



Onboard rubber hoses

Innovative solutions for high-wear applications

A wealth of knowledge and experience in the dredging market makes IHC Parts & Services the expert for all kinds of dredging equipment. The design of an innovative range of high-performance onboard rubber hoses for slurry transport and jet water applications are just two of the outcomes of this expertise.

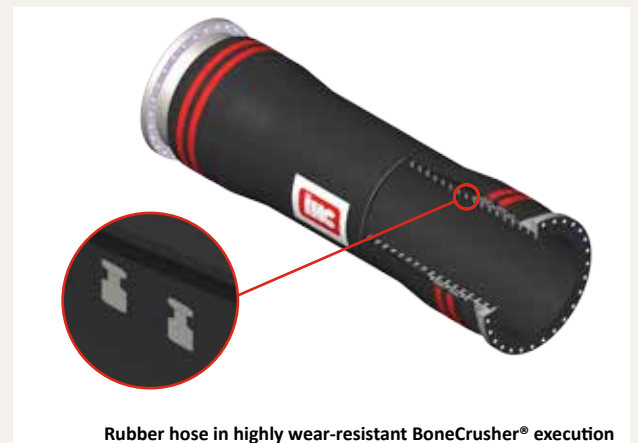
As dredge hoses often operate in a professional, high-performance and customer-specific environment, product reliability and safety comes first. In order to achieve this, IHC Parts & Services sets and adheres to the highest standards in the industry. All hoses are hydrostatically tested. Bending, pressure and torsion-stress tests are also possible.

Benefits

- extremely robust properties
- designed to withstand the most severe wear
- guaranteed product strength
- accurate dimensional tolerances
- highly abrasion-resistant rubber compound.

The IHC Parts & Services onboard rubber hoses portfolio consists of:

- jet water hoses
- suction hoses
- discharge hoses
- expansion joints
- compensators
- bend hoses.



Rubber hose in highly wear-resistant BoneCrusher® execution

The technology innovator.



Portfolio



Jet water hoses are designed for their special purpose inside the system, as applied in draghead, turning gland and cardan. The jet water hoses are, due to their extreme flexibility, capable of performing under wide angles and high working pressures.



Suction hoses are designed for application in suction pipes and ladder joints. Due to the design, they are capable of functioning under wide-bending angles in a vacuum. The suction hoses are available in all four hose types.



Discharge hoses are designed to perform under high working pressures and bending momentum to ensure a long service life. The discharge hoses are applied after the submerged dredge pump and spud carrier connection, and are available in all four hose types.



Expansion joints are designed to give flexibility in onboard pipelines and mute vibration from the system. They can withstand just enough elongation and compression to prevent high internal forces. The expansion joints are available in basic, armoured and BoneCrusher® execution.



Compensators are designed for high-pressure discharge systems. The compensator hoses are the heavy-duty version of the expansion joints and are capable of compensating ship movements in the pipeline. They are available in basic, armoured and BoneCrusher® execution.



Bend hoses are designed to integrate different kinds of functions, such as a steel bend and expansion joint, in places with limited space. Best used in situations with high-impact wear, they are also available in basic, armoured and BoneCrusher® execution.

Hose types

The onboard rubber hoses – with the exception of jet water hoses – are available in four different executions, which are selected according to the soil type being processed.

Basic type

Standard hose consisting of rubber wear liner:

- low to average wear environment
- cost-effective design
- high-abrasion resistant rubber compound
- external steel rings prevent suction hoses from collapsing in a vacuum.

Armoured type

Hoses consisting of a rubber wear liner combined with steel rings for better wear resistance:

- medium wear environment
- rings are made of high-tensile forged steel, which prevents them from breaking prematurely
- optimum ratio of flexibility and wear resistance.

BoneCrusher® type

Rubber hose execution with innovative BoneRing® for longer lifetime:

- medium to high wear environment
- patented BoneRing® shape prevents rings from breaking out of the rubber
- rings are made of high-tensile forged steel, which prevents them from breaking prematurely
- optimum ratio of flexibility and wear resistance.

Bucket type

Rubber hoses in bucket execution are reinforced with a bimetallic plate material bucket:

- high to extreme wear environment
- for applications in ladder-joint or barge-loading installations
- buckets made of high chromium clad plate
- limited flexibility.

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