

CHAIN SAWS

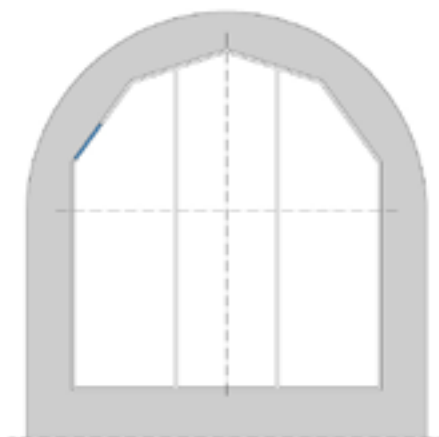
cutting by chain of granite, hard rocks, reinforced concrete

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EXEMPLE OF CUTS BY CHAIN MACHINE TO MAKE A TUNNEL

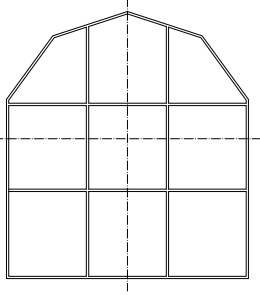


Geometric diagrams of the location in which you are cutting.

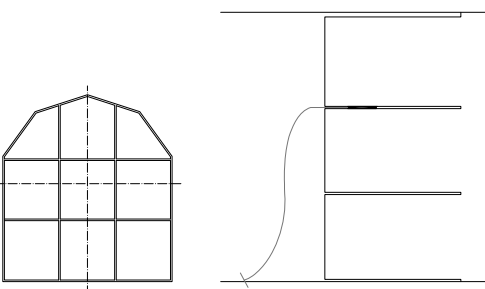


EXAMPLE OF PROGRESS OF A TUNNEL INTO IMPERVIOUS OR DIFFICULT AREAS

Sectioning of the tunnel by perimeter cuts, horizontal and vertical cuts of subdivision.

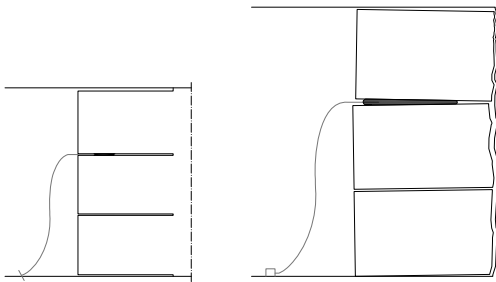


Insert of hydraulic spreader.

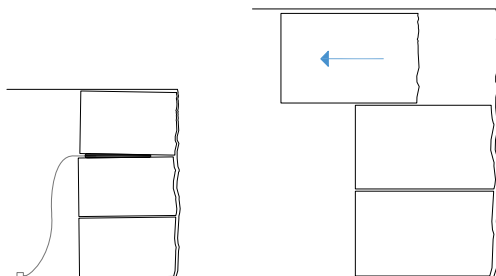


Breaking of the rock blocks into depth in which the bending step is maximum. Each of these parallelepipeds has 5 frontages detached from the rocky mass: One is external and previous frontage of the excavation. The other four are detached from the cuts.

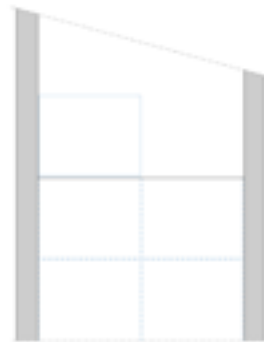
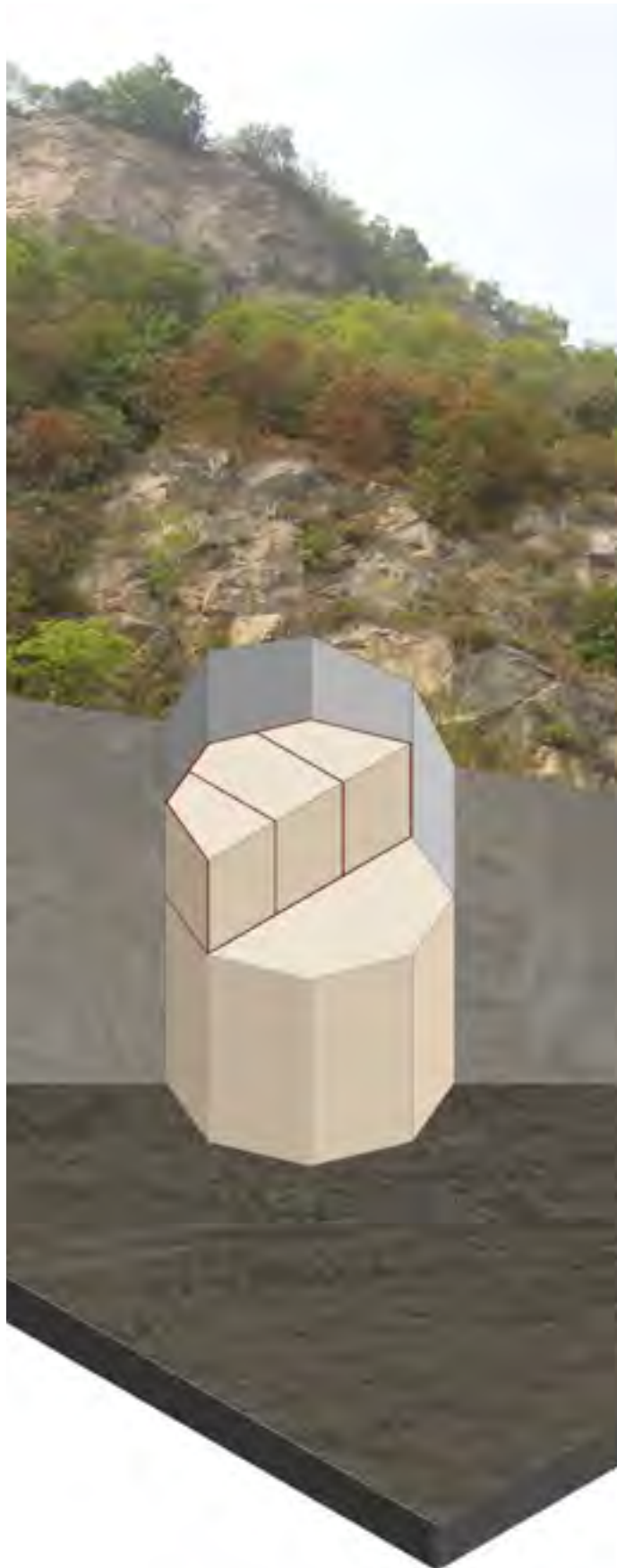
The sixth frontage is that one connected to the following frontage of excavation, then it will be disconnected by the hydraulic spreader.



Removal of a block by mechanical shovel properly equipped and modified.



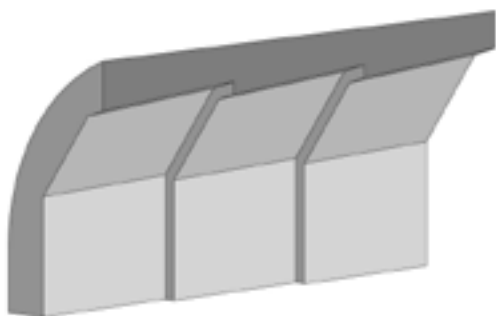
PERFORMANCES INTO WELLS IN DIFFICULT POSITION



CUTS WITH NOT- ORTHOGONAL

The cutting chain machine allows to execute some kinds of cut that, using other types of machinery, it would be difficult to perform.

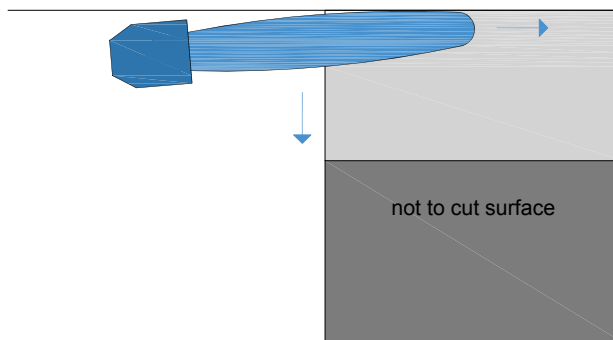
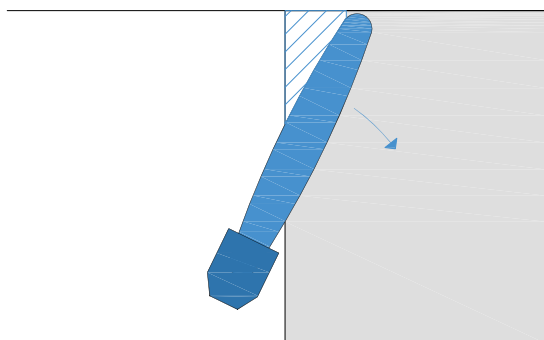
Examples of cuts with not- orthogonal axes.



Opportunity to change the bending angle in these positions too.

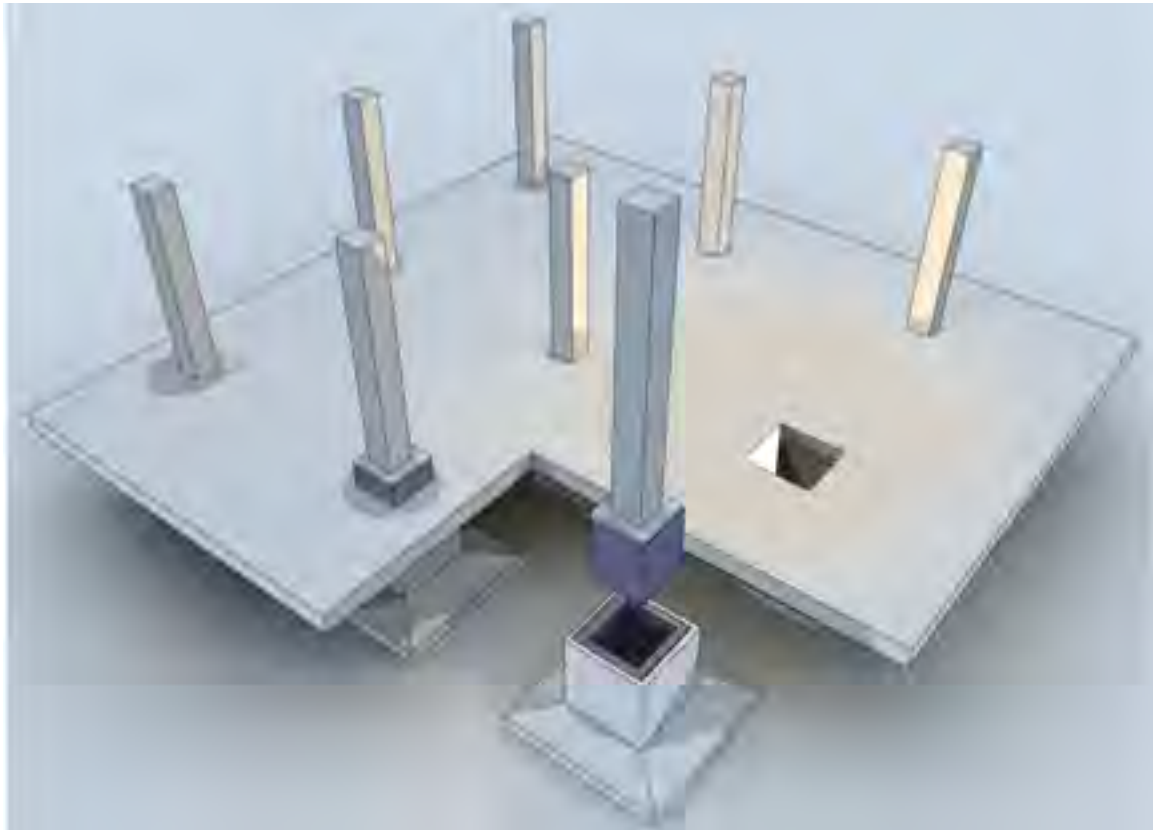


By using the bar able to cut in a sinking way, the initial phase is much faster than using traditional techniques, then it's easier to perform into narrow and confined spaces.



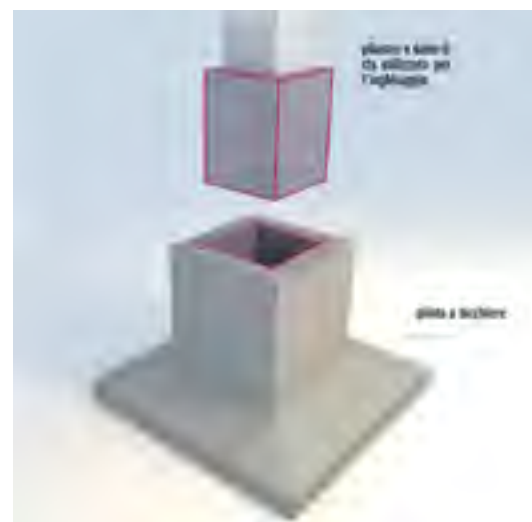
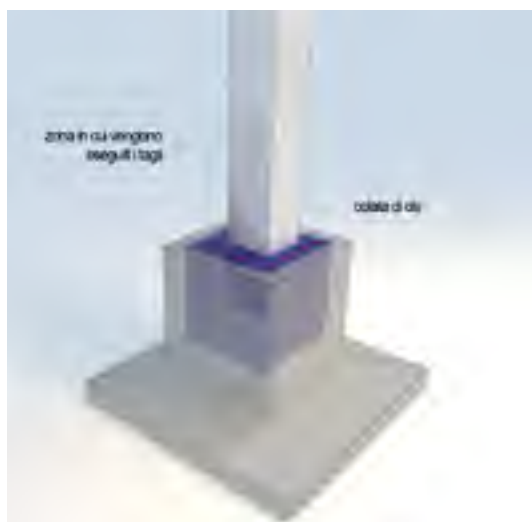
EXTRACTION OF THE PILLARS FROM THE BOWL-PLINTH

Extraction of the pillars from the bowl-plinth without damaging them, by avoiding vibrations and stress, through executions cutting into the pouring of reinforced concrete. This type of operation is indicated when you should using the foundation plinths afterwards a fire of the bulding, or after a wrong installation of the pillar during the placement.



PHASES

- 1 - Extraction of the precast pillar from the plinth, without damaging.
- 2 - Execution of cut by chain machine avoiding vibrations and stres, allowing the isolation of the pillar to remove.
- 3 - The extraction of the pillar happens without damaging, that allows its reuse as for the plinth.



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