

**Hydraulic products**

# **Offshore & Maritime**

***R&S* HYDRAULIEK**



## About R&S

**You could say that we have hydraulic fluid in our veins, 25 years already with an R&S heart pumping it. With years of experience selling hydraulic components and related products, there is an almost 100% chance that we can help you with your hydraulic related question(s).**

Our people originate from the finest hydraulic companies; Rietschoten & Houwens, many years a leading hydraulics company in The Netherlands, and Parker Denison who need no further explanation. We do what we do best: selling hydraulic pumps and motors, but also valves, cylinders, measuring equipment... anything that has to do with hydraulics.

### **Why R&S Hydrauliek?**

Because we do our best to answer you quickly, because we carry a large inventory and/or because we will find your product elsewhere if we do not have it in our own stock. The customer is number one, you do not necessarily need a part number when ordering, tell us what you are looking for and we will offer you a solution. Therefore many of our customers have been very loyal from the very beginning.



## Applications



### Winches

Hydraulic motors, reduction gears and brake systems for winches.

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### Propeller shafts

Brakes and controls for propulsion shafts.

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### Cutter heads

Hydraulic motors and reduction gears for cutter head drives.

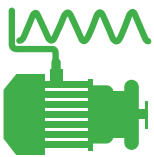
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### Conveyer belts

Hydraulic motors, reduction gears and brake systems for winches.

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### Vibrators

Hydraulic motors and reduction gears for sieve installations and piling equipment.

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R&S is specialized in hydraulic systems, parts and service. We have a number of representations and we can help you with anything related to hydraulics. We carry different brands of pumps, motors and valves as well as measuring equipment and cylinders.

**“ We assist companies nationally and internationally with hydraulic and drive-related issues, calamities with components, brakes, systems and controls.”**



Cranes



Hoists / Winches



Offshore

# Elephant Brakes for Offshore and Marine Applications

They are tough – the high-performance brakes from Elephant Brakes by Rietschoten for industrial applications. The often unfavorable climatic conditions in the marine and offshore area – salt water, moisture, storms, heat and frost – are counteracted with special coatings, surface treatments and the use of corrosion-resistant materials. In addition to the individual components, there are also fully assembled brake systems that are individually customized. Especially in the field of marine applications, brake systems are mostly indispensable as a shaft locking device and are generally much cheaper than, for example, a motor brake. The quick response time and the compact design of the ready-to-connect brake units convince when used in cranes, hoists or winches. The design of the brake systems and units is carried out by experienced technicians and conforms precisely on the on-site requirements of the system – not the other way around.

## Many ways to meet your needs:

- Salt water resistance due to nickel plated brakes
- Complete impermeability (max. IP 67)
- Corrosion and explosion protection (category 2 according to ATEX directive 2014/34/EU)
- Highest Yacht Standard
- Color coating according to customer requirements
- Seal welding
- Monitoring systems
- KTA compliance
- Hydraulics
- Pedestals and steel construction
- Controller
- Wiring
- Piping
- Brake discs
- Couplings
- Hubs
- Repairs by experienced mechanics if necessary

## Top-brakes for your safety:



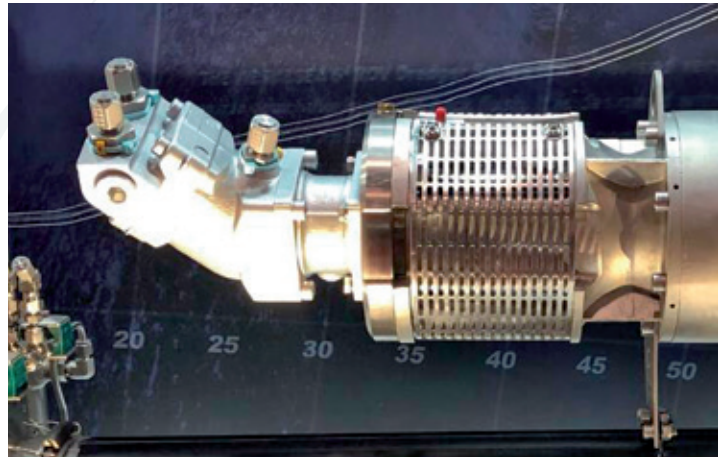
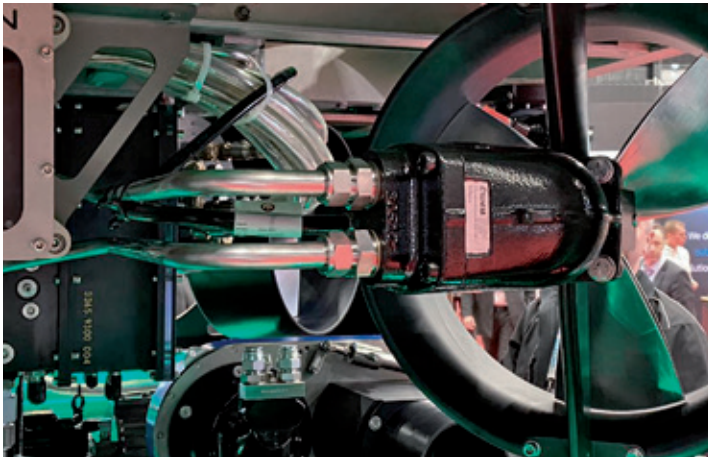
## About

Wherever industrial motion needs braking, Elephant Brakes have been reliably at work for over 50 years. Thanks to the modular construction of the systems and a well-planned modular design system, braking solutions are possible for practically every demand. The industrial disc brakes are Made in

Germany and manufactured in the highest quality according to the standards of a DIN EN ISO 9001-certified quality assurance system. Elephant Brakes are distinguished by their compact size, quick response time, high reliability and outstanding braking power. [www.elephantbrakes.com](http://www.elephantbrakes.com)



# HYDRAULIC MOTORS FOR DEMANDING APPLICATIONS

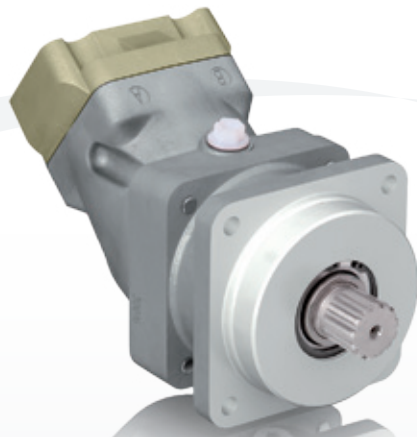


Sunfab is a world leader in hydraulics. Technologically advanced hydraulic pumps, motors and, in particular, the first mobile lifting crane all originated from technology used by Eric Sundin for ski production in Hudiksvall. Ever since its foundation in 1925, Sunfab has been a family company characterised by innovation, skills and visions of the future.

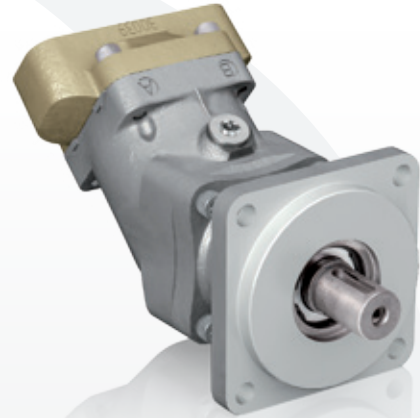
Our head office is located in Hudiksvall, Sweden, where Sunfab's products are manufactured in the company's own factory. Our subsidiary companies can be found in Germany, France, UK, Spain, USA and Malaysia. We also sell our products via distributors and direct to customers all over the world.

 **MADE IN SWEDEN**





SCM 010-130 ISO



SCM 010-130 SAE



SAM 010-130 DIN



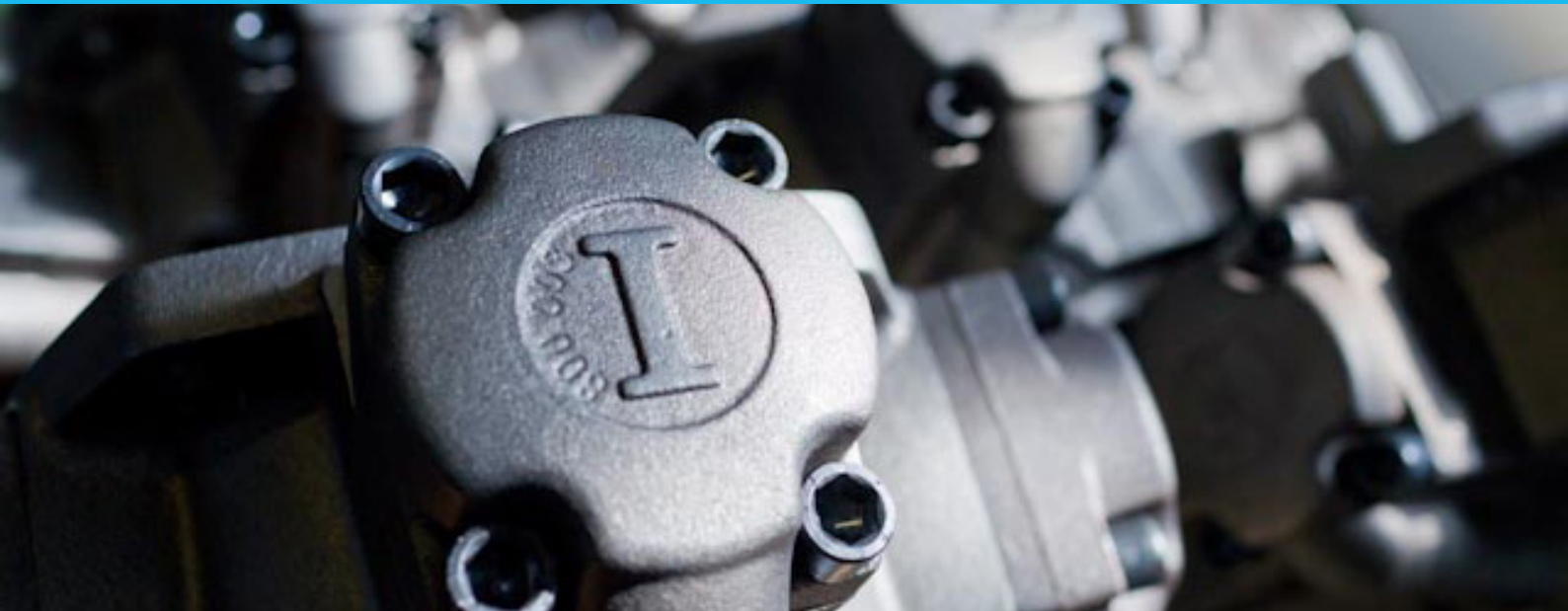
SCM 025-108 M2

Sunfab offers hydraulic motors according to SAE, ISO and DIN standard as well as cartridge motors. The displacement is 10-130 cm<sup>3</sup> with a choice of shafts, seals and connection ports.

Sunfab offers hydraulic motors according to SAE, ISO and DIN standard as well as cartridge motors. Displacements range between 10-130 cm<sup>3</sup> with a choice of shafts, mounting flanges and connection ports. High revolution speeds and a working pressure up to 400 bar allows a power output of up to 285 kW.

Sunfab hydraulic motors are well-known for their reliability and high-performance which makes them perfect for demanding marine applications such as fishing winches, bow thrusters, ROV-systems, and more. Sunfab is the option best suited to the high demands and harsh environments of such marine applications.





# Radial piston power 'made in Italy'

**Worldwide, Italy is acknowledged for its know-how in drives and motors. Italgroupp S.r.l., based in Gaggio di Piano, fully lives up to the high standard associated with 'Made in Italy' motors. The company is a premium name in radial piston hydraulic motors. Offering state-of-the-art solutions that are customized to its clients' needs, the company is a demanded partner of different industries.**

Depending on the economy, Italgroupp services customers from different industries, such as the marine and offshore industries, the mining sector, mobile and green power companies as well as different industrial enterprises.

The company's product range encompasses fixed and dual displacement radial piston hydraulic motors, negative brakes, wheel motors, gearboxes and radial piston flow dividers.

Around 90% of the products are exported. Of these, approximately 40% are sold to customers outside of Europe. Besides Europe, USA, Asia and Australia are important export markets.

In order to stage its latest product highlights and to enhance its international contact network, Italgroupp exhibits at several international trade fairs in the USA, in Moscow, in Germany and in China.







**HC & HCD**



**R8**

“We are constantly working on the performance and efficiency of our motors,” says President and company founder Luciano Ghiaroni. “We aim to offer top quality customized solutions while reducing the costs and lead time.”

“We offer state-of-the-art motors that excel in performance and functionality. We are not a product supplier, we are a solution provider and a partner of our customers. This approach distinguishes us from many competitors. Thanks to our long experience in the market we often come into the game when others surrender. We might not be a big player, but Italgroupp is a reference name across the globe.”

Founded by Luciano Ghiaroni in 1985, Italgroupp is celebrating its 35th anniversary this year. In addition to its head office in Italy, the company operates a sales office in Shanghai to service the Far East market.

In the beginning, Italgroupp used to focus on injection moulding machines for the plastic industry. Step by step, the team expanded the business into other areas. Today Italgroupp offers solutions for more than 200 different

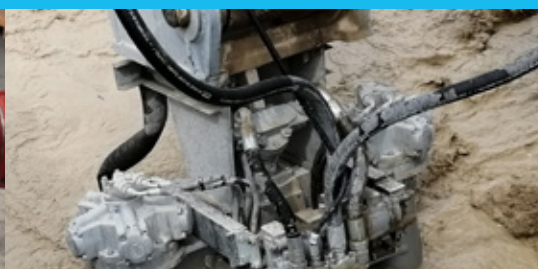
applications, providing complete hydraulic drives characterized by high efficiency and high power density.

“All our activities and decisions have been driven by our customers and their needs,” says the President. “Whatever we do, we always put our clients central.”

In addition to this, the clients of Italgroupp appreciate the reliability and the sustainable approach of the company. In order to ensure the company’s future, the second family generation is in its starting blocks already.

“My son has been active in the business for many years now,” says Mr. Ghiaroni. “In fact, the generation change has been completed already.

This is another indicator for our clients that they can count on us in the future, too. I am positive that my son will be able to lead Italgroupp into a successful future. Currently, we recognize a strong demand for energy-efficient and environmentally-friendly solutions. For sure, this will be an important business field in the coming years.”



## RELIABLE HYDRAULIC DRIVES FOR DEMANDING CONDITIONS

For over 60 years Black Bruin Low-Speed High-Torque Motors have powered various mobile and industrial applications worldwide. In Marine & Offshore applications, Black Bruin motor with a powerful brake is typically used as a direct winch drive. The motor runs at constant torque from low to high speeds and is designed to operate reliably under demanding environments. The durable sealing design protects the motor from dirt and moisture, thus protecting the entire hydraulic system.

Due to its mechanical freewheeling, the Black Bruin motor is the only LSHT motor that can freewheel without any external power. This makes it a perfect fit to an anchor winch of a ship - an anchor can be lowered even in case of a sudden loss of power at the ship. The powerful load-holding brake keeps the load safely and securely and it can be used in emergency situations.

**No POWER like it.**



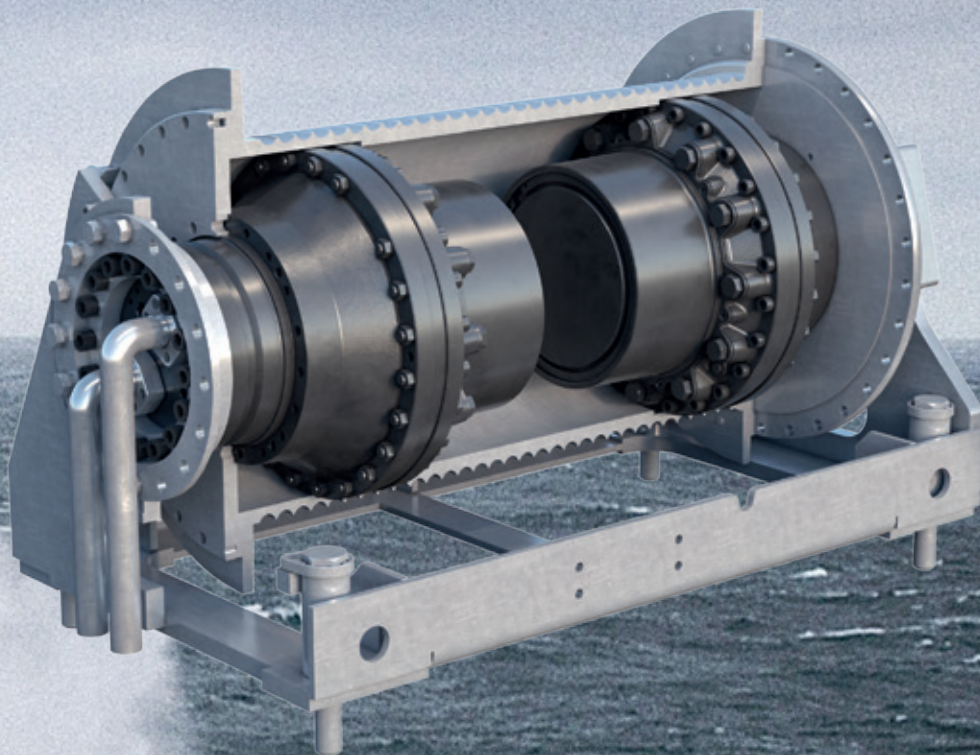
### Technical specifications

### BB SERIES

Displacement [ccm]	400 - 12600
Max. torque [Nm]	45200
Max. power [kW]	189
Max. rotating speed [rpm]	375
Max. working pressure [bar]	450
Freewheeling type	Hydraulic or mechanical
Available brakes	Static multi-disc brake

**60**  
YEARS

HYDRAULIC MOTOR  
PRODUCTION IN FINLAND



**BBC SERIES**

705-2271

13305

72

326

450

Hydraulic or mechanical

Static and dynamic multi-disc brake

**B200 SERIES**

630-6300

45100

130

360

450

Mechanical

Drum and disc brake

**S SERIES**

4400-18900

135300

500

180

450

Hydraulic

Static multi-disc brake

# **R&S**HYDRAULIEK

**We help companies nationally and internationally with hydraulic and propulsion issues and calamities with components, brakes, systems and controls.**



**R & S Hydrauliek B.V.**

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