



Doddema Locking

Maintenance & Repair

We would like to take advantage of this opportunity to introduce ourselves.
www.doddemalocking.nl

Doddema Locking is a specialized company in repairing broken or cracked cast iron and steel parts for in the shipping industry and power industry

Services Doddema Locking delivers

Doddema Locking is a specialized company in repairing broken or cracked cast iron / cast steel. We repair it with Locking. Locking is a procedure that do not use any kind of heat sources. It's a so called 'cold' repair.



Hole in engine



Hole in engine and insert piece



Insert piece in engine

Trough Locking we make sure that the structure of the object remains and the strength will be returned. This is not the case by welding and like, because the use of a heat source. By the use of a heat source tension will be created. The object mostly crack further or somewhere else because of the tension.

With Locking the crack will be incarcerated. We do this by placing a Lock at the beginning and place a Lock at the end of the crack. Locks are made of a special iron/nickel alloy. Locks a placed 90 degrees of the crack or broken piece. Then we place more Locks along the crack or broken piece. This makes sure that the strength will be returned in the object and closes the crack so far as possible. Between the Locks we place special studs. These special studs make sure that the object is leakproof. We can repair almost any kind of cast iron/cast steel.



Crack in pump



Crack in pump partly repaired



Crack fully repaired

Not only cracks can be repaired by this method, but also break outs or broken parts. (such as: crankshaft through the engine, transport damage, etc). In this case we make insert pieces that will be energize mounted and finished with Locking.

Repairs we can perform on site, or we can do it in our workshop. Our workshop is located at De Plaats 11, in Hendrik Ido Ambacht. This is near Rotterdam. Our workshop has a Locking table, lathe, milling machine and more.

Our Locking repairs can be done on different types of cast iron/cast steel objects, such as:

- | | | |
|-----------------|-------------------|--------------------|
| - Engine | - Bearing houses | - Liners |
| - Turbo houses | - Lathes | - Pumps |
| - Presses | - Piano frames | - Lager houses |
| - Piston skirts | - Counter weights | - Compressor parts |

Besides Locking we also deliver other services such as:

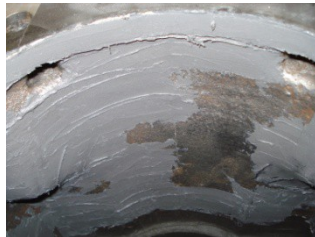
Application services.

These are some services that we deliver, such as:

- inject of rudders.
- repair of eroded rudders, separators, bow thrusters, etc.
- repair of corrosion and cavitation.



Cavitation



cavitation repair



cavitation grinded back to original

- leaking stops with epoxy.
- grouting.
- coatings. (all kinds of coating for example floors and tanks).



Tank voor behandeling van coaten



Tank na behandeling van coaten

Distributor of Resimac.

We are distributor of Resimac. Resimac is a relative young brand, with a lot of potential and has at least 40 years of experience.



Deliver on prefab base.

This is mainly used for ship jetty's, wharfs, emergency platforms, etc.

- anti slip plates/platforms.



Anti-slip platform on prefab base.

Take care of alignment and grouting.

We can take care of alignments. We can also grout the object that has been aligned.



Grouting from a can



Grouting



Deliver of many kinds of hoist materials.

We can deliver all kinds of hoisting materials with the standard sizes or odd sizes, such as:

- Hand chains hoists



- Lever hoists



- Trolley's



- Beam clamps



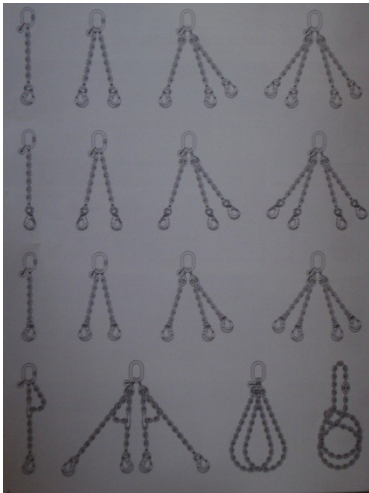
- Load binders (with or without safety)



- Hand winches



- Chain sling and other chains



Different services.

With these services we mean services such as:

- on site drilling/cleaning holes.



Bolt hollow on windmill



Services performed in windmill

- spiegel polijsten.



Valve before treatment



Valve after treatment

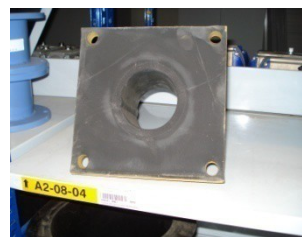
- removing of broken studs, cleaning of the thread holes.
- torquing or jacking up of bolts and thread ends.
- place new rubber on flange after removing old rubber.



Flange before treatment



Damages of rubber in flange



Flange after treatment

If you would like more information about our company or our services don't hesitate to call or mail us.

Doddema Locking

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