



ALTRA 3D SNOW

THE MOST RESILIENT SOLUTION.

Since 1895, NIEDNER has been redefining the way fluids are transferred by creating lighter, more versatile hoses built to withstand the challenging winter conditions. Today, NIEDNER is a technological leader in research and development, manufacture, supply chain, and installation.

What makes ski hills around the globe trust NIEDNER's ALTRA Solutions is, first and foremost, the high quality and resiliency of the products. The hoses have been engineered to meet the most demanding applications. Snowmaking plays a key role in increasing the productivity and profitability of our clients' ski hill operations. NIEDNER's ALTRA 3D SNOW hoses have been engineered to meet the most demanding applications, including a standard high-visibility yellow and orange ENCAP™ treatment providing added safety and abrasion resistance.

DESIGNED FOR THE MOST EXTREME CANADIAN WINTER CONDITIONS

NIEDNER's ALTRA 3D SNOW withstands extreme winter conditions and the intense demands of snowmaking. It is the most flexible solution, and has a level of performance and resiliency unmatched by any other flexible hoses available in the world today. The ALTRA 3D SNOW 2-in-1 process delivers the performance of a double jacket hose while having the advantages of a single jacket product, with a service test pressure up to 650 PSI (4480 kPa). The 3D technology optimizes the mechanical properties and eliminates bunching between the jackets. Our integrated reinforced stripes increase kink resistance, improve handling, and minimize drag resistance. ALTRA 3D SNOW is one of the lightest and the most flexible double jacket hose available today in the snowmaking industry.

UNIQUE SERVICES

Our solutions have many advantages, including our unique services and engineering support which is second to none.



More flexible



Rolls up easily



Better kink resistance



Higher usage pressure



Lightweight



Easier fitting: only one layer to manage



Less ground friction



FEATURES

- One of the lightest and most flexible double-jacket hose available
- The 2 in 1 process facilitates the repair
- Reinforcing strip:
 - Better drag resistance
 - Better resistance to kinks
 - Better grip
- Easier to roll up

DESIGN

- 3D technology for a single-layer 2-in-1 hose
- Highly safe hose; will not split in two should the hose burst
- Wear indicator available

ADVANTAGES

- Meets NFPA 1961* with a 3:1 safety factor
- Potable water contact: Certified NSF 61
- For an equivalent weight, ALTRA 3D SNOW has a superior burst pressure.

* NFPA: National Fire Protection Association

TECHNICAL DATA

Nominal Diameter		Average Weight		Average Flat Width		Average Wall Thickness		Bowl size		Pressure					
Inches (mm)	Spec #	Hose only lb/ft	Couplings lb	All lengths		All lengths		Bowl size		Service test		Factory test pressure		Avg Burst Pressure	
				in	cm	in	cm	in	cm	PSI	KPA	PSI	KPA	PSI	KPA
1.5" (38.1 mm)	F1515	0.28	1.7	2.9	7.3	0.13	0.29	1.9	4.9	650	4480	1000	6895	2100	14475
2" (50.8 mm)	F1520	0.41	2.25	3.5	8.9	0.15	0.34	2.4	6.0	650	4480	800	5515	2000	13790

AVAILABLE COLORS: ● ●

OUR PRODUCT LINE CERTIFICATIONS

NIEDNER's solutions are certified by accredited independent institutes



ALTRA 3D SERVES THE FOLLOWING INDUSTRIES

- Mining
- Water Utilities
- Industrial
- Municipal
- Environmental
- Agricultural
- Snowmaker

CONTACT

sales@niedner.com
 Tel: 800-567-2703
 675 Merrill St., Coaticook, Quebec, J1A 2S2



NIEDNER-ALTRA.COM