

Robit

**MAXIMUM EFFICIENCY
THROUGHOUT YOUR D&B OPERATIONS**



Mbit Pat. Pend.
S E R I E S

Revolutionary Innovation

- ✓ **Robit unique Mbit – Male Bit drill string concept**
- ✓ **+30% straighter holes vs. traditional drilling**
- ✓ **Savings in CO₂ emissions throughout
Your total D&B process**



Download brochures:

Robit

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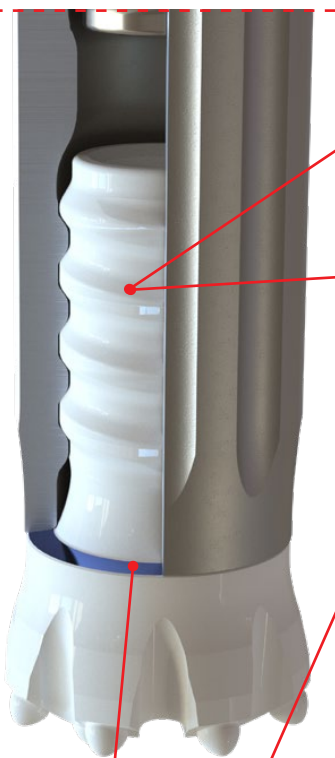


Robit Mbit SERIES

MAXIMUM EFFICIENCY THROUGHOUT YOUR D&B OPERATIONS

The **innovative Robit® Mbit – Male Bit button bit series** delivers significantly **enhanced drilling performance compared to traditional bit designs**. As a major advancement in the industry over the past decade, it expands the product range to meet diverse needs.

The innovation of the century – we redesigned the rock drill bit to Male Bit and tackled all the challenges of the traditional Top Hammer drilling



Robit® Mbit – Male Bit thread is not subjected to stress when the impact is directed at the shoulder
⇒ **no dynamic stress on thread, longer lifetime and easy coupling & uncoupling.**
Male thread is acting as a **connection device.**

The **same thread** is used for all bit diameters and bit options – **savings on consumable parts and stocking.**

Inclined (Pat. pend.) **impact shoulder for centralizing** the impact surface:

- **Longer lifetime – up to 25%** – as the thread will not wear and reversal guide tube OD is 82 mm
- **Efficient and even distribution of Impact Energy** on the shoulder
- **15% faster penetration**

The market's most superior hole straightness – up to 30% – when using a **Reversible Guide Tube** together with a **Conversion Rod**

- **Can be swapped 180° during the drilling process** ⇒ **more meters to be drilled**
- Reversible Guide Tube **guarantees min. double lifetime and safeguards the rest of the drill string.**

Multiple bit sizes and versions can be drilled **with only one unique Male-Thread (S57)** which secures easy coupling and uncoupling into drill string. **No thread stuck.**

Reduction of fuel consumption through **efficient flushing properties and drilling speed of Robit® Mbit – Male Bit.**

Savings in CO2 throughout Your total Drill & Blast process.

Patent pending





Bit Specifications

Bit Model	Diameter		Gauge	Buttons		Flushing		Product number (use in order)		Weight
	[mm]	[in]		[No. x mm]	[No. x mm]	[No.]	[No.]	[Super Dome]	[Xtreme carbide]	
TH MBIT 45S076DC HD	76	3	35°	5 x 11	8 x 12	5	-	2003677	2003678	2.2
TH MBIT 45S083DC HD	83	3 ¼	35°	5 x 12	8 x 13	5	-	2003679	2003680	2.4
TH MBIT 57S089DC HD	89	3 ½	35°	5 x 12	8 x 13	5	-	2003681	2003682	3.6
TH MBIT 57S102DC HD	102	4	35°	5 x 14	8 x 14	5	-	2003683	2003684	4.1
TH MBIT 57S115DC	115	4 ½	35°	6 x 14	8 x 14	5	-	2003687	2003688	5.0
TH MBIT 57S127DC	115	4 ½	35°	7 x 14	10 x 14	5	-	2003689	2003690	6.5



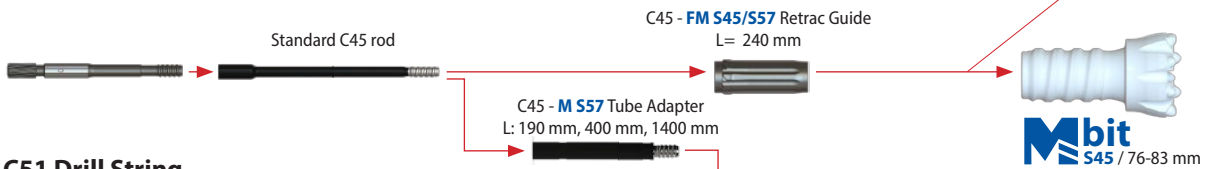
TH MBIT DC

All Robit® Mbits equipped with proven **EXTREME CARBIDE**



Optimized Drill String Equipment

C45 Drill String



C51 Drill String



RG60 Drill String



S45 = Unique Robit S 45 thread **M** = Male thread
S57 = Unique Robit S 57 thread **FM** = Female thread

Robit

The Experts in Drilling Tools



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Robit® Mbit Series – Revolutionary innovation, Pat. pending User's comments:

Maxam Deutschland GmbH

"Since 2020, Maxam Deutschland GmbH has successfully implemented Robit® Mbit drilling technology (Sense Systems), leading to significant improvements in operational efficiency. One key factor contributing to these enhancements is the extension of the service life in guide tubes. In particular, the lifespan of pipes has more than doubled, optimizing performance and reducing maintenance efforts. This advancement underscores the effectiveness of Sense in driving continuous improvements."

HANS G. HAURI KG Mineralstoffwerke

"The Robit® Mbit drilling system (Sense System) has sustainably optimised the drilling processes at HANS G. HAURI KG Mineralstoffwerke. In addition to the increased drilling performance, the service life of the drilling tools has also been extended. As a result, resources can be utilised more efficiently and operating costs can be reduced."



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