



ANAF COMMERCIAL SERVICES

BUSINESS PROPOSAL

◆
—
SUPPLY OF INDUSTRIAL CONSUMABLES
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SUPPLY OF INDUSTRIAL CONSUMABLES



OUR VISION

At ANAF, we seek to create an environment for talent to innovate, perform, and strive for industry best practices, excel in market share and meet customer expectations with consistent growth.



OUR PEOPLE

A strategic vision does not define a company's success – its people do. We have some of the most talented and technically advanced team members in the industry. We encourage an environment of collaboration, knowledge sharing, and innovation, which translates to better service for our clients.

OUR OFFER

We supply various kinds of consumables such as;

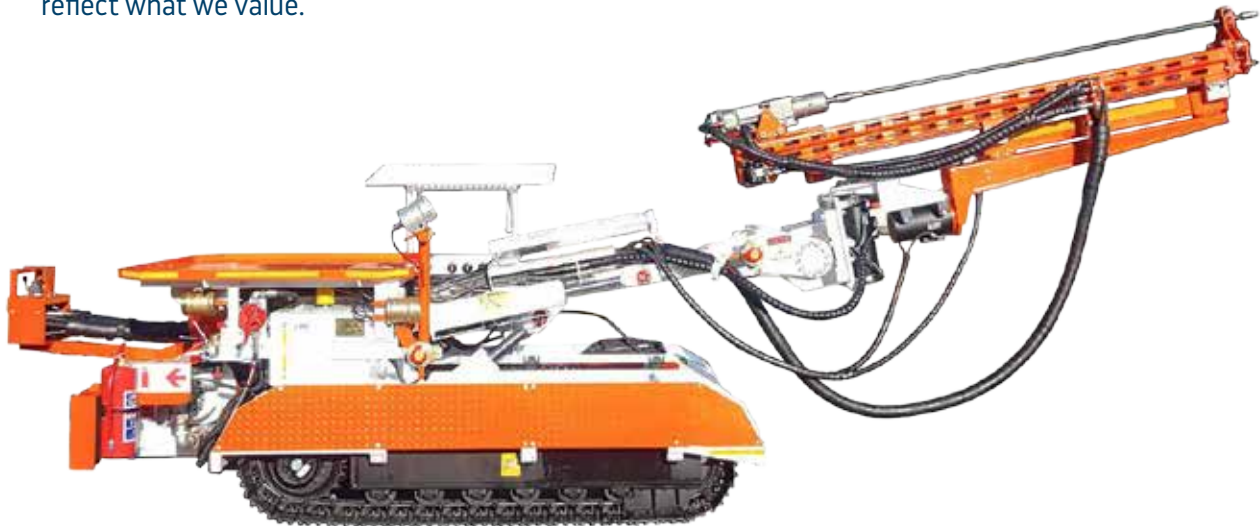
MINING CONSUMABLES

- Corrosion Resistant Roller Chains
- Drilling Consumables
- Relining
- SAG Mill Liners
- Ball Mill Liners
- Jaw Crusher Liners (swing and fixed set)
- Regrind Mill Liners
- Multipurpose Grease
- Hazardous Area and Mine Lighting
- Automotive Oils and Lubricants
- Water pumping Machines
- Etc

▶ HISTORY

Anaf commercial services Limited (ACS), incorporated in 2007 is registered as a service provider in Ghana and has built a strong and reliable support service for corporate institutions like yours.

Anaf Commercial Service (ACS) Limited has always been values driven and our team of experience, skilled and professional procurement experts ensure that our services are unmatched in the procurement industry. These principles continue to direct the business and growth of the organization, support our vision, shape our culture and reflect what we value.



REFINED CHEMICALS

- Ferric Sulphate
- Sodium Cyanide
- Hydrochloric Acid
- Caustic Soda
- Sulphuric Acid



HEALTH AND SAFETY

- Full Protection Gear
- Fire and Electrical Safety
- Personal Protective Equipment
- First Aid Supplies
- Etc



FLUID HANDLING

- Filters
- Flow Meters
- Valves, Fittings and Components
- Hoses, Pipes and tubing
- Gaskets and seals
- Etc



INDUSTRIAL CONSUMABLES

- Abrasives
- Adhesives
- Batteries
- Lubricants and Oils
- Fasteners
- Rivets, Nuts and Clips
- Etc



▶ ANCHORS & RELATED STRATA CONTROL PRODUCTS

Anaf supplies mechanical, spin, multi-strand, de-bonded and double corrosion protected type anchors, which are manufactured to the client's required specifications. Anchors can be made to suit any hole size. All safety critical ranges are tested at the CSIR, to ensure compliance to the required safety standards. Anaf supplies a variety of lock-off barrels, to suit various applications.

The PLV Series of barrels is Anaf's newest product in barrel technology, which features anti-preactivation, specified load tension indication and over-load tension indication.

Spin Anchors are primarily used as secondary support in soft rock mines, especially coal mines. The anchors are usually point anchored with quick set resin and, dependent on the Rock Engineer's requirements, they may also be grouted. Spin Anchors are manufactured to the customer's requirements and are supplied complete with dome plate, barrel & wedge. In the event that the anchor is to be grouted, a grout tube, breather tube & gasket will be provided separately.

Anaf's also supplies multi-bulb passive anchors with fishhooks. The bulb spacing is carried out to the client's specification. Spin Trusses are generally used for supporting slips, faults, bullnoses, large roof spans, friable roof conditions (used in conjunction with mesh and straps), pillar wrapping (support). Trusses are made to the client's required length.

Mechanical Anchors are primarily used as secondary support in hard rock mines. They are used both in development ends and in the stopes. Mechanical Anchors are usually full column grouted and anchors are supplied complete with dome plate, barrel, wedge and grout fittings (breather tube, grout tube and Gasket). Mechanical trusses are generally used for supporting slips, faults, bullnoses, large roof spans, friable roof conditions (used in conjunction with mesh and straps, pillar wrapping support).

Trusses are made to the client's required length. Dynamic testing of anchors being carried out on our 50 tonne test rig. Pre-load indicators are tested to ensure that they activate at the specified loads. Shock testing is carried out on the anchor to simulate a blast in situ. Anchor barrels are struck 3-4 times with a 4-pound hammer to check that the anchors do not lose excessive load. Anchors are also tested to destruction to validate ultimate breaking strength.

Left to right: 25T PLV Mechanical Anchor with dome plate, grout tubes & foam sponge; 25T Mechanical Anchor DTI Barrel with dome plate, grout tubes, foam sponge, anchor shell & cone; 25T PLV with dome plate, untensioned (snap ring attached); 38T PLV excluding dome plate, tensioned (no snap ring)



Left to right: 25T PLV Mechanical Anchor with dome plate, grout tubes, foam sponge, anchor shell & cone; 38T DTI Barrel Mechanical Anchor with dome plate, grout tubes & foam sponge; 38T Mechanical Anchor DTI Barrel with dome plate, grout tubes, foam sponge, anchor shell & cone



Left to right: 38T PLV Mechanical anchor with dome plate, grout tubes, foam sponge, anchor shell & cone; 38T PLV Spin Anchor with two bird cages for mixing of resin; Bird caging on spin anchor





Left to right: 25T PLV Domeplate Barrel & Wedge;
Nose Cone; Expansion Shell Assembly



Left to right:
25T Double Barrel; Resin Bolt



▶ MINING CONSUMABLES

Hydraulic Hoses & Fittings, Mining Hoses & Fittings, Drill Rods, Couplers & Drill Bits, Exploration Drill Rods, Coring Bits, Core Lifters, Safety Slings, Lubricators (Steel), Oils & Lubricants, Splitset Dollies, Roofbolt Spanners, Spin Adaptors, Resin, Grout.



Water Swivels, Drill Rods, Core Drilling Drill Bits; Reaming Shell Adaptors



Left to right: Grout Fittings; Drill Bits & Adaptor; Drill Spanners



Left to right: Slotted Spinning Adaptors; Roofbolt Adaptors

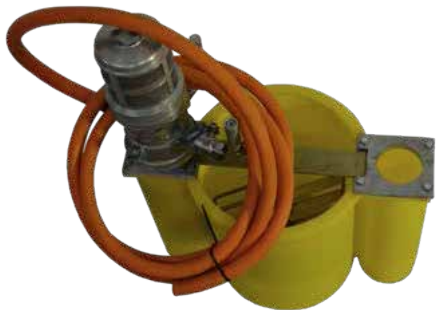


Hoses



Left to right: Reaming Shell Adaptor; Spinning Adaptors; Multi Port Barrel; Lubricator

Left to right (top to bottom): Air-Grout Mixer & Pump; Grout Hand Mixer Hand Pump; Grouter Multi Air Powered Combi; Pumpable Grout in 10/20/25kg bags



STRESSING EQUIPMENT

FAB170 25 TON STRESSING JACK

Stressing Jacks are used to tension cable anchors. Suitable for tensioning 13mm, 15mm & 18mm cable anchors. Rear gripping (minimum strand length for gripping 500mm) Easy to change gripping wedges/jaws Powered by double acting hydraulic pump Fabchem manufactures Stressing Jacks, Stressing Pumps and Power Packs.



FAB P55 HYDRAULIC STRESSING PUMP

Single acting hydraulic pump (4-way valve)
Maximum output pressure – 10 000psi/690 Bar
Hand operated, Large reservoir, Compatible with most single and double acting hydraulic cylinders



FAB195 STRAND CROPPER

Strand Cropper, can cut 13mm, 15mm and 18mm anchor strand. Max pressure - 60MPA
Design cutting force - 290KN



FAB820 COMPLETE PULL TESTER

Single acting pull tester.
Max pulling capacity - 20 ton
Ram diameter - 3436mm²
Max pressure - 55 MPA.



FAB400 25 TON STRESSING JACK

Suitable for tensioning 15mm and 18mm cable anchors Front gripping (minimum strand length for gripping 150mm)
Easy to change gripping wedges/jaws
Powered by double acting hydraulic pump Stressing Pumps are used to actuate a variety of single and double acting hydraulic rams.



FAB600 AIR HYDRAULIC STRESSING PUMP

Double acting hydraulic pump (4-way valve)
Maximum output pressure – 10 000psi/690 Bar
Air intensified (operates with compressed air)
Ergonomic design for minimum operator effort
Large reservoir Compatible with most single and double acting hydraulic cylinders



FAB460 HYDRAULIC STRESSING PUMP

Heavy duty double acting hydraulic pump (4-way valve)
 Maximum output pressure – 10 000psi/690 Bar.
 Hand operated
 Large reservoir
 High volume per stroke
 Rugged construction
 Compatible with most single and double acting hydraulic cylinders



POWER PACKS

Intensification hydraulic over hydraulic / air over hydraulic.
 Maximum output pressure 60MPa/600Bar
 Valve solenoid actuated / mechanical.
 Pump displacement to customer specification.
 Reservoir volume to customer specification.
 Electrical supply 220V single phase / 380V three phase (electric intensified units only).
 Flameproofing to client specification.



PORTABLE DRILLING EQUIPMENT

Gopher Portable Roofbolter
Bora Rock Drill
Cub Hand Held Borer
Equipment Training
Gopher Portable Roofbolter



Cub Hand Held Borer



Jack Hammer



New Gopher



Refurbished Gopher



Refurbished Gopher
being hand held



VULA DRILLING

Anaf is the official distributor for Vula Drilling (Pty) Ltd in Ghana.



Some of the Drill Bits, Drill Rods and Reamers available in the Vula Range.



AMERICAN MANUFACTURING COMPANY

Anaf is a the distributor for AMC in West Africa.

American Manufacturing Company is a quality manufacturer of new and replacement parts for the wide variety of mud pumps, centrifugal pumps, rig parts, and swivel parts found on the world market today. Highly trained staff use state-of-the-art equipment and proven quality control methods to produce the finest pump replacement parts found in the market today..



American 4.5" x 5" FF-AXFM



Nut Piston



American AL0918B Piston Pump



Ball Valve Seat



Disc and Spring Valve Assembly



DOOFOR ROCK DRILLS

Anaf Is a distributor for Doofor Rock Drills in West Africa.

Doofor rock drills utilize Doofor-developed highfrequency technology, which allows fast penetration speed with less strike force. Drilling speed is enhanced with Doofor's trapezoid-shaped piston design which improves the movement of the blow impulse straight to the drill bit. Rock drills can be equipped with different shank adapters, motor sizes and other options.



12 Hole Valve



Shank Adaptor



Top to bottom: Stop Rings, Water Box Seals & Washers



▶ CAPITAL EQUIPMENT

Anaf supplies, refurbishes and repairs a wide range of mining equipments, such as roofbolters, compressors and cover face drills, to mention a few. Anaf has an experienced field service team to provide equipment support, backed by a comprehensive range of spares and supplies which are kept at the Springs works.

In addition to supporting the OEM range, Anaf has provided total rebuilds on other brands of equipment.



500CFM Flameproof Compressor



Mantis



Tram Control with Valve Lock



Exploration Drill



Exploration Drill



OUR CLIENTS

- Veolia Ghana Ltd
- Global Chemicals and Supplies
- General Electric
- Ghana Ports and Harbour
- TAQA/TICO
- Galaxy Oil

We are available for further discussion on how to advance the business between Anaf Commercial Services Limited and AngloGold Ashanti. We hope this will begin a mutually beneficial business relationship.



**ANAF
COMMERCIAL
SERVICES**





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