

Built on tradition, driven by quality





Introduction

Straatman Dredging & Construction, founded in 1902, is a global leader in advanced dredging equipment. We specialize in designing and manufacturing high-quality Bow Discharge Installations, Turning Glands, and Ball Joints. We manage the entire production process, from engineering to construction, within our facilities in Zwijndrecht, The Netherlands. This includes our own construction and coating facilities, ensuring the highest level of quality and protection of our products.

Our History

Our journey in the dredging market began in 1965 when we developed a steel plate ball joint for floating pipelines in collaboration with Bos & Kalis. This marked our entry into the dredging industry, and we haven't looked back since.

Nowadays, we are an established manufacturer and supplier and well-known in the dredging industry for the quality and reliability of our products. Through the years we continued to develop our dredging equipment program, delivering our equipment worldwide.



This is what you can **expect from us**

High-Quality Products

Designed and manufactured with attention to the smallest details, our products are built to last. We only use the best materials and ensure that all our equipment undergoes rigorous testing before it leaves our factory, guaranteeing the highest quality.

Excellent service level

We have an enthusiastic and dedicated team, they work hard to meet up to your expectations. Our team is always ready to answer your questions and ensure you are happy with our service.

Continuous Innovation

For over 120 years, we've been leading the maritime industry, committed to constant improvement. Continuously learning, evolving, and investing in research and development, we strive to provide you with the latest and most advanced solutions.

Decades of expertise

With more than 60 years of experience in the engineering and manufacturing of dredging equipment, we meet the requirements of our customers worldwide and have gained a reputation for capability and reliability.



Proud creator of
The Bow Coupling



Bow Discharge Installation

One of our most popular products is the bow discharge installation, designed specifically for hopper dredgers. This installation allows for a quick connection between the ship and the floating pipeline, introducing a new and highly effective method of efficient land and beach reclamation in the dredging industry. Quick connection and low maintenance ensure safe working under most circumstances and tough weather conditions.

The bow coupling consists of a female and male part. The female part is fixed to the bend of the discharge pipe and the loose male part has to be mounted to the floating hose. The female part is provided with hydraulic

operated cylinders for opening/closing of the retaining ring and securing the lock pins. The retaining ring clamps or releases the male part when it is positioned in the female part. Heavy lock pins secure the retaining ring when the male part is connected. The floater of the male part is a heavy duty construction and foam filled. The male part of the flexible coupling has an unlimited rotation.

Since 1984, we've delivered hundreds of these bow coupling installations all over the world. Our bow coupling became the standard in the world and we guarantee exchangeability between our systems.



Quick-Release Ball Joint

Quick-Release Ball Joint

The great advantage of this ball joint type is an easy quick connection / disconnection of a floating pipeline or hose, mostly used between a floating pipeline and cutter suction dredger or pontoon. The female part is positioned on the dredger or pontoon and the male part is connected to the floating pipeline or hose. The Quick-Release Ball Joint can be equipped with hydraulic cylinders on the female part for remote controlled operation.

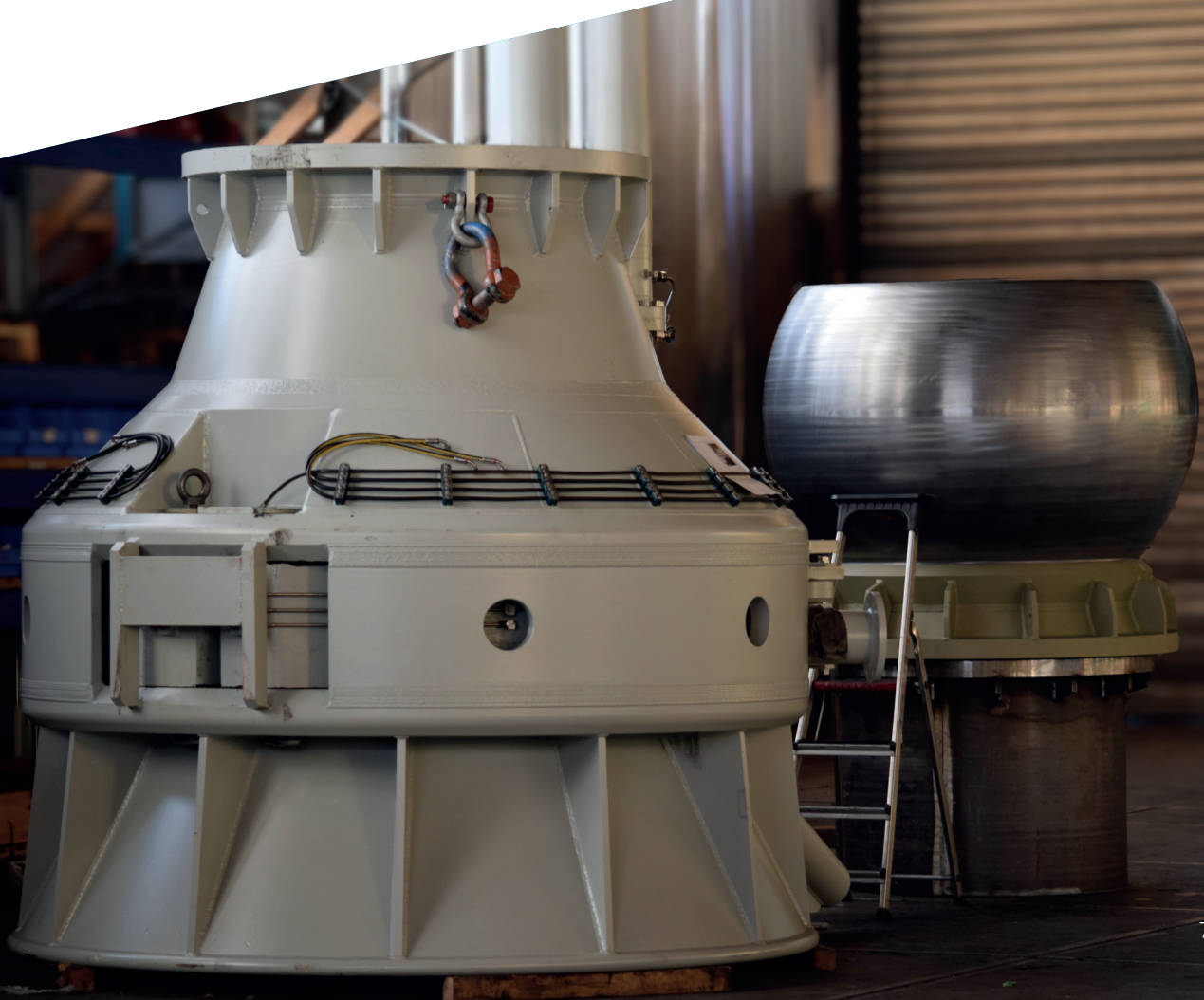
Construction

The ball joint exists of three main parts: a female part, a male part and a retaining ring. The retaining ring couples the male part in the female part. The retaining ring is executed in 2 parts and is hinging in the female part.

Options:

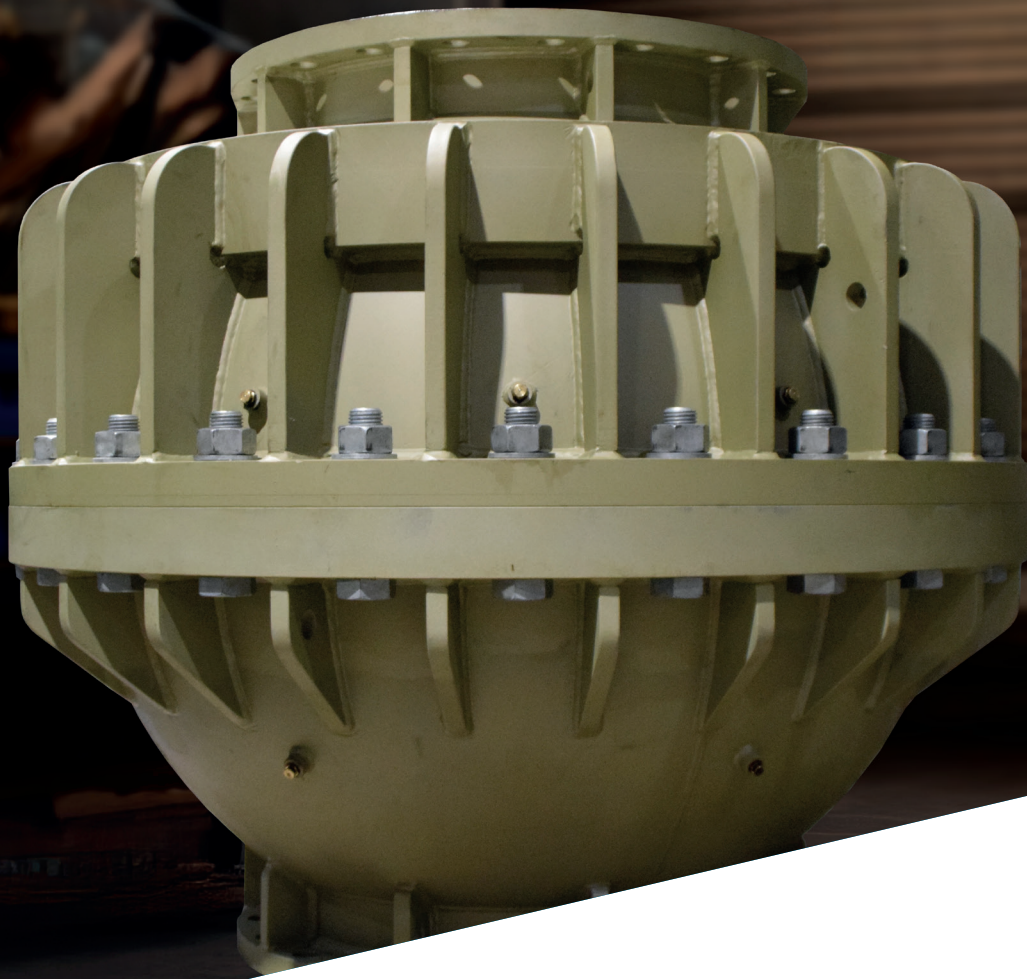
- (wear resistant) liners;
- catch ring or cone for guidance;
- hydraulic or manual operation

Ball Joints are often used on a cutter suction dredger and are regularly ordered with our well-known ball turning gland.





Ball Turning Gland



Turning Gland

In our facilities, we manufacture a wide range of turning gland types for the dredging industry. Our turning glands are designed to allow dredging pipes and their related components to rotate around their axis. As this is even possible under pressure and heavy conditions, our turning glands ensure more safety and better maneuverability.

The well-known Straatman ball turning gland is mostly used at cutter suction dredgers (CSD) at the swan neck of the discharge pipe line. The biggest advantage of this application is that the CSD can turn freely around the axis of the ball turning gland, even under pressures which nowadays decrease up to 36 Bar.

Options:

Our standard range of ball turning glands is very comprehensive, however, each project has its special requirements and design details. As we always aim to comply with the wishes of our clients, we can offer the following options:

- higher operation pressures;
- liners;
- wear resistant liners;
- exchangeable liners;
- customized preservation and painting in required colour.

Besides the ball turning glands (BTG) we can produce straight turning glands as well.



Construction & Coating

At Straatman Dredging & Construction, we specialize in various aspects of steel construction. From detailed engineering to high-quality welding, and powder or wet coating in any color of your choice. All done at our production facilities in Zwijndrecht. From small supports and brackets, custom machine parts, pedestals to platforms. Our team has experience with a wide range of steel constructions in various sectors, including machinery, offshore, metal, and petrochemical industries. If it's made of steel, we can construct and coat it.

Experience our “one-stop shop” service

We fabricate steel structures based on your wishes and designs. Do you only have a conceptual design? Then we are happy to assist you with the (detail) engineering.

Thanks to our in-house coating facilities, we guarantee top-quality protection for your products. You can also leave part of your logistics process to us. Think about labeling and tagging the parts and delivering them at the right time and place. We can take care of your steel structure from design to delivery.

NEN1090 certified

We are NEN1090 certified. Our qualified and skilled colleagues master all common welding techniques such as TIG welding, MIG/MAG welding, and electric welding and naturally comply with all safety requirements and applicable certifications. Employees also participate in periodic training, which enables them to work according to the highest standards. In addition to the standard guidelines for building constructions we specialize in coatings suitable for offshore and the maritime sector.

Parts & Maintenance

Spare and wear parts

We have an extensive and well-preserved documented archive. Therefore, we can easily deliver spare and wear parts for ages after the ships birth date. If You need replacement parts, we can easily find the parts and supply them to our customers.

Maintenance of dredging equipment

Keeping your dredging equipment parts well-maintained is vital for smooth operation and top performance. We

offer a wide range of maintenance services, ensuring you can rely on your equipment with confidence.

With a skilled team of experts and advanced facilities, we have everything needed to perform all dredging parts maintenance. From routine inspections to extensive repairs and thorough testing, we will provide a solution tailored to your specific needs.





 **STRAATMAN**
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