

WHERE TO USE TOCK

Market Potential

Tock can be used in several different applications to break rock and concrete.

These can be gathered under the following major groups:

Infrastructure works,
Excavation at housing sites,
Road construction,
Canal excavation,
Trenching,
Boulder splitting,
Concrete breaking,
Mass excavation,
Dam construction,
Airport and harbour construction,
Tunneling and shaft sinking,
Underwater construction,
Interior breaking,
Dimension stone,
Underground mining, where there is no risk of flammable/explosive gasses.



PERFORMANCE COMPARISON



Rock Breaking System

A) Keeping the time fixed,

TOCK can break 2.5 – 3.0 times MORE rock than

TOCK can break 5.5 – 6.0 times MORE rock than

TOCK can break 3.0 – 3.5 times MORE rock than

HYDRAULIC ROCK BREAKERS

EXPANSIVE GROUTS

PYROTECHNICAL PRODUCTS*

(B) Keeping the time and volume of rock to be broken fixed,

TOCK has 45 – 50 % LESS total expenses than

TOCK has 70 – 75 % LESS total expenses than

TOCK has 35 – 40 % LESS total expenses than

HYDRAULIC ROCK BREAKERS

EXPANSIVE GROUTS

PYROTECHNICAL PRODUCTS*

(C) if "Total Cost per m³" of rock to be broken is examined:

TOCK cost/m³ is almost 1/2 of

TOCK cost/m³ is almost 1/6 of

TOCK cost/m³ is almost 3/5 of

HYDRAULIC ROCK BREAKERS

EXPANSIVE GROUTS

PYROTECHNICAL PRODUCTS*

* It should not be forgotten that these products are classified under explosives and require special permissions for transport, storage, usage.



Max. to Min. Scores



the more & darker the green the better the product

Price, Indirect Cost/m³, Total Cost of Drilling & Breaking/m³, Rock Breaking Volume/Day, Time to break unit volume, Ease of Use, Risk Factor, Type of Staff Req.d, Breaking Pressure, Vibration Level, Burning/Deflagr./Detonation velocity, Ease of Transport, Permission for Airfreight, Ease of Storage, Cancellation Possibility, Lead time Req.d, Permission to Use, 2nd Operation needed, Problem after failure, Score from SEPPECS* parameters

Imp. Note: Comparison is with other major competitors for projects where Explosives are NOT permitted.