



2020

We provide you Complete Solution in
DRILLING EQUIPMENT & CONSUMABLES SUPPLIES
for your all SEISMIC EXPLORATION Projects

BROCHURE & OVERVIEW - SEISMIC DRILLING GEARS

KOHLER Engines

ROCKDRIL

COREDRIL
INTERNACIONAL



WHEEL DRILL 432



JACOB SE-15



FLUSH DRILL PD-12



JACOB ECDRIL 432HD



**JACK HAMMER
SEC-19A & SEC-24**

SCOPE OF SUPPLIES - SEISMIC SHOT-HOLE DRILLING GEARS

Offered by Secura Groups - Karachi (Pakistan)

Tel. #: (92-21) 36646868

Email: ceo@secura-group.com - Website: www.secura-group.com



INTRODUCTION OF OUR FIRM “SECURA GROUPS”

SECURA GROUPS is a professionally managed group of companies established in 1995 after the return of its CEO who returned to Pakistan with 15 years of business experience in Europe.

SECURA GROUPS is working under the umbrella of its parent company namely “M/S. AHMED & ASGHAR CO.” which was founded in 1958.

SECURA GROUPS is a 100% family owned organization having a team of 10-12 dynamic professionals in Pakistan, a sizeable network of leading local contractors as well as, international associates/overseas principals /consultants and a long list of satisfied clients in Pakistan.

We, at “**SECURA**” enjoy an enviable reputation among our Client, built-over the past years, an asset, which we always cherish and promote with hard work, sincerity, energy and focused systematic approach.

The company has substantial experience and expertise with the working method, demands, problems and aspirations of **SEISMIC EXPLORATION, OILFIELD, GEO-TECHNICAL, PROCESS ENGINEERING, PETROCHEMICAL, MARINE / PORT RELATED AND ALLIED CIVIL CONSTRUCTION INDUSTRIES** in Pakistan.

It is this primary consideration which has initiated the firm to develop a strong network in introducing the **HI-TECH & STATE-OF-THE-ART** Systems / Equipment / Components & Services to assist, boost and develop the existing infrastructure of the above-named industries in Pakistan.

In 1995 our Company also set-up the services within the Group to cater for the Seismic Exploration Equipment, thus focusing supplies for the seismic drilling gears and services required by the seismic contractors; may it be at the design stage, tendering stage or at execution stage.

SECURA GROUPS feels proud to mention about its having already successfully and efficiently worked with the following renowned Seismic Contractors in Pakistan.

- ≈ **DANA ENERGY**
- ≈ **CGG**
- ≈ **WESTERN GEOPHYSICAL**
- ≈ **GECO-PRAKLA / GEO-WESTERN**
- ≈ **SPA**
- ≈ **BGP PAKISTAN**
- ≈ **GEOFIZYKA KRAKOW**
- ≈ **SINOPEC PAKISTAN**
- ≈ **SENSHE PAKISTAN**

SECURA GROUPS is fully capable and strongly in the position to meet the demands of allied Seismic Drilling Equipments / Accessories and Consumables for your entire project(s).




CONSTITUTION OF THE COMPANY

NAME OF COMPANY	:	SECURA GROUPS
YEAR OF INCORPORATION	:	1995
CEO	:	SYED ALI TIRMIZI
MANAGER – TECHNICAL	:	ENGR. SYED JAWWAD TIRMIZI
OFFICE ADDRESS	:	HOUSE NO. A-395, STREET – 12, BLOCK – N, NORTH NAZIMABAD, KARACHI-PAKISTAN
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STRN #	:	3277876139335
KARACHI CHAMBER OF COMM.#	:	111606




1. JACROBS & PORTABLE SEISMIC SHOT-HOLE DRILLS

SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
1		<p><u>MAN-PORTABLE DRILLING RIG/ JACROB MODEL: "SE-15" HYDRAULIC DRILL RIG</u></p> <p>SE-15 CAN BE DIS-ASSEMBLED INTO 6-MODULES WITHOUT THE USE OF ANY SPECIAL TOOLS. EACH MODULE WEIGHS LESS THAN 68 KG AND THIS MAKES POSSIBLE TO BE EASILY TRANSPORTED BY GROUND CREW. IT HAS ITS OWN GASOLINE ENGINE 30-HP THAT DRIVES THE HYDRAULIC SYSTEMS.</p> <p>THE SE-15 IS CAPABLE OF DRILLING UP TO 30 METERS DEPTH FROM 2.5" (64 MM) TO 4" (102 MM) DIAMETERS DEPENDING OF GEOLOGICAL FORMATIONS, COMPRESSORS CAPACITY AND OPERATOR ABILITY ETC. IT IS IDEAL FOR SEISMIC EXPLORATION WHEN DRILLING IN EXTREMELY INACCESSIBLE LOCATIONS, SERVICING HOLES, MICRO PILES FOR HIGH TENSION TOWERS AND ANCHORING.</p> <p>THIS MACHINE CAN PERFORM BOTH DOWN-THE HOLE HAMMER WITH DTH BUTTON BIT & ROTARY DRILLING WITH DRAG/ROCK BITS.</p> <p>ORIGIN: MEXICO / THAILAND</p> <p>NOTE: KINDLY SEE BROCHURE ATTACHED</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
2	 	<p><u>MAN-PORTABLE DRILL / JACROB WAGON WHEELDRILL 432</u></p> <p>THE WAGON WHEELDRILL 432 IS A MAN-PORTABLE LIGHT-WEIGHT DRILL RIG SUITABLE FOR SEISMIC SHOT-HOLES AND VARIOUS OTHER GEOLOGICAL APPLICATIONS.</p> <p>IT CAN BE DISMANTLED IN TO 2-MODULES WITHOUT THE USE OF ANY SPECIAL TOOLS.</p> <p>IT IS MOST SUITABLE FOR USE ON SITES OF DIFFICULT ACCESS AND CAN BE USED FOR BOTH DTH AND ROTARY/MUD DRILLING USING DTH & DRAG BITS UP TO 20-METER DEPTH AND 3-4" DIAMETERS.</p> <p>ORIGIN: MEXICO / THAILAND</p> <p>NOTE: KINDLY SEE BROCHURE ATTACHED</p>






SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
3		<p><u>MAN-PORTABLE DRILL/ JACROB ECODRIL 432 & 432HD</u></p> <p>THE MAN-PORTABLE DRILL “ECODRIL” IS A FULLY PNEUMATIC OPERATED DRILL RIG THAT CAN DRILL WITH A DOWN-THE-HOLE HAMMER WITH DTH BIT FROM 2.5” (64MM) TO 4” (102 MM) DIAMETER, TO A DEPTH OF 30-40 METERS DEPENDING OF GEOLOGICAL FORMATIONS, COMPRESSORS CAPACITY AND OPERATOR ABILITY ETC.</p> <p>THE ECODRIL CAN ALSO WITH FULL CONFIDENCE WORK UNDERNEATH WATER. IT CAN ALSO BE TAKEN APART INTO THREE MODULES WITHOUT THE USE OF SPECIAL TOOLS; EACH MODULE WEIGHS LESS THAN 70KG, AND THIS ENAB LES ONE PERSON TO CARRY ONE MODULE AT A TIME, SO THEY CAN MOVE IT TO IN-ACCESSIBLE PLACES. THE ECODRIL GIVES CONSIDERABLE SAVINGS IN CAPITAL COST AND OPERATIONS. THERE IS USAGE OF GASOLINE OR HYDRAULIC OIL; THIS ELIMINATES ALL OF FOREST FIRES, TOXIC GASES, OIL SPILLS AND NOISE.</p> <p>THIS DRILL IS WIDELY USED FOR SEISMIC DRILLING, MINING, IN CONSTRUCTION FOR CEMENTATION, ANCHORS AND DRAIN HOLES.</p> <p>ORIGIN: MEXICO / THAILAND</p> <p>NOTE: KINDLY SEE BROCHURE ATTACHED</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
4	 	<p><u>MOTORIZED MAN-PORTABLE ROTARY FLUSH DRILL PAK DRIL PD-12</u></p> <p>THE PAKDRIL-12 OR PD-12 IS A MAN-PORTABLE LIGHT WEIGHT DRILLING RIG SUITABLE FOR DRILLING SHOT HOLES IN VERY DIFFICULT ACCESS AREAS; THE PD-12 IS DESIGNED TO BE USED WITH ROTARY DRAG BITS BUT CAN ALSO BE USED WITH OTHER TOOLS FOR DIFFERENT APPLICATIONS. FLUSHING CAN BE DONE USING COMPRESSED AIR, WATER OR MUD WITH DRILLING FLUID.</p> <p>THE MAXIMUM DRILLING DEPTH WILL ALWAYS DEPEND ON THE MAN POWER STRENGTH FOR LIFTING BUT CAN EASILY DRILL UP TO 20-25 METERS WITH 4-5 OPERATORS (DEPENDING ON CAPABILITY AND SKILLS OF OPERATORS, GEOLOGICAL FORMATION, HOLE DIAMETER AND WEIGHT OF TOOLS).</p> <p>ORIGIN: MEXICO / THAILAND</p> <p>NOTE: KINDLY SEE BROCHURE ATTACHED</p>







2. SEISMIC SHOT-HOLE DRILLING GEARS

SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
1		<p><u>DOWN-THE-HOLE HAMMER FOR JACROBS</u></p> <p>USABLE FOR DRILLING DIA: 3.5" TO 4.5" WITH DTH BUTTON BIT.</p> <p>MAKE / ORIGIN: EUROPEAN THREADS : BULROCK & DHD 3.5</p> <p>SIZES:</p> <ul style="list-style-type: none"> 60 MM. (OUTER DIAMETER) 75 MM. (OUTER DIAMETER)
2		<p><u>DTH BUTTON BITS FOR DTH DRILLING WITH JACROBS IN HARD ROCKS</u></p> <p>MAKE/ ORIGIN: EUROPEAN THREADS: BULROC & DHD 3.5</p> <p>DIAMETERS:</p> <ul style="list-style-type: none"> 3.0" 3.5" 4.0" 4.5"
3		<p><u>DTH DRILL PIPES SUITABLE FOR JACROBS FOR ROTARY DRILLING USING DRAG/ROCK BITS & WITH DTH HAMMER/ DTH BUTTON BITS SUITABLE FOR AIR/ROTARY DRILLING</u></p> <p>USABLE FOR DRILLING DIA: 3.0" TO 4.5" WITH DRAG / ROCK BITS (FOR ROTARY DRILLING) & DTH HAMMER / DTH BUTTON BIT (FOR AIR DRILLING).</p> <p>MAKE / ORIGIN OF TOOLJOINT: EUROPEAN</p> <p>THREADS:</p> <ul style="list-style-type: none"> API. 2-3/8" REG. PIN-BOX N-ROD ALSO OTHER THREAD TYPES AVAILABLE <p>DIAMETERS: 42-68 MM LENGTH: 1.5 METER THICKNESS OF PIPE: 4.50 MM</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
4		<p><u>3-WAY STEP / DRAG BITS – SUITABLE FOR SEISMIC SHOTHOLE ROTARY DRILLING WITH JACROBS & HAND-FLUSHING UNITS IN SOFT-MEDIUM FORMATIONS</u></p> <p>MAKE / ORIGIN: WALKER MCDONALD (CANADA)</p> <p>AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 3-0" • 3-1/2" • 4-1/4" • 4-3/4" <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. PIN • N-ROD • ALSO OTHER THREADS TYPES AVAILABLE
5		<p><u>3-WAY CHEVRON / DRAG BITS – SUITABLE FOR SEISMIC SHOTHOLE ROTARY DRILLING WITH JACROBS & HAND-FLUSHING UNITS IN MEDIUM-HARD FORMATIONS</u></p> <p>CHEVRON BITS ARE RECOMMENDED FOR DRILLING IN SLIGHTLY HARDER AND MORE CONSOLIDATED MATERIALS THAN STEP-TYPE DRAG BITS SUCH AS; HARD SHALES, LIMESTONE AND TOUGHER GRAVELS.</p> <p>MAKE / ORIGIN: WALKER MCDONALD (CANADA)</p> <p>AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 3-0" • 3-1/2" • 4-1/4" • 4-3/4" <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. PIN • N-ROD <p>ALSO OTHER THREADS TYPES AVAILABLE</p>
6		<p><u>TCI ROCK BITS SUITABLE FOR SEISMIC SHOTHOLE & UPHOLE ROTARY DRILLING WITH JACROBS & TRUCK-MOUNTED RIGS IN HARD FORMATIONS</u></p> <p>MAKE / ORIGIN: WALKER MCDONALD (CANADA)</p> <p>AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 3-1/4" • 3-7/8" • 4-1/2" <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. PIN THREAD



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
7		<p><u>3-ROLLER STEEL TOOTH BITS SUITABLE FOR SEISMIC SHOTHOLE & UPHOLE ROTARY DRILLING WITH JACROBS & TRUCK-MOUNTED RIGS IN SOFT-MEDIUM FORMATIONS</u></p> <p>MAKE / ORIGIN: WALKER MCDONALD (CANADA)</p> <p>AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 3-1/4" • 3-7/8" • 4-1/2" <p>THREADS:</p> <p>API.2-3/8" REG. PIN THREADS</p>
8		<p><u>BIT SUBS- LOCALLY MANUFACTURED ACCORDING TO INTERNATIONAL STANDARDS - MACHINED AND HEAT TREATED WITH RIGHT MATERIALS</u></p> <p>AVAILABLE IN TYPE:</p> <ul style="list-style-type: none"> • BOX – BOX <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. • API.2-7/8" REG. • N-ROD
9		<p><u>BIT SUBS- LOCALLY MANUFACTURED ACCORDING TO INTERNATIONAL STANDARDS - MACHINED AND HEAT TREATED WITH RIGHT MATERIALS</u></p> <p>AVAILABLE IN TYPE:</p> <ul style="list-style-type: none"> • PIN – PIN <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. • API.2-7/8" REG. • N-ROD
10		<p><u>BIT SUBS- LOCALLY MANUFACTURED ACCORDING TO INTERNATIONAL STANDARDS - MACHINED AND HEAT TREATED WITH RIGHT MATERIALS</u></p> <p>AVAILABLE IN TYPE:</p> <ul style="list-style-type: none"> • BOX – PIN <p>THREADS:</p> <ul style="list-style-type: none"> • API.2-3/8" REG. • API.2-7/8" REG. • N-ROD

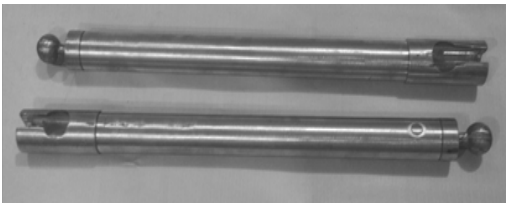




SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
11		<p><u>HIGH-PRESSURE PNEUMATIC HOSE SUITABLE FOR AIR DRILLING WITH JACROBS AND FOR CONNECTION WITH AIR COMPRESSOR</u></p> <p>ORIGIN: EUROPEAN AVAILABLE IN DIAMETERS</p> <ul style="list-style-type: none"> • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER • 38 MM INNER DIAMETER • 50 MM INNER DIAMETER <p>NOTE: AVAILABLE IN 50 & 100 METER LENGTHS PER ROLL AND CAN BE JOINTED WITH QUICK COUPLINGS FOR EXTENSION</p>
12		<p>a) <u>PRE-FITTED, LIGHT-WEIGHT LAYFLAT HOSE WITH CAMLOCK FITTINGS FOR USE IN ROTARY MUD DRILLING & WITH HAND-FLUSHING UNITS</u></p> <p>ORIGIN: KOREAN AVAILABLE IN LENGTH/DIAMETERS: 100' X 2" - 2.5"</p> <p>b) <u>PRE-FITTED SUCTION HOSE, COMPLETE WITH CAMLOCK FITTING & SUCTION FILTER SUITABLE FOR USE WITH HAND-FLUSHING UNITS.</u></p> <p>ORIGIN: LOCAL MADE AVAILABLE LENGTH/DIAMETERS: 15' X 2" - 3"</p>
13		<p><u>FOAM PUMP</u></p> <p>THE USE OF A FOAM PUMP IS PARTICULARLY RECOMMENDED DURING DRILLING IN HARD WHEN THE ASCENT OF CUTTINGS IS DIFFICULT DURING THE DRILLINGS. THE FOAM IS THEN INJECTED BY THE PUMP IN THE AIR CIRCUIT TO FAVOR THE ASCENT.</p> <p>ORIGIN: STENUICK-FRANCE MODEL: PM50H DRIVEN BY: GASOLINE ENGINE – 6.0 HP MAX. PRESSURE: 45 BAR MAX. FLOW: 50 M3/HOUR SCOPE OF SUPPLY: STRICTLY AGAINST ORDER</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
14	 <p>TYPE-C TYPE-E</p>	<p><u>FORGED ALUMINUM CAMLOCK FITTINGS - SUITABLE FOR FITTED ON LAYFLAT / HOSE PIPES DURING THE AIR & ROTARY MUD DRILLING WITH JACROBS & ROTARY DRILLING RIGS</u></p> <p>ORIGIN: EUROPEAN AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER • 38 MM INNER DIAMETER • 50 MM INNER DIAMETER <p>NOTE: OTHER SIZES / DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
15	 <p>TYPE-A TYPE-B</p>	<p><u>FORGED ALUMINUM CAMLOCK FITTINGS - SUITABLE FOR FITTED ON LAYFLAT / HOSE PIPES DURING THE AIR & ROTARY MUD DRILLING WITH JACROBS & ROTARY DRILLING RIGS</u></p> <p>ORIGIN: EUROPEAN AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER • 38 MM INNER DIAMETER • 50 MM INNER DIAMETER <p>NOTE: OTHER SIZES / DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
16	 <p>TYPE-D TYPE-F</p>	<p><u>FORGED ALUMINUM CAMLOCK FITTINGS - SUITABLE FOR FITTED ON LAYFLAT / HOSE PIPES DURING THE AIR & ROTARY MUD DRILLING WITH JACROBS & ROTARY DRILLING RIGS</u></p> <p>ORIGIN: EUROPEAN AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER • 38 MM INNER DIAMETER • 50 MM INNER DIAMETER <p>NOTE: OTHER SIZES / DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
17		<p><u>LOADING POLES – BALL SOCKET TYPE</u> <u>MADE WITH ALUMINIUM PIPE &</u> <u>FORGED BALL & SOCKET ENDS</u></p> <p>AVAILABLE IN LGTHS: 10-FEET (OTHER LENGTHS ALSO AVAILABLE) DIAMETER OF PIPE: 25 MM</p> <p>THESE LOADING POLES ARE OUR OWN DESIGNED AND WE SUPPLIED TO “WESTER GEOPHYSICAL”, “WESTERNGECO” & GEOFIZYKA MORE THAN 1000 SETS BETWEEN THE YEARS 1998 – 2001. (NOTE: THESE LOADING POLES MEET ALL REQUIRED SAFETY FEATURES & STANDARDS)</p>
18		<p><u>TAILOR MADE EXPLOSIVE BACK-PACKS</u> <u>DAY BOXES</u></p> <p>THESE EXPLOSIVE BOXES ARE MANUFACTURED AS PER DESIGN OF MR. HARRY DIXON OF “WESTERNGECO”. WE SUCCESSFULLY SUPPLIED THESE EXPLOSIVE DAY BOXES IN LARGE QUANTITIES SINCE THEN TO VARIOUS COMPANIES.</p> <p>DIMENSIONS (LWH): OUTSIDE: 16-1/2” X 14” X 17” INSIDE: 15-1/2” X 13” X 15” MATERIALS: ALUMINUM + WOODEN</p>
19		<p><u>TAILOR MADE SHOULDER-CARRY</u> <u>DETONATOR BOXES</u></p> <p>THESE SHOULDER-CARRY DETONATOR BOXES ARE MANUFACTURED AS PER DESIGN OF MR. HARRY DIXON OF “WESTERNGECO”. WE SUCCESSFULLY SUPPLIED THESE DETONATOR BOXES IN LARGE QUANTITIES SINCE THEN TO VARIOUS COMPANIES.</p> <p>DIMENSIONS (LWH): OUTSIDE: 15-1/2” X 7-1/2” X 9-1/2” INSIDE: 14-1/2” X 6-1/2” X 7-1/2” MATERIALS: ALUMINUM + WOODEN</p>




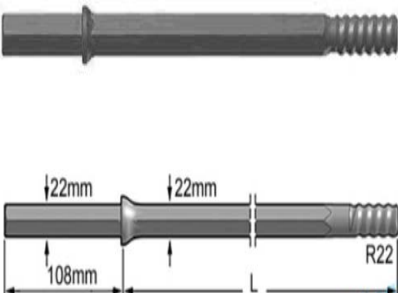
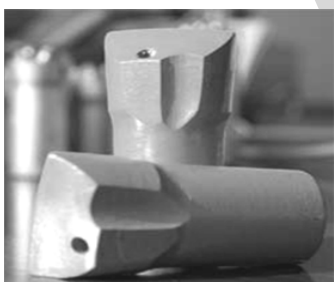
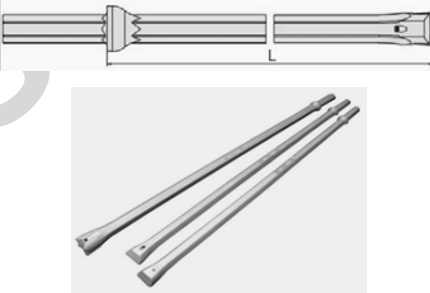
SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
20		<p><u>ROTARY SWIVEL HEAD – INJECTION SWIVEL</u> <u>SUITABLE FOR ROTARY DRILLING WITH FLUSHING UNITS</u></p> <ul style="list-style-type: none"> • SIDE INLET ROTARY SWIVEL • NPT THREADS – 1.0” – 1-1/4” • SUITABLE FOR HAND-FLUSHING UNITS • MADE OF FORGED STEEL • ORIGIN: WM-CANADA
21		<p><u>ROTARY SWIVEL HEAD – INJECTION SWIVEL</u> <u>SUITABLE FOR ROTARY DRILLING WITH FLUSHING UNITS</u></p> <ul style="list-style-type: none"> • SIDE INLET ROTARY SWIVEL • NPT THREADS – 1-1/4” – 1-1/2” • SUITABLE FOR HAND-FLUSHING UNITS • MADE OF FORGED STEEL • HIGH THRUST BALL BEARINGS IN A GREASE LUBRICATED SEALED HOUSING • ORIGIN: WESTERN RUBBER-USA
22		<p><u>CHICKSAN – SWIVEL JOINT</u></p> <ul style="list-style-type: none"> • CHICKSAN STYLE-30 • DIAMETER 3” • WORKING PRESSURE 6000 PSI • ORIGIN: FMC-USA



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
23		<p><u>HAND-FLUSHING UNITS/HAND-FLUSH DRILLING UNITS ARE STATE-OF-THE-ART MANUALLY OPERATED SEISMIC SHOTHOLE DRILLING SYSTEM WHICH IS USED IN SOFT-MEDIUM FORMATIONS</u></p> <p>MAKE/ORIGIN: DESIGNED & MANUFACTURED BY "SECURA"</p> <p>WE OFFER TWO TYPES OF UNITS:</p> <ul style="list-style-type: none"> • MODEL: SEC-HFDU-30 (SUITABLE FOR SHOTHOLE DRILLING UPTO 30-METER DEPTH) • MODEL: SEC-HFDU-40 (SUITABLE FOR SHOTHOLE DRILLING UPTO 40-METER DEPTH) <p>OUR FLUSHING UNITS CONSIST OF THE FOLLOWING COMPONENTS OUT OF WHICH 80% ARE IMPORTED:</p> <ol style="list-style-type: none"> 1. DRILL STEMS FLUSH-WELDED, 3.0 METER LENGTH, O.D. 42.0 MM WITH MAYHEW JR. BOX-PIN THREADS 2. SWIVEL HEAD 1J TYPE "WESTERN RUBBER" USA 3. SWIVEL GOOSENECK 45 OR 90 DEGREE 4. SWIVEL LOWER CONNECTION 5. MUD-PUMP "HONDA" JAPAN – 5-8 HP. GASOLINE DRIVEN 6. SUCTION HOSE 2-2.5" DIA. PRE-FITTED WITH 02 NOS. "CAMLOCK" FITTING (USA) & PERFORATED STRAINER MUD FILTER 7. LAYFLAT (DELIVERY HOSE) 2" X 50 FEET, LIGHT-WEIGHT WITH PRE-FITTED WITH 04 NOS. "CAMLOCK" FITTINGS (USA) 8. DI-WRENCHES 32" OR 36" 9. BIT SUB 10. DRAG BIT "WM" CANADA IN DIA, 3-0" TO 4-1/2" <p>(NOTE: WE SUPPLIED MORE THAN 200 UNITS TO "GEOFIZYKA" & "GECO-PRAKLA")</p>



3. SEISMIC POP-SHOT DRILLING GEARS

SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
1		<p><u>PNEUMATIC HAND-HELD JACK HAMMER/ ROCK DRILLS</u></p> <p>ORIGIN: KOREA MODEL: SEC-19 (19 KG WEIGHT CLASS) MODEL: SEC-24 (24 KG WEIGHT CLASS) SHANK: 7/8" X 4-1/4" HEXAGONAL REQUIRED AIR CONSUMPTION: 90 – 100 CFM</p>
2		<p><u>ROPE 22 THREADED DRILL RODS USABLE WITH PNEUMATIC JACK HAMMERS</u></p> <p>ORIGIN: EUROPEAN SHANK: 7/8" X 4-1/4" HEXAGONAL AVAILABLE IN LENGTHS:</p> <ul style="list-style-type: none"> • 0.80 METER • 1.20 METER • 2.00 METER <p>NOTE: OTHER SIZES / LENGTHS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
3		<p><u>ROPE 22 THREADED DRILL BITS - CHISEL TYPE USABLE WITH ABOVE THREADED DRILL RODS</u></p> <p>ORIGIN: EUROPEAN SHANK: ROPE 22 THREADED AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 38 MM • 40 MM <p>NOTE: OTHER DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
4		<p><u>INTEGRAL DRILL RODS - CHISEL TYPE USABLE WITH PNEUMATIC JACK HAMMERS</u></p> <p>ORIGIN: EUROPEAN SHANK: 7/8" X 4-1/4" HEXAGONAL AVAILABLE IN LENGTHS:</p> <ul style="list-style-type: none"> • 0.80 METER X BIT DIA. 38-40 MM • 1.20 METER X BIT DIA. 38-40 MM • 2.00 METER X BIT DIA. 38-40 MM <p>NOTE: OTHER SIZES / LENGTHS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
5		<p><u>TAPERED DRILL RODS USABLE WITH PNEUMATIC JACK HAMMERS</u></p> <p>ORIGIN: EUROPEAN SHANK: 7/8" X 4-1/4" HEXAGONAL AVAILABLE IN LENGTHS:</p> <ul style="list-style-type: none"> • 0.80 METER • 1.20 METER • 1.80 METER • 2.20 METER <p>NOTE: OTHER SIZES / LENGTHS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
6		<p><u>TAPERED DRILL BITS - CHISEL TYPE USABLE WITH ABOVE TAPERED DRILL RODS</u></p> <p>ORIGIN: EUROPEAN SHANK: 22 MM TAPERED AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 36 MM • 38 MM • 40 MM <p>NOTE: OTHER DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
7		<p><u>TAPERED DRILL BITS - CROSS TYPE USABLE WITH ABOVE TAPERED DRILL RODS</u></p> <p>ORIGIN: EUROPEAN SHANK: 22 MM TAPERED AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 36 MM • 38 MM • 40 MM <p>NOTE: OTHER DIAMETERS CAN ALSO BE SUPPLIED AS PER YOUR DEMAND</p>
8		<p><u>PNEUMATIC HOSE PIPE SUITABLE FOR AIR DRILLING WITH JACK HAMMER / ROCK DRILL FOR CONNECTION WITH AIR COMPRESSOR</u></p> <p>ORIGIN: KOREAN AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 19 MM INNER & 25 MM OUTER DIAMETER <p>NOTE: AVAILABLE IN 200-FEET LENGTHS</p>



SR. NO.	PRODUCT IMAGE	SPECIFICATIONS
9		<p><u>CHICAGO FITTINGS (FEMALE) WITH INTERNAL THREADS FOR DRILLING WITH JACK HAMMER/ ROCK DRILL FOR CONNECTION WITH AIR COMPRESSOR</u></p> <p>ORIGIN: KOREAN AVAILABLE IN SIZES:</p> <ul style="list-style-type: none"> • 19 MM INNER DIAMETER • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER
10		<p><u>CHICAGO FITTINGS (MALE) WITH EXTERNAL THREADS FOR DRILLING WITH JACK HAMMER/ ROCK DRILL FOR CONNECTION WITH AIR COMPRESSOR</u></p> <p>ORIGIN: KOREAN AVAILABLE IN SIZES:</p> <ul style="list-style-type: none"> • 19 MM INNER DIAMETER • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER
11		<p><u>CHICAGO FITTINGS FOR DRILLING WITH JACK HAMMER / ROCK DRILL FOR CONNECTION WITH AIR COMPRESSOR</u></p> <p>ORIGIN: KOREAN AVAILABLE IN SIZES:</p> <ul style="list-style-type: none"> • 19 MM INNER DIAMETER • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER
12		<p><u>FORGED CLAMPS FOR HIGH-PRESSURE PNEUMATIC HOSE PIPE SUITABLE FOR AIR DRILLING WITH AIR COMPRESSOR</u></p> <p>ORIGIN: KOREAN AVAILABLE IN DIAMETERS:</p> <ul style="list-style-type: none"> • 19 MM INNER DIAMETER • 25 MM INNER DIAMETER • 32 MM INNER DIAMETER



4. KOHLER-USA ENGINES & GENUINE SPARE PARTS SUPPLY

KOHLER[®]Engines

SECURA-GROUPS now proudly announces its working association and representation of KOHLER-USA in Pakistan.

Accordingly, we are now strongly in the position to offer FULL RANGE (All Series) of KOHLER Gasoline, Diesel & Propane Engines, as well as Genuine Spare Parts for KOHLER-ENGINES.

HERITAGE – KOHLER POWERS THE EARTH

Nearly a century ago, the first KOHLER engines worked sunup to sundown on American farms. Now they power hard-working equipment for construction, power washing, welding, lawn and landscape, and yes – agriculture.

From the world's first four-cycle, water-cooled gas engine in 1920 to the diesel engines we developed for the U.S. Navy in WWII to the industry's first electronic fuel-injected engine, we've built our reputation on high-quality engines that get the job done. Every time.

DURABILITY – BUILT FOR THE LONG HAUL

We know the torture you put an engine through. Sixteen-hour days. Punishing weather. Monster inclines. So we make sure it lasts. Every engine is Kohler-engineered and extensively tested using stringent Kohler quality criteria.

PARTS & SERVICE – WE'VE GOT YOUR BACK

We stand behind our dealers, and they stand behind our warranty. It's customer first, every time. Need a replacement part? It's in stock now. There are 13,000 dealers in our service network, so if yours doesn't have it, he'll get it in 48 hours or less.



FULL RANGE & ALL SERIES OF KOHLER GASOLINE, DIESEL & PROPANE ENGINES





ENTIRE RANGE OF GENUINE SPARE PARTS FOR KOHLER ENGINES





ENTIRE RANGE OF GENUINE SPARE PARTS FOR KOHLER ENGINES





ROCKDRIL



SE - 15

(MAN-PORTABLE DRILL / JACROB)

DIMENSIONS & WEIGHT (approx)

Length	1575 mm
Width	945 mm
Height	2650 mm
Weight	318 Kg

ENGINE

Model	Kolher / Ch750
Rated power	2 Cylinders engine (Gasoline)
System of cooling	30 hp / 3600 rpm
	Air

HYDRAULIC SYSTEM

General	Gear pump
Capacity of the tank	25 L
System of cooling	Water
Pressure of Operation	1500 / 1800 PSI

ROTATION SYSTEM

Type	Hydraulic motor
Rotation speed	0/134 rpm
Torque	68 kg-m (670 Nm)
Weight	25 Kg

FEED SYSTEM (HYDRAULIC)

Type	Hydraulic motor
Rotation speed	0/134 rpm
Torque	56 kg-m (550 Nm)
Weight	25 Kg

DRILL CAPACITY

Max. Diameter	4" (102 mm)
Max. Depth	30 m
Length drill pipe	1500 mm

FEED SYSTEM

Head travel	1700 mm
Pull-up capacity	1270 Kg
Pull-down capacity	1270 Kg

CHASSIS

The SE15 can be easily separated into 6 parts without the use of any special tools.

1. Chassis	40 Kg
2. Kohler engine	68 Kg
3. Hydraulic pump & cooler	40 Kg
4. Hydraulic tank & control panel	68 Kg
5. Mast & feed motor	64 Kg
6. Rotation motor & swivel	38 Kg
Total weight approx.	318 Kg

CONTROL PANEL

All controls gauges are grouped at the operators station within sight of the borehole.

APPLICATIONS

- Seismic
- Blasting
- Micropiles
- Water Well
- Access Roads
- Servicing Holes
- Anchoring



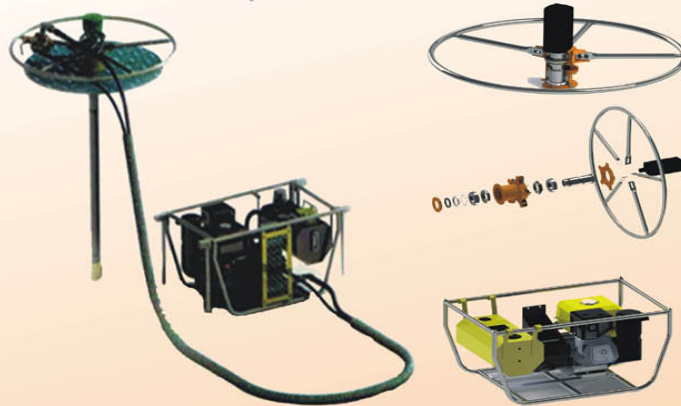
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ROCKDRIL



WHEELDRILL432 (MAN-PORTABLE DRILL / JACROB)

POWER UNIT (Approx)

Length	1,100 mm
Width	590 mm
Height	490 mm
Kerb Weight	86 kg
Hydraulic Tank	20 Lts. (Detachable for easy transport)
Engine	15 HP (Gasoline)

Cooling System: Mechanical Fan Cooler
Chassis: Stainless Steel
Hydraulic Pump: Single Gear Pump 3,600 rpm,
Max. pressure 205 Bar

DRILL UNIT (Approx)

Wheel Diameter	1,000 mm (Stainless Steel)
Weight	42 kg
Height	430 mm
RPM	0-145 rpm
Torque	475 Nm
Max. Intermittent Torque	690 Nm
Working Pressure	140 Bar
Max. Intermittent Pressure	205 Bar

DRILLING CAPACITY

Drag Bit & Down-The-Hole Hammer

Diameter	4"
Depth	20 M
Drill Pipe Length	1.2 M (Standard)
Swivel	Rotary with Air / Water Flushing

APPLICATIONS

- Seismic Exploration Shot holes (in extremely in-accessible locations)
- Construction



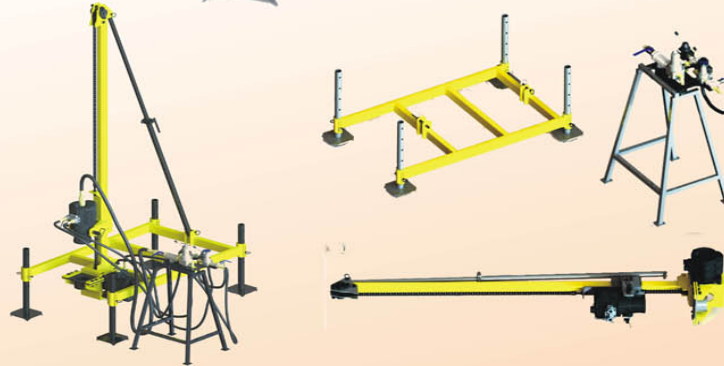
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ROCKDRIL



ECODRIL 432 (MAN-PORTABLE DRILL / JACROB)

DIMENSIONS & WEIGHT (approx)

Length	1450 mm
Width	1080 mm
Height (Mast Up)	2870 mm
Weight	220 Kg

PNEUMATIC ROTATION MOTOR

Model	CD2A
	4 Cylinder air motor
Rated power	1.62 Kw
Max. speed	60 rpm
Torque	60 kg-m (590 Nm)
Air consumption	2000L/min (70 cfm)
Max. air pressure	6 Kg/cm2 (85 psi)
Weight	30.5 Kg

PNEUMATIC FEED MOTOR

Model	CD2R
	4 Cylinder air motor
Rated power	1.62 Kw
Max. speed	60 rpm
Torque	60 kg-m (590 Nm)
Air consumption	2000L/min (70 cfm)
Max. air pressure	6 Kg/cm2 (85 psi)
Weight	25 Kg

DRILL CAPACITY

Max. Diameter	4" (102 mm)
Max. Depth	30 m
Drill Pipe Length	1500 mm

FEED SYSTEM

Head travel	1800 mm
Pull-up capacity	1300 Kg
Pull-down capacity	1300 Kg

GENERAL

The ecodril can be easily separated into 4 parts without the use of any special tools. Each module weighing less than 70kg.

1. Chassis	65 Kg
2. Mast	70 Kg
3. Rotation Motor	31 Kg
4. Control Table	54 Kg

CONTROL PANEL

The panel is separated from the chassis for a better mobility and view while drilling.

OPTIONAL

Wrenches
Lubricator

APPLICATIONS

- Seismic
- Servicing Holes
- Blasting
- Access Roads
- Anchoring
- Water Well



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ROCKDRIL



LIGHT
WEIGHT

Man
Portable

HOLE RANGE

50-100
mm

PD-12

Seismic Shot Hole Made Easy----
MOTORIZED MAN-PORTABLE ROTARY FLUSH DRILL

The PAKDRILL - 12 or PD - 12 is a man-portable light weight drilling rig suitable for drilling shot holes in very difficult access areas. The PD - 12 is designed to be used with rotary drag bits but can also be used with other tools for different applications. Flushing can be done using compressed air, water or mud with drilling fluid.

The maximum drilling depth will always depend on the man power strength for lifting but can easily drill up to 20 meters with 4-5 operators (depending on capability and skills of operators, geological formation, hole diameter and weight of tools)

APPLICATIONS:

- Seismic Shot holes
- Shallow Water Wells

A J.V. DESIGN OF RDA + SECURA

ROCKDRIL

PD-12

MOTORIZED MAN-PORTABLE ROTARY FLUSH DRILL

DIMENSIONS & WEIGHT

Length	930 mm
Width	875 mm
Height	428 mm
Weight	55 kg

ENGINE

Type (Kohler single cylinder gasoline engine)	
Rated power	5.5HP (4kw)
Cooling System	By Air

FEED

Man power pull-up force designed to be handled by 4 operators

ROTATION SYSTEM

Type: Reduction gearbox connected via pulleys to a gasoline engine with safety guard.

Rotation speed: 0 to 70 Rpm controlled by a manual belt tension clutch.

Torque: 575Nm

Swivel: G1 inlet, Air, Water or drilling fluid compatible.

STABILIZERS

4 micro stabilizers for drill pipe break-out and machine resting.

DRILLING CAPACITY

Max diameter: 101 mm (4")
Max recommended depth: 15-20 meters

OPTIONAL MODIFICATIONS

- Diesel engine
- Drill mast for auto-feed system using hand winch

MODIFICATION FOR OTHER APPLICATION ARE POSSIBLE



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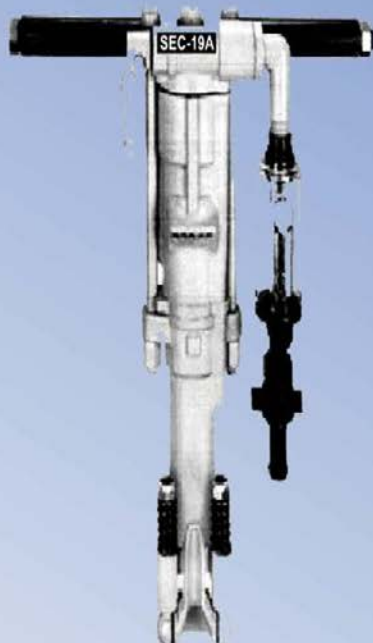
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SEC - 19A

Hand - Held Jack Hammer / Rock Drill
(Made In Korea)



CUSTOMIZED DESIGN

INTRODUCTION

SEC-19A is mainly used in small coal mines and limestone mines for drilling blasting for constructing roads in mountain areas, seismic pop-shot and also in the capital construction for water conservancy works. It is suitable for drilling works in large mines for boulder blasting and other projects as well. When it is matched with air-leg it can perform both dry and wet drilling under various kinds of rocks and it is even more flexible in drilling operation when matched with the small-size compressor of capacity of 1.5m³, the function will be better than others.

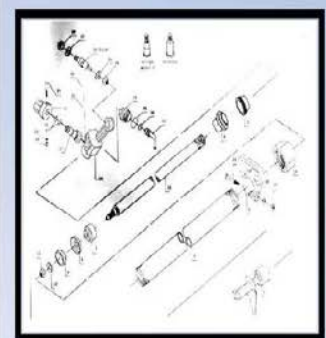
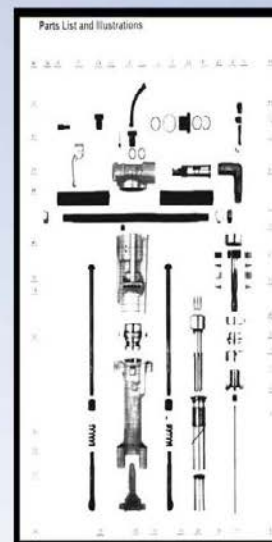
The flanged control valve is adopted, so it has many advantages such as reasonable in structure, quick in starting, light in weight, fast drilling speed, lower air consumption, smaller vibration, easier operation, lower trouble rate, long-life parts, good economic effect, etc. It is also equipped with a rubber damping handle, so is easy to operate and provide the operation with necessary working protection.

SEC - 19A

SPECIFICATION

Weight	19kg
Length	600 x 534 x 157 mm
Cylinder dia	54 mm
Piston Stroke	0.4 - 0.5 Mpa
Air Pressure	19 mm
Air pipe inner dia	13 mm
Water pipe inner dia	22 x 108 mm
Shank dimension	

When working pressure is	0.4 Mpa	0.5 Mpa
Impact energy	≥ 28J	≥ 40 J
Impact frequency	≥ 28Hz	≥ 35 Hz
Idling speed	≥ 180r/min	≥ 200 r/min
Air consumption	≤ 37 L/s	≤ 43 L/s



SEC-19A ILLUSTRATION

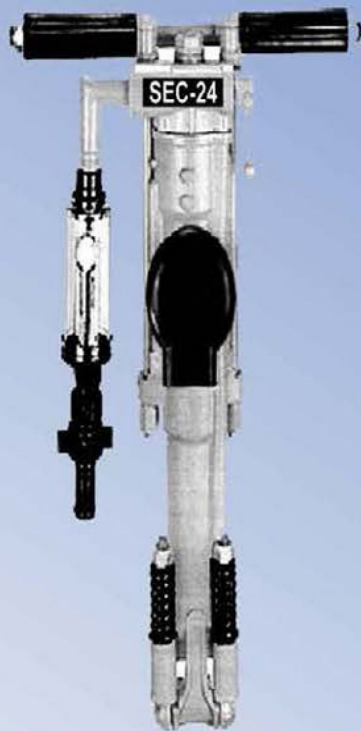


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SEC - 24

Hand - Held Jack Hammer / Rock Drill
(Made In Korea)



CUSTOMIZED DESIGN

INTRODUCTION

SEC Rock Drill is widely used for dry drilling in the medium-hard and hard rock ($f = 8 - 18$). It's suitable for drilling works in surface mine, quarry for boulder blasting seismic pop-shot and other dry drilling working.

The oil reservoir is matched with this rock drill to ensure the fine lubrication.

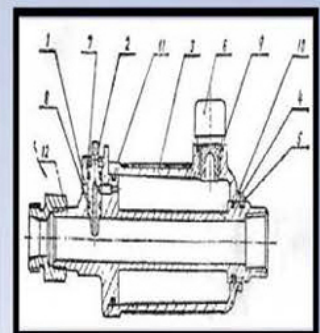
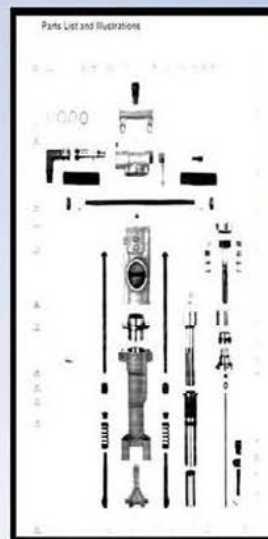
SEC - 24

SPECIFICATION

Weight	24 kg
Length	604 mm
Cylinder dia	70 mm
Piston Stroke	70 mm
Work Pressure	0.4 - 0.63 Mpa
Impact Frequency	≥ 27 Hz
Air Consumption	≤ 55 L/s
Air pipe inner dia	19 mm
Shank head dia	34 ~ 42 mm
Shank dimensions (hex length) at 0.4 Mpa	22 x 108 1 mm

Oil Reservoir:

Capacity 200 ml



FY 2008

SEC-24 ILLUSTRATION



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REQUESTING A QUOTE – HOW TO?

This brochure of **SEISMIC DRILLING GEARS** is specially evaluated by our firm to provide you with an **OVERVIEW** about Seismic Drilling Gears dealt by our firm. We have tried to cover mainly those Drilling Gears and Consumables which deemed the major demands and/or mostly required items by the Seismic Contractors. So, it should be not assumed that we supply only the products/items which are indicated in this brochure.

Our firm is engaged in the business of Seismic Supplies since the year 1994 and maintains international and global contacts/relations with the renowned manufacturers and suppliers; hence we are fully capable in meeting your requirements and demands for almost all kinds of Seismic Gears through our global business association and resources.

In enabling us to submit a quote for any item /product from this brochure, we request you to follow the following instructions:

1. **PROVIDE ITEM/SR. #**
2. **PROVIDE PAGE #**
3. **PROVIDE PRODUCT DETAILS WITH REQUIRED SPECIFICATIONS**
4. **PROVIDE REQUIRED QUANTITIES**
5. **PROVIDE INFORMATION ABOUT OUR OFFER IF REQUIRED ON FOB/C&F BASIS (IN US\$) OR ON F.O.R. BASIS IN LOCAL CURRENCY**
6. **INDICATE DELIVERY PERIOD REQUIRED**

We strongly hope and assume that our above offered **SEISMIC DRILLING GEARS** shall meet to your expectations.

Should you have any further clarification(s) etc., so please do not hesitate to contact us accordingly.

Looking forward to your order placement and remain,

With kind regards,

Truly yours,

SECURA GROUPS



Ali TIRMIZI (CEO)

Mobile: 0333-3185263