

Title (en)

METHOD FOR MAKING TUNNELS OR PERFORATIONS IN CIVIL ENGINEERING WORKS USING SACRIFICIAL TUNNELS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON TUNNELN ODER PERFORATIONEN BEI HOCH- UND TIEFBAUARBEITEN MIT OPFERTUNNELN

Title (fr)

PROCÉDÉ POUR LE RÉALISATION DE TUNNELS OU DE PERFORATIONS DANS UN OUVRAGE DE GÉNIE CIVIL AU MOYEN DE TUNNELS SACRIFICIELS

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Application

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Abstract (en)

Method for making tunnels or perforations in civil engineering works using sacrificial tunnels. This invention concerns the excavation of sacrificial tunnels to reduce or eliminate the need to use supporting elements in the construction of any tunnel. Accordingly a method is provided to make tunnels or perforations in civil engineering works to reduce or eliminate the use of supporting elements for earth or solid rock, characterized by the creation of a sacrificial tunnel, such that this sacrificial tunnel deforms by taking on the stresses and deformations caused by the weight of the earth and preventing transmission thereof to the main tunnel. The sacrificial tunnel, which may be used in conjunction with others, must in any case have a smaller diameter than the main tunnel and be located at a specific distance above the keystone of the main tunnel.

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