

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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Web: www.nsimbiequipment.com

NORTHERN CAPE

Mammoth Drill Tools Northern Cape

Orbed Petrus

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Whitey Thomas

Mobile: +27 82 577 9677

Distributor/Agent

Name: _____

Mobile: _____

Email: _____

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

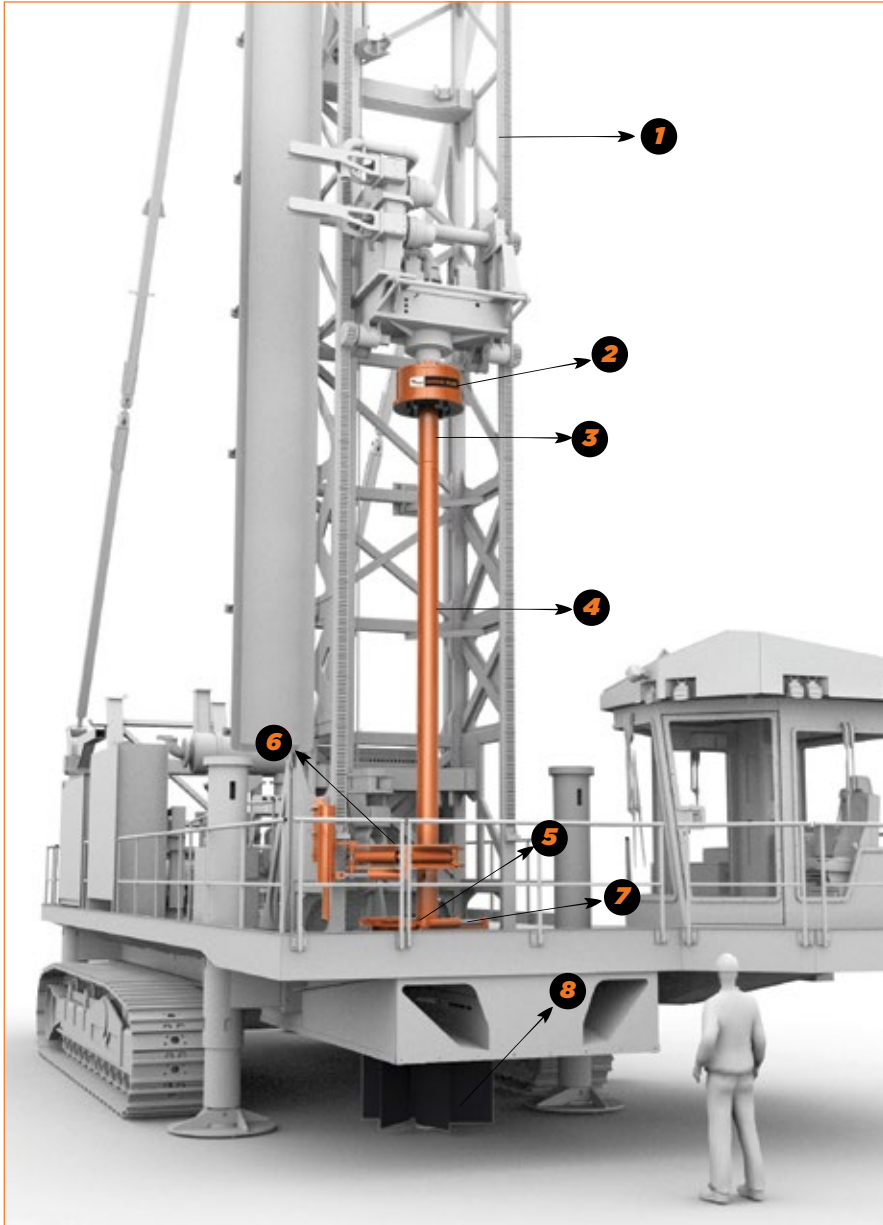
repairs@mammothtech.co.za

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

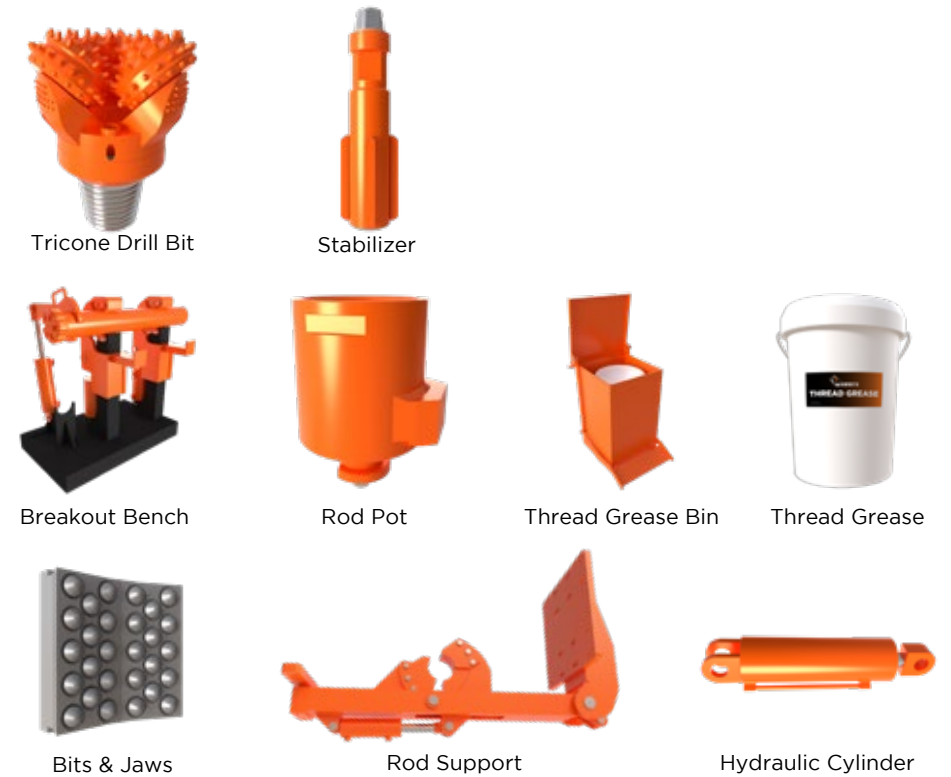
Product Quality

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

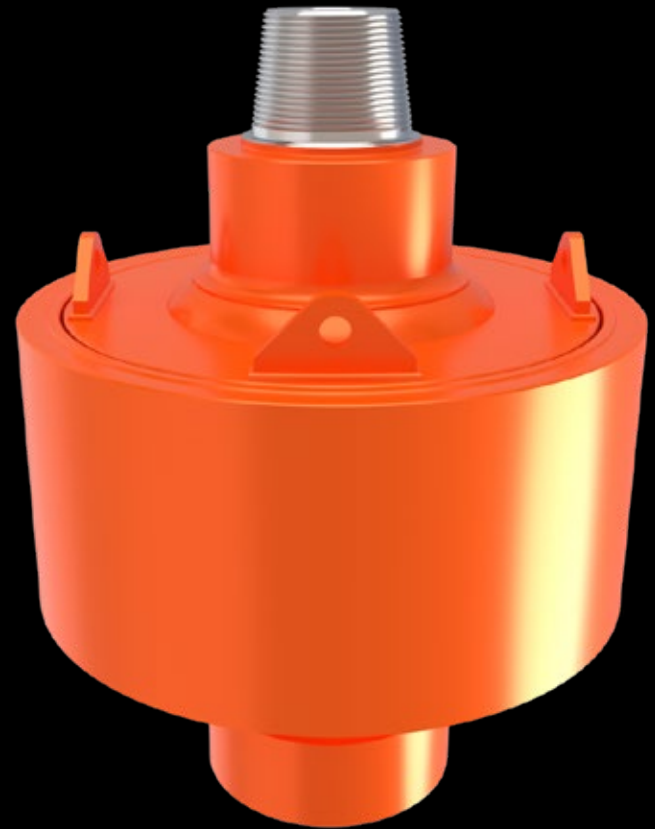


Product



01

**MAMMOTH
SHOCK SUB**



Mammoth Shock Sub

The Mammoth Sealed Shock Sub is designed to reduce vibration and shock by absorbing these energies from being transferred to the powerhead during rotational pull-down and pullback operations to maximize the lifespan of the tooling and increase drilling productivity.

Mammoth Shock Sub is designed to address:

- Wear and tear on conventional shock sub systems
- Multidirectional absorbency limitations
- Inadequate seal characteristics
- Need for enhanced safety features

Benefits of using a Drill Rig

- Reduces drill rig maintenance by dampening torsional & axial shock loads.
- Increases penetration rates by keeping the bit in more uniform contact with ore formation.
- Allows use of higher pull-down force and increased rotary speeds in demanding drilling areas
- Increases bit life by dampening repeated shock loads normally transmitted to the bit bearings and cutting structure
- Decreases noise levels by eliminating metal to metal contact between rotary drive & drill pipe
- Rotary and DTH compatible



Standard Sizes:



8" Shock Sub



10" Shock Sub

New 8" Shock Sub designed & manufactured for the Epiroc D65 drill rig.



18" & 22" Shock Sub



24" & 28" Shock Sub

*The percentages and figures reflected are estimates based on testing of the product and are not guaranteed results. The percentages of improvement will vary depending on factors such as rock type, rock abrasiveness, groundwater and drilling parameters.

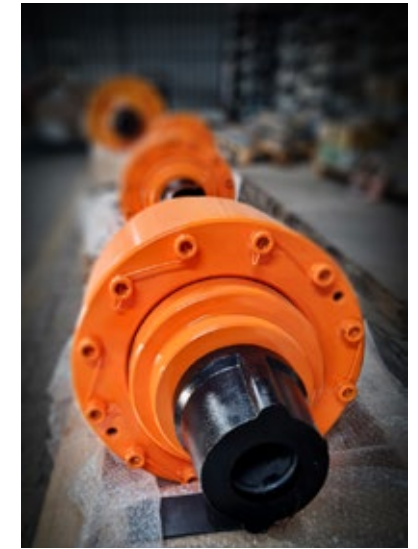
Technical Specifications - Standard Range

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.

Model	Diameter Element	Shoulder to Shoulder Size (Standard)	Drill Pipe OD (Guidance Only)	Pull Down Force (LBS)	Approx Weight
10	10	Per customer request	3½ - 7"	30 000 to 55 000	100
15	15"	Per customer request	4½" - 7½"	30 000 to 60 000	350
18	18"	per customer request	6" - 7⅝"	50 000 to 121 000	450
22	22"	per customer request	7⅝" - 8 ⅝"	50 000 to 121 000	700
24	24"	per customer request	7⅝" - 8 ⅝"	50 000 to 121 000	800
28	28"	per customer request	8 ⅝" - 10 ¾"	100 000 to 150 000	1050
34	34"	per customer request	8 ⅝" - 13⅝"	100 000 to 150 000	1500

All Mammoth Shock Subs are based on a standard shoulder to shoulder length. Mammoth Shock Subs are not restricted to standard shoulder to shoulder lengths, as we can customize the shoulder to shoulder dimension according to client specifications.

It's recommended that only genuine OEM spare parts & consumables are used on the Mammoth product range, to ensure full performance & operational stability. Utilising unauthorised spare parts & consumables can result in injury & potentially void warranty claims. Enquire for Rigs not displayed here.



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