

We are proud to be the world's leading manufacturer of operator chairs. For many years Norsap has developed and delivered high-quality products to customers worldwide. It's a privilege to have the opportunity to work with competent partners that allow us to improve our products' competitiveness and further strengthen our brand.

In Norsap, we strive to have a flat organizational structure, and I know all employees personally. We have a company culture that reflects involvement, fast decisions, focus on quality, honesty and a strong commitment. All our employees can influence our products, improvements and how we work.

We also have owners with a strong interest in the company, and they allow us to invest in new products, skilled people and modern facilities. When our sales department continues their contribution to our growth, developing existing and new customer relations, it inspires us all to carry on.

Norsap measure the use of energy, packaging and waste. We evaluate our levels compared to our goals and aim to contribute to a more sustainable industry.

Norsap has more than 50 years experience and is more economically robust, modern and efficient than ever. We look forward to further developing and improving the products, investing in our employees, and creating added value for our customers in the years to come.



PRODUCT MAGAZINE

THE GLOBAL LEADER IN PILOT,
OPERATOR AND HELMSMAN CHAIRS

DESIGNING BUILDING NORSAP



Norsap was established in 1969 as a one-man company. Its main product was aluminum snow shovels. The range soon expanded to include a wide variety of products such as boating equipment, aluminum doors and screens, all known for their high quality.

Over the years, we've developed and strengthened our expertise and skill set within aluminum production and assembly.

Norsap serves the global market from modern manufacturing facilities outside the port city of Kristiansand, Norway.

Dedicated to always meet our customers demands, Norsap supply world-class quality products in accordance with our ISO 9001 and ISO 14001 certification.

In order to maximize customer satisfaction and be the best possible partner, we are continuously developing our product range of both general and customized solutions.

WHY ALUMINUM?

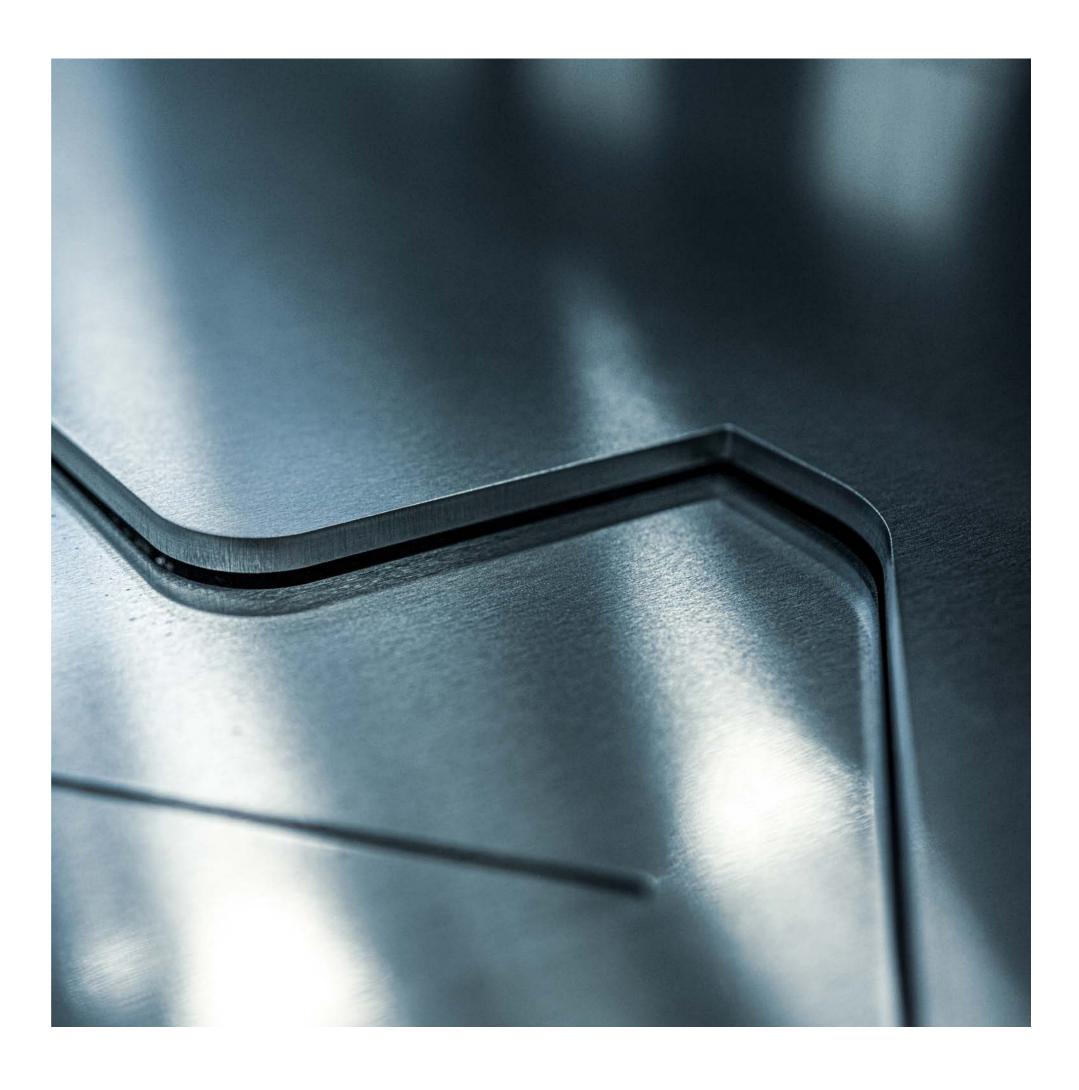
Aluminum is the third most abundant element in the earth's crust, after oxygen and silicon. There is, in other words, more aluminum than iron in this world, and the resources will last for generations with today's aluminum consumption.

A piece of aluminum weighs only 1/3 of one in steel. In addition to making it easier to handle in a factory or on a building site, aluminum's low weight also translates into reduced energy consumption during transportation. This makes aluminum not just a lightweight and versatile choice of material, but also economically viable and environmentally friendly.

Aluminum reacts with the oxygen in the air, forming a protective oxide coating that makes it corrosion resistant. This means less maintenance and replacements compared to metals like iron or steel. Reduced maintenance and less need for replacements are good news for both the environment and the overall budget of any project.

Few materials are as easily recycled as aluminum. It requires only 5 % of the energy needed to produce the initial primary metal to recycle it. In fact, 75 % of all aluminum ever produced is still in use.

Source Hydro.com



NORSAP AT THE HELM

The best helm chairs are made with high-quality materials that are also lightweight and durable. They should meet the specific vessel's needs in which they will be used. For example, they enhance the interior design or integrate with vital steering components.

Helm chairs by Norsap can meet these needs no matter what type of vessel – whether it be a supply yacht or an angler in The Arctic Ocean. From sunny skies and warm weather to the harsh arctic winter far from any coast, Norsap helm chairs are present.

Contact one of our many dealers and agents worldwide, or contact our head office located in Kristiansand to tell us what you need from your helm chair.

NORSAP 1000 and **NORSAP 1500** may be our most popular helm chairs, with or without extras like deck rails and joystick boxes. We believe there are no vessels these chairs won't fit and no conditions these chairs cannot survive.

NORSAP 1100 is present on military vessels and luxury yachts. Its slim and modern design does not compromise the comfort or function you can expect from this helm chair. The range of options for color, leather and backrest height offers a rare number of possibilities for a chair like this.

NORSAP 1600 has the strength of Norsap 1500, with a modern design. Given the full leather or aluminum backrest, you can find just what suits your vessel.

NORSAP 1800 offers a wide range of possibilities which includes several ergonomic adjustments. This chair can be adjusted to fit anyone.

Lynx Yachts Crossover 27

There are moments in life when the body and mind demand balance and the desire for a machine that encompasses the best of two worlds. Lynx Yachts' Crossover Series embodies this thinking and offers a range of vessels that provide the versatility of the YXT Series with the elegance and style of the Adventure Series. The Crossover is neither one nor the other but something in between and firmly ahead of the game.



NORSAP ICONS

HOW TO ADJUST



Manual adjustments

Adjustments need to be unlocked and put into the desired position.



Assisted adjustments

Adjustments are assisted into place with a positive or negative air spring.



Electric adjustments

Adjustments are assisted into place with an electric actuator or motor.

ADJUSTMENTS



Adjust Backrest angle

Adjust your backrest for focus or comfort.



Adjust Seat height

Depending on your upper arm length.



Seat sliders

Get closer to the bridge.



Seat pan front tilt

Adjust the angle on the seat pan.



Adjust Back tilt

Adjust the angle on the seat pan.



Adjust Front tilt

Adjust the angle on the seat.



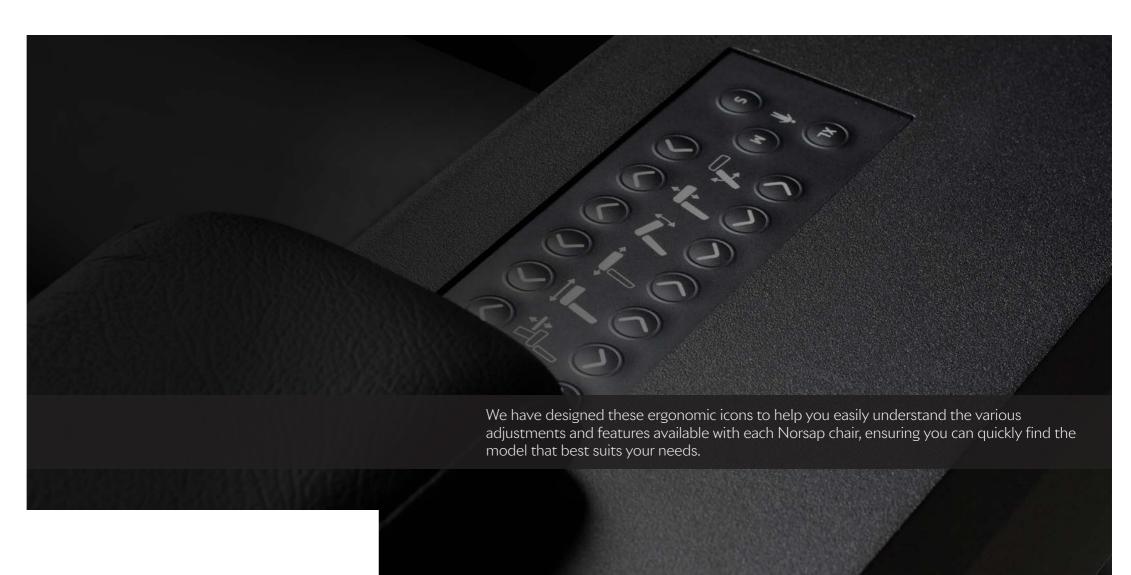
Seat pan depth

Depending on your upper leg length.



Sit / Stand transition

Shake loose.



ADDITIONAL FEATURES



Memory

Store your preferred working position for different situations or users.



Norsap Quicksize

Quickly adjust the whole chair based on your three sizes.



Shock mitigation

Operate for longer.



Flip up footrest

Flip the footrest away to get more space in front of the chair or when not in use.



Flip up seat

Makes the chair smaller.



Flip up armrests

Get easier and faster out of the chair.



High Speed Craft

Go to norsap.no to see certificates.

SEAT AND TABLE ADJUSTMENT



Seat sliders



Adjustable column Adjust your height.



Fixed column For a fixed and clean looking column.

Twist-Lock

Remove or relocate the column.



Spring Column

Column rotation Rotate the seat or table.

Spring suspended More comfort.

JOCKEY



NORSAP 100 art.nr Go to norsap.no for more models.

1060 - Norsap 100 Jockey - Nyx upholstery 1070 - Norsap 100 Jockey - Integral foam



THE SEAT'S LIGHTWEIGHT DESIGN CONTRIBUTES TO IMPROVED ACCELERATION, MANOEUVRABILITY, AND REDUCED CARBON EMISSIONS DUE TO ITS LOW WEIGHT.



PERFORMANCE



NORSAP 150 art.nr

Go to norsap.no for more models.

- Norsap 150 Performance - Seat only

- Norsap 150 Perfomance - Explore Outdoors

- Norsap 150 Performance - Explore Indoors

- Norsap 150 Performance - Ultimate Outdoors

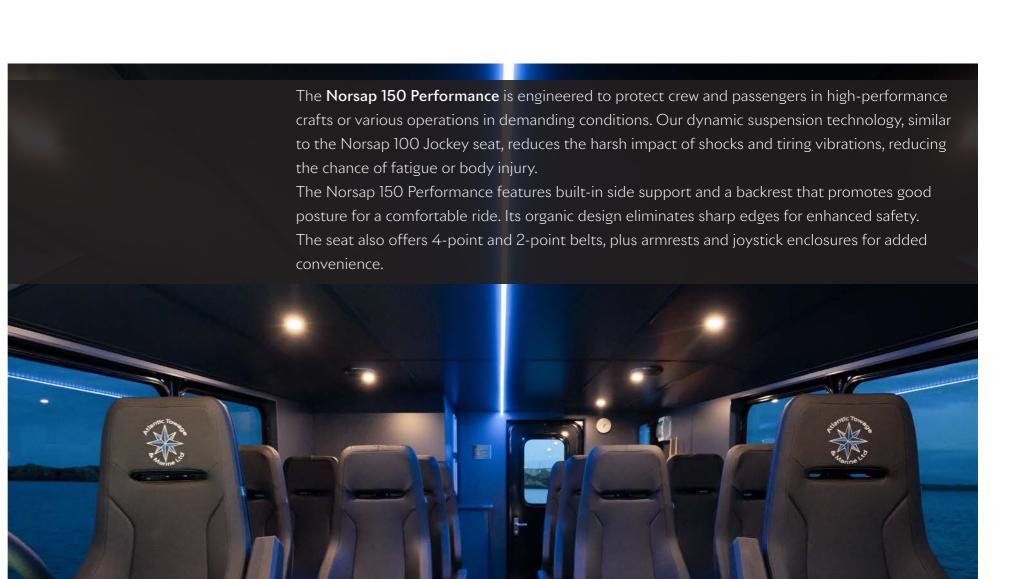
- Norsap 150 Performance - Ultimate Indoors

- Norsap 150 Armrests - Add on





THE NORSAP 150 PERFORMANCE IS A DEDICATED SUSPENSION SEAT FOR MARITIME USE. THE SEAT HAS AN ORGANIC DESIGN WITHOUT PROTRUDING OR SHARP EDGES FOR SAFETY AND CONVENIENCE.



Norsap 150 Ultimate Performance is perfect for faster demanding operations in harsh and challenging conditions. Norsap Ultimate Performance is also recommended for heavier users on such as SAR or faster leisure boats in less demanding seas.

Norsap 150 Explore Performance is ideal for SAR and leisure at lower speeds.

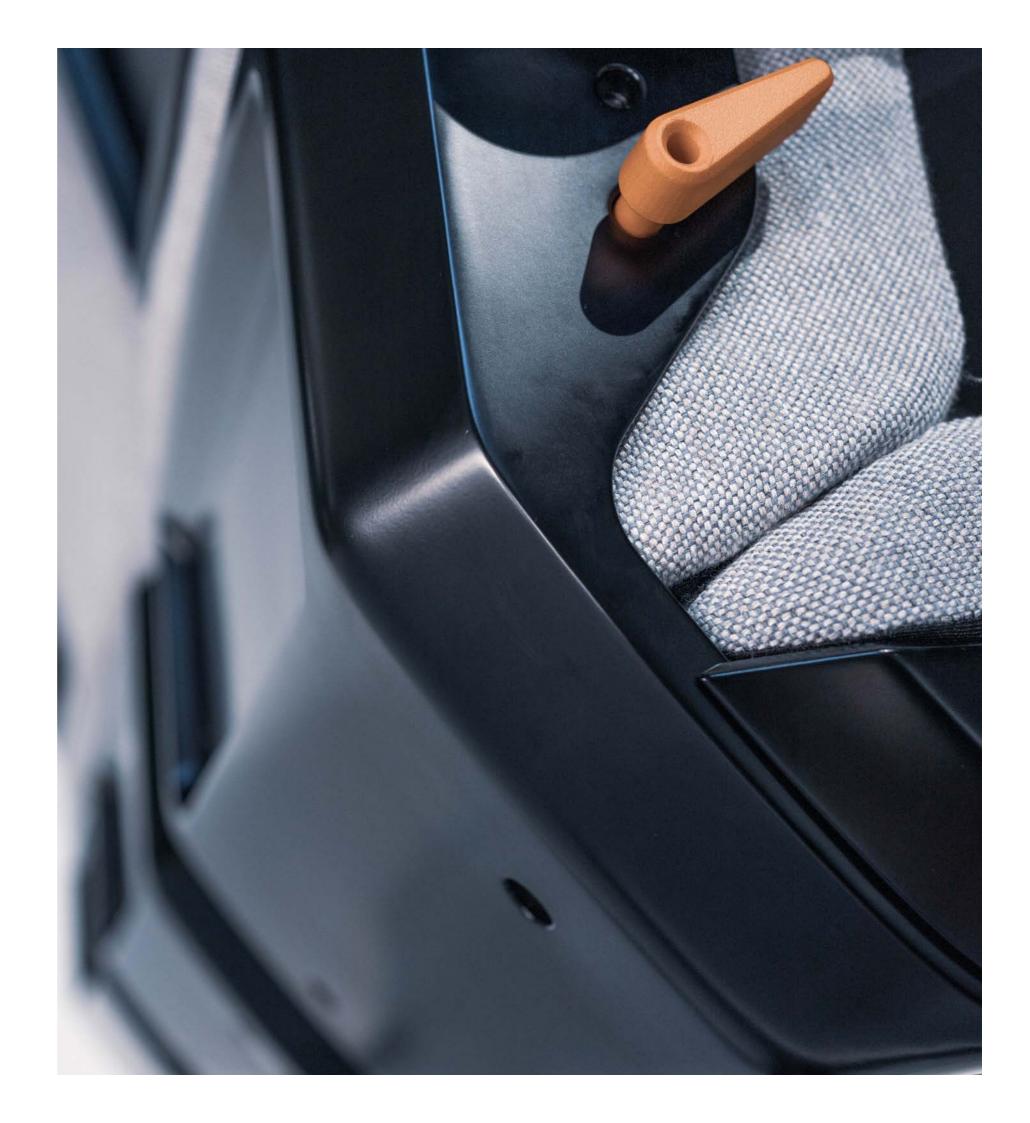
Photo by Mooney Boats

ECC



Norsap 500 ECO is all about traveling in comfort and style without leaving a heavy footprint behind. Fit more chairs on each row with less weight per seat without compromising design and comfort. Norsap 500 ECO will always be a versatile and timeless chair for your passengers. It has never been more important to travel together with less.

The Norsap 500 ECO can be fitted with all the necessary accessories that the passengers may need: a fold-up table, USB chargers, flip-up or fixed armrests, a net for storage, hooks for personal belongings and space for life jackets under the seat. Choose between two different locations to place the release handle to set the backrest in their preferred position or fixed backrest.





NORSAP 800 art.nr

Go to norsap.no for more models.

- Norsap 800 Light - High

Norsap 800 Light - Fixed column wo/footrestNorsap 800 Light - Fixed column w/footrest

- Norsap 800 Light Office - Fixed column wo/footrest



THE NORSAP 800 IS MORE CAPABLE THAN THE PRICE AND LOOKS WOULD INDICATE. WITH SIX ERGONOMIC ADJUSTMENTS, THIS MAY BE THE BEST CHAIR FOR THE TIGHTEST SPACES AND BUDGETS.

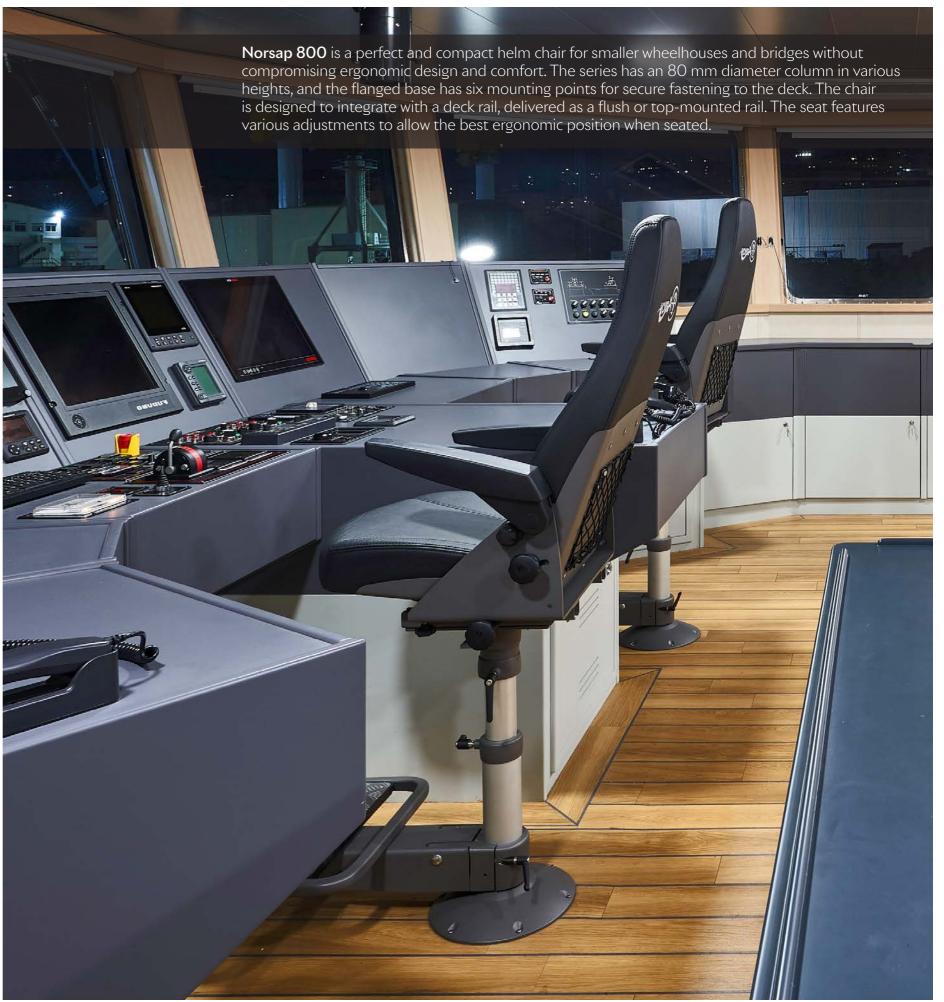


Photo by ARMON Shipyard



NORSAP 1000 art.nr

Go to norsap.no for more models.

- Norsap 800 Light - High

- Norsap 800 Light - Fixed column wo/footrest

Norsap 800 Light - Fixed column w/footrestNorsap 800 Light Office - Fixed column wo/footrest



























THE NORSAP 1000 IS ALSO THE SMALLEST CHAIR THAT CAN ACCOMMODATE ADD-ONS SUCH AS **ENCLOSURES FOR JOYSTICKS AND BUTTONS YOU** MIGHT NEED ON THE CHAIR.

Norsap 1000 is a chair that fits in most vessels. There are options of having accessories integrated into the armrests such as joysticks, cup holders, mouse or note tables. The chair is mounted on a 100 mm diameter column, creating a firm base for the footrest and seat. The flanged base is designed for permanent deck mounting but can also integrate with an optional deck rail solution. The chair features various adjustments to allow for the best ergonomic position when seated. Standard adjustments are the backrest, seat position on glide rails, 360° rotation, gas-dampened height adjustment, flip-up adjustable armrests and fold-up footrest.



Photo by ARMON Shipyard

COMFORT



NORSAP 1500 art.nr

Go to norsap.no for more models.

- Norsap 1500 Comfort - High

- Norsap 1500 Comfort - Low

- Norsap 1500 Comfort - High w/Controller armrest

- Norsap 1500 Comfort - Low w/Controller armrest

- Norsap 1500 Comfort - Electrical Column

- Norsap 1500 Office Comfort - High

- Norsap 1500 Office Comfort - Low

























THE PERFECT CHAIRS FOR RUGGED ENVIRONMENTS.

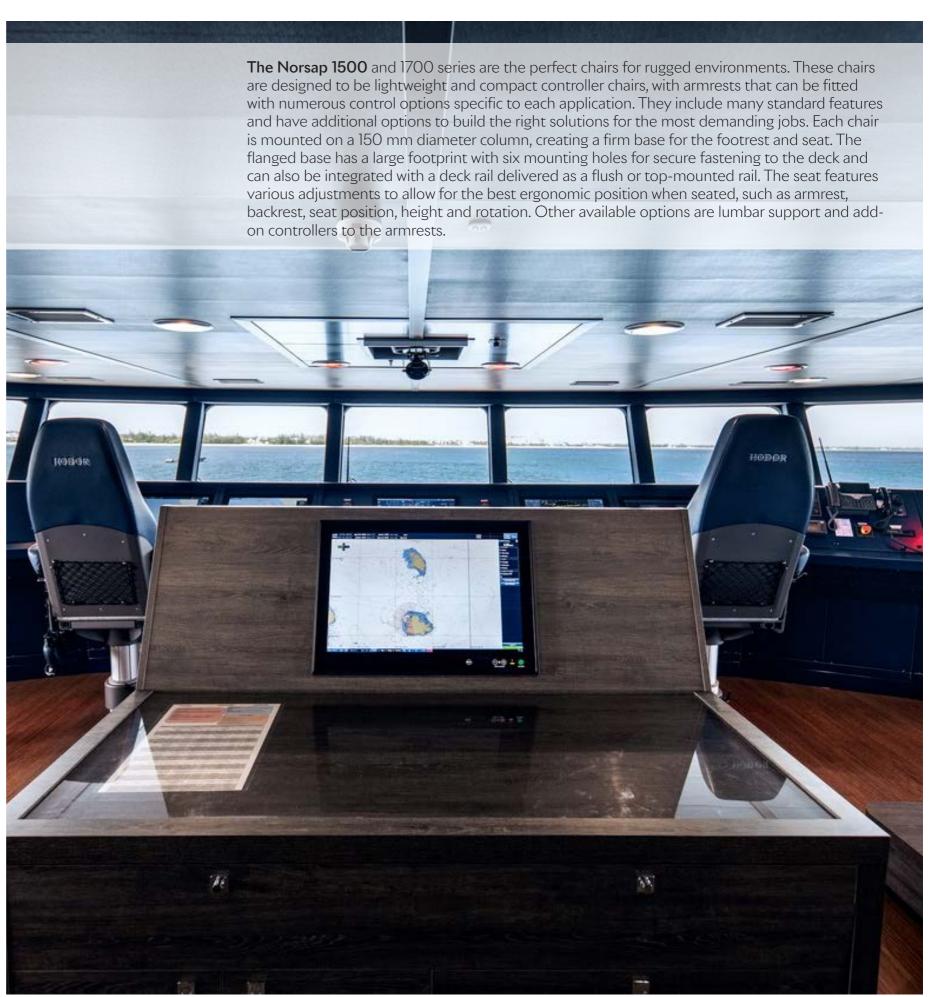


Photo by Clint Jenkins - HODOR Yacht

NORSAP INNOVATION & DESIGN

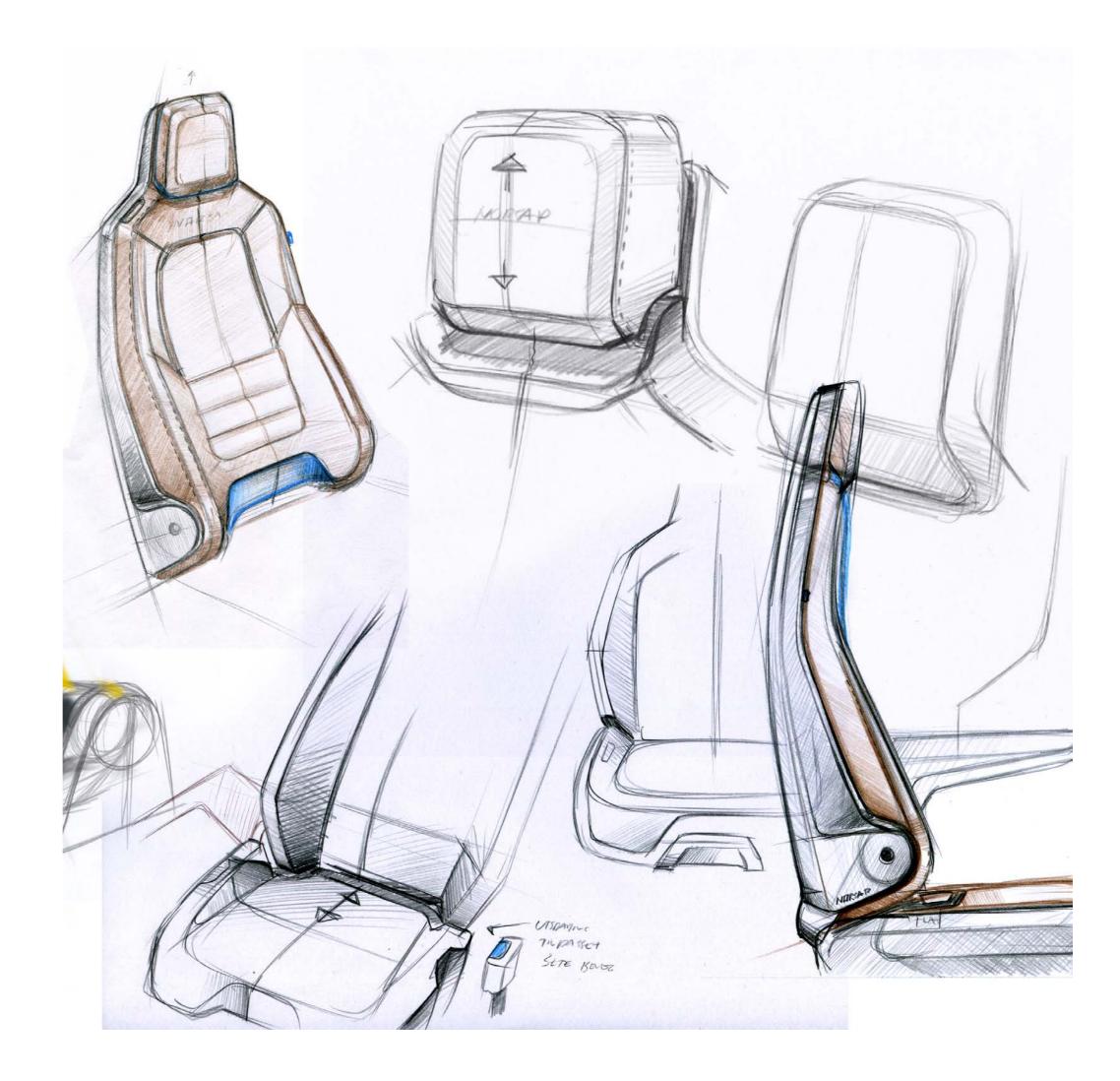
Making a perfect chair is one of the classic industrial design challenges that many designers dream about. In many ways, it defines the essence of what industrial design is all about: «Bridging the gap between man and machine.»

In our case, a chair does not only have to be aesthetically pleasing and comfortable. It also has to perform according to marine regulations and fit our customer's unique requirements. At Norsap, we have an in-house design team ready for your disposal, whether it's a minor fix to one of our standard chairs or a completely new and exciting concept.

One of the most rewarding moments of a designer's job is sharpening the pencils and sketching away for hours, creating a wall of ideas. Then comes months of adjustments, engineering and testing.

The second most rewarding moment is the first time you glimpse the finished product at the bridge of a ship and recognize the DNA of the Norsap design. Perhaps in the form of the distinct shoulder line, side profile, or the Y-shaped upholstery pattern. In terms of developing a particular design language, we must consider the product's long life span. Therefore we tend to keep the design clean and elegant to stand the test of time.

Martin Meiholt
Industrial Designer - Norsap AS



NORSAP 1100 INTEGRATED



NORSAP 1100 art.nr

Go to norsap.no for more models.

- Norsap 1100 Integrated - Low w/o footrest

- Norsap 1100 Integrated - Medium

- Norsap 1100 Integrated - High























The Norsap 1100 series offers a modern design solution with comfort and ergonomics in mind. The seat features various adjustments to allow for the best ergonomic position when seated. Standard adjustments are the backrest, seat position on glide rails, 360° rotation, gasdampened height adjustment, flip-up armrests and fold-up footrest. The chair is mounted at a 150 mm x 200 mm oval column or a 100 mm diameter column, creating a firm base for the footrest and seat. The flanged base is designed for permanent deck mounting but can also integrate with an optional deck rail solution.



Photo by Marine Technologies

STANDARD



NORSAP 1600 art.nr Go to norsap.no for more models.

- Norsap 1600 Standard S - High / Leather backrest

8510 - Norsap 1600 Standard S - Low / Leather backrest

8600 - Norsap 1600 Standard S - High / Alu. backrest

8610 - Norsap 1600 Standard S - Low / Alu. backrest

8700 - Norsap 1600 Standard M - High / Alu. backrest

8710 - Norsap 1600 Standard M - Low / Alu. backrest 8525 - Norsap 1600 Office S - Low / Leather backrst

8550 - Norsap 1600 Standard S - Yacht footrest / Leather backrest



NORSAP 1600 HAS THE STRENGTH OF NORSAP 1500 WITH A MODERN DESIGN. YOU CAN FIND JUST WHAT SUITS YOUR BOAT WITH THE FULL LEATHER OR ALUMINUM BACKREST.



Photo by Lynx Yachts - YXT 24 EVO

ACTIVE



NORSAP 1800 art.nr Go to norsap.no for more models.

- Norsap 1800 Standard M - High - Norsap 1800 Standard M - Low

- Norsap 1800 Standard S - Low - Norsap 1800 Standard S - High

















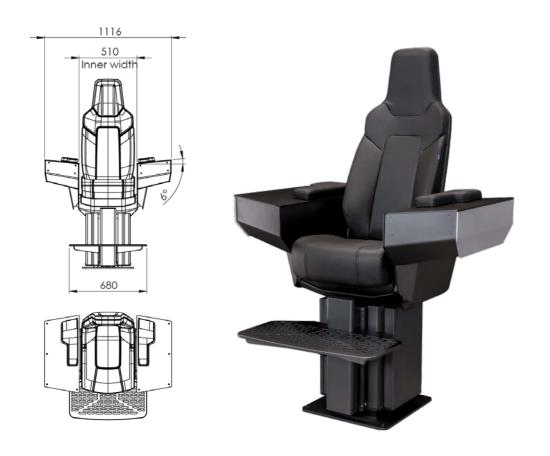
NORSAP 1800 IS NOT ONLY FULL OF POSSIBILITIES, BUT IT ALSO HAS HIGHLY ADJUSTABLE ERGONOMICS. THE CHAIR CAN BE ADJUSTED TO FIT 90% OF USERS.

The Norsap 1800 Active chair series provides numerous options and configurations, ensuring full adjustability for the operator. With a modular chair system designed for optimal customer component integration. The Active chair series has a fully gas-spring actuated ergonomic system with six adjustment features, ensuring optimal working positions for the user. The flanged oval column or the XL column has a large footprint and four mounting holes to secure the deck. The series integrates with the Impulse deck rail, delivered as flush or top-mounted. Standard adjustments are front and back tilt, forearm and upper arm adjustment, rotation, gas-dampened height adjustment, flip-up armrests and fold-up footrest.



Photo by LIEBHERR - HLC series

IMPULSE



NORSAP 4000 art.nr Go to norsap.no for more models.

- Norsap 4000 Impulse - Medium armrests w/Fixed XL column

- Norsap 4000 Impulse - Medium armrests w/XL column

- Norsap 4000 Impulse - Large armrests w/Fixed XL column

- Norsap 4000 Impulse - Large armrests w/XL column















AN EXTENSIVE MODULE-BASED CHAIR SYSTEM OFFERING ENDLESS COMBINATIONS AND OPTIONS.

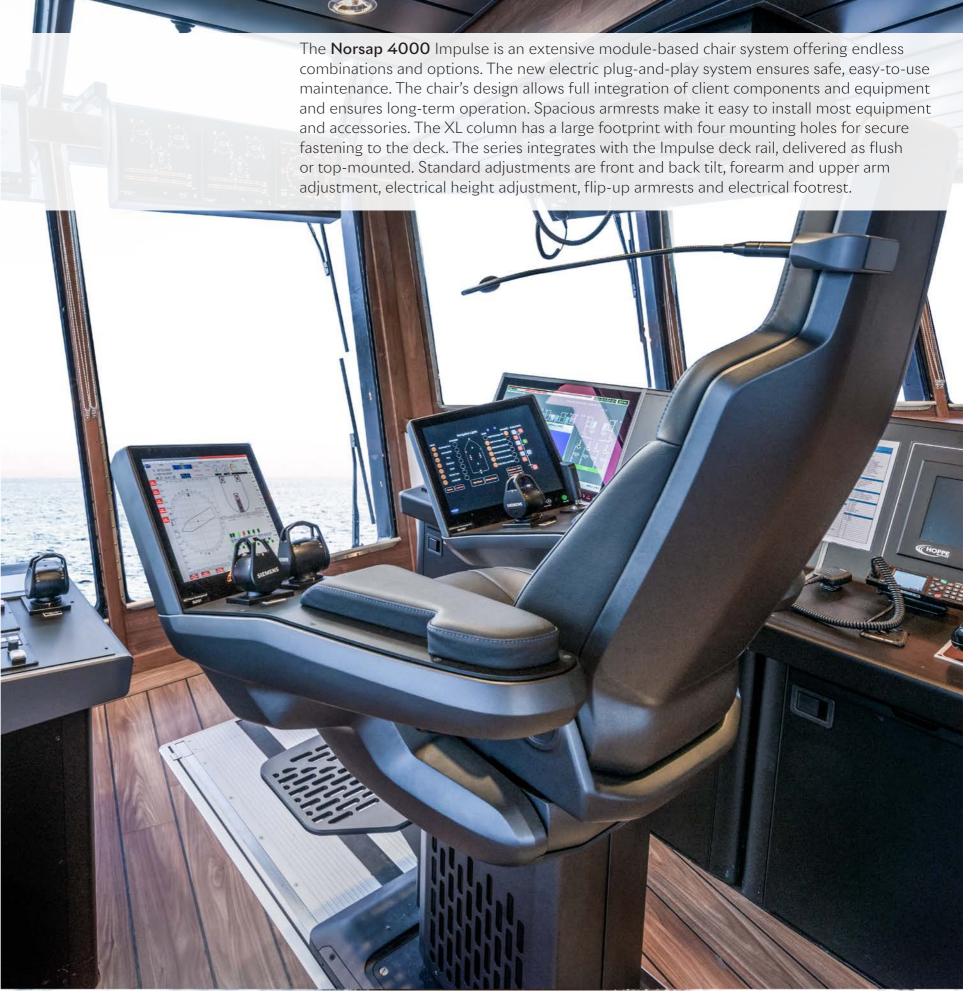


Photo by Marine Technologies

AGILE

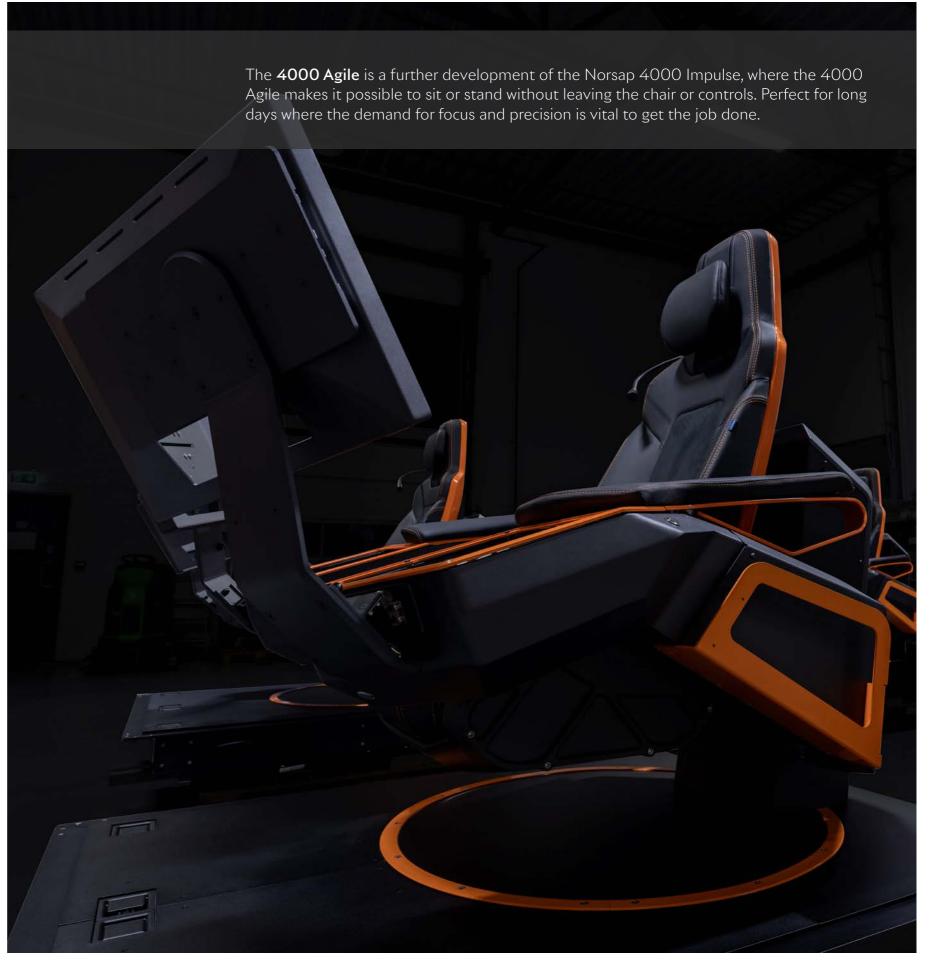


NORSAP 4000 art.nr Go to norsap.no for more models.

8990 - Norsap 4000 Agile



THE BEST CHAIRS DON'T DRAW YOUR FOCUS - YET SOME CAN'T HELP BUT TURN HEADS.



NORSAP AGILE

You don't want to think about your chair. You're in the world's toughest environment, you have a job to do, and you're under pressure. Your chair should be the last thing on your mind.

There isn't much you can take for granted in this world, but you should be able to trust that your chair will offer support, comfort and security.

When you need to stretch your legs during an extra challenging shift or get a better overview, you shouldn't have to worry about taking your hands off your tools or finding the right moment.

You shouldn't even have to think about it. Your chair should stand up with you; the seat should get out of your way. Just like that. Effortless. That is Norsap 4000 Agile.

- Kjetil Jøhannessen

Marketing and product manager - Norsap AS



NORSAP PERSONALISED SEATING

TRANSFORM YOUR WORKSPACE WITH A CHAIR THAT'S UNIQUELY YOURS. WITH NORSAP, YOU CAN EXPERIENCE THE PERFECT SYNERGY BETWEEN COMFORT AND PERSONALISATION.

Experience a new level of comfort with Norsap's custom-made chairs, tailored to your unique needs.

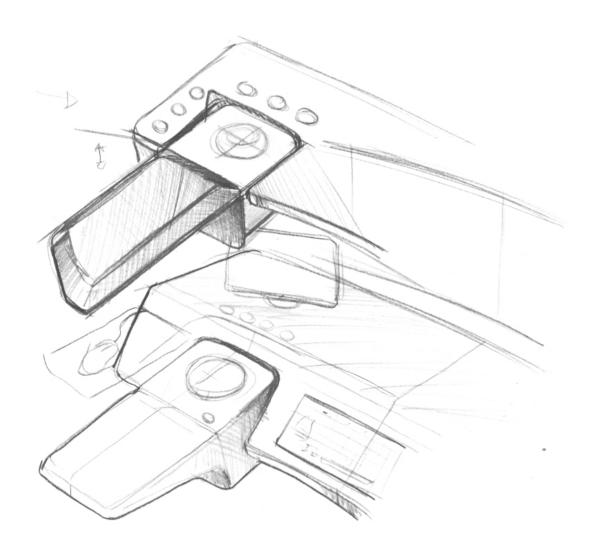
With a heritage spanning over three decades, our dedication to providing personalised seating solutions has stood the test. We invite you to enhance your seating experience by personalising your Norsap Chair today.

Select from a diverse range of premium materials, fabrics or leather, each meticulously crafted to harmonise aesthetics with enduring quality.

Whether aligning with your corporate identity or expressing your unique style, our custom colour palette ensures seamless integration into your workspace.



NORSAP CUSTOMISATION



Norsap offers a flexible product range that can be tailored to both your body and your workspace. Our modular product design provides a variety of options, allowing you to select the ideal combination to meet your requirements.

Our production and R&D team stands ready to further develop your next high-end custom solutions to optimize your performance in any environment.

We learn from every new challenge. Whether it's joystick boxes, monitor holders, or an entirely customised solution, Norsap will deliver a high-quality product.

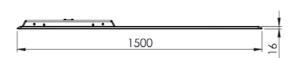
THE NORSAP TEAM IS ALWAYS THERE FOR YOU - READY FOR THE NEXT CHALLENGE.

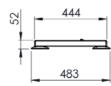






NORSAP DECK RAILS

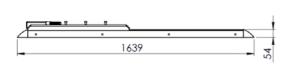


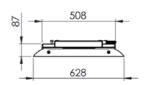


BASIC DECK RAILS art.nr

Go to norsap.no for more models.

6676-(LENGTH) - Top mounted for Norsap 800 6677-(LENGTH) - Flush mounted for Norsap 800 6652-(LENGTH) - Top mounted for Norsap 1000 6653-(LENGTH) - Flush mounted for Norsap 1000 6650-(LENGTH) - Top mounted for Norsap 1500 6651-(LENGTH) - Flush mounted for Norsap 1500





STANDARD DECK RAILS art.nr

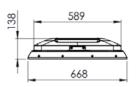
Go to norsap.no for more models.

6250-(LENGTH) - Top mounted Narrow for Norsap 800/1000/1100 6251-(LENGTH) - Flush mounted Narrow for Norsap 800/1000/1100

6350-(LENGTH) - Top mounted for Norsap 1500 6351-(LENGTH) - Flush mounted for Norsap 1500

6354-(LENGTH) - Top mounted w/cable conveyer for Norsap 1500 6355-(LENGTH) - Flush mounted w/cable conveyer for Norsap 1500

1548



IMPULSE DECK RAILS art.nr

Go to norsap.no for more models.

6695-(LENGTH) - Top mounted for Norsap 1500/1600/1800/4000 6696-(LENGTH) - Flush mounted for Norsap 1500/1600/1800/4000

Norsap Basic deck rails are top-, or flush-mounted deck rails with a low height and an elegant design that gives credit to the deck-produced in high-quality aluminum and stainless steel. For rougher use, we recommend the Standard deck rails.

Norsap Standard deck rails are high-quality deck rails designed for all kinds of environments. Stable and solid, which can be released and locked from a sitting position. Produced in high-quality aluminum: delivered top-mounted or flush. For larger chairs and more cables, we recommend the Impulse deck rail.

Norsap Impulse deck rails is a strong, elegant electric rail system for all kinds of environments.



Photo by SEAM - MF HYDRA

NORSAP ON YACHTS

Norsap has developed perfect pedestals in pleasure boats, yachts, vans, RVs and more. Whether it's for seats or tables, we have many options to satisfy every boater's needs.

Norsap Seat pedestals have options such as fixed height, adjustable height, and spring or gas-dampened styles.

Norsap Table pedestals have options such as a removable base, fixed height, adjustable height and assisted styles that offer the right product for every user.

They are designed with a modern look, using innovative solutions and high-quality materials.

All columns are standard anodized aluminum. The flanges are powder-coated white aluminum or polished 316 stainless steel finish.



Photo by Nimbus Group

SEAT PEDESTALS

1110 / 1110BL art.nr

Go to norsap.no for more models.

1110- / 1110BL - 150 1110- / 1110BL - 195 1110-/1110BL-300 1110- / 1110BL - 350 1110- / 1110BL - 400 1110- / 1110BL - 450 1110- / 1110BL - 500 1110- / 1110BL - 550 1110- / 1110BL - 600 1110- / 1110BL - 650







1110- / 1110BL - 700 1110- / 1110BL - 750 1110- / 1110BL - 800







1400- / 1400BL - 350 1400- / 1400BL - 400 1400- / 1400BL - 450 1400- / 1400BL - 500 1400- / 1400BL - 550 1400- / 1400BL - 600









1476 - 1486 / BL art.nr Go to norsap.no for more models.

1476- / 1476BL - 325 - 420 1479- / 1479BL - 360 - 490 1480- / 1480BL - 415 - 520 1481- / 1481BL - 440 - 550 1487- / 1487BL - 500 - 750 1486- / 1486BL - 575 - 800











Norsap has developed perfect solutions for Seat pedestals. We have a large variety of options to satisfy every boater's needs. Options such as fixed height, adjustable height, and spring or gas-dampened styles offer the right product for every user. They are designed with a modern look, using innovative solutions and high-quality materials.

All columns are offered with anodized aluminum tubes and rotation. The flanges are powder-coated white aluminum or polished 316 stainless steel finish.



Photo by Nimbus Group

TABLE PEDESTALS

1610 / UD / UDBL / BL art.nr Go to norsap.no for more models.

1610UD - 420 - 680 1610UDBL - 420 - 680 1610 - 360 - 690 1610BL - 360 - 690









2060 art.nr Go to norsap.no for more models.

2060 - 330 2060 - 590 2060 - 610 2060 - 650 2060 - 680 2060 - 700 2060 - 710 2060 - 760 2060 - 860 2060 - 870

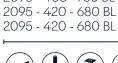




2091 / 2095BL art.nr Go to norsap.no for more models.

2091 - 420 - 680

2095 - 403 - 760 BL 2095 - 420 - 680 BL









1610UDBL

Norsap has developed perfect solutions for Table pedestals in pleasure boats, yachts, vans, RVs, and more. Options such as a removable base, fixed height, adjustable height and assisted styles offer the right product for every user. They are designed with a modern look, using innovative solutions and high-quality materials.

All columns are offered with anodized aluminum tubes and rotation. The flanges are powder-coated white aluminum or polished 316 stainless steel finish.



Photo by Nimbus Group

NORSAP LANDING STAGE LADDERS

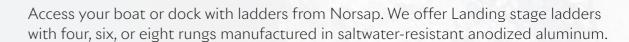
HANDRAILS art.nr Go to norsap.no for more models.

4360 - **4 Rungs** 4361 - **6 - 8 Rungs**



LADDERS art.nr Go to norsap.no for more models.

4351 - 1150 mm - **4 Rungs** 4350 - 1700 mm - **6 Rungs** 5352 - 2240 mm - **8 Rungs**



The ladders have wide rungs and solid handrails and are easy to install.

Norsap landing stage ladders can be flipped up when not used and removed for winter storage.



Photo by NORDOCKS



Blk 1 Defu Lane 10, #04-567 SINGAPORE 539182

Tel: + 65 6282 5376

Email: trasia@singnet.com.sg sales@trans-asiatic.com

Website: www.trans-asiatic.com