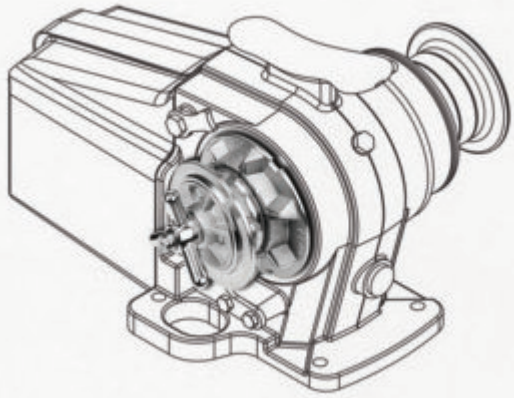
Pfeiffer Marine

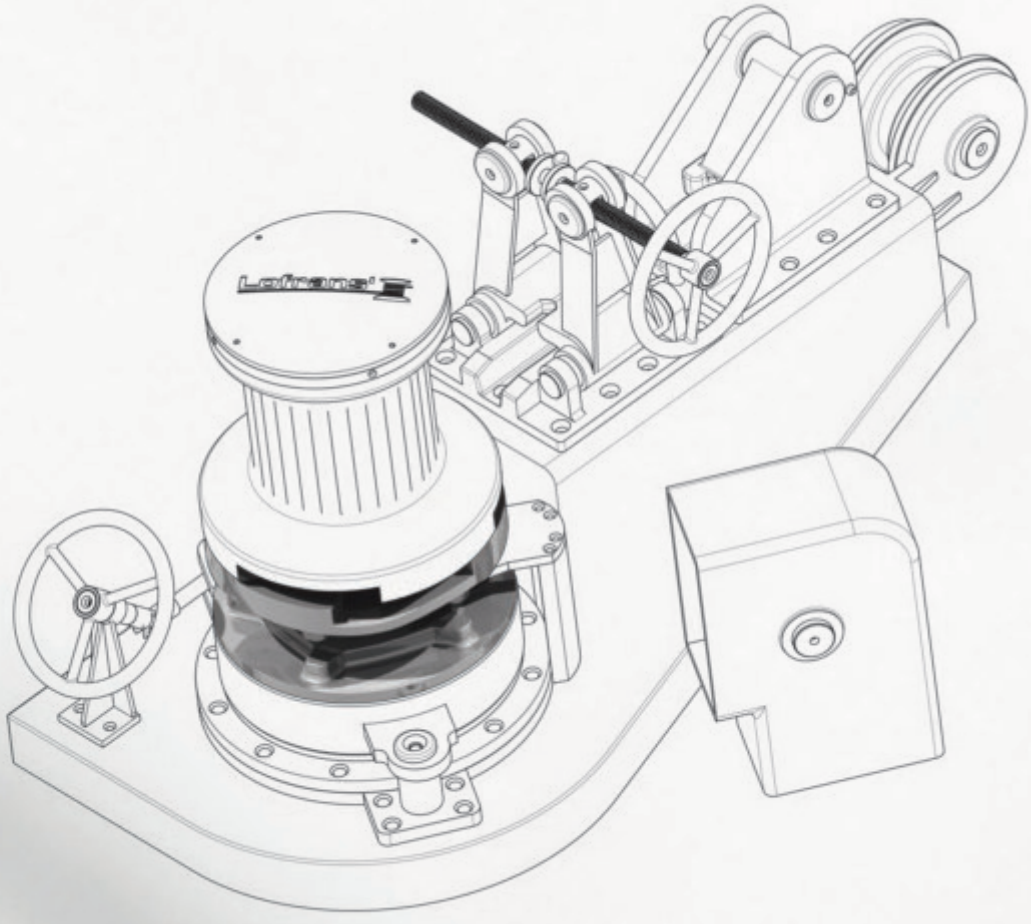
Katalog von

Lofrans'®
WINDLASSES
THE ORIGINAL WINDLASS

Lofrans' WINDLASSES

THE ORIGINAL WINDLASS









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 Berufsschifffahrt.
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.
Elektrische Winden stehen für eine komfortable Lösung an Bord. Durch das Bordstromnetz 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 gleichermaßen 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 Korrosionsbeständigkeit anzubieten hat.
Spezielle Veredelungsverfahren der Oberfläche 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.
Unschlagbar auch das geringe Gewicht bei einem sehr positiven Preis-Leistungsverhältnis.
Die klassischen Ankerwinden sind über Deck montiert und diese verfügen über einen horizontalen Antrieb. Gleichwohl bauen heute viele Werften auch diese Typen in den Ankerkasten ein.
Ein stabiles Gehäuse schützt dabei den Elektromotor, das Getriebe und die mechanischen Teile gegen Umwelteinflüsse.

CONTENTS

VERTICAL HORIZONTAL DECK HARDWARE & ACCESSORIES

400  X1

402  X2

404  X3

406  X4

409  ROYAL

410  new LION 1000

411  DORADO

412  CAYMAN

413  KOBRA

414  TIGRES

415  FALKON

416  TITAN

420  new ELECTRIC ACCESSORIES

422  ACCESSORIES

421  MAINTENANCE KITS

428  CHAINS

429  new GYPSIES & CHAIN PIPES

418  ERCOLE HORIZONTAL

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?

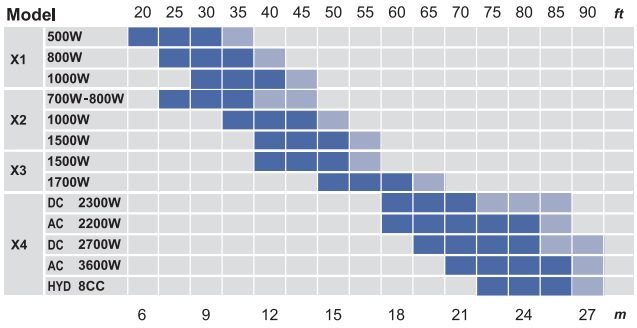
The windlass can be supplied in three different ways of motorization: direct current, alternate current and hydraulic.
- D.C. motorization is the most popular for reliability. The maintenance is very limited and this kind of electric motor is used for vessels up to 90 feet of length.
- A.C. motorization 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

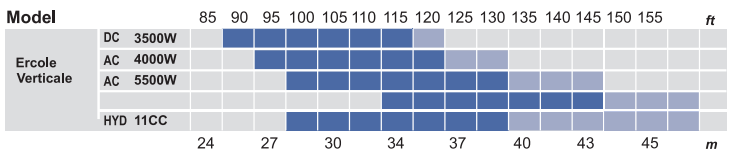
Max pull is the maximum pull that the windlass is able to supply for a few seconds.
Working Load is a load which simulates the operating conditions. This load is the reference for ampere drawing and the speed data indicated in the catalogue.

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

Weitere Modelle finden Sie hier.

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 *

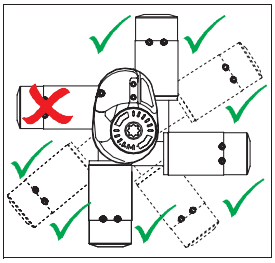


Von Lofrans entwickeltes Marine-Aluminium-Getriebe



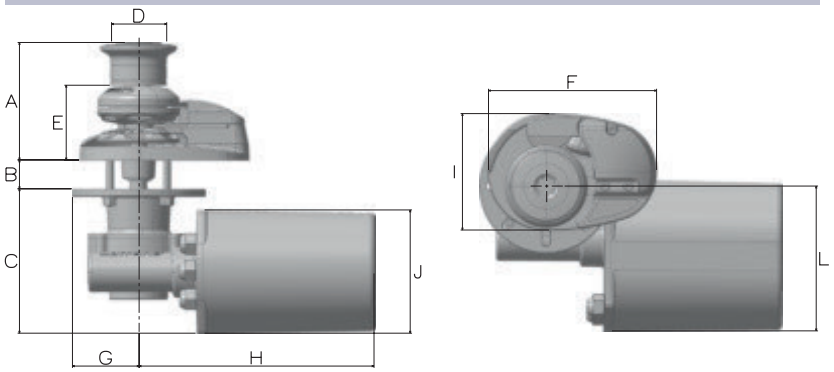
IP 67 wassergeschützte Motoreinheit

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

Ankerketten

new



Code	Chain Size	Pack
38 72749	6 mm, ISO 4565 / DIN 766	30m
38 72751	8 mm, ISO 4565 / DIN 766	30m

Weiteres Zubehör finden Sie ab Seite 420

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 420

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 seewasser-beständigem 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	included in the package				

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

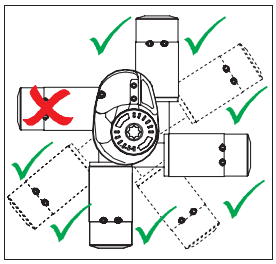
3 Years Limited Warranty



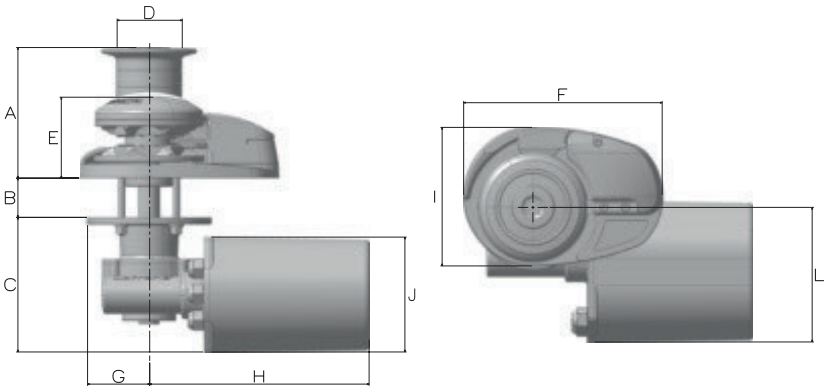
Ohne Verholspill

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
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

Ankerketten

new



Code	Chain Size	Pack
38 72749	6 mm, ISO 4565 / DIN 766	30m
38 72751	8 mm, ISO 4565 / DIN 766	30m
38 72753	10mm, ISO 4565	120m
38 72319	10mm, / DIN 766	30m

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 420

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

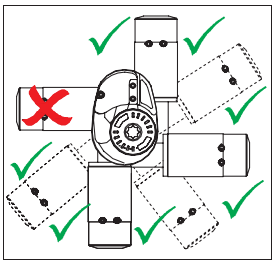


3 Years Limited Warranty *

Ohne Verholspill

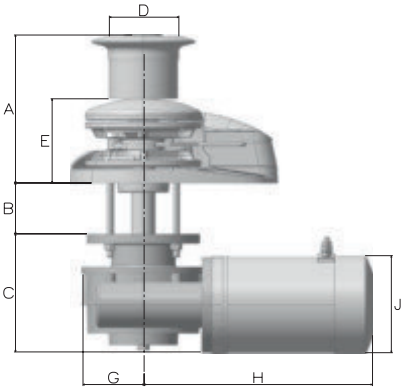


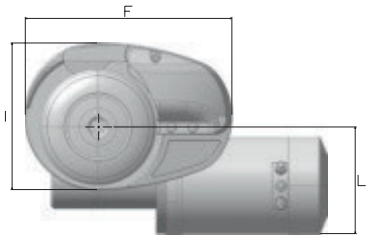
Installation positions



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

Ankerketten

new



Code	Chain Size	Pack
72751	8 mm, ISO 4565 / DIN 766	30
72314	10mm, / DIN 766	120
72753	10mm, ISO 4565	30
72755	12mm, ISO 4565	50

More available packs (see pages 59)

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 420

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*

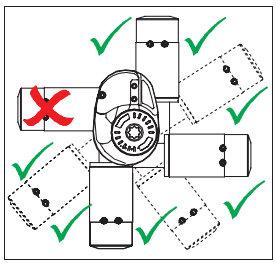
THE ORIGINAL WINDLASS



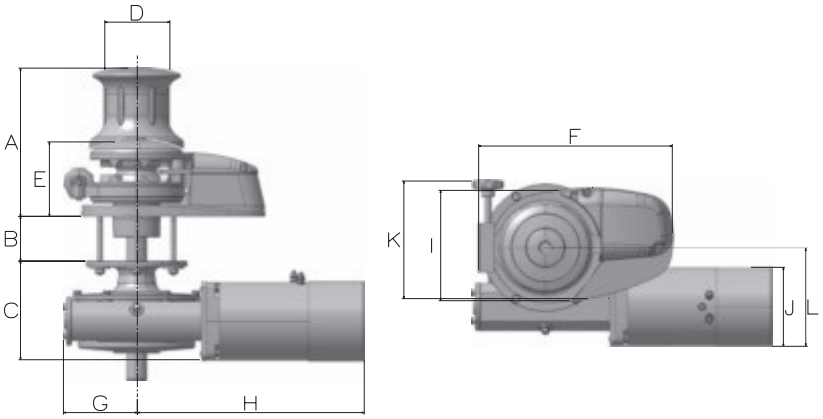
Ohne Verholspill

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

Ankerketten

new



Code	Chain Size	Pack
72314	10mm, / DIN 766	120
72753	10mm, ISO 4565	30
72755	12mm, ISO 4565	50
72408	14mm, ISO 4565 / DIN 766	200

More available packs (see pages 59)

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

Erhältliches Zubehör

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



Weiteres Zubehör finden Sie ab Seite 420

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.

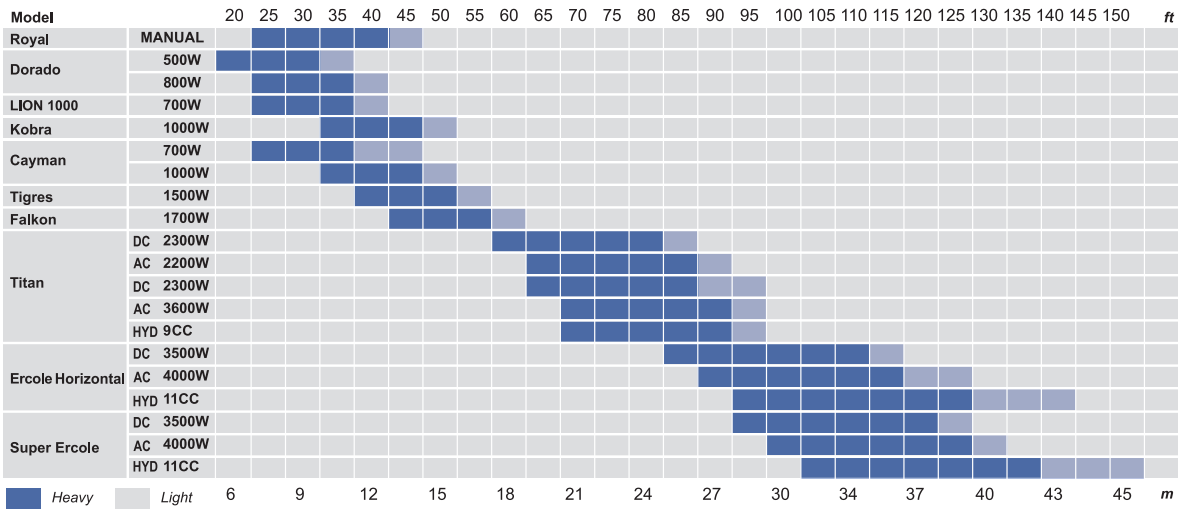
Manual override: Most of the Lofrans horizontal windlasses are supplied with manual override which makes the windlass capable of chain recovery in the event of electrical failure. The manual override has the secondary function to provide a safety mechanism so that chain jams do not damage the deck.

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.

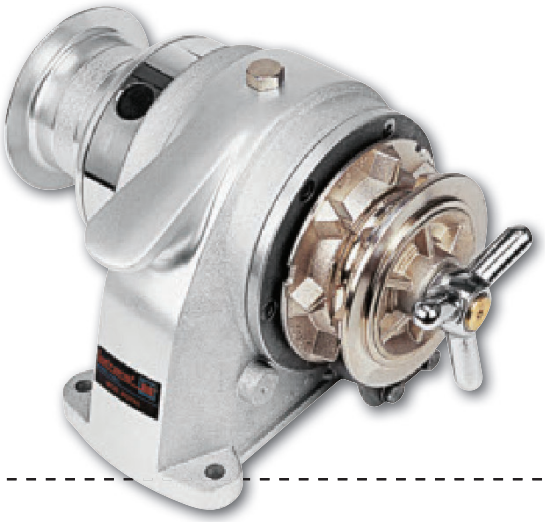
CUSTOM PRODUCT: Models TITAN, ERCOLE and SUPER ERCOLE are available in six versions in order to meet all customer requirements.



THE ORIGINAL WINDLASS

ROYAL - Horizontale Handankerwinde - Horizontal Windlass

Manual



3 Years Limited Warranty

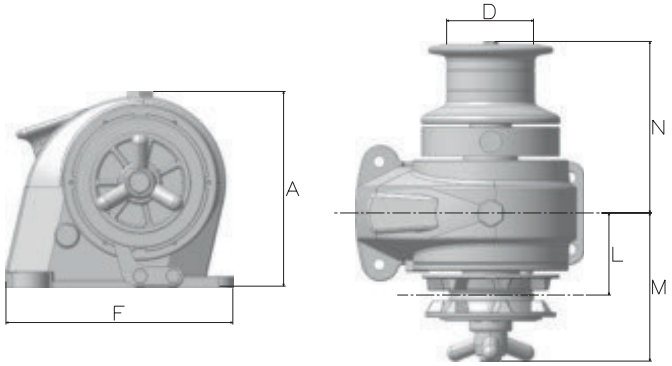
Hauptmerkmale

- 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 420

LION 1000 - Horizontale Handankerwinde - Horizontal Windlass

3 Years Limited Warranty ★



Hauptmerkmale

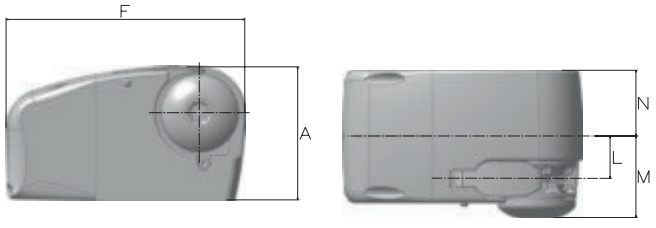
- Optional mit automatischem Freilauf*
- Weiß lackiertes Aluminium-Gehäuse
- Freilauffunktion
- Kettenmanagement durch Federarm
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich

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

Ankerketten

new



Code	Chain Size	Pack
72749	6 mm, ISO 4565 / DIN 766	30m
72751	8 mm, ISO 4565 / DIN 766	30m

More available packs (see pages 59)

Erhältliches Zubehör

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





Weiteres Zubehör finden Sie ab Seite 420

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



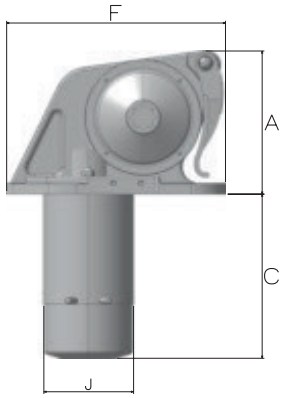
Code....**38 72204**

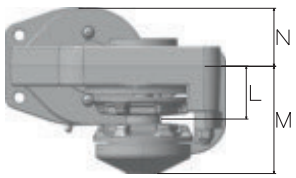
Construction	Anodised Aluminium	
Motor size	**500 W**	**800 W**
Power Supply (V)	12	12
Maximum Pull (kg)	630	900
Working load (kg)	95	125
Amps at Working Load (A)	65	80
Line Speed at Working Load (m/min)	18	20
Max Line Speed (m/min)	24	25
Net Weight Low Profile (kg)	10	11
Circuit Breaker (available separatly)	**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 420

CAYMAN - Horizontale Handankerwinde - Horizontal Windlass

700W / 1000W



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*

Ankerketten

new



Code	Chain Size	Pack
72749	6 mm, ISO 4565 / DIN 766	30m
72751	8 mm, ISO 4565 / DIN 766	30m
72753	10mm, ISO 4565	120m
72319	10mm, / DIN 766	30m

More available packs (see pages 59)

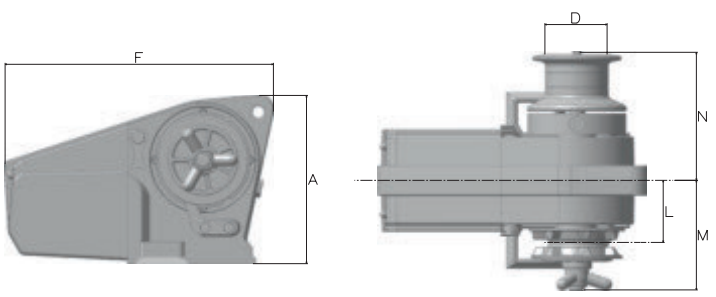
Erhältliches Zubehör

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



Weiteres Zubehör finden Sie ab Seite 420

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**

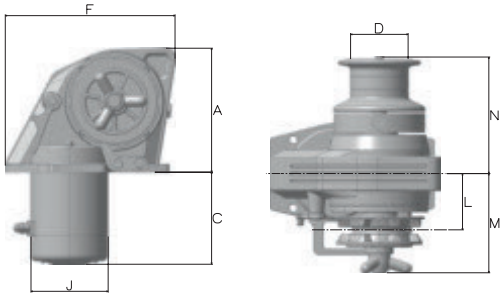
Weiteres Zubehör finden Sie ab Seite 420

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

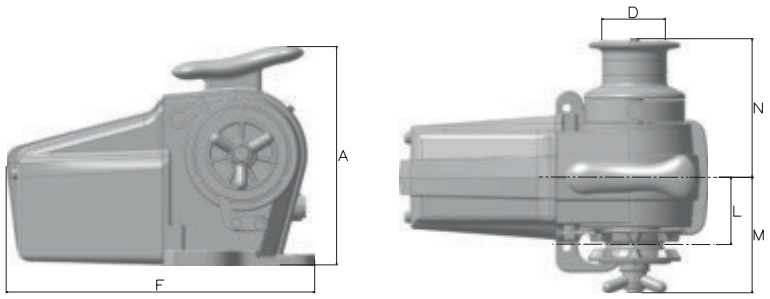
- Gehäuse aus seewasserbeständigem Aluminium
- Unabhängige Kettennuss und Verholspillfunktion
- Freilauffunktion zum Ablassen der Kette
- IP66 wassergeschützte Motoreinheit
- Manueller Kettenablass möglich
- Alusilber Standard - Weiß auf Anfrage

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 420

FALKON

Horizontale Handankerwinde - Horizontal Windlass

1700W

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	**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

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



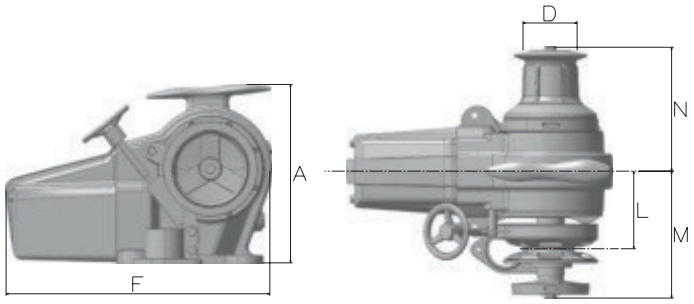




Wartungskit
für FALKON
Code....**38 72051**

Weiteres Zubehör finden Sie ab Seite 420

Dimensions in mm



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

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

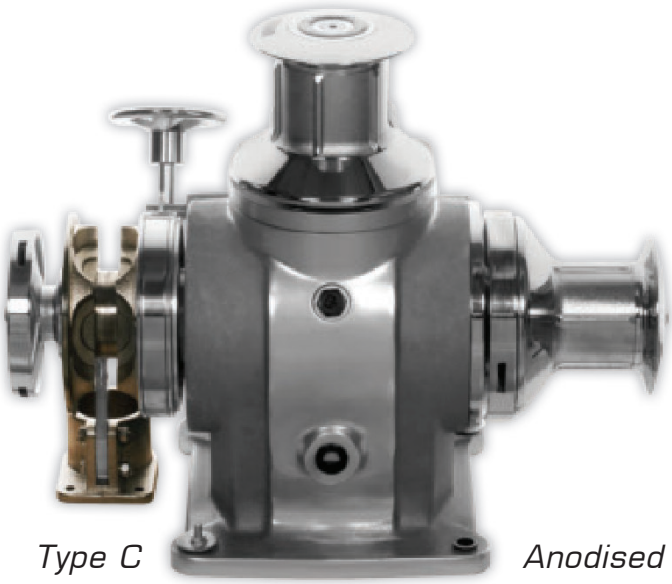
Type B - White Aluminium

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*

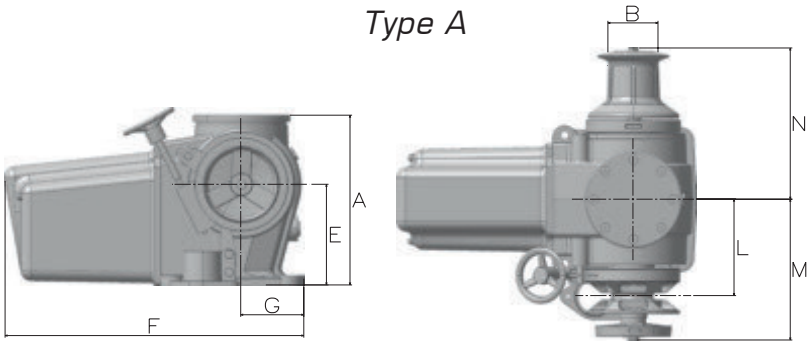
THE ORIGINAL WINDLASS



Type C *Anodised Aluminium*

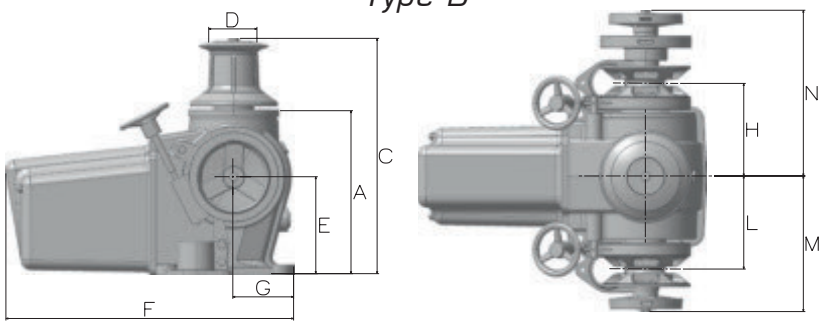
Dimensions in mm

Type A



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

Type B



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

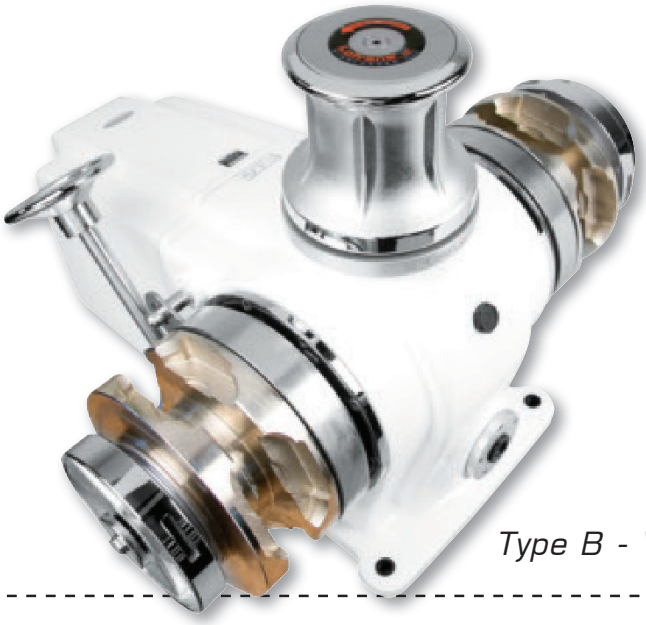




Weiteres Zubehör finden Sie ab Seite 420

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	-

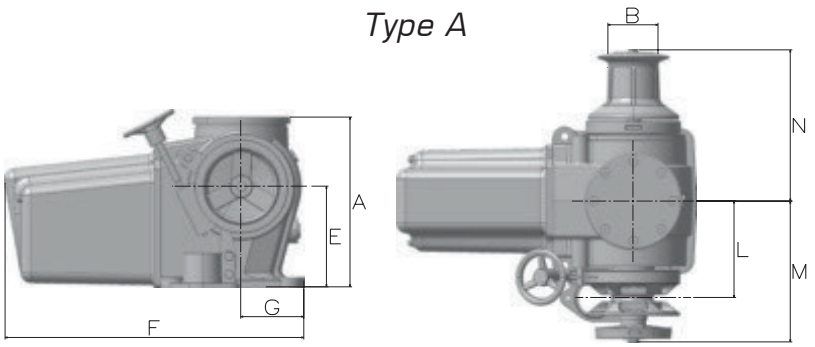
ERCOLE		Model	Code	Code
With Drum	14 mm	Type A	**38 403615**	**38 602509**
		Type B	**38 220317**	**38 602512**
		Type C	**38 403614**	**38 602515**

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

THE ORIGINAL WINDLASS

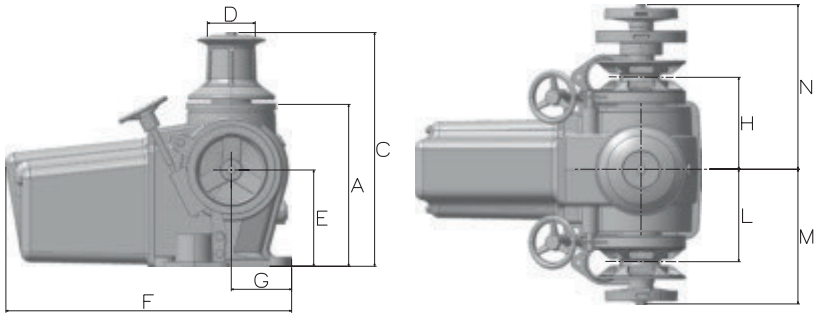
Dimensions in mm

Type A



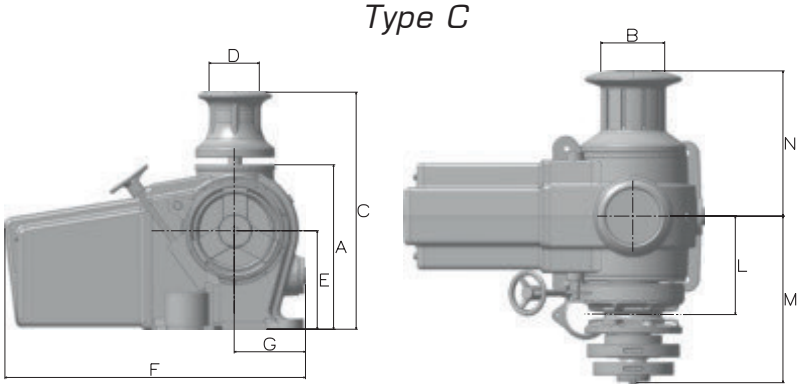
Model	A	B	E	F	G	L	M	N
3500W Hydraulic	390	Ø150	230	705	160	230-250	390	340

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
3500W 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



Weiteres Zubehör finden Sie ab Seite 420

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

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.



2 Years Limited Warranty *

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

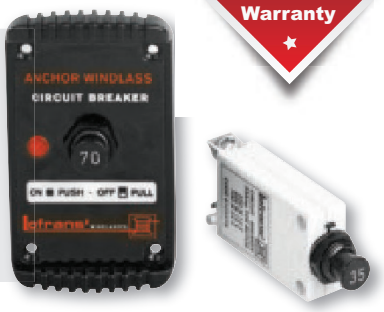
** Wiring diagrams depending on configuration and number of terminals (see page 63)*

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 *

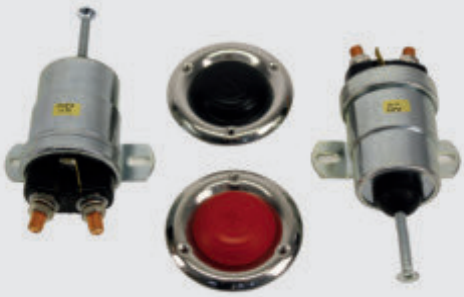
new INOX Foot switch



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	

Food switch
incl. Relais

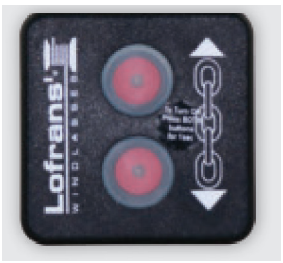


Schaltrelais mich mechanischer Bedienung durch Fußtaster in der Kappenfarbe Rot oder Schwarz

Best.-Nr. **570233800NE** für Schaltrelais 2000W, 12V SCHWARZ
570233800RO für Schaltrelais 2000W, 12V ROT
570233802 Ersatzgummi ROT/SCHWARZ

Touch Paneel
with LED backlit buttons

new



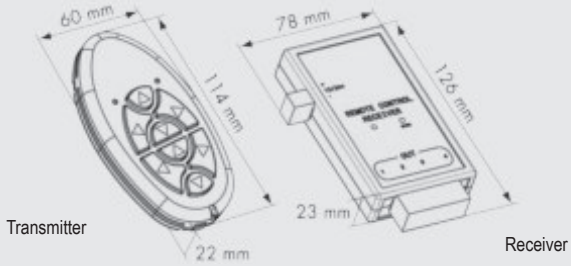
Code	38 74317
Color	Black
Compatible with	All Windlasses
Dimension	65 x 65 mm

Radio 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



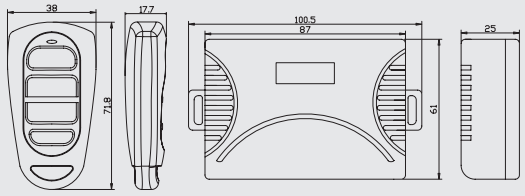
Code	312976	312977
Description	Transmitter & Receiver (EU)	Transmitter & Receiver (USA)
Frequency	868 MHz	915 MHz
Number of button	8 (Transmitter)	
Voltage	12 - 24Vdc (Receiver)	
Operative temperature	-10 : +60	
IP protection rated	67 (Transmitter)	
Max contacts amperage (A)	2 (Receiver)	
Weight (gr)	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.*

Mini Remote Control



- 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	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)

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 II
PANEL CHAIN COUNTER



2 Years Limited Warranty ★

new

THETIS 1002
HAND HELD CONTROL



Panel Chaincounter IRIS II

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

- Chain speed indicator / mooring length in meters or feet
- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High-vision LCD display 3" / 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*

Hand Held Control THETIS 1002

This hand held remote control model, THETIS 1002, 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. Reinforced covers & buttons.

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

Code	38 73631
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

THETIS 5003

HAND HELD REMOTE CONTROL PANEL CHAIN COUNTER



Hand Held Remote Control Chain Counter THETIS 5003

This remote chain counter model, THETIS 5003, has been specifically designed to give the full control in anchoring. It is 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. Reinforced covers & buttons.

- 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
- Cradle included

Code	38 73632
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

THETIS 7003

RADIO CONTROL CHAIN COUNTER



Radio Control Chain Counter THETIS 7003

Without cable ties, plug or panels and with load always perfect by its rechargeable battery, the radio chain counter THETIS 7003 gives finally all the freedom of manoeuvres and the comfort of reading in the anchoring operations. Reinforced covers & buttons.

- 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
- USB cable and charger included
- Cradle included

Code	38 73633
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)

CHAINS

new



It is LOFRANS!!!

Hot Dip Galvanized.

Calibrated.

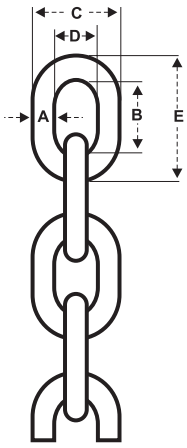
Grade 40 - tougher than Grade 30 - over 30% higher breaking load.

Extended quality tested on Lofrans' Windlasses.

Lofrans' Authenticity Check -"LFR" is engraved every thirty centimeters.

Certificate of Analysis Included





Code	72312	723121	72749	72750	72313	723131	72751	72752	72314	723141
Type	ISO 4565 / DIN 766				ISO 4565 / DIN 766				DIN 766	
A (mm)	**6**				**8**				**10**	
B (mm)	18,5				24				28	
C (mm)	20				27,5				34	
D (mm)	8				11,5				14	
E (mm)	30,5				40				48	
Weight / m (kg)	0,8				1,42				2,2	
Breaking load (kg)	2400				4300				6750	
Available Pack (m)	**Carton Drum**	**Pallet box**	**Bag**	**Bag**	**Carton Drum**	**Pallet box**	**Bag**	**Bag**	**Carton Drum**	**Pallet box**
	120	400	30	50	120	400	30	50	120	300

Code	72315	723151	72753	72754	72316	723161	72755	72408	72409
Type	ISO 4565				ISO 4565			ISO4565 / DIN 766	
A (mm)	**10**				**12**			**14**	**16**
B (mm)	30				36			41,5	45
C (mm)	34,5				39,6			47,4	54,6
D (mm)	14,5				15,6			19,4	22,6
E (mm)	50				60			69,5	77
Weight / m (kg)	2,14				3,23			4,37	5,72
Breaking load (kg)	6750				9700			13230	17280
Available Pack (m)	**Carton Drum**	**Pallet Box**	**Bag**	**Bag**	**Carton Drum**	**Pallet box**	**Bag**	**Carton Drum**	**Carton Drum**
	120	300	30	50	120	300	50	200	200

Available Packs



Carton Drum



Pallet Box

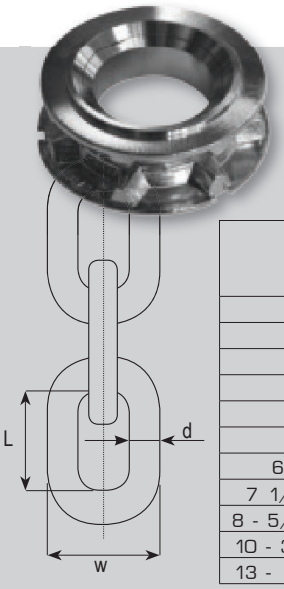


Bag

WITH THE EXPERIENCE AND QUALITY OF Lofrans' WINDLASSES

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

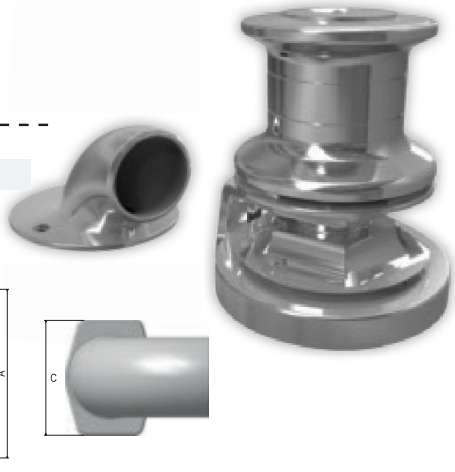
CHAIN d	Inside Length L (mm)	Outside Width w (mm)
6 ISO	18	20
7 ISO	21	24
8 ISO	24	27
10 ISO	30	34
12 ISO	36	40
14 ISO	42	47
6 DIN 766	18.5	20
7 1/4" DIN 766	22	23
8 - 5/ 16" DIN 766	24	26
10 - 3/8" DIN 766	28	34
13 - 1/2" DIN 766	36	44

Chain Pipes for SX Series - Vertical Windlasses

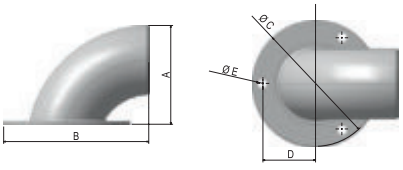
Stainless Steel



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