



User Manual

NorSap 1100

March, 2015



NorSap 1100

NorSap models

| | | | |
|------|-------------|-----------|----------------------|
| 5025 | NorSap 1100 | 390-490 | no foot rest |
| 5050 | NorSap 1100 | 510-690 | |
| 5075 | NorSap 1100 | 630-920 | |
| 5080 | NorSap 1100 | 410-510 | w/5 leg no foot rest |
| 5083 | NorSap 1100 | 530-710 | w/5 leg |
| 5085 | NorSap 1100 | 650-940 | w/5 leg Ø600 |
| 5090 | NorSap 1100 | chair top | no column |

NorSap

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INTRODUCTION

Congratulations on your purchase of a NorSap chair! NorSap is the recognized leader in the design and production of helmsman and operator seats for the maritime market.

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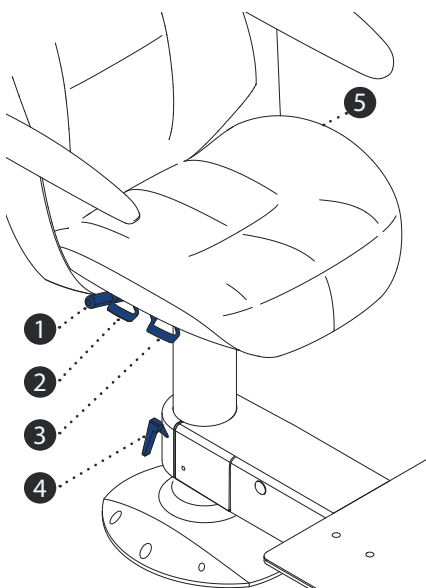
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This manual will help you make the most out of your NorSap chair.



If you have any questions regarding your NorSap chair, please contact our head office for further assistance.

FUNCTIONS OF THE NORSAP 1100 CHAIR



- 1 Chair swivel/turn release handle
- 2 Backrest gas-strut release handle
- 3 Height adjustment release handle
- 4 High adjustable footrest handle
- 5 Adjustable backrest/seat rest release handle

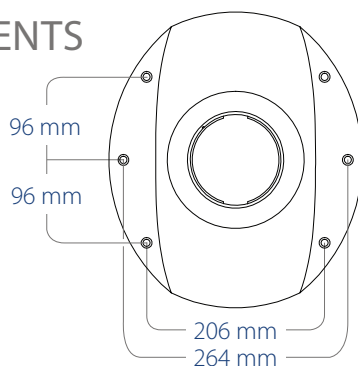
ADDITIONAL

- Chair swivels 360°
- Footrest and armrests folds up
- Fully reclining backrest
- Horizontal glide rails

MOUNTING HOLES MEASUREMENTS

A strong and level foundation is required to secure the installation of the base.

Use six (6) M6 bolts to mount the pedestal

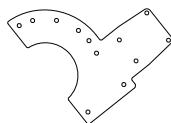


MOUNTING ON A DECK RAIL

First, make sure to have mounted the deck rail according to its user manual. The bolts for mounting the chair to the deck rail is already in place in the carrier wagon.

- If you have a standard deck rail with release from seated position, the mounting of the release lever is shown in the deck rails user manual.
- If you have a basic deck rail, the wiring and mounting of the release lever is shown in the deck rails user manual.

Bracket for release handel - **Item No: P13470.**



CARE AND MAINTENANCE OF LEATHER

As a natural product, leather is very durable and hardwearing, but all leather products require cleaning and protecting. By following these instructions, you will ensure a long and lasting leather quality. Never place leather furniture closer than 20-30 cm to a radiator or in direct sunlight.

LEATHER CLEANING

Cleaning removes everyday dirt and stains from your leather. Without proper cleaning the leather will over a period of time leave grease spots or discoloration's. To avoid this, clean with Soft Cleaner on a regular basis, we advise once a month.

LEATHER PROTECTION

Protect your leather to guarantee that the original quality of the leather will be maintained. Use Leather Protection Cream, we advise 2-4 times a year. This will protect against spots and preserve the leathers softness.

CARE AND MAINTENANCE OF FABRIC

Regular light vacuuming. Occasional cleaning should be done with a reputable brand of upholstery shampoo following the manufacturer's instructions

REPLACING SEAT AND BACKREST CUSHIONS

If your upholstery is damaged or worn, it is recommended to replace the whole cushion.

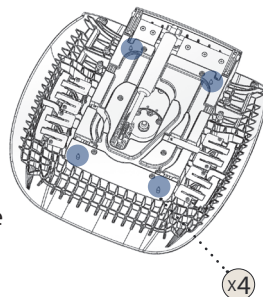
SEAT REST CUSHION

The seat cushion is connected to the base with four (4) double ended pine tree clip in nylon.



REMOVE: Grip the seat at the front and back edge. Lift and pull to remove.

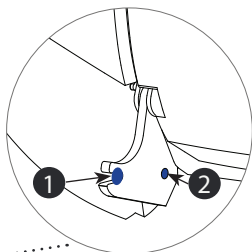
REPLACE: Align the seat cushion over the four pine tree clips and push down until you hear it clicks.



Note: extra pine tree clip is delivered with each chair - Item no: LAAS-026

BACKREST CUSHION

To replace the backrest cushion, remove the seat rest cushion first.

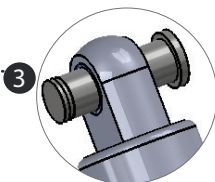


1 BOLTS

Loosen the bolts on the back hinge mounting plate on both sides. To easily access the bolts, recline the backrest.

2 BOLTS

Remove the bolts on the back hinge mounting plate on both sides. To access the bolts, pull aside the cushion in the bottom corner from the outside.



3 GAS STRUT

Remove the Seeger ring to remove the wire/gas strut. Remove the wire/gas strut by pressing the bolt.

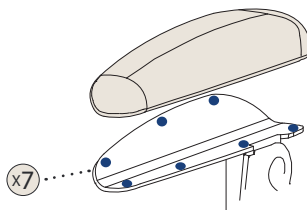
RE-MOUNT

First mount the gas-strut to backrest before remounting the backrest to the seat.

Slide the backrest back on place and remount bolts at the back hinge mounting plate

REPLACING ARMRESTS

To replace the armrest, unscrew the seven (7) bolts holding the armrest in place. Replace the armrest with the new one and re-mount.



REPLACEMENT / SPARE PARTS - ALL MODELS

To find out what model your chair is, flip up seat and check the label underneath.

SEAT PILLOWS

| Item Name | Item No | Rev |
|--------------------------|----------|-----|
| NS1100 Seat rest cushion | PUTE-114 | A1 |
| NS1100 Back rest cushion | PUTE-115 | A1 |

ARMREST

| Item Name | Item No | Rev |
|----------------------|-----------|-----|
| NS1100 Armrest Right | PUTE-120H | A1 |
| NS1100 Armrest Left | PUTE-120V | A1 |

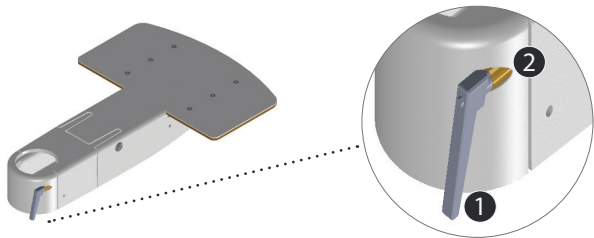
5-STAR BASE

| Item Name | Item No |
|---------------------------------|----------|
| Foot rest padding | STL-006 |
| Wheel set (5) for Office chairs | HJUL-007 |



FOOTREST

| Item Name | Item No | Pos |
|----------------------------|-------------|-----|
| Complete footrest | DEL-073BP | |
| Adjustable hand wheel 8X63 | RATT-018 | ① |
| Shell Ø13 L=25mm | SAP-0576-25 | ② |



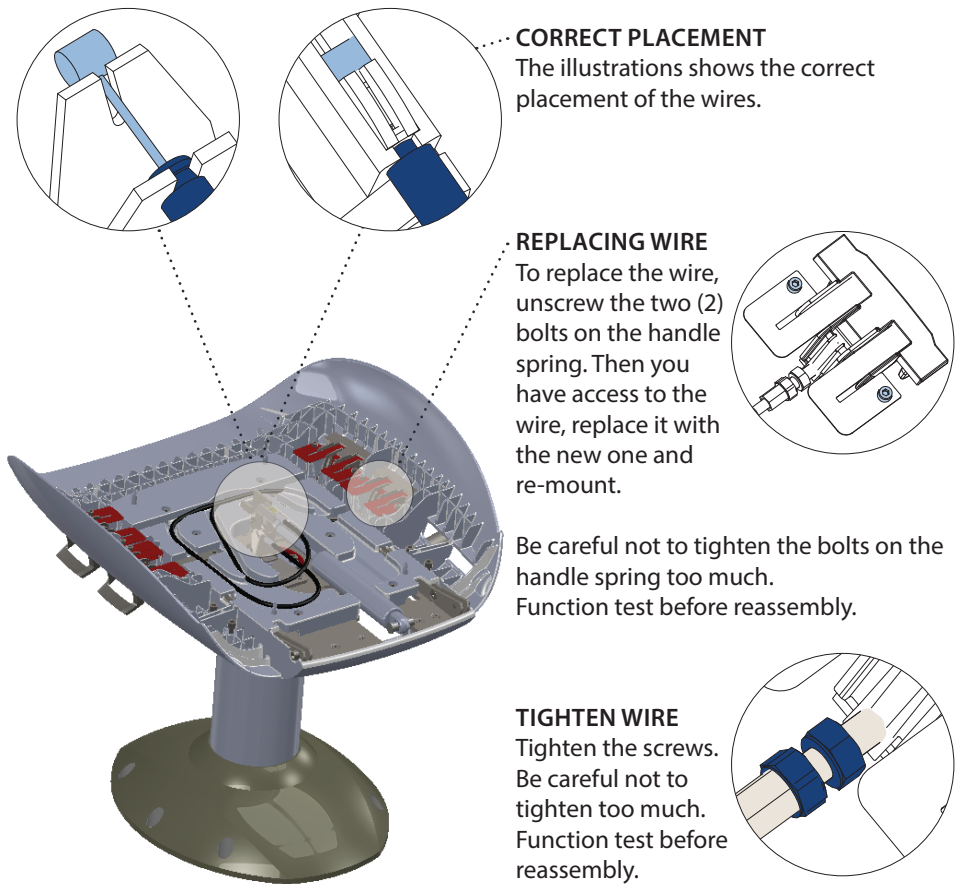
COLUMNS

| Item Name | Item No | Rev |
|--|---------|-----|
| NS1100 Column, low with base (for chair 5025) | A1041 | A1 |
| NS1100 Column, medium with base (for chair 5050) | A1043 | A1 |
| NS1100 Column, high with base (for chair 5075) | A0934 | A1 |
| Item Name | Item No | Rev |
| NS1100 Column, low with 5 legs (for chair 5080) | A0901 | A1 |
| NS1100 Column, medium with 5 legs (for chair 5083) | A1090 | A1 |
| NS1100 Column, high with 5 legs (for chair 5085) | A1086 | A1 |

MAINTENANCE OF MOVING PARTS

The glide parts of the chair can be lubricated with a silicone-based lubricant.
If the chair is on a deck rail, it is important that the deck rails NOT lubricate.

WIRE ADJUSTMENTS

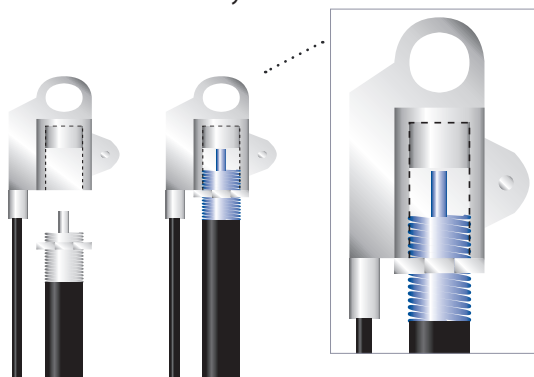


Item Name
WIRE L= 570MM

Item No
WIRE-023

GAS STRUT ADJUSTMENT

If the cable for the backrest gas-strut is dismounted, it is important to reassure that it is re-assembled correctly.



The illustration shows the correct placement of the gas-strut end into the cable release head.

The release-pin of the gas-strut should be mounted as close as possible to the release, but not under pressure. Make sure it almost touches the piston (a clearance of <1mm).

Item Name

K0B1G73 063 236 1100N

Item No

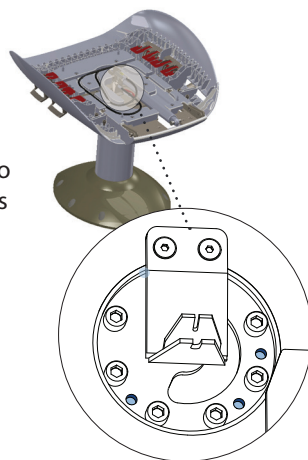
GAS-069

Function test before reassembly.

SWING REDUCTION

To avoid breakage of cables and wires within the column, a 360° swivel restrictions need to be applied. First you have to remove the seat cushion as described, then you gain access to the swing locking plate.

Place a B415-M6x8 bolt with two (2) B481-M6 washers. Use one of the tree remaining holes.



Item Name

UNBRAKOSKR SYL A4 6X8 DI

SKIVE M/LITEN DIAM.M6 A4 D125

Item No

B415-M6x8

B481-M6

SAFETY

Be sure to keep hands and fingers out of moving parts areas when operating the chair.



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