

ELECTROHIDRAULIC SWAGE-X

**SAFE, PROFITABLE SYSTEM FOR REPAIRING & RELINING DAMAGED
WATER WELLS**

With Swage-X tool, you may save time and money when performing repair work for water wells. Generate valuable business in the “off-season”. Diversify your down-hole video inspection business. You may restore and re-line damaged casing.

Applications:

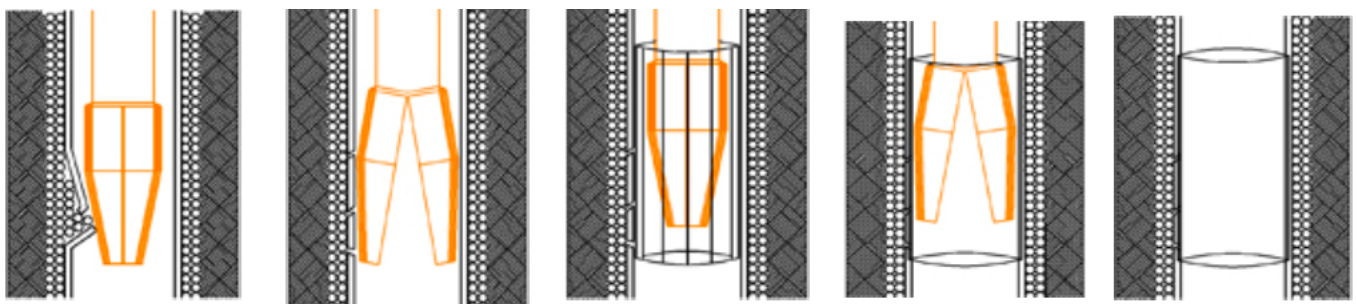
Damaged and deformed casings can lead to significant water well difficulties. Sand infiltration, reduced productivity, premature pump failure, efficiency loss and complete loss of the well can be caused by a damaged well. Swage-X instead provides the intelligent alternative that you and your customers will rely on for effective solution.

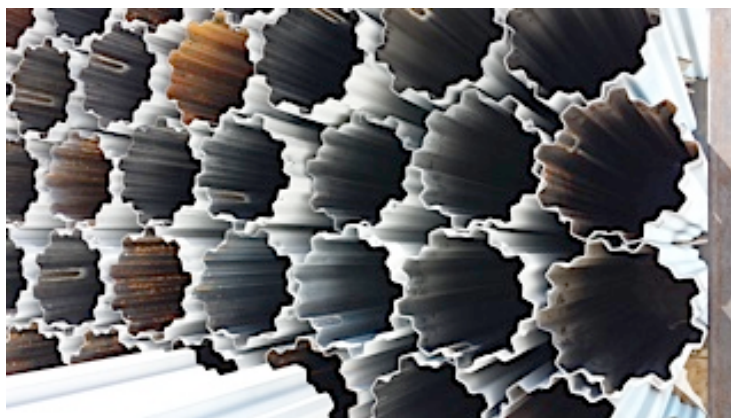
Designed to meet the specialized need of the groundwater industry, Swage-X corrects problems such as compression breaks, holes and collapsed or cracked casings, allowing wells to be rehabilitated rather than abandoned. And service opportunities abound in this area as tougher regulations encourage such rehabilitation.

Featuring the Swage-X hydraulic Swage, this system quickly and efficiently makes repair. Saving time, expenses and potential aggravation often associated with re-drilling a well. Using hydraulic pressure, powerful “jaws” slowly and gently exert controlled force in excess of 150 tons (150,000 Kg) of force, safely pressing casings back into shape. Breaks and holes are then repaired with Swage-X steel liners, pressed carefully into position by the swage.

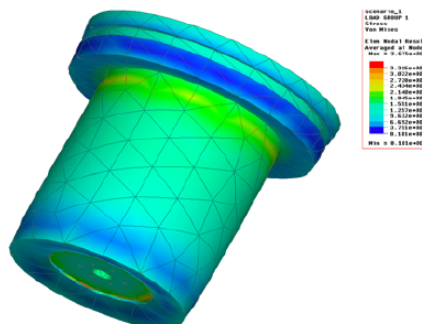
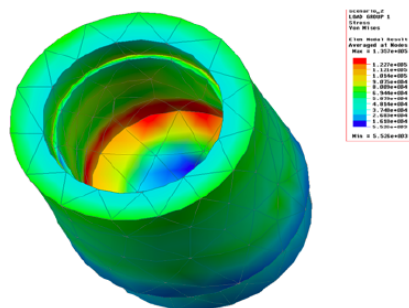
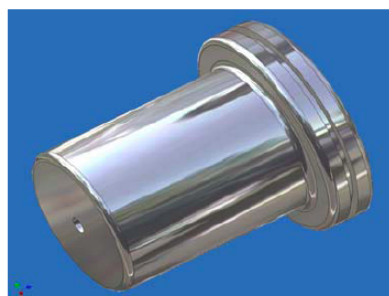
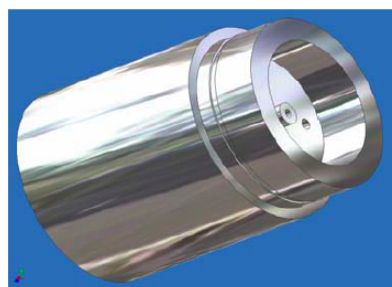
OPERATION:

- 1 Downhole video inspection camera pinpoints casing damage.
- 2 Swage-X is lowered by steel cable or steel pipe (not included) to problem area.
- 3 Swage-X jaws open gently, press casing back into its original shape.
- 4 Swage-X lowers Swage-X liner through well to reshaped area of casing.
- 5 Swage-X presses liner in place to seal casing and complete the repair.





Design from Equipozo with full CAD design and structural analysis to resist up to 150 metric Tons of force.



***** Most critical parts of the tool have stress analysis.**

Equipozo has designed it since 20 years ago, and improve most parts in order the get the optimal design.

ADDITIONAL PICTURES

