Contents

• A list of specialized dollies used for ground support.
• Additional equipment and tools used by airleg miners in small headings
• Airleg mining consumables

Airleg Mining Accessories

Downunder Mining Pty Ltd

Equipment, Tools and Accessories Catalogue

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<table>
<thead>
<tr>
<th>Table of Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airleg Mining Accessories</td>
<td>3</td>
</tr>
<tr>
<td>Gewi Bolt Nut Spinner</td>
<td>4</td>
</tr>
<tr>
<td>Gewi Thread Bar Spinner</td>
<td>4</td>
</tr>
<tr>
<td>Split Set Dolly</td>
<td>4</td>
</tr>
<tr>
<td>Split Set Extension Dolly</td>
<td>4</td>
</tr>
<tr>
<td>Modular Gewi Bolt Nut Spinner - Hex Drive</td>
<td>5</td>
</tr>
<tr>
<td>Modular Gewi Bolt Nut Spinner - Square Drive</td>
<td>5</td>
</tr>
<tr>
<td>Air and Water Hose</td>
<td>5</td>
</tr>
<tr>
<td>S Type Couplings</td>
<td>5</td>
</tr>
<tr>
<td>Preform Clamps</td>
<td>6</td>
</tr>
<tr>
<td>Pinch Lok Clamping Tool</td>
<td>6</td>
</tr>
<tr>
<td>Water Flow Regulator</td>
<td>6</td>
</tr>
<tr>
<td>A Type Couplings</td>
<td>6</td>
</tr>
<tr>
<td>Anfo Loader</td>
<td>7</td>
</tr>
<tr>
<td>Pneumatic Fan 500mm</td>
<td>7</td>
</tr>
<tr>
<td>Pneumatic Fan 600mm</td>
<td>7</td>
</tr>
<tr>
<td>Venturi Air Movers</td>
<td>7</td>
</tr>
<tr>
<td>Wire Rope Cutter</td>
<td>8</td>
</tr>
<tr>
<td>Drill Rod Extractor</td>
<td>8</td>
</tr>
<tr>
<td>Bit Knocker</td>
<td>8</td>
</tr>
<tr>
<td>Drill Steels</td>
<td>8</td>
</tr>
<tr>
<td>Tapered Cross Bits</td>
<td>9</td>
</tr>
<tr>
<td>Tapered Button Bits</td>
<td>9</td>
</tr>
<tr>
<td>Threaded Bits R25</td>
<td>9</td>
</tr>
<tr>
<td>Tapered Reaming Bits</td>
<td>9</td>
</tr>
<tr>
<td>All In One Cap Lamp</td>
<td>10</td>
</tr>
<tr>
<td>Hand Held Rock Drill and Consumables</td>
<td>10</td>
</tr>
<tr>
<td>Bioair Rock Drill Oil</td>
<td>10</td>
</tr>
<tr>
<td>Turtle Lubricator 1.5t</td>
<td>10</td>
</tr>
<tr>
<td>Screw Fittings</td>
<td>10</td>
</tr>
</tbody>
</table>
Airleg Mining Accessories

Airleg Mining
Airleg (Jackleg) miners need a highly specialized set of tools and equipment for some tasks when narrow vein mining. These tools are not commonly available and are very specific to the miner’s needs.

Why use custom made tools and equipment?
Downunder Mining has been manufacturing, selling and servicing rock drills and airlegs for many years. During this period many miners have requested specialized equipment that is difficult to source or has to be specially manufactured for a particular application.

These tools and equipment are available to all our customers. The advantages of having the proper tools and equipment are:

• Quicker installation of ground support
• Safer and easier for the miner
• Less chance of damage to the equipment during operations
• Reduced costs
• Satisfied operators
• Increased productivity
• Improved safety
Split Set Extension Dolly
These are used to drive in 33 or 33mm split sets. They are attached to the end of a 12° tapered drill steel. They are made from hardened and heat treated tool steel.

Split Set Extension Dolly 33mm - 9 307 SD 22H 33
Split Set Extension Dolly 39mm - 9 307 SD 22H 39

Split Set Dolly
These are used to drive in 33 or 39mm splits with a rockdrill that uses a standard 22 x 108mm chuck. They are drilled through to stop water tube damage and are made from hardened and heat treated tool steel.

Split Set Dolly 33mm - 9 307 33MM
Split Set Dolly 39mm—9 307 39MM

Gewi Thread Bar Spinner
These are used to spin and/or push thread bar into chemical resin or grout with a rockdrill or stoper that uses a standard 22 x 108mm chuck. They are available in two sizes. They are machined from high strength tool steel and heat treated to ensure a long working life.

Gewi Thread Bar Spinner T19 - 9 307 19 TB
Gewi Thread Bar Spinner T20 - 9307 20 TB

Gewi Bolt Nut Spinner
These are used to tension 36mm gewi bolt nuts with a rockdrill or stoper that uses a standard 22 x 108mm chuck. They are available in two lengths. They are machined from high strength tool steel and heat treated to ensure a long working life.

Gewi Bolt Nut Spinner 330mm - 9 307 36AF 22H–330
Gewi Bolt Nut Spinner 430mm - 9 307 36AF 22H - 430

Gewi Thread Bar Spinner
These are used to spin and/or push thread bar into chemical resin or grout with a rockdrill or stoper that uses a standard 22 x 108mm chuck. They are available in two sizes. They are machined from high strength tool steel and heat treated to ensure a long working life.

Gewi Thread Bar Spinner T19 - 9 307 19 TB
Gewi Thread Bar Spinner T20 - 9307 20 TB
**S Type Couplings**
These claw type couplings are commonly used in mining for connecting equipment, hoses and accessories. We stock male, female and hose tail version in ½, ¾, and 1” sizes. They are available in boxes of 50 or as individual pieces. We can supply 2” S couplings upon request.

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**Air and Water Hose**
Downunder Mining recommends the use of high quality, abrasion resistant rubber hoses for air and water delivery. We stock ½” and 1” sizes in 20m coils in high visibility yellow.

- ½” Rubber Hose - W HOSE
- 1” Rubber Hose - 64-000-850-DM

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**Modular Gewi Bolt Nut Spinner - Hex Drive**
Similar to the regular gewi bolt nut spinners but manufactured with light weight aircraft grade aluminium tube. They are available in three lengths, 500, 1200 and 2300mm.

- Modular Gewi Bolt Nut Spinner 500mm - 9307 22H-36AF-500
- Modular Gewi Bolt Nut Spinner 1200mm - 9307 22H-36AF-1200
- Modular Gewi Bolt Nut Spinner 2300mm - 9307 22H-36AF-2300

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**Modular Gewi Bolt Nut Spinner - Square Drive**
Similar to the modular gewi bolt nut spinners but with a ¾” or 19mm drive end. They are available in three lengths, 500, 1200 and 2300mm. They are designed for use with a pneumatic impact wrench.

- Modular Gewi Bolt Nut Spinner 500mm - 9307 19SQ-36AF-500
- Modular Gewi Bolt Nut Spinner 1200mm - 9307 19SQ-36AF-1200
- Modular Gewi Bolt Nut Spinner 2300mm - 9307 19SQ-36AF-2300
Punch Lok Clamping Tool
This tool is designed to be used with punch lock clamps. It is made from high quality materials that have been forged to ensure a long and reliable working life.

Punch Lok Clamping Tool - F100

Preform Clamps
Stainless steel preform clamps are used fix hoses to rockdrills, accessories and couplings. We stock the ½” and 1” sizes but other sizes are available.

Preform Clamp ½” - 050 00 012
Preform Clamp 1” - WCLAMP

Water Flow Regulator
High pressure water entering a rockdrill or stoper will cause premature failure due to oil washout. To reduce this problem we recommend water flow regulators, with either double threaded or single barb end, be installed.

Water Flow Regulator (Barbed End) - 64-000-900-DM
Water Flow Regulator (Threaded Ends) - 64-000-901-DM

A Type Couplings
These claw type couplings are commonly used in mining for connecting equipment, hoses and accessories. We stock male, female and hose tail version in ½, ¾, and 1” sizes. They are available in boxes of 50 or as individual pieces. They are not interchangeable with S type couplings.
Anfo Loader
A small, light weight anfo loader commonly used by airleg miners that can carry 10kg of anfo. Spare parts and additional accessories including the aluminium anfo tube, PVC FRAS anfo loading hose and FRAS rubber hose are available
Anfo Loader - 40-000-001

Pneumatic Fan 500mm
These are small pneumatic fan for the ventilation of small drives and headings. They are robustly made from galvanized steel. They are designed to deliver 1,500 - 5,500cfm at pressures typically found in mines.
Pneumatic Fan 500mm - FAN-PNU-500

Pneumatic Fan 600mm
A larger fan used for the ventilation of small drives and headings. The fan is made from fiberglass that makes the unit easier to handle. The fan is designed to deliver 4,500 - 12,000cfm at pressures typically found in mines.
Pneumatic Fan 600mm - FAN-PNU-600

Venturi Air Movers
Used for the ventilation for small drifts and headings. The horn is made from corrosion resistant stainless steel. The pictured TX-3AM is the most common model but other sizes are available upon request
Air Mover TX-3AM - AIR-TX3AM
Wire Rope Cutter
Famous throughout the world the hammer cutter is the favorite for simple, easy operation, portability and low cost. Precision manufactured with close tolerances and superior tool steel for a longer blade life.

Wire Rope Cutter 19mm - S-RCUT

Drill Rod Extractor
This tool is designed to assist a miner when trying to remove a stuck drill rod. It is designed for use with a 22mm or ⅞” hexagonal drill steel. It is robustly made from hardened and tempered tool steel.

Drill Rod Extractor - 9 307 22 RE

Bit Knocker
The knocker are used to remove tapered bits and reamers from drill steels. They are designed for use for bits and steels from most drilling consumables companies. They come in two sizes for 22mm or ⅞” drill steels.

Bit Knocker 22m - LGK-22
Reamer Bit Knocker 22mm - LGKR-22

Drill Steels
Downunder Mining sell a wide range of drill steels that all come with a 22 x 108mm shank. This shank is suitable for the Boar Series of rockd drills. Depending on your application you may need steels with a tapered, threaded, integral or reamer end. Steels are available in various lengths from 0.3 to 7m.
**Tapered Reaming Bits**

These bits are used to enlarge smaller holes. They are used with a 6° pilot or reamer steels. They come in four common sizes 64, 76, 89 and 102mm.

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**Tapered Cross Bits**

Reverse flushing, tapered cross bits are used in soft/broken ground conditions. These are designed to penetrate rock at a lower rate than button bits. This gives the flushing water ample time to clear the hole resulting in less stuck steels.

32mm Cross Bit - SQF32K-1222  
38mm Cross Bit - SQF38K-1222

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**Tapered Button Bits**

These are the most common bits used by airleg miners. They have a 12° taper to suit a tapered steel and various button shapes and configurations to suit various ground conditions. They are available in various hole diameters ranging from 28 to 45mm with long and short skirt designs.

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**Threaded Bits R25**

These are used by operators for drilling larger sized holes, usually greater than 45mm or for drilling down holes where tapered bits are not appropriate. They utilized a R25 rope thread and are used with R25 starter or extension steels. They range in size from 35 to 57mm.

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**Tapered Reaming Bits**

These bits are used to enlarge smaller holes. They are used with a 6° pilot or reamer steels. They come in four common sizes 64, 76, 89 and 102mm.
Hand Held Rock Drill and Consumables
These small hand held rock drills are used in small and confined spaces where it is not practical to use an airleg. They weigh 4kg and can drill holes up to 13 to 41mm up to a depth of 430mm. They are used in conjunction with specific drill steels. The tool can be used as a small jack pick if required.

Bioair Rock Drill Oil
Downunder Mining has developed its own brand of rock drilling oil that meets today's more stringent OHS and environmental requirement. Our rock drill oil is biodegradable but has excellent lubricating properties.

Bioair Rock Drill Oil 5ℓ - RDO220 NOMD 5
Bioair Rock Drill Oil 20ℓ - RDO220 NOMD 20

Turtle Lubricator 1.5ℓ
This lubricator (or oiler) is commonly used to supply oil to pneumatic equipment such as rockdrills, stopers, airlegs and jack hammers. They come with 1” BSP or NPT.

Turtle Lubricator 1.5ℓ BSP - 64-977-1.5-DM
Turtle Lubricator 1.5ℓ NPT - 90-000-01

Screw Fittings
These type are of fittings are an alternative to the claw type couplings found on mine sites. They last longer and are less prone to leakage as the tapered design means sealing will improve as the couplings wear. This reduces the leakage of expensive compressed air and eliminates the need for bellow seal. They are available in ½” and 1” sizes to suit.