



ADDITIONAL EQUIPMENT AND SPAREPARTS
for the NorSap 800, NorSap 1000, NorSap 1500 and NorSap 2000



NorSap additional equipment and spareparts.

NorSap has focused on high quality products since the company started in 1969.

High quality customer service is also vital to us. We have a wide standard product range, but our in house R&D/engineering capacity also means that we can adapt to specified wishes and requirements from customers.

In this extra and spare part catalog you will find the most common spare parts and extra equipment for our series of chairs.

We manufacture and sell from Kristiansand in the very south of Norway, we have an excellent international dealer network and we have active owners who can make quick decisions.

We look forward to be in contact with you or that you have a look at www.norsap.com



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Armrest equipment - Controller boxes

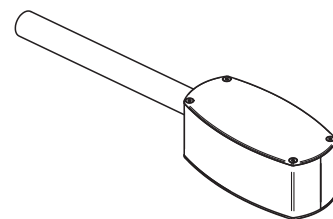
Controller box

A controller box with lid.

The box has inner dimensions of WHD 90 x 75 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-3810 V/H DEL-3810 V/H DEL-3810 V/H**



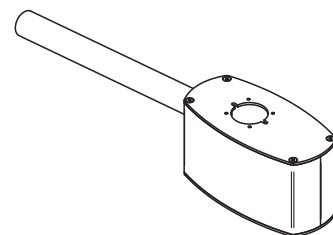
Controller box

A controller box with an opening of Ø44 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-131 V/H 5901 V/H DEL-5801 V/H**



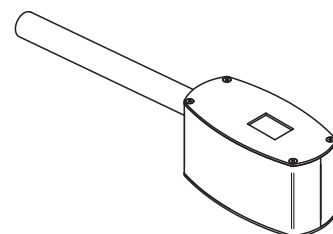
Controller box

A controller box with an opening of 31 x 46 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-632 V/H DEL-632 V/H DEL-632 V/H**



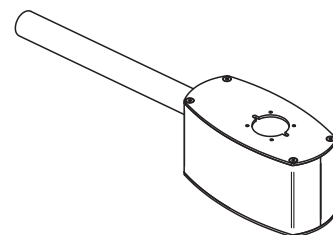
Controller box

A controller box with an opening of Ø44 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-562 V/H DEL-562 V/H DEL-562 V/H**



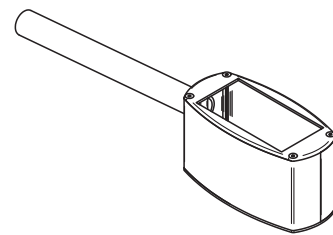
Controller box

A controller box with an opening of 70 x 140 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-524 V/H DEL-524 V/H DEL-524 V/H**



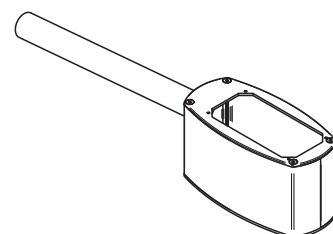
Controller box

A controller box with an opening of 68 x 140 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-755 V/H DEL-755 V/H DEL-755 V/H**



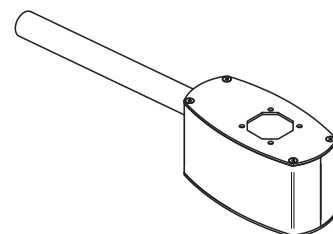
Controller box

A controller box with an opening of Ø48 mm in the top lid.

The box has inner dimensions of WHD 90 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-778 V/H DEL-778 V/H DEL-778 V/H**

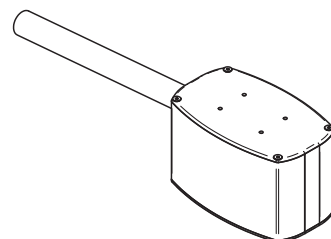


Controller box

A controller box with lid and four holes which measures Ø4,7 x 40 x 70 mm.
The box has inner dimensions of WHD 100 x 110 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-744 V/H** **DEL-744 V/H** **DEL-744 V/H**



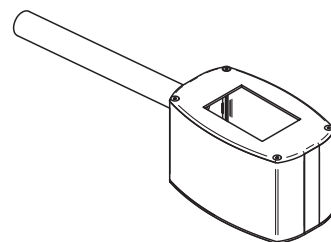
Controller box

A controller box with lid and a 40 x 70 mm cutout.

The box has inner dimensions of WHD 100 x 110 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-517 V/H** **DEL-517 V/H** **DEL-517 V/H**



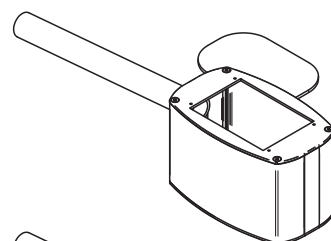
Controller box

A controller box with lid and a 86 x 124 mm cutout and a support plate for mouse.

The box has inner dimensions of WHD 100 x 110 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-538 V/H** **DEL-538 V/H** **DEL-538 V/H**



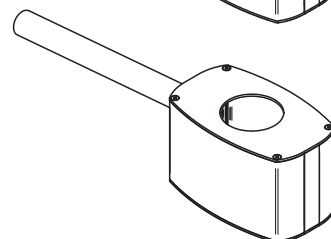
Controller box

A controller box with lid and a Ø76 mm cutout.

The box has inner dimensions of WHD 100 x 110 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-561 V/H** **DEL-561 V/H** **DEL-561 V/H**



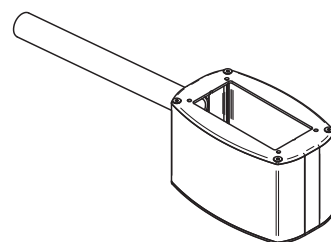
Controller box

A controller box with lid and a 65 x 140 mm cutout.

The box has inner dimensions of WHD 100 x 110 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-745 V/H** **DEL-745 V/H** **DEL-745 V/H**



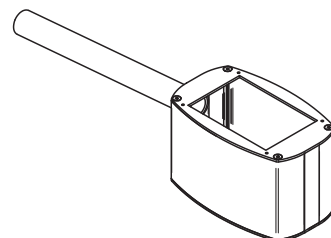
Controller box

A controller box with an opening of 68 x 140 mm in the top lid.

The box has inner dimensions of WHD 100 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-779 V/H** **DEL-779 V/H** **DEL-779 V/H**



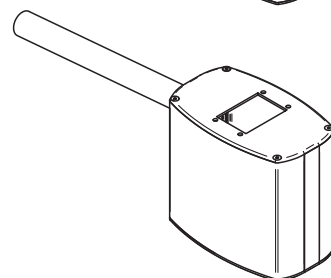
Controller box

A controller box with an opening of 50 x 70 mm in the top lid.

The box has inner dimensions of WHD 100 x 170 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-516 V/H** **DEL-516 V/H** **DEL-516 V/H**



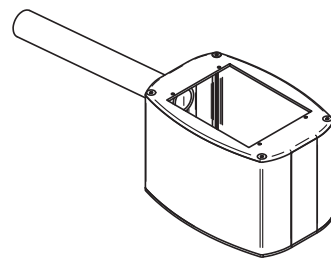
Controller box

A controller box with an opening of 98 x 128 mm in the top lid.

The box has inner dimensions of WHD 130 x 125 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-523 V/H DEL-523 V/H DEL-523 V/H**



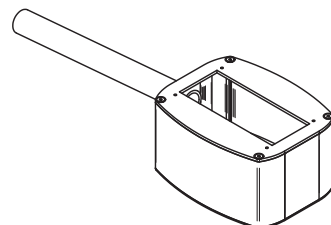
Controller box

A controller box with an opening of 66 x 163 mm in the top lid.

The box has inner dimensions of WHD 130 x 125 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-3200 V/H DEL-3200 V/H DEL-3200 V/H**



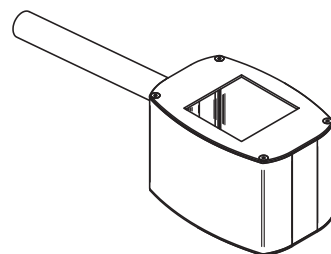
Controller box

A controller box with an opening of 92 x 92 mm in the top lid.

The box has inner dimensions of WHD 130 x 125 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-3624 V/H DEL-3624 V/H DEL-3624 V/H**



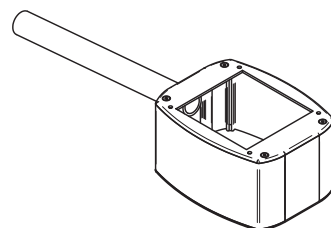
Controller box

A controller box with an opening of 117 x 124 mm in the top lid.

The box has inner dimensions of WHD 130 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-558 V/H DEL-558 V/H DEL-558 V/H**



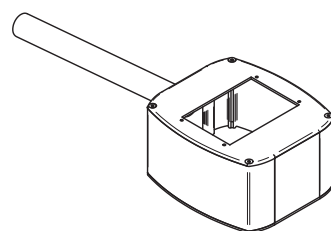
Controller box

A controller box with an opening of 86 x 124 mm in the top lid.

The box has inner dimensions of WHD 170 x 100 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-558 V/H DEL-558 V/H DEL-558 V/H**



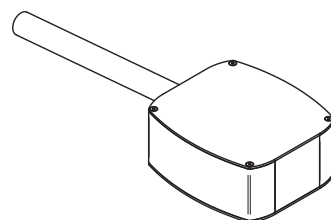
Controller box

A controller box with lid.

The box has inner dimensions of WHD 170 x 80 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **DEL-645 V/H DEL-645 V/H DEL-645 V/H**



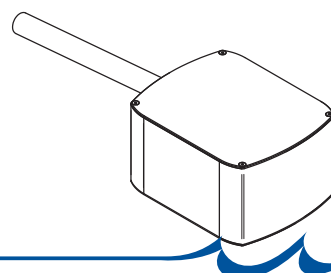
Controller box

A controller box with lid.

The box has inner dimensions of WHD 200 x 130 x 240 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: **19096-079 V/H 19096-079 V/H 19096-079 V/H**

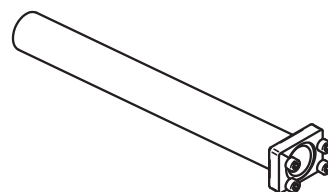


Armrest equipment - Tables etc.

Mounting block

A mounting block with four holes which measures 35 x 20 mm.

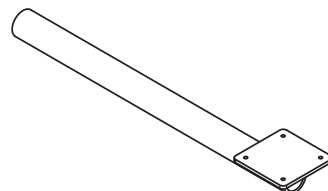
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-508 V/H	5911 V/H	5812 V/H



Armrest plate

A mounting plate with four holes which measures 55 x 55 mm.

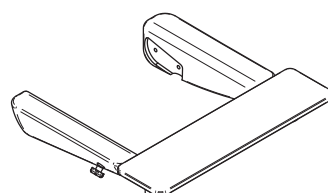
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-159 V/H	5902 V/H	5802 V/H



Keyboard table

A table that fits into both armrests providing support for a keyboard. The keyboard table can be swung aside when not in use.

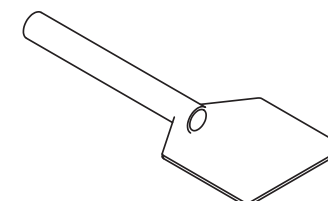
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-406	5905	5805



Computer mouse plate

A plate for a computer mouse.

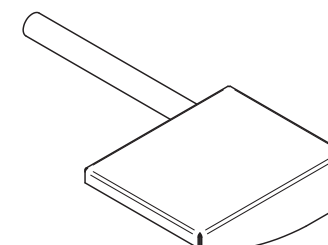
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-615 V/H	DEL-615 V/H	DEL-615 V/H



Armrest fitting for misc. equipment

A plate measuring 200 x 250 mm.

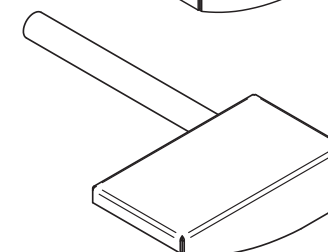
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	10640-109 V/H	5912 V/H	5811 V/H



Armrest fitting for misc. equipment

A plate measuring 140 x 200 mm.

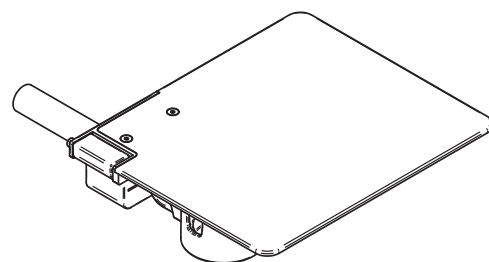
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-555 V/H	5907 V/H	5810 V/H



Fold up notepad table

Can be combined with other equipment, like a cup holder as shown on illustration.

Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	6803 V/H	6803 V/H	6803 V/H

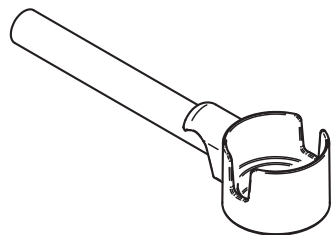


Armrest equipment - Joysticks etc.

Cup holder

Fits all models.

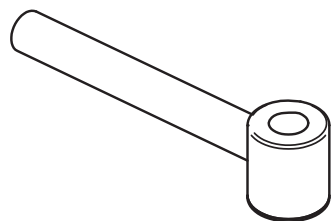
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-623 V/H	6801 V/H	5813 V/H



Joystick holder

For Ø60 mm joysticks.

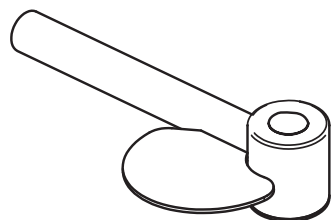
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-159 V/H	5904 V/H	5804 V/H



Joystick holder with trackball/ mouse pad

For Ø60 mm joysticks with a supportive plate for computer mouse.

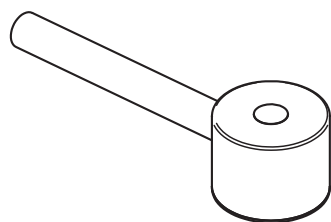
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-302 V/H	5908 V/H	5806 V/H



Joystick holder

For Ø100 mm joysticks.

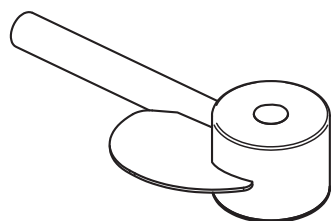
Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-483 V/H	5909 V/H	5807 V/H



Joystick holder with trackball/mouse pad

For Ø100 mm joysticks with a supportive plate for computer mouse.

Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right
Article no.:	DEL-302 V/H	5910 V/H	5808 V/H



Armrest equipment - Controller boxes II

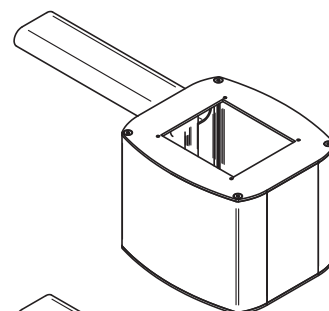
Controller box

A controller box with an opening of 95 x 115 mm in the top lid.

The box has inner dimensions of WHD 175 x 150 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A DEL-604 V/H N/A



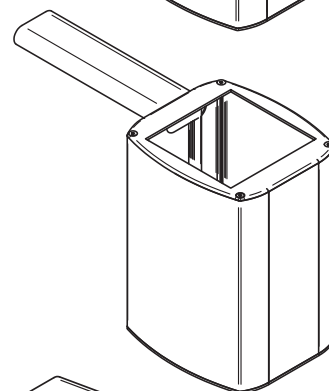
Controller box

A controller box with an opening of 137 x 137 mm in the top lid.

The box has inner dimensions of WHD 175 x 150 x 260 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A DEL-487 V/H N/A



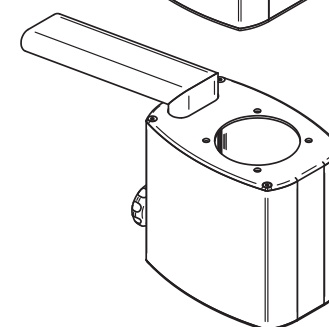
Controller box

A controller box with an opening of Ø91 mm in the top lid which is also height adjustable.

The box has inner dimensions of WHD 130 x 170 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A 5954 V/H N/A



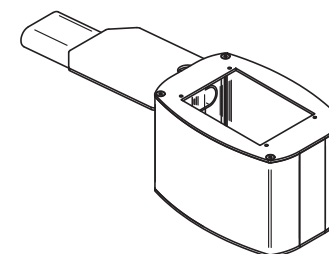
Controller box

A controller box with an opening of 86 x 134 mm in the top lid and a pad for mouse.

The box has inner dimensions of WHD 130 x 125 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A 5953 V/H N/A



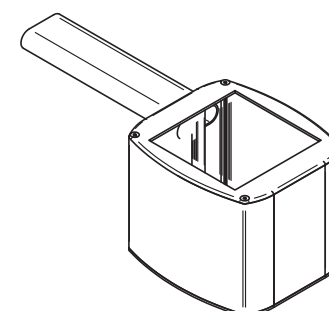
Controller box

A controller box with an opening of 135 x 135 mm in the top lid.

The box has inner dimensions of WHD 170 x 150 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A 5950 V/H N/A



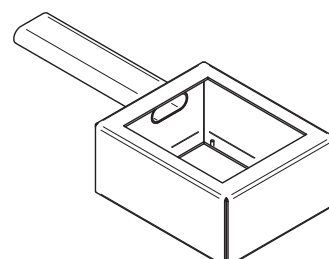
Controller box

A controller box with an opening of 150 x 176 mm in the top lid.

The box has inner dimensions of WHD 190 x 100 x 220 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: N/A DEL-1230 V/H N/A



Armrest equipment - Controller boxes III

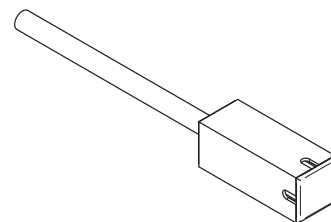
Controller arm

A mounting point for up to four trackballs.

The box has inner dimensions of WHD 75 x 75 x 200 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: DEL-451 V/H 5906 V/H 5809 V/H



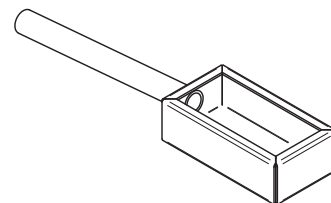
Controller box

A controller box with an opening of 81 x 175 mm.

The box has inner dimensions of WHD 100 x 55 x 195 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: DEL-482 V/H DEL-482 V/H DEL-482 V/H



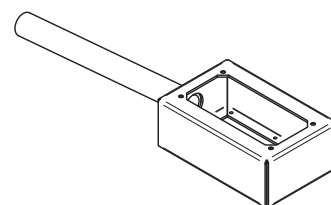
Controller box

A controller box with an opening of 75 x 160 mm.

The box has inner dimensions of WHD 120 x 65 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: DEL-1152 V/H 5914V/H 5814V/H



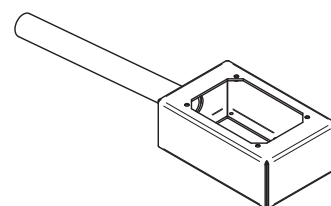
Controller box

A controller box with an opening of 90 x 130 mm.

The box has inner dimensions of WHD 120 x 65 x 190 mm.

Chair model: 2000 Left/Right 1500 Left/Right 1000 Left/Right

Article no.: DEL-1153 V/H 5915V/H 5815V/H



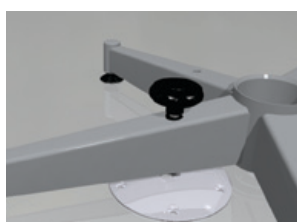
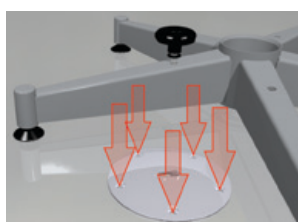
Office chairs equipment

Article No.: Description

R-0077 Wheel set for 5 star legged Office chairs.

R-0073 "Fix-it-to-the-deck" Mounting set for 5 star legged Office chairs.

Enables you to temporarily mount your office chair to the deck. By installing a deck flange that builds only 10mm, you ensure that your Office chair stays in place in rough weather. The chair is fixed by a simple press and turn - and released the same way.



Seat and armrest covers

Additional seat cover in fabric, complete with armrests.

A seat cover recommended for extreme use. The fabric sustains over 500 000 cycles Martindale. Is delivered in black fabric.

Chair model:	2000	1500	1000	800
Article no.:	N/A	6470	6050	6283

Additional seat cover in artificial leather, complete with armrests.

A seat cover recommended for in wet environments. Delivered in black artificial leather.

Chair model:	2000	1500	1000	800
Article no.:	N/A	6451	6041	6284

Additional seat cover in leather, complete with armrests.

An additional seat cover in black leather.

Chair model:	2000	1500	1000	800
Article no.:	N/A	6473	6052	6286

Additional armrest cover in leather

An additional seat cover in black leather.

Chair model:	2000	1500 Left/Right	1000 Left/Right	800 Left/Right
Article no.:	N/A	6471 V/H	6051 V/H	6285 V/H



Replacement cushions and armrests

Replacement seat and backrest cushions in black leather.

If your current chairs upholstery is damaged NorSap recommends changing the whole cushion.

For complete replacement cushions use the following article numbers based on your chair model.

Chair model:	2000 Seat/Backrest	1500 Seat/Backrest	1000 Seat/Backrest	800 Seat/Backrest
Article no.:	PUTE-079 / PUTE-080	PUTE-002 / PUTE-001	PUTE-004 / PUTE-003	PUTE-024 / PUTE-025

Replacement armrests cushions in black leather.

If your current chairs upholstery is damaged NorSap recommends changing the whole cushion.

For complete replacement armrest use the following article numbers based on your chair model.

Chair model:	2000 Left/Right	1500 Left/Right	1000 Left/Right	800 Left/Right
Article no.:	PUTE-081 V/H	DEL-128 V/H	DEL-144 V/H	N/A
For armrest containing additional equipment please use the following article numbers.				
Article no.:	N/A	DEL-129 V/H	DEL-143 V/H	N/A

Seat comfort equipment

The seat cushions can be equipped with some extra features.

Article no.:	Description
6480	Lumbar support - an extra adjustment for your lower back
6485	Heated seat

Must be ordered together with an complete cushion.

Seat belt

Four point seat belt

Chair model:	2000	1500	1000	800
Article no.:	N/A	6460	6460	6460

Two point seat belt

Chair model:	2000	1500	1000	800
Article no.:	N/A	6461	6461	6461



Seat top tilt

Tilt

Conversion kit that makes your chairs chair top forward tiltable.

Chair model:	2000	1500	1000	800
Article no.:	N/A*	6421	6040	6040

*The NorSap 2000 can have its backrest folded all the way backwards to ensure low height.

Communication

Loudspeaker integrated in headrest

Chair model:	2000	1500	1000	800
Article no.:	6486	6486	N/A	N/A

Microphone

Chair model:	2000	1500	1000	800
Article no.:	6487	6487	N/A	N/A

Microphone bracket

Chair model:	2000	1500	1000	800
Article no.:	6489	6489	N/A	N/A

Microphone bracket and microphone

Chair model:	2000	1500	1000	800
Article no.:	6481	6481	N/A	N/A



Storage

Article No.:	Description
6905	Document holder on back of backrest.
6905	Binoculars holder on back of backrest.
BES0410X52	Flexible packing net for mounting on back of backrest.



Care and maintenance

When the chair is used over a period of time, the leather will loose its shine and flexibility. A maintenance kit for the chairs in leather is available.

Article No.:	Description
6463	Leather maintenance set including 250ml Soft Cleaner and 250ml Leather protection cream with cloth and sponge.



Logo

The back of the back rest can be fitted with a logo or text of your choice.

Article No.:	Description
6467	Simple text of vessel, company or users name.
6468	Complete full colored logo on back of backrest.
6469	Advanced logo, several colors and patterns.



Stow-away-cover

A cover for the whole chair, preventing dust.

Article No.:	Description
6476	For large models
6477	For small models

Footrest equipment

Double footrests for shuttle-service boats

If you have a shuttle-service boat that require often change of direction a double footrest is practical.

Chair model: 2000 1500 1000 800

Article no.: 6215* 6215 6214 6209

*The NorSap 2000 is delivered with turnable footrest

Footrest loop

Increases the length of the footrest.

Chair model: 2000 1500 1000 800

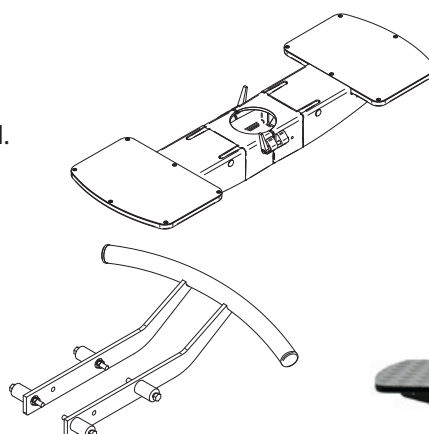
Article no.: N/A 6340 6030 N/A

Deck or wall mounted footrest

A standalone footrest.

Deck mounted Article no.: 6903

Wall mounted Article no.: 6902



Replacement gas-struts

Identifying your gas-strut

Compare the last digits on the sticker of the gas-strut to the list below. If the gas-struts sticker is unavailable you may measure the distance shown beneath when the gas-strut is in its longest position,

Article No.: **Length in outer position / Newton (the end numbers on the sticker)**













GAS-001	810/500N
GAS-002	430/500N
GAS-003	885/300N
GAS-004	685/150N
GAS-005	685/300N
GAS-006	785/150N
GAS-007	785/300N
GAS-011	885/150N
GAS-014	810/400N
GAS-016	250/500N
GAS-020	810/700N
GAS-021	215/600N
GAS-023	215/300N
GAS-024	810/800N
GAS-025	330/500N
GAS-026	710/500N
GAS-027	430/700N
GAS-028	215/300N
GAS-032	347/150N
GAS-033	810/300N
GAS-034	180/150N
GAS-035	275/300N
GAS-036	285/500N
GAS-037	1100/400N
GAS-038	670/300N
GAS-039	150/300N
GAS-040	219/150N
GAS-041	106/150N
GAS-042	80N
GAS-043	500/400N
GAS-044	430/700N
GAS-045	215/600N
GAS-046	810/1200N
GAS-047	500/500N
GAS-048	410/500N
GAS-049	369/600N
GAS-052	175/80N
GAS-053	245/150N
GAS-054	249/300
GAS-055	1060/850N
GAS-056	345/600N
GAS-057	267/300N
GAS-058	500/600N
GAS-059	330/600N
GAS-060	272/800N



Replacement wires

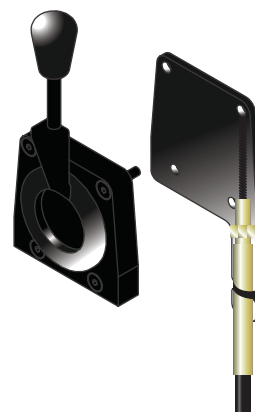
Identifying your wire

Use the list below to identify your cable. All lengths may vary 2-3 cm.

Length	Article No.:	Description
400 mm	Wire-018-400	
500 mm	Wire-013	
500 mm	Wire-017	
525 mm	Wire-018	
750 mm	Wire-014	
750 mm	Wire-021	
1000 mm	Wire-016	
1250 mm	Wire-015	
1250 mm	Wire-019	
1500 mm	Wire-004(R-0065)	
2000 mm	Wire-022	
2250 mm	Wire-012	

R-0065 replacement deckrail wire

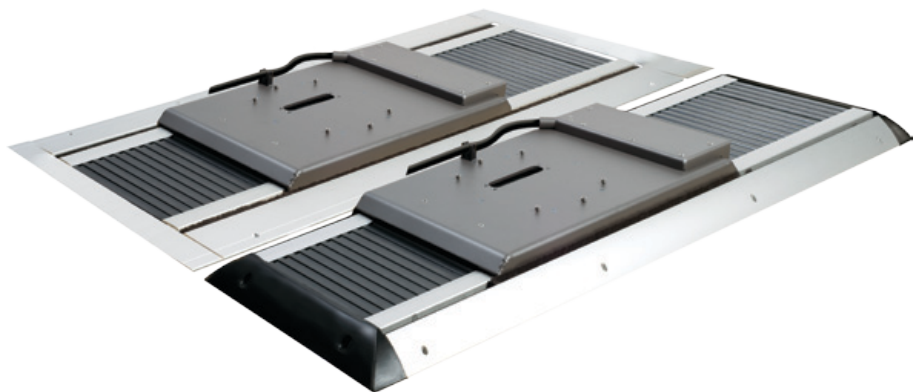
In older models the wire for deck rail release (WIRE-004) can break. This repair set contains a replacement wire and an additional strengthening plate with the wire stripped in place, which reduces the strain on the cable.



Deckrail spare parts

Some parts tend to get worn more than others. Under you have a complete list of spareparts regarding deck rails from NorSap

Article No.:	Description
	Antitrip for the wide standard deck rails.
R-0013	Topmounted deckrail of 1500mm length.
R-0014	Topmounted deckrail of 2000mm length.
R-0015	Topmounted deckrail of 2500mm length.
R-0016	Topmounted deckrail of 3000mm length.
R-0017	Flushmounted deckrail of 1500mm length.
R-0018	Flushmounted deckrail of 2000mm length.
R-0019	Flushmounted deckrail of 2500mm length.
R-0020	Flushmounted deckrail of 3000mm length.
	Antitrip for the narrow standard deck rails.
R-0028	Topmounted deckrail of 1500mm length.
R-0029	Topmounted deckrail of 2000mm length.
R-0030	Topmounted deckrail of 2500mm length.
R-0031	Topmounted deckrail of 3000mm length.
R-0032	Flushmounted deckrail of 1500mm length.
R-0033	Flushmounted deckrail of 2000mm length.
R-0034	Flushmounted deckrail of 2500mm length.
R-0035	Flushmounted deckrail of 3000mm length.
	Antitrip for the wide standard deck rails with brushes.
R-0050	Topmounted deckrail of 1500mm length.
R-0051	Topmounted deckrail of 2000mm length.
R-0052	Topmounted deckrail of 2500mm length.
R-0053	Topmounted deckrail of 3000mm length.
R-0054	Flushmounted deckrail of 1500mm length.
R-0055	Flushmounted deckrail of 2000mm length.
R-0056	Flushmounted deckrail of 2500mm length.
R-0057	Flushmounted deckrail of 3000mm length.
	Replacement brushes and ploughs for the MX deck rail.
R-0075	Deckrail of 2500mm length.
R-0076	Deckrail of 3000mm length.





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