



WHITE PAPER

LENOX Bi-Metal *SPEED-SLOT*[™] Hole Saw Up to 2X Life in Metal

EXECUTIVE SUMMARY

The LENOX Bi-Metal *SPEED SLOT* hole saw significantly outperforms Milwaukee, and DeWALT in an independently certified metal-cutting laboratory test.



Introduction

LENOX is pleased to announce the launch of a revolutionary line of bi-metal hole saws. The LENOX *SPEED SLOT* hole saw far exceeds the performance of all competitors in wood cutting, ease of plug removal, and metal cutting applications.

The new hole saw features the innovative *SPEED SLOT*, which combined with a taller height, allows for quick and easy removal of even the hardest to remove plugs. The *SPEED SLOT* starts low on the side of the saw to make it easy to get under a 2" lumber plug with the most common flat head or Phillips head screwdrivers. The *SPEED SLOT* dimensions are larger than competitors' slots allowing wood chips to escape while cutting, making for faster cutting and easier plug removal.

An all new tooth geometry produces dramatic improvement in life and durability. Testing shows that the LENOX *SPEED SLOT* hole saw outperforms all competitors in stainless steel and mild steel.

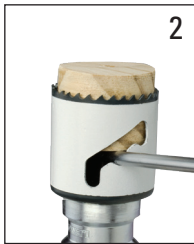
Test Methodology

To objectively evaluate the performance of the new LENOX *SPEED SLOT* hole saw versus competitors' saws, LENOX utilizes automated testing equipment. Use of automated testing machines eliminates any variation during the cutting test compared to results obtained from hand testing. Automated testing provides a clear and consistent picture of hole saw performance. To further enhance the credibility of the results, tests also cut "real world" materials that are typically encountered on job sites by professional tradesmen.

To be meaningful, tests must not only simulate as much of the real world cutting process as possible (i.e. material, down force, revolutions per minute, etc.) but they also need to be independently certified. The test results reported in this paper were conducted on automated testing machines at LENOX and certified by Specialized Technology Resources Inc. (STR), of Enfield, Connecticut. STR is an independent certification facility that uses state of the art equipment to ensure credible, repeatable, unbiased inspections and certifications.

Testing Results

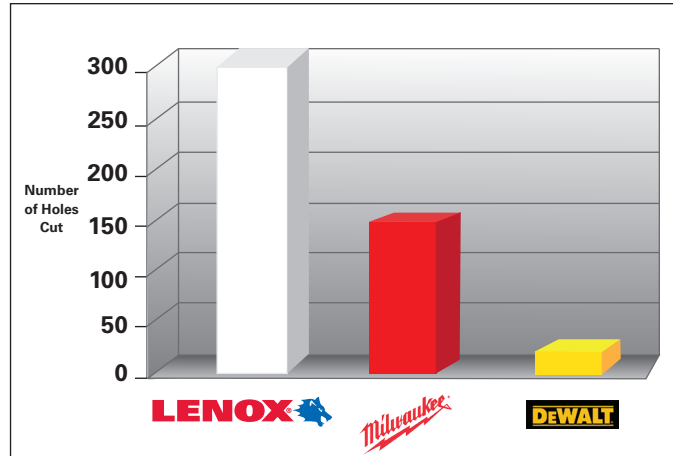
Machine test results conducted using 2" hole saws in February 2011 compared the LENOX *SPEED SLOT* hole saw (3003232L) to the Milwaukee Ice saw (49-56-0117), and the DeWALT saw (D180032). The hole saws were set up on an automated testing machine cutting .062" 1008 steel with a 60 lb feed at 200 revolutions per minute (RPM), and .103" 304 stainless steel



with a 150 lb feed at 200 RPM. The results overwhelmingly demonstrate the performance advantage provided by the new LENOX *SPEED SLOT* hole saw.

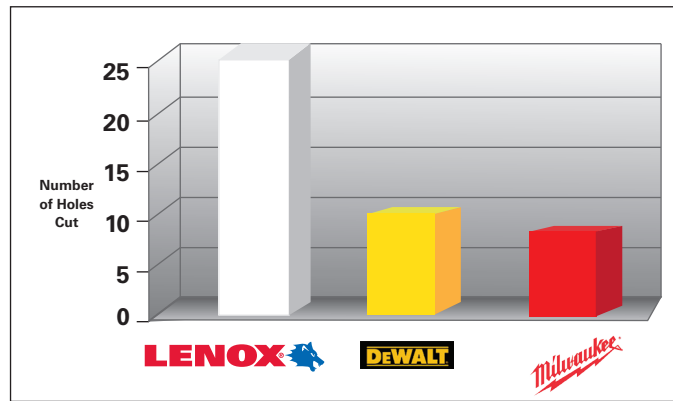
Hole Saw Cutting Metal - Best in Class Life

1008 Steel - .062" Thick



Cutting Stainless Steel - Best in Class Life

304 Stainless Steel - .103" Thick



Milwaukee and DeWALT are the registered trademark of their respective owners.

Summary

The LENOX *SPEED SLOT* hole saw dramatically outperforms comparable hole saws from Milwaukee and DeWALT while cutting metal in independently certified laboratory tests. The LENOX *SPEED SLOT* hole saw uses a new tooth form and advanced materials to deliver exceptional durability and long life.