



Dragamex S.A. de C.V.

Backhoe dredger (BHD)

General dredge plant information

Introduction

A Backhoe Dredger (BHD) is basically a hydraulic excavator placed on a pontoon. Dredging is executed by the excavator which is mounted on a turntable at the front of the pontoon.

Backhoe with barge



Main parts BHD

In principle the main parts of a BHD are:

- ★ pontoon;
- ★ hydraulic excavator, consisting of a crane, boom, stick and bucket;
- ★ spud poles provide a stable platform during dredging. The spud carrier enables the pontoon to move forwards and backwards when the front spuds are lifted.

Working method

Dredging with a BHD is not a continuous process, but consists of a cycle of operations. These operations are:

Dredging

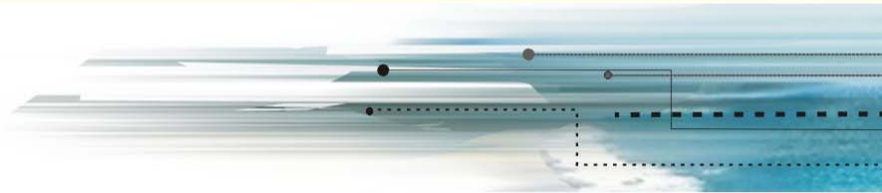
The bucket is excavating soil by a combined back- and upward movement of boom, stick and bucket.

Lifting

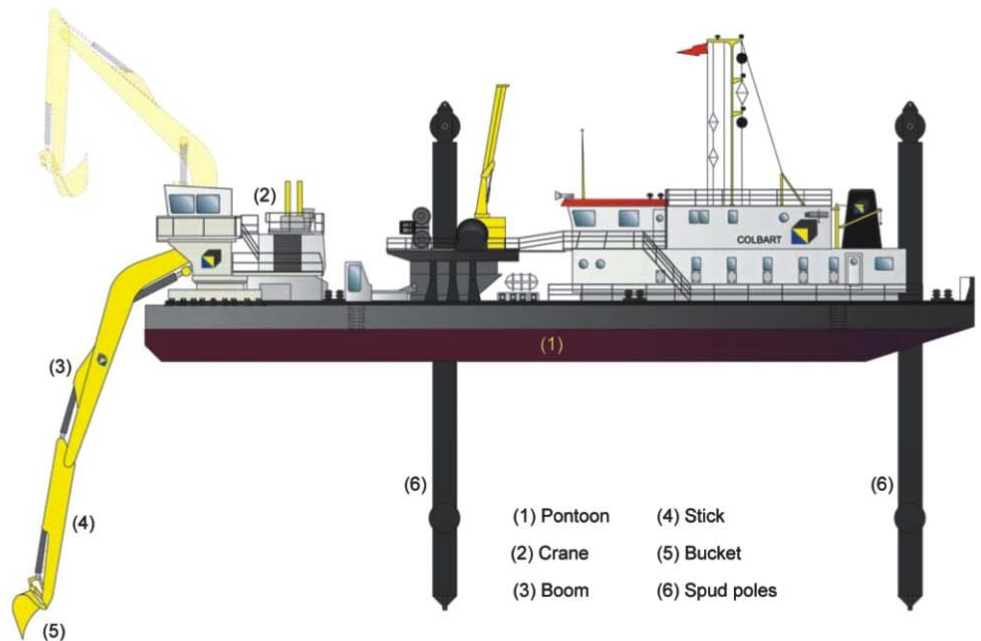
When the bucket is filled, a further upward movement of the boom and stick is ensuring sufficient height above the bottom to start swinging.

Swinging filled

The bucket will be swung above the discharge area by turning the excavator on the turntable.



BHD Colbart



Subsidiary of Royal Boskalis
Westminster nv / Grupo OPC

K.m. 7.5 Coatzacoalcos - Minatitlán, Coatzacoalcos
Ver, México - Col. Tierra Nueva C.P. 96496
Tel. 01-921-211-8200 Fax. 01-921-211-8208
e-mail: gerencia@dragamex.net
www.dragamex.net www.boskalis.com
www.grupoopc.com

