W	1700-2300 W	500-700 W	1000-1700 W	500-1700 W	3500 W

2 Years Limited Warranty *

** Wiring diagrams depending on configuration and number of terminals (see page 63)*

Radio Remote Control

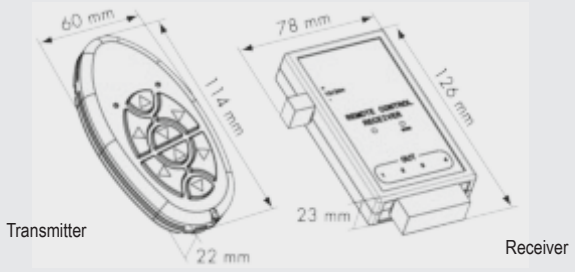


Mini Remote Control



Lofrans' radio remote control is designed to work with our range of windlasses. The remote control can also be used to operate other onboard equipment such as thrusters, passerelles, cranes, etc.

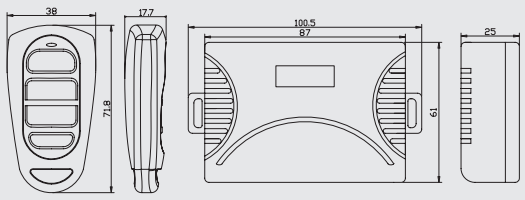
- Transmitter rated IP67
- Supports up to 8 independently controlled channels
- Each receiver can switch 4 channels (12/24 V - 2 A)
- Each transmitter can handle 2 receivers (8 channels)
- Digital recognition avoids accidental activation of other system
- Zero power consumption when in standby mode (transmitter)
- Easy to install and set up, simple to use



Code	38 312976
Description	Transmitter & Receiver (EU)
Frequency	868 MHz
Number of button	8 (Transmitter)
Voltage	12 - 24Vdc (Receiver)
Operative temperature	-10 : +60
IP protection rated	67 (Transmitter)
Max contacts amperage (A)	2 (Receiver)
Weight (gr)	310
Dimension (mm)	114x60x22(transmitter) / 126x78x23(receiver)

*** 868 MHz is the authorised frequency for Europe and Australia. 915 MHz is the authorised frequency for Canada and the USA. Retail sales and use of non-authorised frequency transmitters and receivers is prohibited. For all other countries please consult the local regulation in force.*

- Easy to install and setup, simple to use.
- Small form factor makes it ideal to carry it anywhere on-board.
- Supports up to 4 independently control channels (12/24V - 10A).
- Zero Power consumption when in standby (transmitter)
- Transmitter rated IP 67



Code	38 636305
Description	Transmitter & Receiver (EU/USA)
Frequency	433 MHz
Number of button	4
Voltage	12 - 24V (Receiver) 3V (Transmitter)
Operative temperature	-10 : +60
IP protection rated	IP 67
Max contacts amperage (A)	10
Weight (gr)	31 (Transmitter) / 95 (Receiver)
Dimension (mm)	71,8x38x17,7 (Transmitter) / 100,5x61x25 (Receiver)

THE ORIGINAL WINDLASS

ELECTRIC ACCESSORIES

The range of accessories consists of a large selection of productsto control windlass operations. All products are designed and built to guarantee perfect and reliable operation in the marine environment. Lofrans' Accessories are manufactured to the highest quality for reliability and safety, conforming to EC regulations covering electromagnetic compatibility (89/336/CEE). They are tested by official organizations for compliance to regulations and are CE marked.

For a windlass to function properly you will need to install:

• The **control box** unit which is supplied as standard, is made up of two solenoids included in a watertight box with an IP56 rating. Connecting the remote control to the control box is easily done by simply plugging the wiring onto the control box

• The **circuit breaker**, which offers three functions:
- Protection from short circuit
- Protection of the electric motor from current overload
- Voltage interruption when the anchor windlass needs to be switched off. The circuit breaker is installed on a panel and has an LED indicator.

• One or more electric controls which can be connected in parallel.

IRIS
CHAIN COUNTER



2 Years Limited Warranty ★

Panel Chaincounter IRIS

This fly bridge chain counter IRIS is technologically advanced instrument with an elegant and ergonomic design makes it suitable for all type of boat cockpits. IRIS is supplied with an evolved microprocessor, with different operations allowing an optimum anchoring.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Code	38 600017
Command transmission	Wire
Number of button	3
Voltage	12 - 24Vdc
Operative temperature	-10 : +60
IP protection rated*	67
Max contacts amperage (A)	2
Weight (gr)	500
Dimension (mm)	110x105x15 (5 flat version)

** When installed*

GALAXY 102
HAND HELD CONTROL



Hand Held Control GALAXY 102

This hand held remote control model GALAXY 102 has an elegant and functional design. The soft rubber case, which covers sideways the remote control, allows a safe and handy taking under any condition.
This hand held remote control is rated with IP66 and supplied with waterproof plug and socket rated IP67. The extending flexible cable (approximately 4 metres) gives the maximum freedom on board during anchoring manoeuvring.

- Inversion polarity protection
- Parallel connection
- 2 buttons (up-down)

Code	38 600013
Command transmission	Wire
Number of button	2
Voltage	12 - 24Vdc
Operative temperature	-10 : +60
IP protection rated	66
Max contacts amperage (A)	2
Weight (gr)	580
Dimension (mm)	155x65x45

THE ORIGINAL WINDLASS

GALAXY 703
CHAIN COUNTER



2 Years Limited Warranty

Radio Control Chaincounter GALAXY 703
Without cable ties, plug or panels and with load always perfect by rechargeable battery, the radio chain counter GALAXY 703 gives finally all the freedom of manoeuvres and the comfort of reading in the anchoring operations.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Code	38 600016
Command transmission	Remote
Number of button	3 (Transmitter)
Voltage	12 - 24Vdc (Receiver)
Operative temperature	-10 : +60
IP protection rated*	66 (Transmitter)
Max contacts amperage (A)	2 (Receiver)
Weight (gr)	480
Dimension (mm)	155x65x45 (Transmitter)

GALAXY 503
CHAIN COUNTER



Hand Held Remote Control Chaincounter GALAXY 503
This remote chain counter model GALAXY 503 has been specifically designed to give the full control in anchoring. It's a reliable and practical instrument, technologically advanced, specifically design for use in marine environments. The external casing, rated with IP66 and supplied with waterproof plug and socket rated IP67. The extending flexible cable (approximately 4 metres) gives the maximum freedom on board during anchoring manoeuvring. Provided with an evolved microprocessor that offers a series of advantages for full control of the anchoring.

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menu (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection

Code	38 600015
Command transmission	Wire
Number of button	3
Voltage	12 - 24Vdc
Operative temperature	-10 : +60
IP protection rated*	66
Max contacts amperage (A)	2
Weight (gr)	710
Dimension (mm)	155x65x45

HANDFERNBEDIENUNG

Diese Handfernbedienungen mit Spiralkabel (etwa 2,5 bis 3 Meter ausziehbar) eignen sich zum Bedienen von Ankerwinden, Winschen und Bugschrauben. Angeschlossen werden diese an ein entsprechend Ihres Motores ausgelegtes Doppelrelais, das jedoch nicht zum Lieferumfang der Handfernbedienung gehört.
Alle Handfernbedienungen werden von MZ electronic mit Stecker, Steckdose und Spiralkabel ausgeliefert.
Das Modell EV 200 verfügt über zwei Tasten (Heben und Senken), das Modell EV 300 über drei Tasten (Ein-Aus-Schalter, sowie Heben und Senken) und das Modell EV 400 über vier Taster für Ansteuerungen, wie Heben und Senken und Links Rechts.

Die Masse sind ca.: 145mm X 50mm X 22mm

Die Modelle NAUTI 600 verfügen über 6 Funktionstasten, das NAUTI800 Modell über 8 Funktionstasten.

Die Masse bei NAUTI sind ca.: 145mm X 60mm X 22mm

Typ / Modell	**Best.-Nr.**
EV 200	49EV200
EV300	49EV300
EV400	49EV400
NAUTI600	49NAUTI600
NAUTI800	49NAUTI800

EV200



EV300



NAUTI800



EV400



FERNBEDIENUNG MIT KETTENZÄHLWERK

Diese Handfernbedienung EV020 mit Spiralkabel (etwa 2,5 bis 3 Meter ausziehbar) eignet sich zum Bedienen von Ankerwinden und kann über einen Sensor (nicht im Lieferumfang enthalten) den Zählerstand Ihrer Ankerkette anzeigen. Alle Handfernbedienungen werden von MZ electronic mit Stecker, Steckdose und Spiralkabel ausgeliefert.
Das Modell EV 020 verfügt über drei Tasten (Ein-Aus-Schalter, sowie Heben und Senken) und ein Anzeigedisplay, das durch eine aufklappbare Klappe geschützt ist.
Das Zubehörkit umfasst einen separat bei der Kettennuss zu installierenden Sensor und Magneten, sowie Kabel zum Anschluß an einer entsprechenden Relaisbox (die Relaisbox gehört nicht zum Lieferumfang!). Einige Modelle von Lofrans' haben diesen Sensor bereits ab Werk vorinstalliert und daher wird dieses Kit nur als Zubehör angeboten, falls Ihre Winde dies nicht vorgerüstet hat.

Die Masse sind ca.: 145mm X 50mm X 22mm

Typ / Modell	**Best.-Nr.**
EV 020	49EV020
Zubehörkit	49NAUTI001

EV020



Weitere Ersatzteile, **passend für Lofrans' und MZ!**

BESCHREIBUNG	**Best.-Nr.**
a) Stecker 3 polig, Original Bulgin	**50PX0731/P**
b) Steckdose Aufbau 3 polig, Original Bulgin	**50PX0756/S**
b) Stecker Einbau 3 polig, Original Bulgin	**50PX0765/S**
a) Stecker 6 polig, Original Bulgin	**50PX0739/P**
b) Steckdose Aufbau 6 polig, Original Bulgin	**50PX0758/S**
b) Stecker Einbau 6 polig, Original Bulgin	**50PX0767/S**
Abdeckkappe für Bulgin Steckdosen (Innengewinde)	**50PX0733**
Abdeckkappe für Bulgin Stecker (Außengewinde)	**50PX0734**



EV040



FUNKFERNBEDIENUNG MIT KETTENZÄHLWERK

Diese Fernbedienung EV040 mit Funkübertragung der Signale eignet sich zum Bedienen von Ankerwinden und kann über einen Sensor (nicht im Lieferumfang enthalten) den Zählerstand Ihrer Ankerkette anzeigen. Dieses Modell von MZ electronic wird über das mitgelieferte Zigarettenanzünder-Ladekabel wieder aufgeladen.
Diese Deluxe Version verfügt über 5 Sprachmöglichkeiten im Anzeigemodus und im Display wird auch der Ladezustand des Akkus angezeigt.
Mehrer Menüpunkte sind individuell einzustellen, damit je nach Kettennussgröße bzw. Kettengröße auch die Anzeige korrekt ist.
Im Lieferumfang enthalten sind ein Handsender und eine Empfängereinheit in einer Box (ähnlich der Abbildung).
Bitte beachten Sie, dass zum Betrieb ein Doppelrelais vorhanden sein muss, die das Steuersignal über die Empfängereinheit dorthin überträgt. Dieses Doppelrelais ist nicht im Lieferumfang enthalten!
Das Modell EV 040 verfügt über drei Tasten (Ein-Aus-Schalter, sowie Heben und Senken) und ein Anzeigedisplay, das durch eine aufklappbare Klappe geschützt ist.
Das Zubehörkit umfasst einen separat bei der Kettennuss zu installierenden Sensor und Magneten, sowie Kabel zum Anschluß an der Empfängerboxeinheit (diese gehört nicht zum Lieferumfang des Zubehörkits). Einige Modelle von Lofrans' haben diesen Sensor bereits ab Werk vorinstalliert und daher wird dieses Kit nur als Zubehör angeboten, falls Ihre Winde dies nicht vorgerüstet hat.

Die Masse sind ca.: 145mm X 50mm X 22mm

Typ / Modell	**Best.-Nr.**
EV 040	49EV040
Zubehörkit	49NAUTI001

EV030



FERNBEDIENUNG MIT KETTENZÄHLWERK ZUM FESTEINBAU MIT KABEL ODER PER FUNKFERNBEDIENUNG

Diese Fernbedienung EV030 mit Kabelanschluss und EV030Radio mit Funkverbindung eignen sich zum Bedienen von Ankerwinden und zeigt über einen Sensor (nicht im Lieferumfang enthalten) den Zählerstand Ihrer Ankerkette an.
Diese Modelle verfügt über drei Tasten (Ein-Aus-Schalter, sowie Heben und Senken) und ein Anzeigedisplay.
Das Zubehörkit umfasst einen separat bei der Kettennuss zu installierenden Sensor und Magneten, sowie Kabel zum Anschluß an einer entsprechenden Relaisbox (die Relaisbox gehört nicht zum Lieferumfang!). Einige Modelle von Lofrans' haben diesen Sensor bereits ab Werk vorinstalliert und daher wird dieses Kit nur als Zubehör angeboten, falls Ihre Winde dies nicht vorgerüstet hat.

Die Masse sind ca.: 100mm X 100mm X 32mm

Typ / Modell	**Best.-Nr.**
EV 030	49EV030
EV 030 Radio	49EV030Radio
Zubehörkit	49NAUTI001

KOMPASS 4 KOMPASS 2



FERNBEDIENUNG MIT 2 BZW. 4 KANÄLEN

MZ electronic bietet ferner Fernbedienung mit Funkübertragung der Signale zum Bedienen von Ankerwinden, Winschen oder Bugschrauben an. Dies als Zweikanal (Heben und Senken) oder Vierkanalversion mit Hebe- und Senk-, sowie Links- und Rechts-Taster, sowie einem Ein- und Ausschalttaster. Im Lieferumfang enthalten sind ein Handsender und eine Empfängereinheit in einer Box.
Bitte beachten Sie, dass zum Betrieb ein Doppelrelais vorhanden sein muss, die das Steuersignal über die Empfängereinheit dorthin überträgt. Dieses Doppelrelais ist nicht im Lieferumfang enthalten!
Der Handsender ist kompakt gebaut, sendet auf der Frequenz 433,92 Mhz und ist nicht wasserdicht!

Typ / Modell	**Best.-Nr.**
KOMPASS-2	49KOMPASS-2
KOMPASS-4	49KOMPASS-4

GYPSIES





For Vertical Windlasses

For windlass	Chain Size	Gypsy Code
X1 & SX1	6mm ISO4565/DIN766	38 630970
	7mm ISO4565 - 1/4" G40	38 630980
	8mm ISO4565/DIN766	38 630999
X2 & SX2	6mm ISO4565/DIN766	38 630953
	8mm ISO4565/DIN766	38 630949
	10mm ISO4565	38 630951
	10mm DIN766	38 630955
X3 & SX3	8mm ISO4565/DIN766	38 630957
	10mm ISO4565	38 630951
	10mm ISO4565	38 630959
	10mm DIN766	38 630966
	12mm ISO4565 - 13mm DIN766	38 630961
SX3.5	10mm DIN766	38 631026
	10-3/8 HT (NICHELATO)	38 631024
	12-13mm DIN766	38 631045
	14 mm	38 631074
X4 & SX4	3/8" G40	38 631124
	7/16" HT	38 630992
	1/2" G40	38 631036
	10mm DIN766 3/8" BBB	38 631132
	10mm ISO4565 3/8" HT	38 631022
	12-13mm DIN766	38 631031
	13mm DIN764	38 631050
	14mm	38 631059
SX5	1/2" STUDLINK	38 631053
	12-13mm DIN766	38 631042
	14mm	38 631065
	14 STUDLINK	38 631071
Ercole Vertical	1/2" STUDLINK	38 631053
	12-13mm DIN766	38 631039
	13 ITALMET	38 631056
	13mm DIN764	38 631085
	14mm	38 631065
	14 STUDLINK	38 631068
	14,5 UNI4417	38 630989
	16mm ISO4565	38 631082
	16mm DIN766	38 631088
	16 STUDLINK	38 631092
	18 STUDLINK	38 631098
	18mm ISO4565	38 631101
Project 1000	6mm ISO4565/DIN766	38 630953
	8mm ISO4565/DIN766	38 630949
	10mm ISO4565	38 630951
	10mm DIN766	38 630955
Project 1500	8mm ISO4565/DIN766	38 630957
	10mm ISO4565	38 630951
	10mm ISO4565	38 630959
	10mm DIN766	38 630966
	12mm ISO4565 - 13mm DIN766	38 630961
Project 2000	5/16" HT	38 631129
	7/16" HT	38 630992
	1/2" G40	38 631036
	10mm DIN766 - 3/8" BBB	38 631132
	10mm ISO4565 - 3/8" HT	38 631022
	12-13mm DIN766	38 631031
	14mm	38 631059

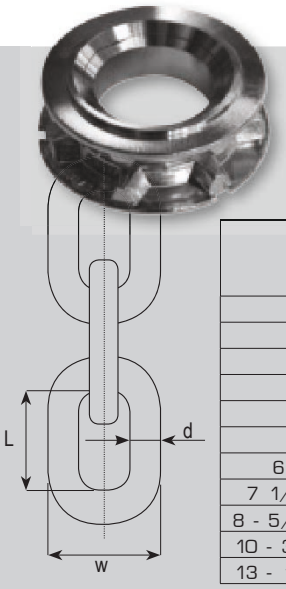
For Horizontal Windlasses

For windlass	Chain Size	Gypsy Code
Royal	5/16" HT	38 631077
	3/8" BBB	38 631120
	3/8" PC	38 631122
	6mm ISO4565/DIN766	38 630968
	7mm ISO4565 - 1/4" G40	38 630978
	8mm ISO4565/DIN766	38 630994
	10mm ISO4565 - 3/8" HT	38 631011
	10mm DIN766	38 631118
LION 1000	6mm ISO4565/DIN766	38 631005
	7mm ISO4565	38 631007
	8mm ISO4565/DIN766	38 631009
Dorado	6mm ISO4565/DIN766	38 630974
	7mm ISO4565 - 1/4" G40	38 630984
	8mm ISO4565/DIN766	38 631003
	Only ROPE gypsy	38 634877
Cayman	5/16" HT	38 631077
	3/8" BBB	38 631120
	3/8" PC	38 631122
	6mm ISO4565/DIN766	38 630968
	7mm ISO4565 - 1/4" G40	38 630978
	8mm ISO4565/DIN766	38 630994
	10mm ISO4565 - 3/8" HT	38 631011
	10mm DIN766	38 631118
Kobra	5/16" HT	38 631077
	3/8" BBB	38 631120
	3/8" PC	38 631122
	6mm ISO4565/DIN766	38 630968
	7mm ISO4565-1/4" G40	38 630978
	8mm ISO4565/DIN766	38 630994
	10mm ISO4565-3/8" HT	38 631011
	10mm DIN766	38 631118
Tigres	5/16" HT	38 631077
	3/8" BBB	38 631120
	3/8" PC	38 631122
	6mm ISO4565/DIN766	38 630968
	7mm ISO4565-1/4" G40	38 630978
	8mm ISO4565/DIN766	38 630994
	10mm ISO4565 - 3/8 HT	38 631011
	10mm DIN766	38 631118
	12mm ISO4565 - 13mm DIN766	38 631028
Falkon	5/16" HT	38 631129
	1/2" G40	38 631036
	8mm ISO4565/DIN766	38 630996
	10mm ISO4565-3/8 HT	38 631022
	10mm DIN 766 - 3/8" BBB	38 631132
	12-13mm DIN766	38 631031
Titan	3/8" G40	38 631124
	7/16" HT	38 630992
	1/2" G40	38 631036
	10mm ISO4565 - 3/8" HT	38 631022
	10mm DIN766 - 3/8" BBB	38 631132
	12-13mm DIN766	38 631031
	14mm	38 631059

THE ORIGINAL WINDLASS

For Horizontal Windlasses

For windlass	Chain Size	Gypsy Code
Super Ercole	*5/8" HT*	**38 630986**
	12-13mm DIN766	**38 631039**
	14mm	**38 631065**
	16mm ISO4565	**38 631082**
	16mm DIN766	**38 631088**
	16 STUDLINK	**38 631092**
	18mm DIN766	**38 631095**
	18 STUDLINK	**38 631098**
	18mm ISO4565	**38 631101**
	19 STUDLINK	**38 631104**
Ercole Horizontal	*1/2" STUDLINK*	**38 631053**
	12-13mm DIN766	**38 631039**
	13 ITALMET	**38 631056**
	14mm	**38 631065**
	16mm ISO4565	**38 631082**
	16mm DIN766	**38 631088**
	16 STUDLINK	**38 631092**
	18 STUDLINK	**38 631098**
	18mm ISO4565	**38 631101**



Chain Identification

CHAIN d	Inside Length L (mm)	Outside Width w (mm)
6 ISO	18	20
7 ISO	21	24
8 ISO	24	27
10 ISO	30	34
12 ISO	36	40
14 ISO	42	47
6 DIN 766	18.5	20
7 1/4" DIN 766	22	23
8 - 5/16" DIN 766	24	26
10 - 3/8" DIN 766	28	34
13 - 1/2" DIN 766	36	44

Chain Pipes for SX Series - Vertical Windlasses

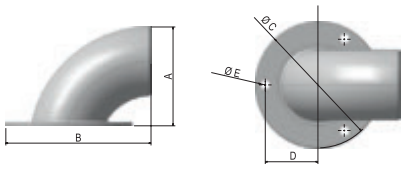
Stainless Steel

new

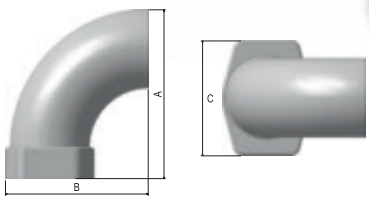


Code	38 636311	38 636312	38 636313	38 636314
for windlass	SX2 & SX3	SX3,5	SX4	SX5

Dimensions in mm



Model	Code	A	B	C	D	E
For **SX2 & SX3**	**38 636311**	86	127	Ø110	46	Ø8,5
For **SX3,5**	**38 636312**	114	165	Ø140	55	Ø10,5
For **SX4**	**38 636313**	125	163	Ø140	55	Ø10,5



Model	Code	A	B	C
For **SX5**	**38 636314**	191	161,5	130

SELECTING THE WINDLASS

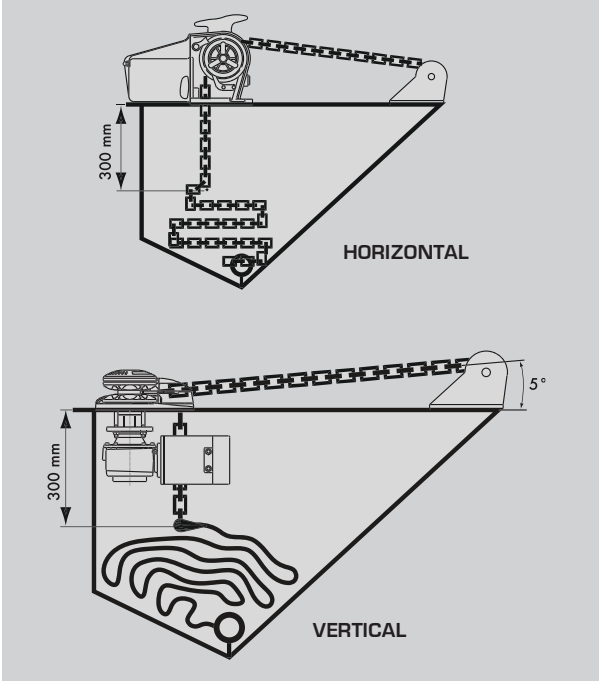
VERTICAL OR HORIZONTAL?

The space available on and under the deck is the main criteria to be considered when selecting a vertical or a horizontal windlass.

Vertical windlasses have main shaft rotation vertical to the deck and allowing a reduced use of space on deck while the electric motor and the gearbox are below deck, in the chain locker.

Horizontal windlasses are installed on deck and they have a rotation horizontal to the deck. They are recommended on vessels where there is a limitation to the chain locker space. The electric motor and the gearbox are protected by a cover and they are easily accessible for maintenance.

To help stowing of the chain in the chain locker and for better performance of the windlass, the distance between the top of the heaped chain and the underdeck must be at least 300 mm.



DC, AC OR HYDRAULIC?

The windlass can be supplied in three different ways of motorization: direct current, alternate current and hydraulic.
- D.C. motorization is the most popular for reliability. The maintenance is very limited and this kind of electric motor is used for vessels up to 90 feet of length.
- A.C. motorization is the choice for boats from 90 up to 120 feet of length which have generators on board. A.C. motors offer good torque; they need a simple installation and limited maintenance.
- Hydraulic motorization gives the advantage of supply a constant torque while the load changes. They are very popular on boats of over 120 feet length. They need a specific installation.

MAX PULL AND WORKING LOAD

Max pull is the maximum pull that the windlass is able to supply for a few seconds.
Working Load is a load which simulates the operating conditions.. This load is the reference for ampere drawing and the speed data indicated in the catalogue.

PROPER WINDLASS SELECTION

The steps to select a vertical or horizontal windlass are:
- Select the proper model checking the chart - windlass model length of the boat.
- Calculate the ground tackle which is made by anchor weight, total chain and rope weight on board.
- Ground tackle not to exceed the working load with a tolerance + 10%.

Eg sample on a boat of 42 feet

1. Calculation of the round tackle (anchor + rope + total chain)				
eg	Anchor	Chain 10 - 75mt - weight 2,2 kg/mt	Rope 25m/75ft	Ground tackle
	25g	165Kg	5Kg	190Kg

CIRCUIT BREAKER

The circuit breaker protects the electric motor and the cables of the windlass from current overload. It is installed on the power line and it trips automatically when the current is over the rated use following a specific time/ current curve. It is essential install this device for safety reasons.
The circuit breaker once tripped can be engaged again.
Choosing the proper circuit breaker is very important. You have to select the delayed time/current curve as the anchor windlass ampere drawing changes following the variable load.
Lofrans' does not recognize warranty in case of improper proper circuit breaker being installed.

SAFETY

The windlass is designed to lift the ground tackle but it is not designed to take the load of the whole boat. For this reason we strongly recommend the use of a chain stopper in order to spread the load and avoid to damage from overload on the structural components of the windlass.

MANUAL OVERRIDE

Most of the Lofrans' windlasses are supplied with manual override which makes the windlass able to recover the chain in case of failure of the electrics.
The manual override is inserted inside the gearbox and consists of a spring loaded ratchet which has the secondary function to make a sort of mechanical safety feature, in order to prevent chain jams in the chain locker from damaging the deck.

CLUTCH

In the Lofrans' anchor windlasses, the main shaft and the gypsi are connected by a pair of conical discs called clutches. They are normally engaged by screwing the top or side, star shaped nut. To engage or disengage the clutch you have to insert the supplied handle in this nut.
By disengaging the clutch, the gypsi is free to rotate and the weight of the anchor releases the rode into the water.

AUTOMATIC FREE FALL

On some horizontal anchor windlasses there is an installed optional device called AUTOMATIC FREE FALL. This device allows the user to disengage the clutch automatically simply by pushing the DOWN button of the remote.

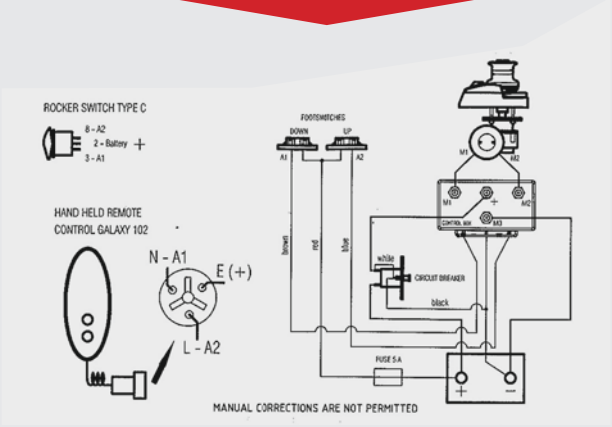
ROPE AND CHAIN MANAGEMENT

Most of the Lofrans anchor windlasses are able to manage rope and chain by a special spring load tension arm called finger which pushes the rope deeply inside the gypsi teeth.

Wiring diagrams depending on configuration and number of terminals

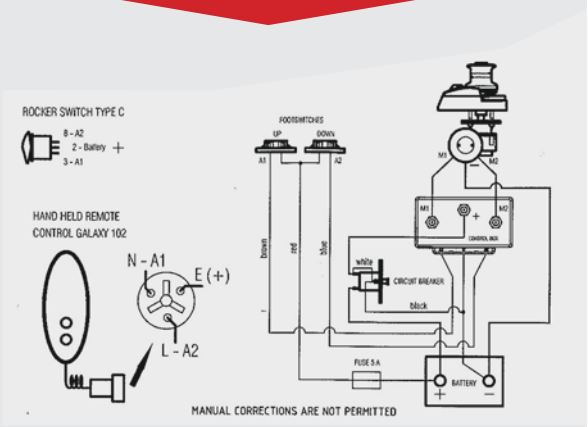
WIRRING DIAGRAM - 2 TERMINALS ELECTRIC MOTOR

Control Box Code: 600021 - 600022



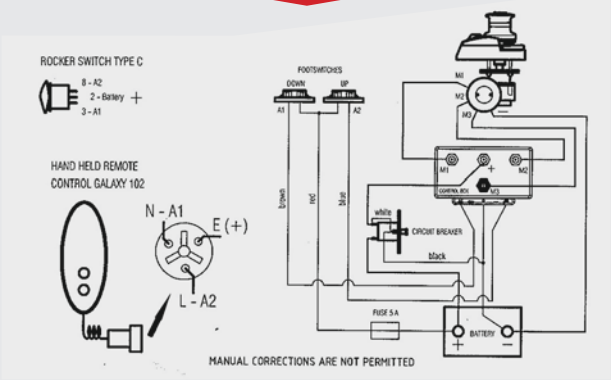
WIRRING DIAGRAM - 3 TERMINALS ELECTRIC MOTOR

Control Box Code: 600018 - 600019 - 600020

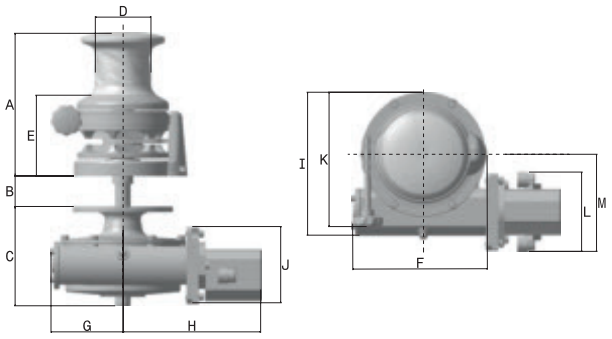


WIRRING DIAGRAM - 4 TERMINALS ELECTRIC MOTOR

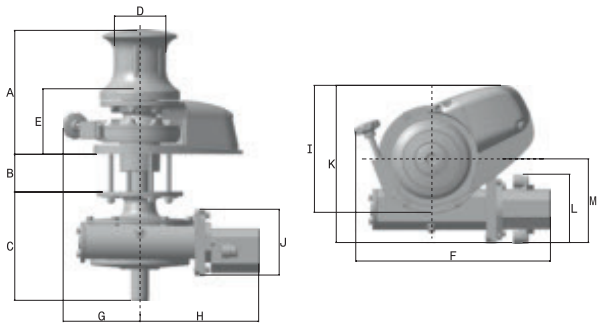
Control Box Code: 600021 - 600022



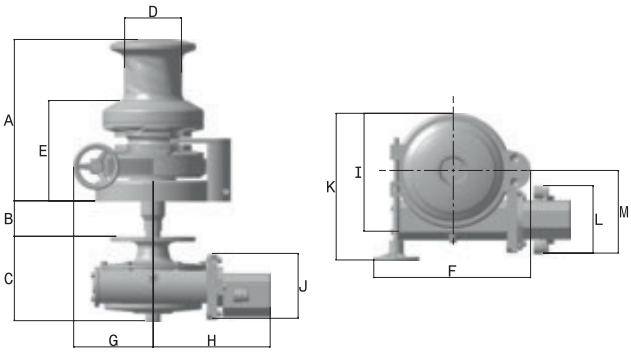
Hydraulic Models - Dimensions in mm



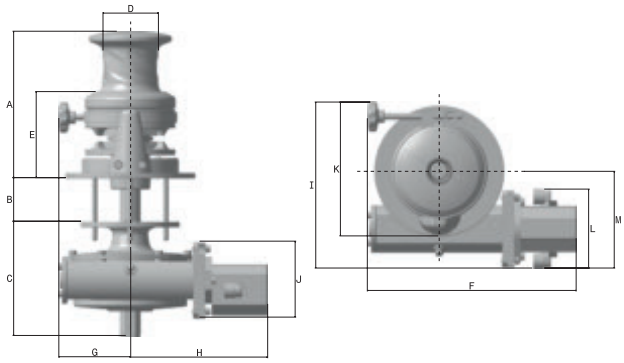
SX3,5	A	B	C	D	E	F	G	H	I	J	K	L	M
Hydraulic 8cc	281	60	195	Ø109	159	265	142	271	281	150	264	156	191



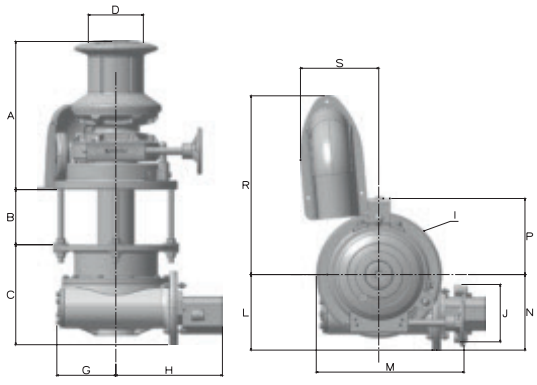
X4	A	B	C	D	E	F	G	H	I	J	K	L	M
Hydraulic 8cc	283	86	247	Ø117	150	444	176	541	290	150	359	156	191



SX5	A	B	C	D	E	F	G	H	I	J	K	L	M
Hydraulic 8cc	373	82	195	Ø131	232	362	184	271	272	150	339	156	191



SX4	A	B	C	D	E	F	G	H	I	J	K	L	M
Hydraulic 8cc	289	86	226	Ø109	170	412	142	541	328	150	264	156	191



Ercole Verticale	A	B	C	D	G	H	I	J	L	M	N	P	R	S
Hydraulic 11cc	400	150	272	150	160	290	340	156	205	405	205	205	min 490 - max 600	min 200 - max 230



ADVISOR

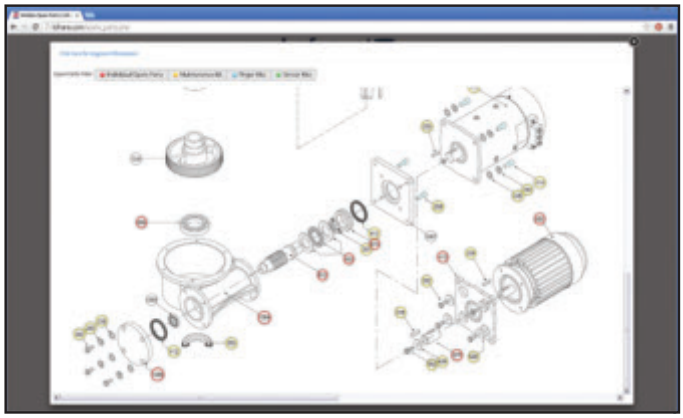
Up-to-date technical information



PRODUCTS

Comprehensive product selection

Easy spare part selection



Complete spare parts information



GLOBAL NETWORK

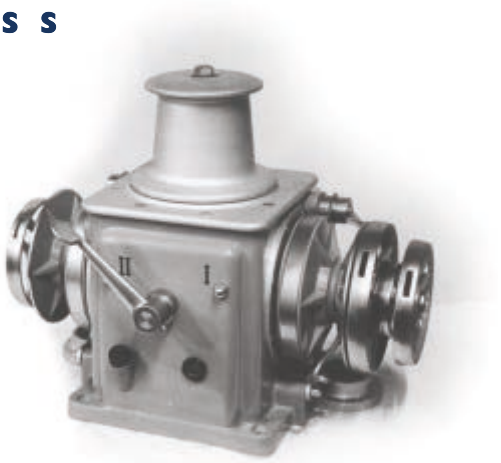
Lofrans' international representation



Lofrans'®

WINDLASSES

THE ORIGINAL WINDLASS



We have been making boating safer & easier since 1966



We have revived & reinvented customer satisfaction

