597-666-E
2026-08-04

Single speed self-tailing winch

S19

Manual for installation and operation



SELDÉN

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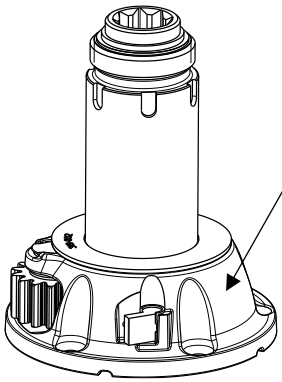
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1 Introduction

Congratulations on the purchase of your new S-series single speed winch.

This manual covers installation and operating instructions for the S-series single speed winch. The model designation is found on the top cover of the winch. Serial number is found on the winch base.



Please read the entire manual before assembly/use and keep the manual available for future reference. The latest version is available at www.seldenmast.com.

Safety Precautions
Carefully pay attention to, and follow, the instructions with the following symbols:

ATTENTION

This symbol indicates a critical moment in the assembly or technical advice.

WARNING

This symbol indicates a potentially hazardous situation. If not avoided, this could result in serious personal injury or damage to property.

Choosing the correct S-winch for your boat:

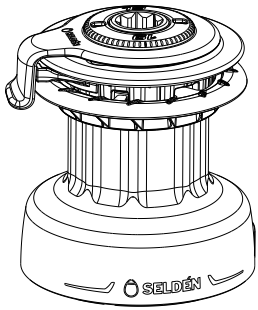
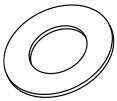
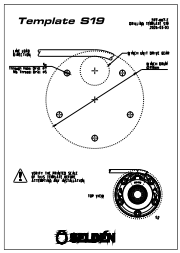
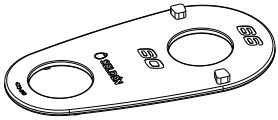
The key to a safe and properly working installation is correct dimensioning in relation to the boat the winch shall be used on. Seldén provides dimensioning guidelines in catalogues, leaflets and on the website. If there are any questions about selecting the right winch, please consult an authorized Seldén dealer. All dealers are listed at www.seldenmast.com and divided into categories describing their competence.



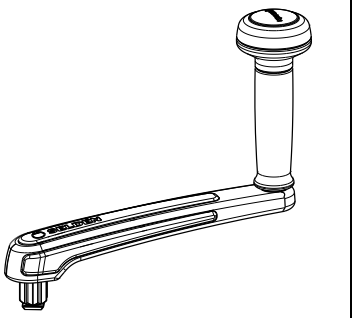
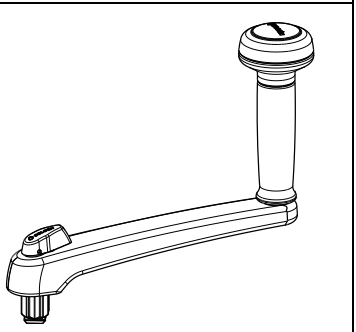
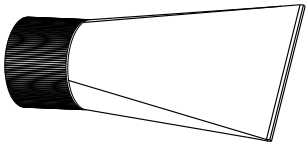
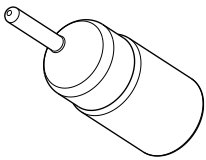
The winch is designed for handling of sail and rig control lines. Mooring, towing, hoisting a person or any other type of misuse may lead to winch failure and/or serious or fatal injuries.

2 Seldén S-Winch

2.1 Included parts

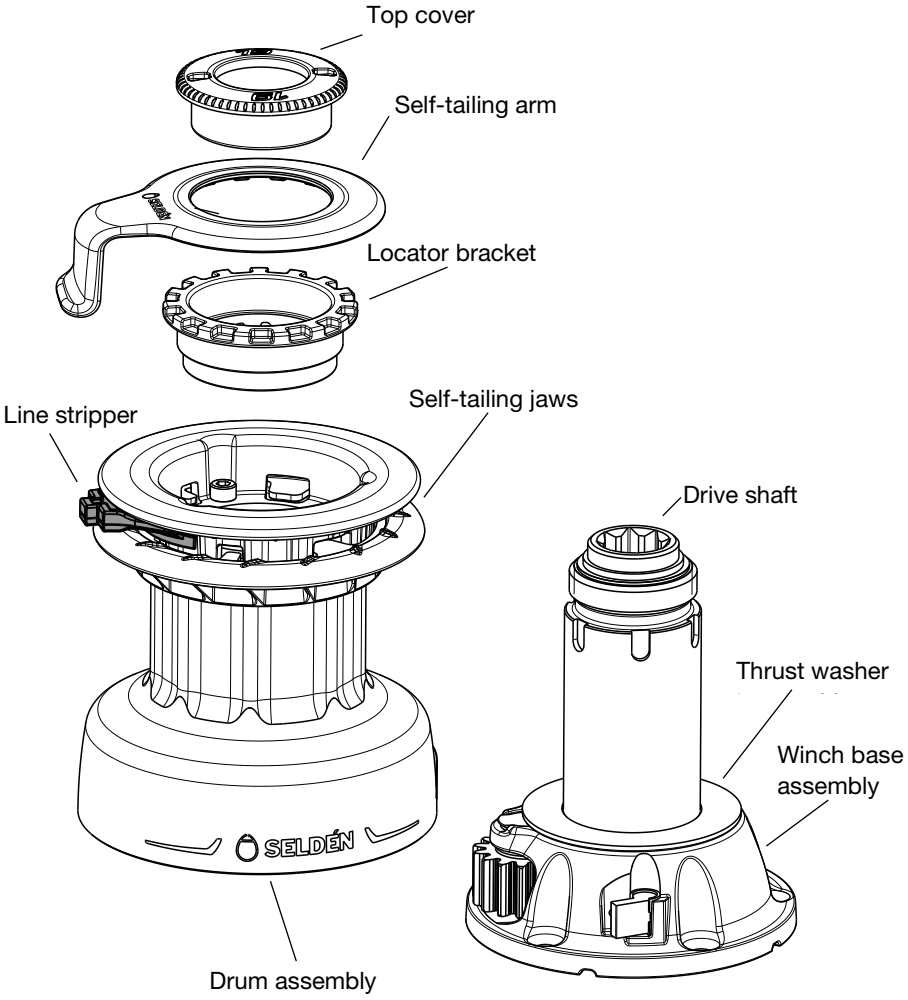
Description		Item No.	Illustration
Seldén S-series winch			
S19	Winch, Aluminum drum	475-119-01	
Insulation Washer			
S19		5x 164-068	
Drilling template			
S19		597-667-E	
Manual for installation and operation		597-666-E	
Winch tool		473-010	

2.2 Optional parts

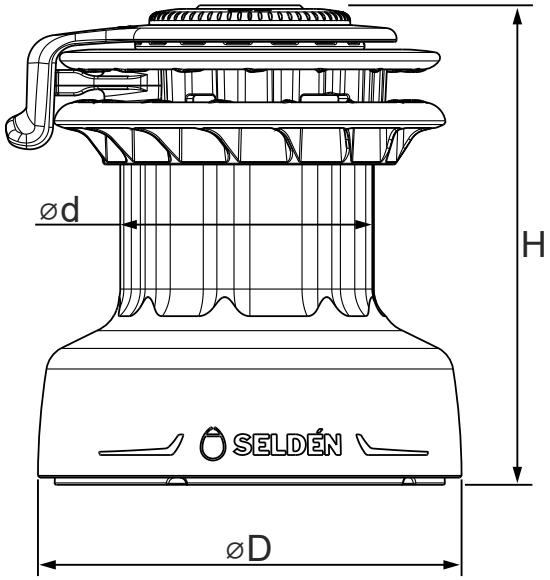
Description	Item No.	Illustration
10” Race GRIP winch handle	474-501-10	
8” Race GRIP winch handle	474-401-10	
10” STANDARD winch handle	474-301-10	
8” STANDARD winch handle	474-201-10	
Seldén lubrication grease (90g)	312–501	
Pawl oil (50 ml)	312-709-01	

2.3 Technical specification

Main components



Dimensions and technical data



Model	Hight (H) (mm)	Base (ØD) (mm)	Drum (Ød) (mm)	Line size (mm)	Power ratio	Weight (kg)	Safe working load (SWL) (kN)
S19	134	Ø118	Ø74	6-12	19:1	2.0	5.8

Exceeding the recommended max line dimensions may damage the self-tailier and cause other damage and/or injury.

3 Installation



Installation of a Seldén winch must be carried out by a competent installer who has read and understood this installation manual, the purpose and function of the winch and has checked the loads, winch sizing and mounting requirements prior to installation.

Seldén Mast AB does not take responsibility for incorrect installation of a winch, insufficient reinforcement of the deck at the location of the winch or water ingress due to insufficient sealing.

3.1 Installation preparations

The winch should be mounted on a flat surface. If not, any uneven surface must be compensated with shims.

Winch position relative to associated components and location regarding deck reinforcement and suitability must be checked. The winch should not be mounted on any part of the deck that is laminated using a soft sandwich construction. Any reinforcement work must be carried out prior to installation.

The installer takes full responsibility to ensure these checks have been undertaken. This may require the assistance of a boat yard or marine engineers.

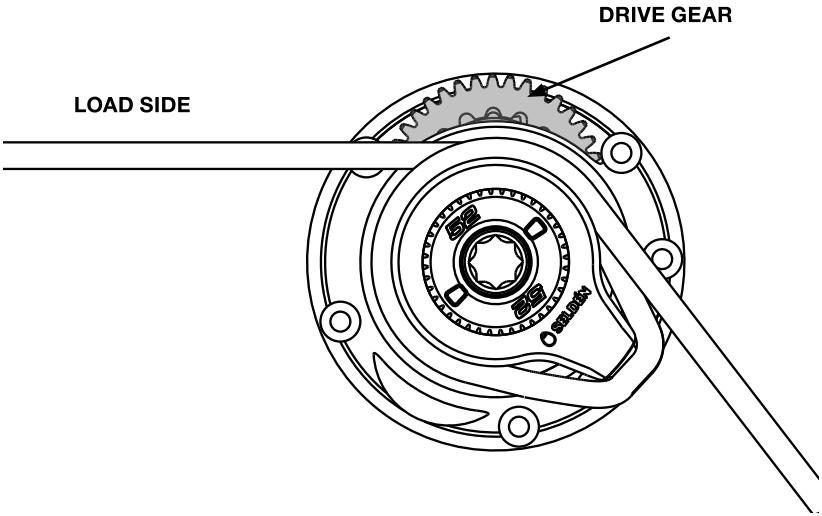
If the winch is mounted on a surface made from stainless steel, steel, bronze or brass, the winch base must be insulated from the mounting surface to prevent galvanic corrosion. Plastic washers are included for this reason.

3.2 Winch orientation

To allow for the best performance and longevity of the winch the mounting orientation must be correct with regards to the direction of the line. The correct orientation is shown in the figure below.

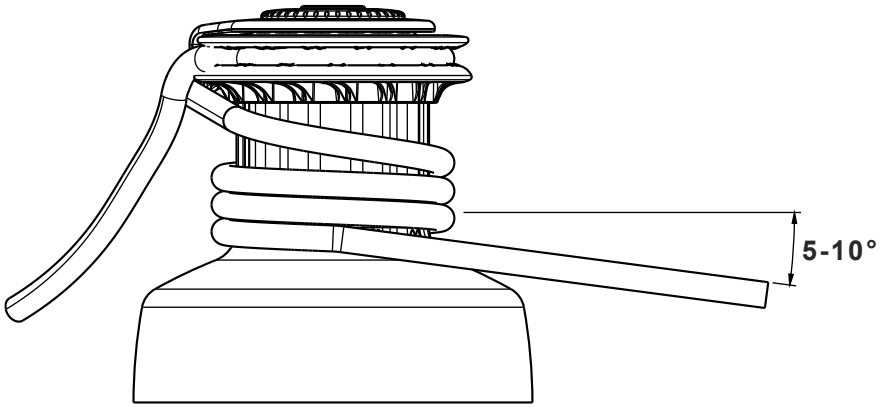
If the winch has multiple uses, such as combined halyard and spinnaker trimming, the winch should be positioned with regards to the highest load.

Both the drilling template and the which can be used to ensure the correct orientation.



3.3 Line entry angle

To minimize the risk of override, the line should enter the winch in accordance with the picture below.



3.4 Fasteners

The winch could either be mounted by through deck screws with washers and nuts or, if the boat has purpose made metal plates laminated into the deck structure, be threaded into these.

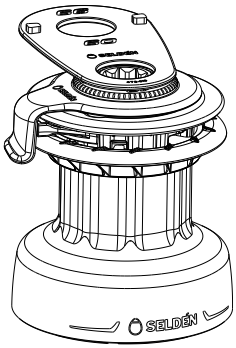
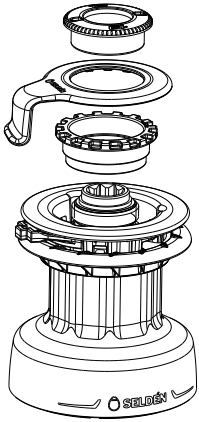
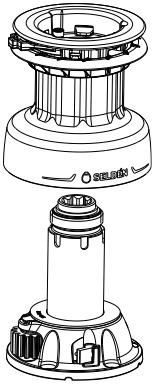
If through deck screws are used, make sure that it's possible to fit washers and nuts below deck.

The fasteners for mounting the winch to the deck are not supplied with the winch. The installer is responsible for sourcing fasteners and ensuring they are rated for the expected loads from the winch. Any fastener should be made from marine grade stainless steel.

Fastener and drill dimensions:

Model	Qty of fasteners	Fastener type	Through deck drill size (mm)	Drill size for M-thread (mm)
S19	5 pcs	Countersunk, M6	Ø7.0	Ø5.0

3.5 Mounting the winch

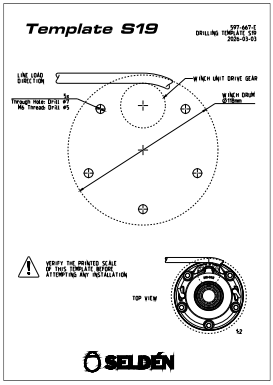
1. Unscrew the top cover using the winch tool that was supplied with the winch.	
2. Remove the top cover, the self-tailing arm and the locator bracket.	
3. Remove the drum. Make sure the thrust washer remain on the winch base.	

4.

Mark the holes in the intended mounting location. Both the template and the winch base can be used for marking.

If the screws will be threaded into the deck, Seldèn recommends using the winch base for marking the holes. See table in section 3.4 *Fasteners* for marking drill recommendations.

Take special consideration for the winch orientation before drilling to allow compliance with section 3.2 *Winch orientation*.

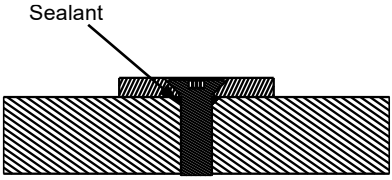


5.

1. Drill the holes according to the intended fastening method. See table in section 3.4 Fasteners for drill size recommendations.

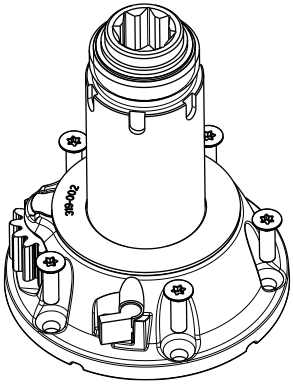
2. Make a countersunk recess at the top of the holes. This is to create a better seal around the fastener.

(3.) Thread the holes if this is the chosen fastening method.



6.

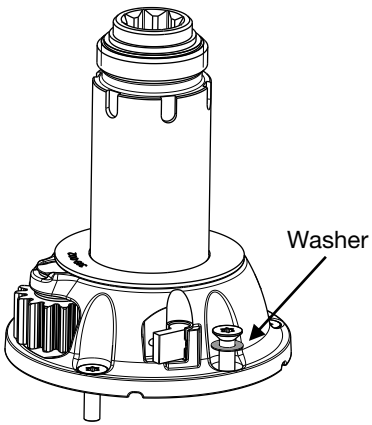
Check with the winch and fasteners that the holes and/or threads are correctly located.



7.

Fit fasteners to the winch, with plastic washers between the fasteners and the winch base. Seal around the fasteners to avoid water ingress.

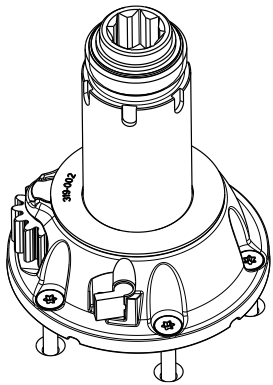
Seldén recommends to not use glue as sealant. A sealing compound that does not solidify, e.g. Butyl compound, will simplify any removal of the winch in the future.



8.

Fit the winch to the boat with the fasteners in position.

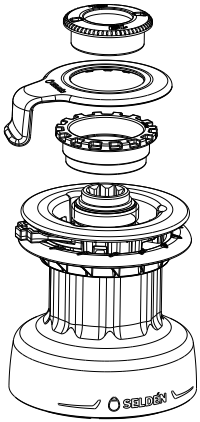
Tighten the fasteners.



9.

Refit the drum, the locator bracket, and the self-tailing arm.

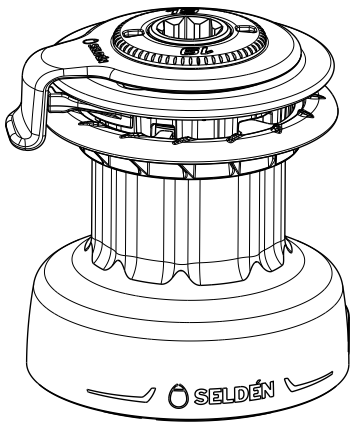
Make sure that the line stripper is positioned in line with and held captive by the self-tailing arm.



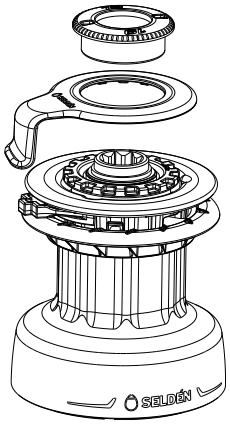
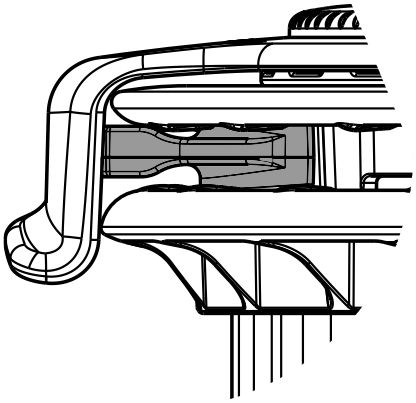
10.

Adjust the self-tailing arm to have the line exiting the self-tailing jaws in the desired direction.

Attach and tighten the top cover using the supplied winch tool.



3.6 Adjusting the self-tailing arm

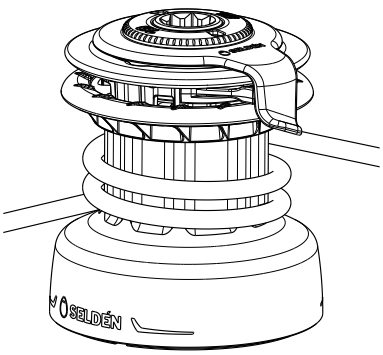
1. The self-tailing arm can be adjusted to feed the line into the cockpit. To do this, unscrew the top cover and lift the self-tailing arm. The self-tailing arm can now be rotated to allow the line to feed properly.	
2. Refit the self-tailing arm, make sure it is properly alight with the groves in the locator bracket. Make sure that the line stripper is positioned in line with, and held captive by, the self-tailing arm Fit and tighten the top cover using the supplied winch tool.	

4 Operation

1.

Apply 2-3 turns on the winch drum and pull any slack in the line. Fewer or more turns may be required depending on the conditions.

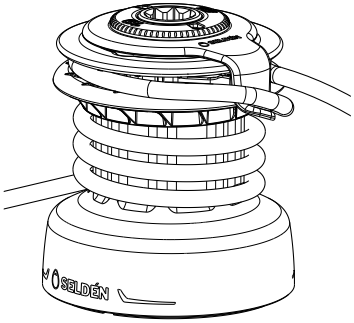
More turns on the winch drum increases the risk of override, when pulling the slack.



2.

Add more turns if required.

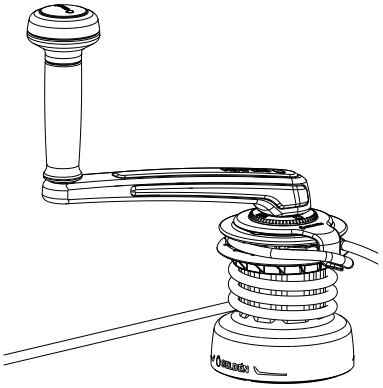
Feed the line over the self-tailing arm through the self-tailing jaws.



3.

Use a winch handle to trim the rest of the line until desired shape of the sail and/or tension of the sheet or halyard has been reached.

The winch handle should be rotated in the anti-clockwise direction.



5 Trouble shooting

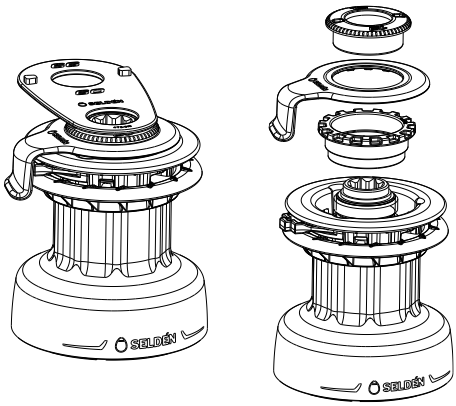
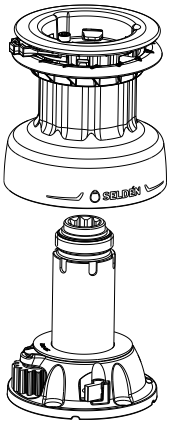
Problem	Problem cause	Action
Loss of self-tailing function.	1. Line not properly seated in self-tailing jaws.	1. Check line seating in self-tailing jaws.
	2. Too few turns on winch drum.	1. Add turns until self-tailing function is resumed.
	3. Incorrect line size. See table in section 2.3.	1. Change to correct line size.
The winch is not ratcheting.	1. Faulty reassembly of rachet gears.	1. Flip ratchet gears to match pawl engagement.
	2. The winch needs maintenance.	1. Perform maintenance.

6 Service and maintenance

To maintain top performance and assure longevity for all parts of your winch, it is recommended to frequently rinse the winch with freshwater.

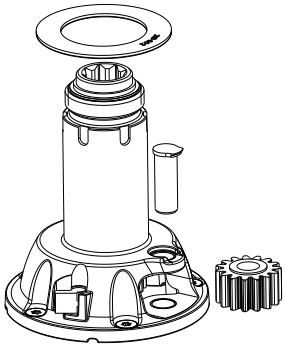
6.1 Yearly winch maintenance

The maintenance described below should be performed at least once every year. For heavily used winches (racing boats, charter boat, etc.) more frequent maintenance than once a year is recommended.

1. Unscrew the top cover using the winch tool supplied with the winch. Remove top cover, self-tailing arm and locator bracket.	
2. Remove the drum assembly. Make sure the thrust washer remain on the winch base.	

3.

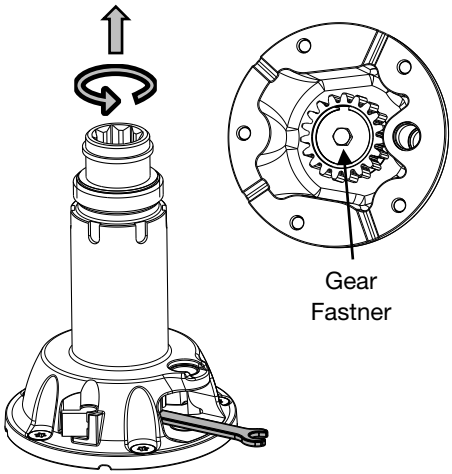
Remove the thrust washer, secondary gear shaft and secondary gear.



4.

Remove the drive shaft and primary gear.

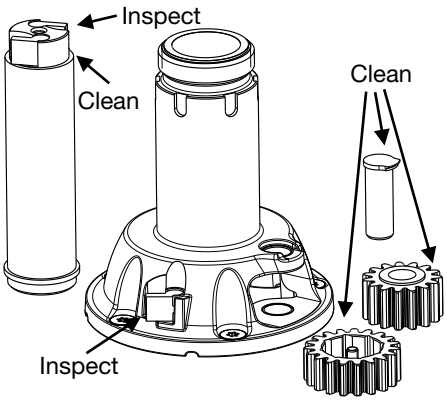
This is done by holding the gear fastener with an 8mm wrench and rotating the drive shaft anti-clockwise whiles simultaneously pulling the shaft up.



5.

Clean the gears and shafts thoroughly using white spirits.

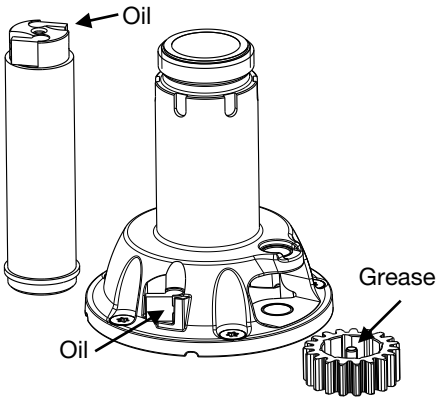
Inspect pawls and springs and replace if worn or damaged.



6.

Apply pawl oil to the pawls on the drive shaft, and grease to the inside of the primary gear (not the fastener).

Do not grease the pawls.

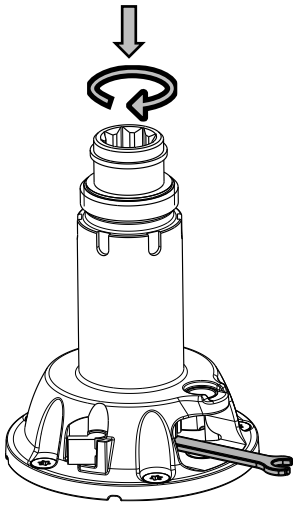


7.

Reinstall the primary gear and drive shaft.

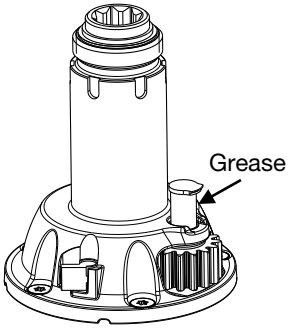
This is done by holding the gear fastener with an 8mm wrench and rotating the drive shaft clockwise whiles simultaneously inserting it into the winch.

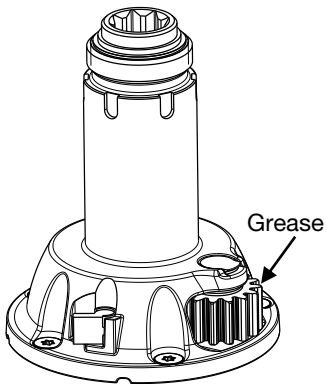
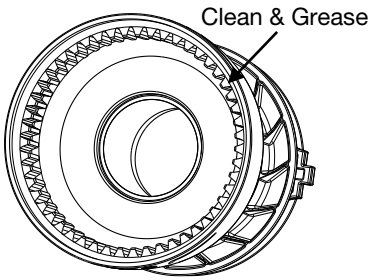
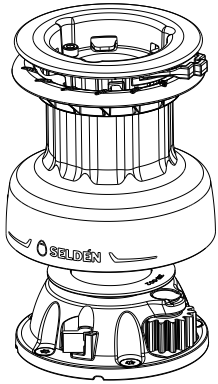
Preventing the primary gear from rotating helps the pawls enter the gear.



8.

Apply grease to the secondary gear shaft and refit the secondary gear and shaft in the winch.

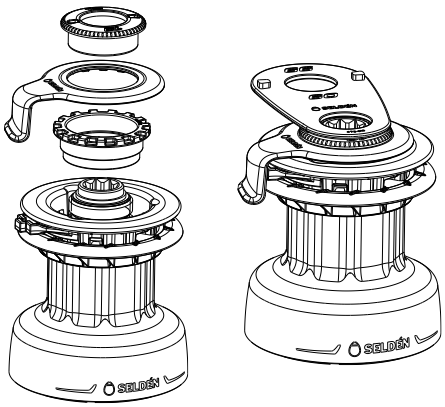


9. Grease the winch gears.	
10. Clean the gear on the inside of the drum using white spirit. Apply grease to the drum gear.	
11. Refit the thrust washer and drum.	

12.

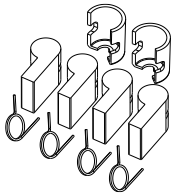
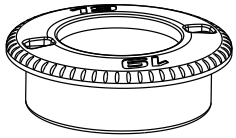
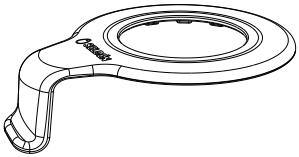
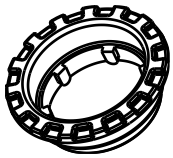
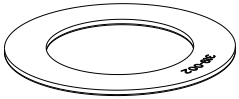
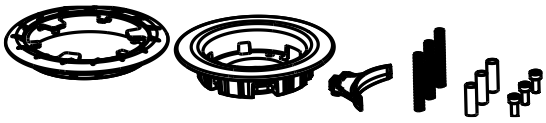
Fit the locator bracket and the self-tailing arm.

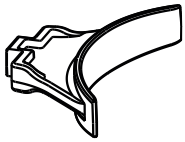
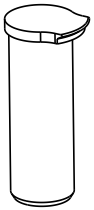
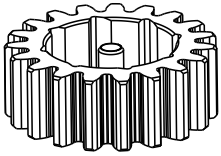
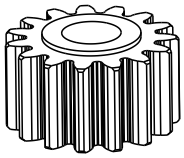
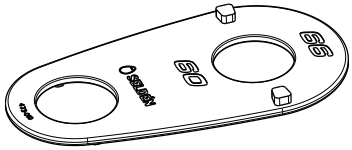
Attach and tighten the top cover using the supplied winch tool.



7 Spare parts

The following parts can be purchased as spare parts for your Seldén winch:

Description	Art. No.	Illustration
Pawl kit		
S19	543-111-01R	
Top Cover		
S19	473-214-01R	
Self-Tailing Arm		
S19	473-413R	
Locator Bracket		
S19	473-412R	
Thrust Washer		
S19	319-002R	
Self-Tailing Jaw kit		
S19	473-429-10R	

Description	Art. No.	Illustration
Line Stripper		
S19	473-427R	
Gear Shaft		
S19	473-215R	
Primary Gear		
S19	320-094-01R	
Secondary Gear		
S19	320-095-01	
Winch Tool		
S19	473-010R	

8 Warranty

Seldén Mast AB guarantees the Seldén S-series winch for 2 years. The guarantee covers faults arising from defective design, materials, or workmanship.

The guarantee is only valid if the product is assembled, operated, and maintained in accordance with this manual and is not subjected to loads higher than those specified in brochures, manuals and on the Seldén website.

Complete shipment and warranty conditions are to be found on Seldéns website www.seldenmast.com. See Resources/Partners information/General information/General conditions of sale (595-546-E).

If the winch is repaired or modified by anyone other than Seldén Mast AB or one of our authorized dealers, the guarantee ceases to be valid.

Seldén Mast AB reserves the right to alter the content and design without prior warning.

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