

# BOELUBE®



***A BOEING DEVELOPED LUBRICANT***



## BOELUBE LIQUID

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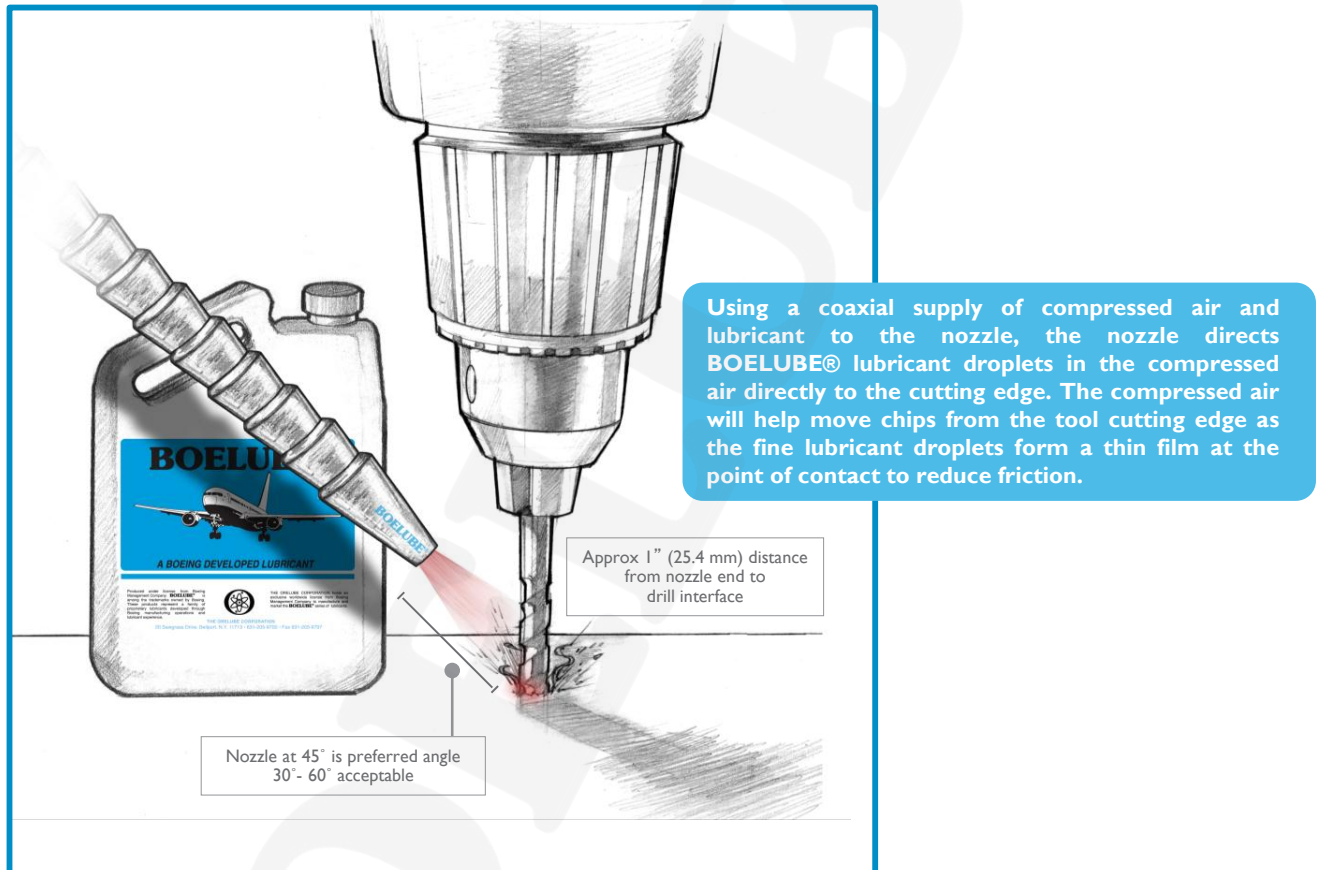
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20 Sawgrass Drive, Bellport, NY 11713 . [www.boelube.com](http://www.boelube.com) . 800.645.9124 . 631.205.9700

UK and Europe Supplier: Wm. Lees & Sons Ltd. Telephone (UK): 01698 426662  
Email: [sales@skinpins.com](mailto:sales@skinpins.com) • Website: [www.skinpins.com](http://www.skinpins.com)

In the near dry machining process, **BOELUBE®** Liquid can be delivered as fine droplets or spray through one or more nozzles positioned accordingly around the cutting tool. Delivering the **BOELUBE®** Liquid as fine droplets to the cutting edge is necessary in order to reduce friction between the chip, tool, and workpiece, and prevent chips from adhering to the tool cutting edge.

The near dry machining processes using **BOELUBE®** requires continual reapplication of lubricant to the tool cutting edge and wear surfaces. This can be accomplished externally on shallow drilling, reaming and tapping operations, on milling cutters, and on band and circular saws.



In near dry machining the goal is high efficiency, which is achieved as a result of using a minimal quantity of lubricant. Typical **BOELUBE®** Liquid usage is about 1 oz (30 ml) per hour of machining time, which is best determined by the particular machining process and workpiece composition. Because minimal quantities are used and consumed for the most part in the machining process, **BOELUBE®** Liquid produces near dry workpieces and chips with little or no clean-up or related costs and no disposal costs.

Historically, the metalworking industry has used metalworking fluids by flood application in machining operations. But because the costs associated with use, management, and disposal of flood coolants has risen over the years, in part due to increasing federal, state, and local regulations aimed at worker safety and fluid disposal, there has been a growing trend to utilize methods requiring less metalworking fluid to reduce cost, protect the environment, and improve and protect worker health, without sacrificing productivity and quality.