

2022 **BLASTHOLE DRILLING**





***Over 20 years
of design &
manufacturing
experience
in the mining
& drilling
industry***

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COMPANY OVERVIEW

Introduction

Mammoth Technologies is a design & manufacturing corporation within the mining & drilling industry, creating a dynamic presence in the international market. The Mammoth Breakout Wrench drew attention to our innovative yet uncomplicated approach to problem-solving within the global market when we first introduced it in 1999. Development and product refinement and improvement is a continuous process in the business. Our product development drive has been shaped and guided by the requirements, needs & frustrations gleaned from our clients in the global market. This has led us to develop a reasonably priced range of durable, cost-effective products in the various sectors of the mining industry. They were designed for: improving safety; simplifying operation; lowering maintenance costs.

Vision Statement

Our vision is to be a well-established brand in the mining & drilling industry, leading the way through safety, quality, service & price, driven by ethical standards and time tested values.

Mission Statement

To produce better products that are affordable, safer to use and easier to work with. Better. Affordable. Safer. Easier.

Expertise

Mammoth Technologies takes responsibility for all the phases of the process including conceptualization, market research, design, manufacturing & testing, through to distribution and service. All manufacturing (including process manufacturing) is done in-house.

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NORTHERN CAPE

Mammoth Drill Tools Northern Cape

Orbed Petrus

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Whitey Thomas

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Distributor/Agent

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Mammoth Services

Mammoth Technologies offers a wide range of versatility in our field of expertise.

General Services

- R&D
- CAD drawings, 3D/solids, simulations and more
- Innovative solutions to relative problems
- Conceptualization
- Hydraulic Design
- Electrical Design
- Application Specific Hardware Design
- Application Specific Software Design
- Manufacturing
- Process Manufacturing
- Reverse Engineering
- Patent Searches / Patents Processing
- Specific problem solving and research
- Product marketing solutions

Innovative and Consumable Services

- Servicing and repairs of Mammoth innovative products
- Breakout benches for breaking of tight joints, due to tension build up during drilling
- Straightening and repairs of drill rods



Repairs/Services/Refurbishment

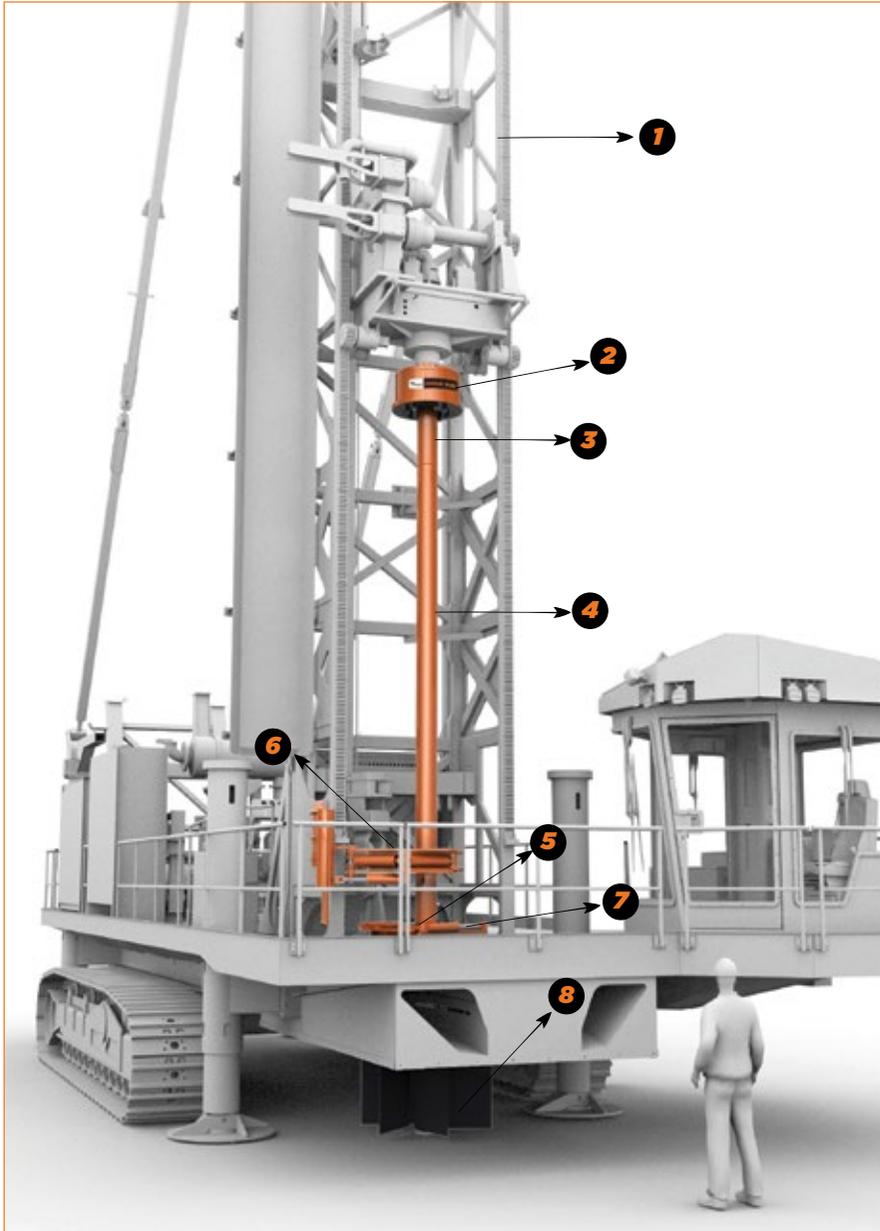
repairs@mammothtech.co.za

For all general repairs, services, and refurbishments on Mammoth products, including existing products, regardless of manufacturer or origin.

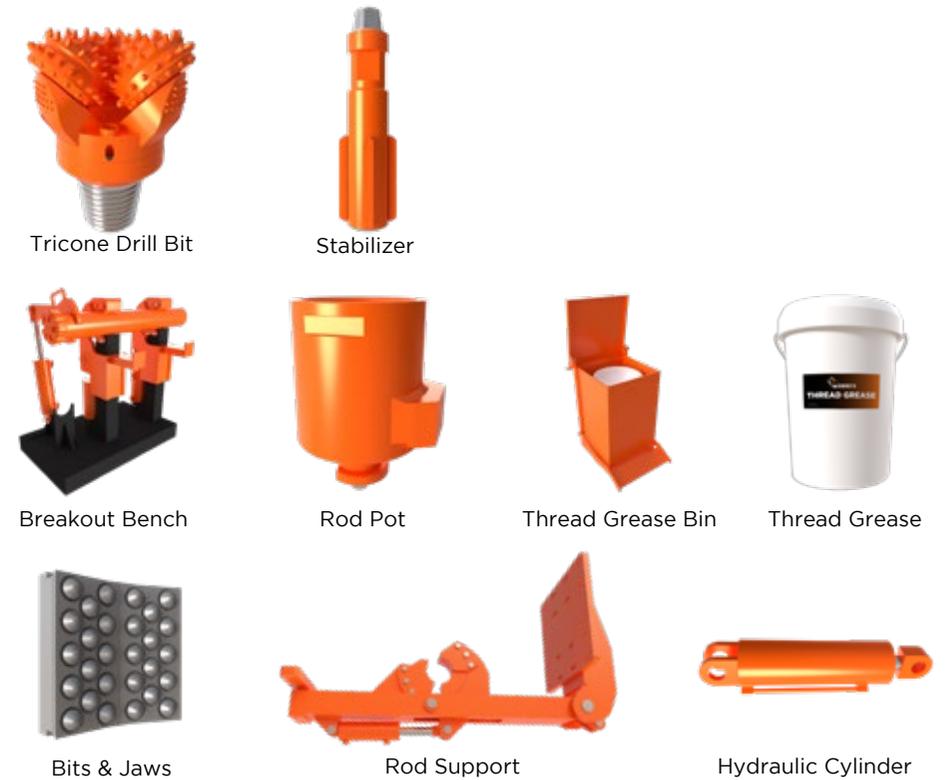
Product Quality

Because of our uncompromising commitment to safety, quality and functionality it is essential that only approved genuine parts and consumables are used on the Mammoth product range.

Product Map



Product



01

**MAMMOTH
SUB ADAPTORS**



Mammoth Sub Adaptors

The Mammoth Top Sub is a short length of drill collar that has male threads on one end and female on the other. It is screwed into the bottom of the top drive (rotary head) or shock sub and onto the drill rod. It serves as a crossover between the top drive (rotary head) or shock sub connections and the rod connection.

The Mammoth Bottom Sub is a short length of drill collar that has male threads on one end and female on the other. It is screwed onto the bottom of the drill rod and onto the drill bit. It serves as a crossover between the drill rod connections and the bit connection.

Benefits of the Mammoth Top/Bottom Subs

- Quality manufacturing
- Durability for the best performance



Technical Specifications

Common Specifications		Mammoth Technologies All designs, specifications and components of the equipment described herein are subject to change at the manufacturer's discretion at any time without prior notice.			
Outside Diameter (in)	Outside Diameter (mm)	Top Sub Pin: API Box: BECO/ API	Bottom Sub Pin: API/ BECO Box: API	Bit thread sizes to suit machine	Recommended Connection
4½"	114.0mm	Requirements from customer <ul style="list-style-type: none"> • Drill manufacturer • Drill model • Drill rod diameter • Shoulder to shoulder length • Actual thread size • Spanner flat position 			3½" API & 3½" BECO
5"	127.0mm				3½" BECO
5"	127.0mm				3½" BECO
5½"	139.7mm				3½" BECO
5½"	139.7mm				3½" BECO
6"	152.4mm				4" BECO
6¼"	158.8mm				4" BECO
6¼"	158.8mm				4" BECO
6¼"	158.8mm				4" BECO
6½"	168.3mm				4½" BECO
7"	177.8mm				4½" BECO
7"	177.8mm				4½" BECO
7"	177.8mm				5¼" BECO
7½"	190.5mm				5¼" BECO
7⅝"	193.7mm				5¼" BECO
7⅝"	193.7mm				5¼" BECO
7⅝"	193.7mm				5¼" BECO
8⅝"	219.1mm				6" BECO
8⅝"	219.1mm				6" BECO
8⅝"	219.1mm				6" BECO
10¾"	273.1mm	8" BECO			
10¾"	273.1mm	8" BECO			

The Mammoth Top Sub | Bottom Sub can be designed to fit any OEM machine application.

The Mammoth Top Sub | Bottom Sub is not limited to any specific range only.

Mammoth Top Subs | Bottom Subs can be manufactured to customer specifications and thread requirements.

The Mammoth Top & Bottom Sub

When rods must be added to increase the depth of drilling, the loosening of the threads are now performed at the bottom end of the saver sub as opposed to the bottom of the top drive (rotary head) which is the most expensive part of the drill string. This means that the connection between the top end of the saver sub and top drive (rotary head) is seldom used, and suffers minimal wear and tear, whereas the lower connection is used in almost all cases displacing the most wear and tear from the rotary head connection to the much lower cost, saver sub which is expendable and does not represent a major investment. The top drive or rotary head component, on the other hand represent a significant capital outlay and considerable downtime when it needs to be replaced.



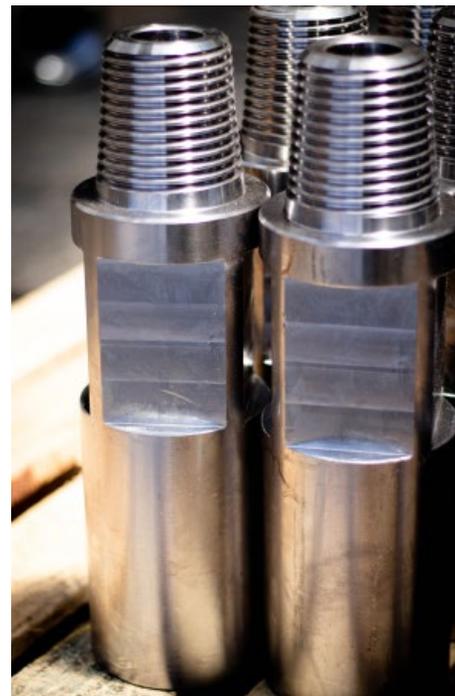
Bottle Neck Top Sub



Bottom Sub with Hardfacing



Top/Bottom Sub



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