

# XSLW

## External Straight Line Wiper

scanwipers®



XSLW's have been designed to wipe large areas of bridge windows. They are ideally suited to windows that are wider than the height. The use of the twin option can ensure very economical wiping on large areas or adjacent windows.

Designed to meet ISO/DIS 17899, XSLW have been designed using the best suited materials for this application. 316 stainless steel coupled with marine grade aluminium to ensure reliability and long life.

They can be installed above, below or side on (vertical) to the window and are also suitable for most irregular shaped windows.

Self Parking can be user set at either end of stroke from the control keypads within sectors e.g. all wipers within a given sector can park on either one side or the other when set.

The wiper motor housing is supplied to IP67 rating and is designed for external use.

### External Straight Line Wipers Single:

Arm Max. 1000mm  
Blade Max. 1300mm

### Twin:

Arm Max. 500mm  
Blade Max. 1200mm

**DNV**

**DET NORSKE VERITAS**

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-12887

This is to certify that the  
**Window Wipers**  
with type designation(s)  
**scanwipers®**  
Manufactured by  
**Scanwipers A/S**  
Aabenraa, Denmark

is found to comply with  
Det Norske Veritas' Rules for Classification of Ships and Det Norske Veritas' Offshore Standards

Application  
See page 2

Havvik, 2012-08-29  
for Det Norske Veritas AS

This Certificate is valid until  
2015-08-30

DNV local office:  
Fredrikstad

DNV head office:  
Oslo

DNV Veritas AS, Veritansveien 1, NO-1202 Hovik, Norway. Tel.: +47 67 57 89 00, Fax: +47 67 57 89 11, Dag/Nr. NO 945 748 801 501A www.dnv.com  
Form No.: TA 1018, Issue: October 2009 Page: 1 of 2

Certificate No.: A-12887  
File No.: 847 15  
Job No.: 252.1-012912-2

**DNV**

**Product description**

XSLW	Straight Line Wiper, single arm, externally mounted motor
TSLW	Straight Line Wiper, twin arm, externally mounted motor
ISLW	Straight Line Wiper, single arm, internally mounted motor
ISLW	Straight Line Wiper, twin arm, internally mounted motor
Para	Parabolic Wiper, internally mounted motor
SW CANBUS	Scanwipers CANBUS Control System

**Application/Limitation**  
For marine and offshore applications.  
Installation to be performed according to the manufacturer's installation and operation manual. SW CANBUS and motor parts for XSLW, TSLW and Para shall be mounted in protected area.  
When installed on ships with class notations NAUT-AV, NAUT-OC or NAUT-DEVAL, the window wiper system shall comply with the minimum blade coverage and speed/frequency requirements described in the relevant class notation rules.

**Type Approval documentation**

Reg. No.	Title
DNV-CP-016	Manual: Scanwipers, scanwipers® CANBUS Marine Window Wiping Control System: Installation, Maintenance and Operation Manual
FAN/CMC/0905/08/01/14	Manual: Scanwipers, scanwipers® Parabolic Wiper: Installation, Maintenance and Operation Manual
ISLW/04/0905/08/01/14	Manual: Scanwipers, scanwipers® Single and Twin Externally Mounted Motor Straight Line Wiper: Installation, Maintenance and Operation Manual
ISLW/04/0905/08/01/14	Manual: Scanwipers, scanwipers® Single and Twin Internally Mounted Motor Straight Line Wiper: Installation, Maintenance and Operation Manual
2010-11-10	Report: Durability Performance Test report for Scanwipers and SW CANBUS equipment
Appendix 1	Report: Durability Appendix 1, Log for internal straight line wiper
Appendix 2	Report: Durability Appendix 2, Log for internal straight line wiper
Appendix 3	Report: Durability Appendix 3, Log for parabolic wiper
Appendix 4	Report: Durability Appendix 4, Log for twin internal straight line wiper
Appendix 5	Report: Durability Appendix 5, Log for twin internal straight line wiper
11.1432 issue 02	Report: Durability Appendix 6, Log for test rig time test
11.1432 issue 01	Report: Marine Systems, Shock Tests, Wipers & Control Systems
2008	Report: Marine Systems, Wipers & Control Systems
2008	Report: P&ID, Environmental tests

**Tests carried out**

- Environmental Tests, IEC 60945 (2002)
- Performance Tests, ISO 17899 (2004)

**Marking of product**  
The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location and in addition the equipment shall be marked with serial number, safe distance to magnetic compass and power consumption and Type Specification according to ISO 17899.

**Certificate Retention Survey**  
A retention survey is to be performed at least every second year, and upon renewal of this certificate.  
The scope of the retention survey is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without approval by the Society.

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Form No.: TA 1018, Issue: October 2009 Page: 2 of 2

scanwipers®



# XSLW

## External Straight Line Wiper

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### External Straight Line Wipers

Wipe speed:

Fast/slow – 1.3/0.6 m per second

DC motor: 24 V DC

De-icing heater:

Length: Watts:

250mm 50 W

500mm 100 W

750mm 150 W

Heaters suitable for Arctic conditions to minus 25 degrees Celsius

Park Sensor: Inductive park sensor

Magnetic safe compass distance is 1 meter.

Mounting: Above, below or side (vertical) to the window.

Spray nozzles:

Below 1 meter, 1 spray jet.

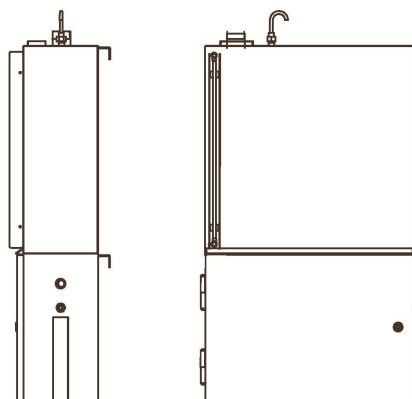
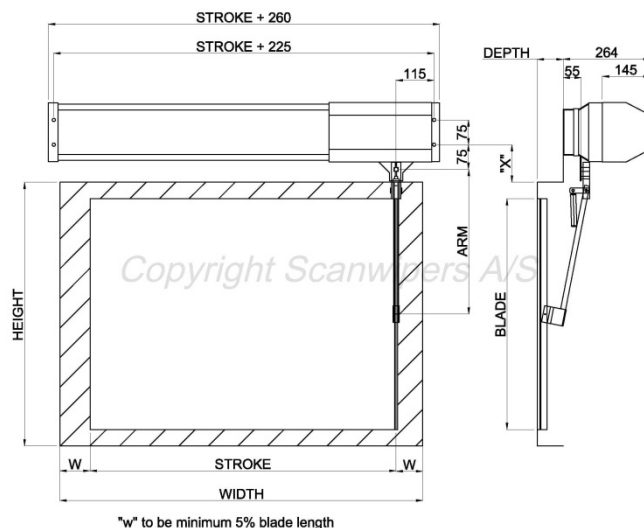
Above 1 meter, 2 spray jets.

6mm tubing. To be supplied on site.

### Window Washing Systems

Water tanks - pumps

Spray nozzles



SPEED (Rpm)	MOTOR POWER (Watts)			TORQUE (NM)			CURRENT (A)				
	CONT	1 HOUR	15 MIN	CONT	1 HOUR	15 MIN	12V	24V	50V		
							2.1	1.3	0.6	No load current (A)	
4000	160	200	250	0.4	0.5	0.6	16.7	8.3	4.1	Full load current (A)	

Dealer:

scanwipers®

