GRAVING DOCK
DAMEN CIVIL PRODUCT

GENERAL
Ref/No
Damen Shipyards Brest
Basic functions
Shiprepair and conversion of vessels

DIMENSIONS
Length
up to 500 m
Width
up to 100 m
Height
up to 25 m
Area
50,000 m²
Volume
1,250,000 m³

CONSTRUCTION
□ Heavy concrete floor;
□ Thick concrete walls, fortified Sheet-pile walls or Combi-walls;
□ Capping beams (if applicable);
□ Concrete pull piles or steel anchor rods;
□ (floating steel) Locking gate or caisson;
□ Pump chambers / machine room(s);
□ Stairs;
□ Watertight doors and external areas;
□ Safety railing.

INSTALLATION
□ Electrical distribution installation (low and high voltage);
□ Water installation;
□ Air pressure installation;
□ (large) Pump installations;
□ Mooring bolders and fenders;
□ Shore power;
□ Fuel/oil/LNG transfer installations and reservoirs;
□ Refill facilities;
□ Terrain illumination;
□ Fire extinguishing installation;
□ Security/safety (detection) systems.

DESCRIPTION
Damen Civil designs, engineers and provides technical assistance during the establishment of graving docks. A graving dock is basically used for surveys, ship-repair and conversion but can also be used for assembling new build hulls (partly prefabricated) of (large) ships. The graving dock has a large pump machine besides the dock. At each side of the dock canes can be situated for hoisting aid to the docked ships.

As a global shipyard owner with graving docks up to 450 meters, Damen elaborates the most cost effective and efficient dock for your yard.

OPTIONAL TOOLS AND EQUIPMENT
□ Fixed and/or movable crane capacity;
□ Forklift / reach stacker;
□ Blasting & painting equipment;
□ Fully equipped workshop (containers);
□ Workshop building;
□ Tugs, Multicats and/or other workboats;
□ Wedges in all variations;
□ Power packs / generators;
□ Gangways & catwalks;
□ Compressors.

ADDITIONAL OPTIONS
□ Dock covering for conditioned environment (weather influences);
□ Exploitation feasibility study;
□ Bathymetric and soil survey;
□ Office units;
□ Design engineering;
□ Training program for personnel;
□ Construction / realization;
□ Supervision;
□ Maintenance program.

product website
www.damencivil.com
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DOCK PLATFORM

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