

AIRSPADE®

PNEUMATIC SOIL EXCAVATION



AIRSPADE 3000
AIR EXCAVATION TOOL

AIRSPADE 3000

AirSpade® 3000 is the most powerful, compressed air-powered, excavation tool available on the market today. Delivering 330 scfm at 90 psig, the AirSpade 3000 provides unprecedented performance in heavy-duty arboriculture, utility, and construction applications.

1" Air King
4-Lug Coupler

Rugged, lightweight, non-conductive, fiber-
glass barrel.

Adjustable dirt shield protects operator from
flying debris.

Steel trigger guard prevents
accidental activation.

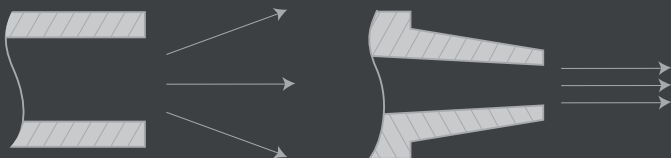
Extra-hardened, stainless steel
supersonic nozzle.

Comfortable dead-man trigger.

Versatile in-line style
handle with soft rubber grip.

PATENTED SUPERSONIC NOZZLE

AirSpade's patented supersonic nozzle turns compressed air into a high-speed, laser-like jet moving at twice the speed of sound – Mach 2. All of the energy and momentum of air moving at approximately 1,200 mph is focused into the soil – dislodging it in a fraction of a second.



Air exiting from an improperly designed nozzle diffuses outward rapidly to 3 to 4 times the area versus the focused air-jet from the patented AirSpade supersonic nozzle. With AirSpade, the result is faster, safer, more efficient soil excavation.

EXCAVATION USING THE POWER OF COMPRESSED AIR

Soil is an unconsolidated assemblage of solid particles including clay, sand, and rock and sometimes organic matter. Voids between the particles are occupied by air and/or water. When compressed air is directed into soil at close range, air enters the voids where it expands, thereby fracturing the soil. Stronger, non-porous materials such as metal or plastic pipes, cables, or even tree roots are unaffected.

Part #	Description
LT3000	AIRSPADE 3000 330 SCFM WITH 55" BARREL
LT24	330 SCFM NOZZLE
LT25	AIRSPADE 3000 55" BARREL WITH DIRT SHIELD

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