



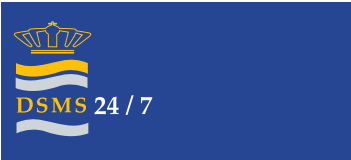
# DAMEN

DAMEN SCHELDE MARINE SERVICES

## INTRODUCTION

Damen Schelde Marine Services (**DSMS**) is an independent operating company within the *Royal Schelde Group*, which in turn is part of the *Damen Shipyard Group*. Our main area of operation is the manufacturing and supply of diesel engine parts, primarily for the marine industry.

Having been a *licensee manufacturer* of *New Sulzer Diesel* for over 70 years, **DSMS** has a wealth of technical knowledge and experience. This enables us to supply our customers with “*added value support*”.



## ONE STOP SHOP PHILOSOPHY

Over the years, **DSMS** has developed a sophisticated software program (an ERP system in combination with the latest portal technology). This enables both customers and suppliers to access **DSMS** online 24 hours seven days a week. Based on consignment/conventional stock, **DSMS** is able to create a “one stop shop” for the marine industry requirements.

**DSMS** has made additional steps to further integrate the supply chain. With the integration of new software modules designed for our one stop shop philosophy, **DSMS** is able to interface electronically (EDI) with both vessel owners and manufacturers.

We have created a unique database with catalogues of more than 8000 individual vessels. With these catalogues, **DSMS** is also able to comply with the latest IMO (Marpol annex VI) regulations. With warehouses in several strategic locations, **DSMS** is always close to the preferred delivery point.



Having been the first licensee manufacturer of Sulzer main engines. Damen Schelde Marine Services has accumulated over 90 years of experience. With our stock of almost all wear and tear parts we can offer a high service level. Combined with our in-house forwarding department, urgent deliveries can be made immediately. Supply is available from our warehouses in Vlissingen The Netherlands (in the centre of the ARA region) , Shanghai and Singapore.

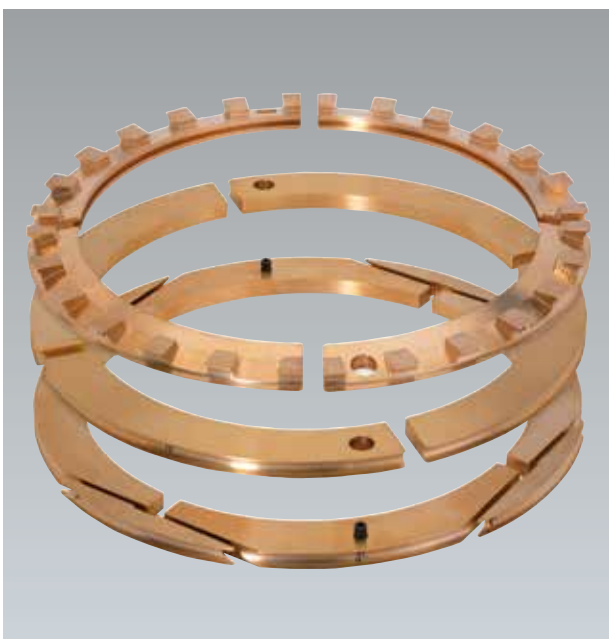


Parts supplied by DSMS are meeting the latest required product specifications and are therefore of the highest quality standard. All class relevant parts will be supplied with a class certificate when applicable.

Our supply scope covers the complete range of following engine types:

- RT-Flex
- RTA
- RL
- RND
- RD

Together with our success of supplying Sulzer engine parts, Damen Schelde Marine Services provides an equal quality and service in the field of B&W type of engine parts. This will guarantee a high quality and together with a continuously expanding stock we are able to offer a high service level. For our B&W type engine parts we maintain the same strict procedures in manufacturing and quality control. Combined with our in-house forwarding department, urgent deliveries can be made immediately. Supply is available from our warehouses in Vlissingen The Netherlands (in the centre of the ARA region), Shanghai and Singapore.



Our supply scope for B&W type main engine parts covers the following engine types:

- 50MC
- 50MC-C
- 50MCE
- 60MC
- 60MC-C
- 60MCE



## DAMEN SCHELDE MARINE SERVICES

### AUXILIARY ENGINE PARTS

A continuously increasing scope of wear and tear parts for the auxiliary engines are available from stock. With our in-house knowledge, quality control and almost 100% coverage of all wear and tear parts we can guarantee a high service level. Combined with our in-house forwarding department, urgent deliveries can be arranged immediately.



Our supply scope covers the following engine types:

#### **Daihatsu type:**

- DC17
- DK20

#### **Yanmar type:**

- N21
- N18
- EY18

#### **B&W type:**

- 16/24
- 23/30(H)

#### **Sulzer type:**

- S20
- AL

#### **Wartsila type:**

- 20
- 32

Damen Schelde Marine Services has a close cooperation with several original equipment manufacturers. A variety of products that we supply are coming from Japan. Examples are bearings, exhaust valve spindles, exhaust valve seats, fuel cams, fuel pump blocks and actuators.

#### **Bearings:**

We stock original Daido metal main and connecting rod bearings for the **Daihatsu and Yanmar** type of auxiliary engines.

#### **Daihatsu:**

- DK20
- DC17
- DL20
- DL22
- DS22
- PS26

#### **Yanmar:**

- N21
- N18
- EY18
- M200
- M220
- T220



#### **Exhaust valves and valve seats:**

From the original exhaust valve and valve seat manufacturers. Damen Schelde Marine Services keeps stock of both Sulzer, Wartsila and B&W type exhaust valves and seats.

#### **Sulzer/Wartsila type:**

- RT-Flex
- RTA

#### **B&W type:**

- 50MC (-C)
- 60MC (-C)



## DAMEN SCHELDE MARINE SERVICES

### ENGINE PNEUMATICS / REXROTH HYDRAULICS

Over the years, Damen Schelde Marine Services has become an expert in the field of engine pneumatic spare parts. We offer our clients a complete scope of AVENTICS valves, cylinders and repair kits from stock.

#### Aventics is formerly known as:

- Wabco Westinghouse
- Rexroth Pneumatics
- Mecman



# AVENTICS<sup>®</sup>

Sales Partner

# Rexroth Bosch Group

Sales partner

With 70 years of experience as an OEM Sulzer engine manufacturer, Damen Schelde Marine Services has full documentation of the entire engine configuration. We know which repair kits are needed for your Sulzer components. We can recognize the relevant parts from their original part numbers, the Sulzer code numbers or even with the item numbers from the schematic layout. During the years, we have built up an almost complete Wabco-Nabco and NSN Rexroth cross-reference list. Even for B&W engine types we have a growing database of its code numbers.

We also supply:

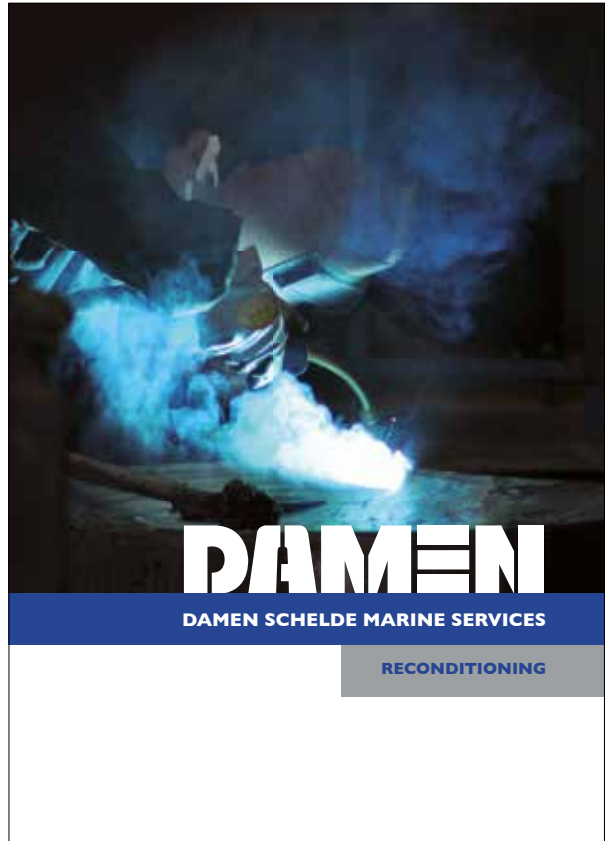
- Rexroth Hydraulics
- Herion Pneumatics
- Hydraudyne hydraulics / Pneumatics
- Eugen Seitz

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### RECONDITIONING AND SERVICE

- Piston crowns, exhaust valve spindles, cylinder covers and other reconditioned engine parts are available on exchange and or direct sale basis.
- Cylinder heads and connecting rods can be reconditioned and re-assembled from Vlissingen and Shanghai.
- Fuel pumps, plungers and barrels, spindle guides and fuel nozzles can be completely reconditioned from Vlissingen.
- Overhaul and trouble shooting of pneumatic systems during dockings or port calls around the world can be offered including spare parts needed.
- Import / export, quality control preformed by our inhouse forwarding and quality department.







## SCOPE

A wide range of spares is directly available from stock for a worldwide delivery within 24 hours. Our scope covers the following engine or system types:

- SULZER
- B&W
- DAIHATSU
- YANMAR
- AVENTICS (REXROTH/WABCO)
- SERVICE
- RECONDITIONING
- NAVAL SPARE PARTS

## GLOBAL NETWORK



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## AGENCY NETWORK

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- INDONESIA • CYPRUS • JAPAN • TAIWAN • KOREA • U.S.A. • BULGARIA • FRANCE • SPAIN

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