

ALTRA3D

TECHNOLOGIES



THE MOST RESILIENT SOLUTIONS
FOR **THE MINING INDUSTRY**

ACHIEVE THE HIGHEST PERFORMANCE WITH FLEXIBILITY

The unique properties of ALTRA 3D makes them the best performing solution for transporting minerals, water, slurry, chemicals and other fluids in mining environments.

Significant investments are made every year in the maintenance and replacement of damaged pipelines. In general, the lifetime of conventional (steel) pipes are relatively short due to abrasion and corrosion, and often cannot cope with the challenging environment in which they are installed. With a strong focus on reliability, resiliency and sustainability, the ALTRA 3D technologies can resist extreme loads and adhere to strict safety standards typically found in mining operations. The ALTRA 3D solutions are designed for difficult operating conditions and does not suffer from corrosion, resulting in an extremely reliable and safe solution.

Due to the flexibility of ALTRA 3D, our woven lay flat hose can easily cope with the drastic environmental and climatic challenges and changes typically found in mining applications. The ALTRA 3D solutions are engineered to resist abrasion from solids as well as corrosion from fluids that are transported in mining applications. This means that the ALTRA 3D solutions last much longer than alternatives. In fact, when operating within the specs of the hose, no extra maintenance work is needed during the hose's lifetime, preventing down time and saving considerable time and investment.

The ALTRA 3D solutions can be installed quickly and easily. Add the short delivery time and smart investment, and you'll understand why an increasing number of mining operators choose the complete ALTRA 3D line as their go-to fluid transfer solution.

THE SAFEST AND MOST RELIABLE FLUID TRANSFER SOLUTION, ALTRA 3D WILL NEVER FAIL YOU

Higher pressure

ALTRA 3D (any diameter) offers a burst pressure 200 psi higher than any other flexible hose.

Deep dewatering

ALTRA 3D can go up to 1,000 feet* deep of continuous length in the ground.

Increased resiliency

Our flexible hose is so resistant that pumping is still possible, with minimal pressure loss, even if perforation occurs.

Highly safe hose

ALTRA 3D will not split in two upon bursting.

Corrosion and maintenance free

Short lead-times and quick to install

Flexible and light weight

Protect your people outside the drilled well

Accidental cuts and punctures won't affect the hose's integrity, thus increasing the safety of using the product outside the drilled well.

Built to the highest standards

With over 122 years in the fire fighting industry, we have always used the highest standards for design: NFPA:1961, and API SPEC -15LF: the Layflat Hose Assemblies for the Transport of Water in the Oilfield Applications

Cable attachment system

The cable attachment system is part of a protective sheath that can be replaced upon wearing. The cable attachment system resists a pull strength 15x higher than the competition.

Reusable



**Length depends on the safety factor used.
A depth of 1,000 is reached here with a safety factor of 2.5*

TECH SPECS

- Flexible hose
- Hose of 4–8in/100–200mm
- 3D technology for a single-layer 2-in-1 hose
- High operational/burst pressure
- High abrasion resistance
- Low expansion (linear and radial)
- Relative light weight
- Also available in long length (>1,200 ft / 365 m)
- Potable water contact compliant
- -65°F to 150°F/-53°C to 65°C
- Remains flexible below freezing point
- Flow rate up to 5,000 gpm (19,000 L/min)
- Weight of the pump max 5,000 lb
- High operating up to 480 psi ** (33 bar)
- Theoretical tensile strength of the hose up to 300,000 lb (1,300 kN)

*** 4-inch hose with a safety factor of 2.5*

CERTIFICATIONS



Learn more at

logistec.com/transfer-solutions

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The logo for ALTRA3D, with 'ALTRA' in blue and '3D' in white, overlaid on a grayscale background image of a smiling man in a hard hat and safety vest sitting in a vehicle's driver seat.

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