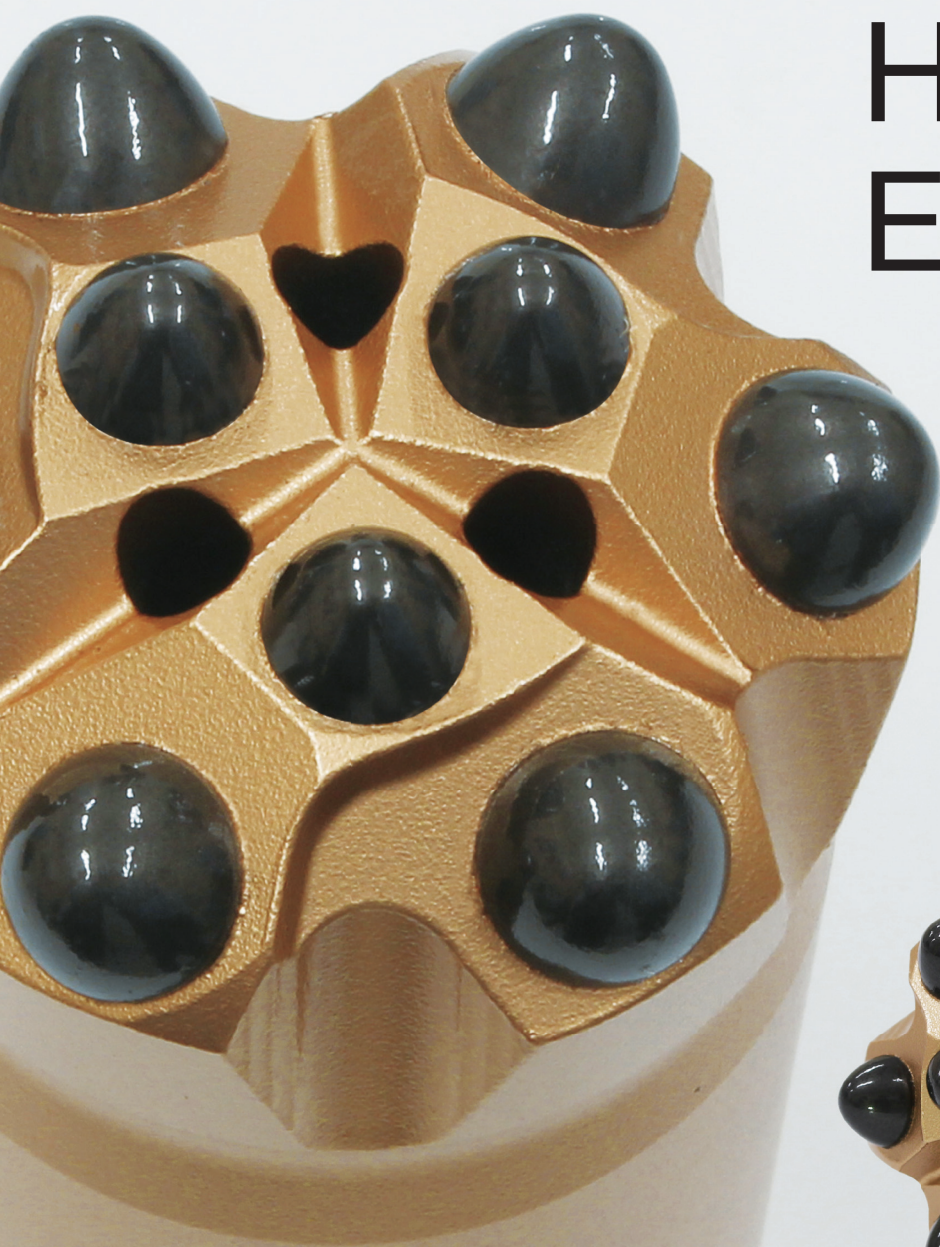


TX button bit

**TOP
HAMMER
EXPRESS**



MMC RYOTEC Corporation

A Group Company of  **MITSUBISHI MATERIALS**



Fastest drilling speed in our history !

Original design optimized for the latest powerful drifters



Efficient Cuttings Discharge

The **TX** button bit has been developed for realizing high-speed drilling by using our fluid analysis technology. Our original face design maximizes removing cuttings efficiently from a drilled hole.

Innovative Face Design

Placement of blow holes and face & gauge buttons on the face are very important factors to improve penetration rate. The **TX** button bit has been devised with an optimal face design for the purpose of improving efficiency in crushing rocks.

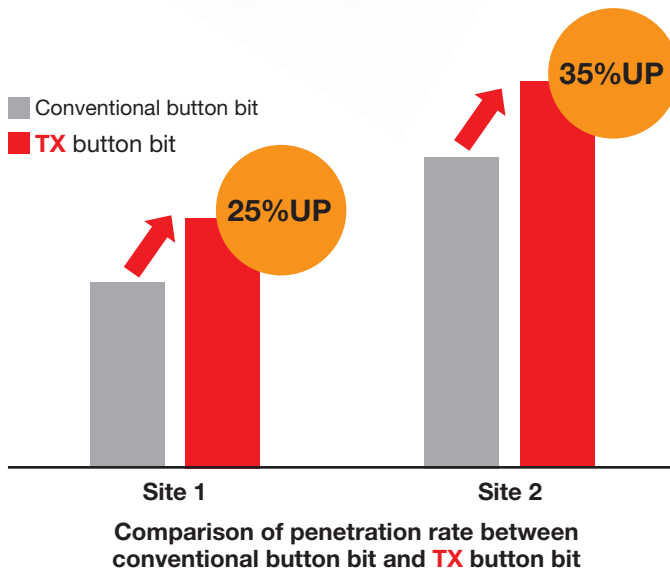


The result of field trials

Gauge diameter : 45mm

Buttons : Semi-ballistic button (BB type)

	Site 1	Site 2
Drifter	COP2238	HLX5
Power class [kW]	22	20
Frequency [Hz]	73	67
Percussion [bar]	210	200
Feed [bar]	70	70
Rotation [bar]	50	55



The result showed the **TX** button bit drilled faster by 30% on average compared to our conventional button bit. The drilling speed of **TX** button bit did not slow down until the end of its service life.

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JAPAN / ROCK TOOLS

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