

DECCA

Heavy duty straight line wipers

– FOR ALL SHIP CATEGORIES



DECCAwiper

WWW.DECCAWIPER.COM

DECCA STRAIGHT LINE WIPERS

OUR MISSION

Since our first prototype in 1992, our mission has always been to deliver equipment and service that satisfies our customers. We strive to build relationships with our customers that are founded on our core values of honesty, cooperation and communication.

Delivering a quality product is only part of a good business relationship. We support our customers not only with the best wiper systems but also

- Short delivery times
- Competitive prices
- Excellent customer service

See your nearest Decca distributor and experience the difference. On behalf of Decca Wiper Systems AS, thank you for your interest in our products.

Kind regards



Johannes Wergeland
General Manager
DECCA WIPER SYSTEMS AS



PRODUCT INFORMATION:

KEY FEATURES & BENEFITS

- Suitable for all ship categories
- Robust and smart design
- Cleans up to 90% of the window
- Fully adjustable wiper arm
- Stroke length up to 350 cm
- Voltage: AC (110/220V) or DC (24V)
- Easy installation and maintenance
- Variable speed and intermittent
- Automatic parking function
- Heated wiper casing
- Optional water spray with air purge
- Optional dual arm setup

THE HEAVY DUTY ALTERNATIVE

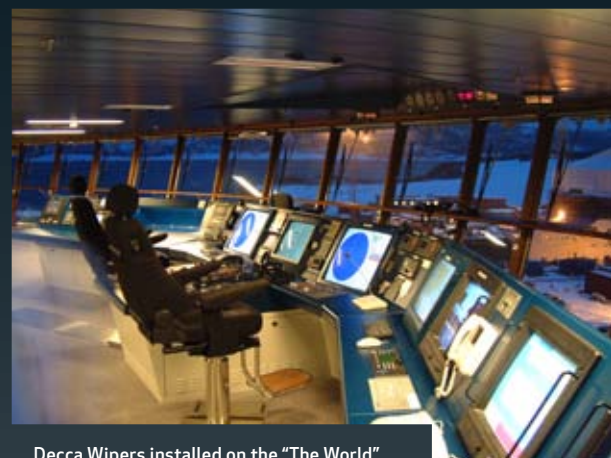
Decca straight line wiper systems are built in Norway and engineered to survive the rigors of the North Sea. With unique technical design features and built with only high quality materials, Decca wipers meet the demand for efficient and reliable wiper operation in extreme weather conditions.

VISIBILITY

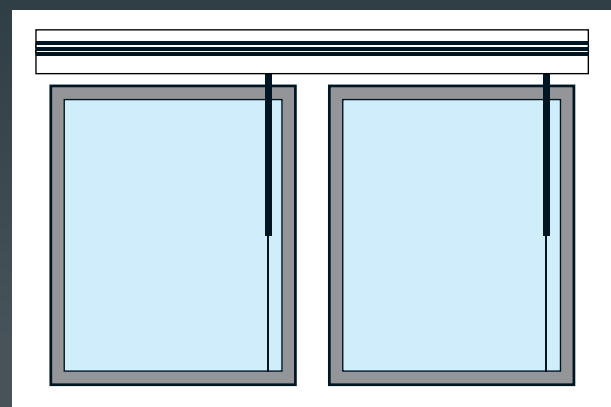
Modern shipbuilding design takes full account of visibility requirements. Larger wheelhouses with an omni-directional view are part of this trend. As a result, there is an increase in window area that must be kept clear in all weather conditions. Decca straight line wipers are designed to meet these demands with reliable and efficient operation in heavy rain, storm conditions, sleet, and even snow.

CUSTOM DESIGNED WIPERS FOR ALL WINDOW SHAPES

The stroke length can be set to any distance from 45 to 350 cm, and wiper blades range from 40 to 100 cm. For tall windows, an additional wiper can be installed below the window frame, increasing the wiped area by up to 100 percent. For wide windows, the wiper unit can be equipped with an extra arm and wiper blade. The dual arm setup allows a longer combined stroke length compared to the standard unit. One dual wiper unit can also be set to cover two adjacent windows.



Decca Wipers installed on the "The World".



Decca dual wiper covering two adjacent windows.

TECHNICAL DETAILS:

LIST OF MATERIALS

- Main structure: Corrosion resistant anodized aluminium
- Wiper arm: Stainless steel (316L)
- Track rollers: Hardened polyamide
- Driving belt: Reinforced polyurethane
- All other parts: 316L or corrosion resistant anodized aluminium

UNIQUE CABLE CONNECTOR

The waterproof (IP67) cable connection system is a unique feature with Decca wiper systems. This allows the cable to be connected or disconnected from the wiper unit within seconds. Combined with the easily accessible wiper fixing brackets, it takes less than five minutes to detach a wiper unit from the bulkhead. Simple maintenance work that would otherwise take several hours due to poor working conditions on site can be efficiently executed indoors for your convenience.

WATER SPRAY SYSTEM

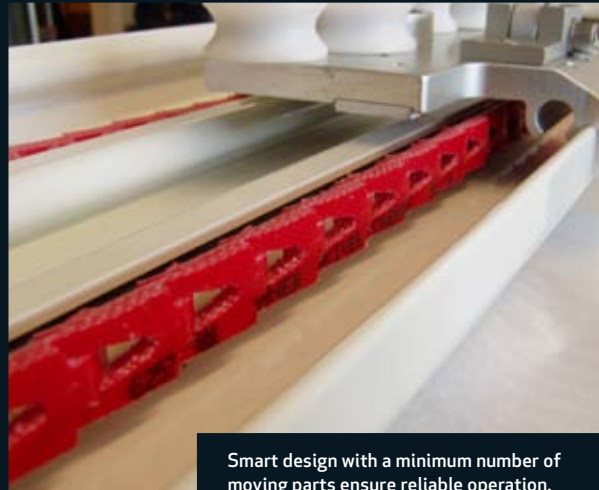
Decca wipers come with an optional water spray system that consists of 12 mm piping and nozzles, all in stainless steel (316L). The piping can be fitted onto the wiper fixing brackets, or it can be installed directly onto the bulkhead.

AIR PURGE SYSTEM

The optional air purge system prevents trapped water from freezing within the pipes or nozzles at sub zero temperatures. The Decca air purge system consists of solenoid air valves and an electronic valve controller with a programmable timer function (1 to 60 seconds).

MOTOR

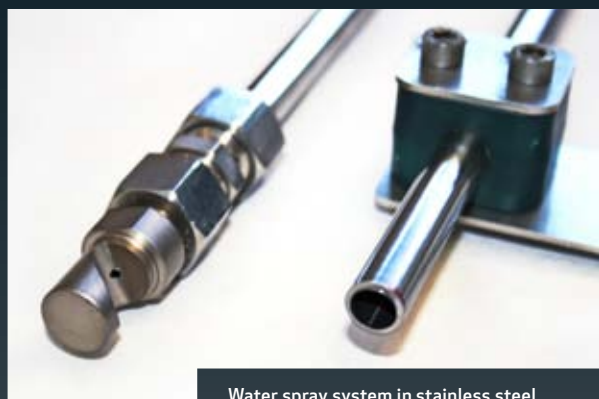
The featured heavy duty motor is specifically engineered for maximum durability. Thanks to innovative technology, this motor delivers maximum torque throughout the entire speed range, which translates to a linear and powerful output (110Nm). The motor is installed directly onto the wiper main structure, eliminating noise and the need for a complex driveshaft bulkhead penetration. For weather protection, all motors are sealed (IP66).



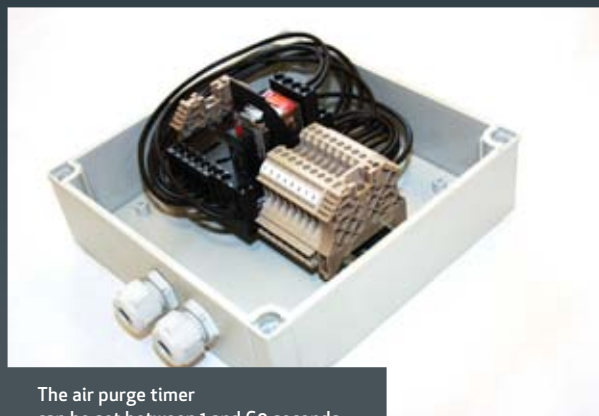
Smart design with a minimum number of moving parts ensure reliable operation.



Cable connectors are factory installed on all wiper cables.



Water spray system in stainless steel.



The air purge timer can be set between 1 and 60 seconds

WIPER ARMS

For light duty (LD) applications, the lightweight and minimalist single arm is often the preferred choice. The LD arm supports wiper blades up to 800 mm. Besides more stability and ruggedness, the dual heavy duty (HD) alternative also features a more advanced spring tension adjustment. The HD arm supports wiper blades up to 1000 mm.

DECCA CONTROL SYSTEMS

Based on variables such as the number of wiper units, wiper groups and water spray zones, the control system is individually adapted to meet the relevant requirements for each vessel. There are two controller series available.

THOR CONTROLLER SERIES

- Supports up to 40 wipers
- Supports up to 4 separate wiper groups
- Supports up to 4 water spray zones
- Optional air purge function
- Heater function with LED indicator
- Step-less motor speed control
- Step-less intermittent timer
- Heavy duty toggle switches
- Custom versions available on request

ODIN CONTROLLER SERIES

- Supports up to 100 wipers
- Supports up to 5 separate wiper groups
- Supports up to 5 water spray zones
- Built-in air purge function
- Heater function with LED indicator
- Adjustable speed and intermittent
- Soft-touch keypad
- LED indicated speed setting for each group
- Dimmer (night mode) function
- Auto-resume function in standby mode



LD single arm and HD double arm, both in stainless steel.



Thor controller series.



Odin controller series.

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