



# A BRAND® AT-2

Advanced Performance Thread Mill for High-Hardness Steels

**One Tool - Two Processes!**

## PRIMARY TARGETS

- Customers threading high hardened materials
- Customers looking for thread processing efficiency

## SOLUTIONS

- Combining Drilling & Threading Simultaneously, Great Cycle Savings Can be Achieved
- By Eliminating Drilling and Tapping Operations, Tool Breakage in Hole can be Eliminated, Thus Eliminating Tool Removal Processes

Scan or  
Click to  
Research  
it Online!



## WHAT OUR CUSTOMERS SEE

- ***I Cannot Believe My Eyes!***

## HOW DOES IT WORK?

### End Cutting Geometry w/ Roughing Teeth

- Helical Drilling while Rough Cutting the Thread Form Suppresses Bending of the Tool with Load

### Left Hand Cutting

- Tool specification enables climb cutting which prolongs tool life

### DUROREY Coating

- New SUPER Coating Technology Provides Superior Heat Resistance and High Toughness, Optimized for High Hardened Materials

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in Action!



# A Brand® AT-2

Advanced Performance End-Cutting Thread Mill for High-Hardness Steels

## A Brand® AT-2

The OSG A Brand AT-2 Thread mills with end-cutting edge for high hardness steels is ideal for highly difficult high hardness steel applications. The risk of sudden tool breakage can be minimized by breaking chips into small and manageable pieces and evacuating them smoothly. Since no pilot hole is required, process integration and the risk of breakage can be avoided.



### Features & Benefits

- **OSG's DUOREY coating** enables superior heat resistance and high toughness optimized for high-hardness steel milling!
- **Special cutting edge shape** controls tool deflection.
- **Left-hand cut configuration** enables climb milling to prolong tool life.
- **Added roughing teeth** to distribute the load.
- **No pilot hole is required** Helical drilling + threading can be done simultaneously.

### List Numbers

16645 - A Brand® AT-2 (Inch)  
16640 - A Brand® AT-2 (Metric)

### Size Range

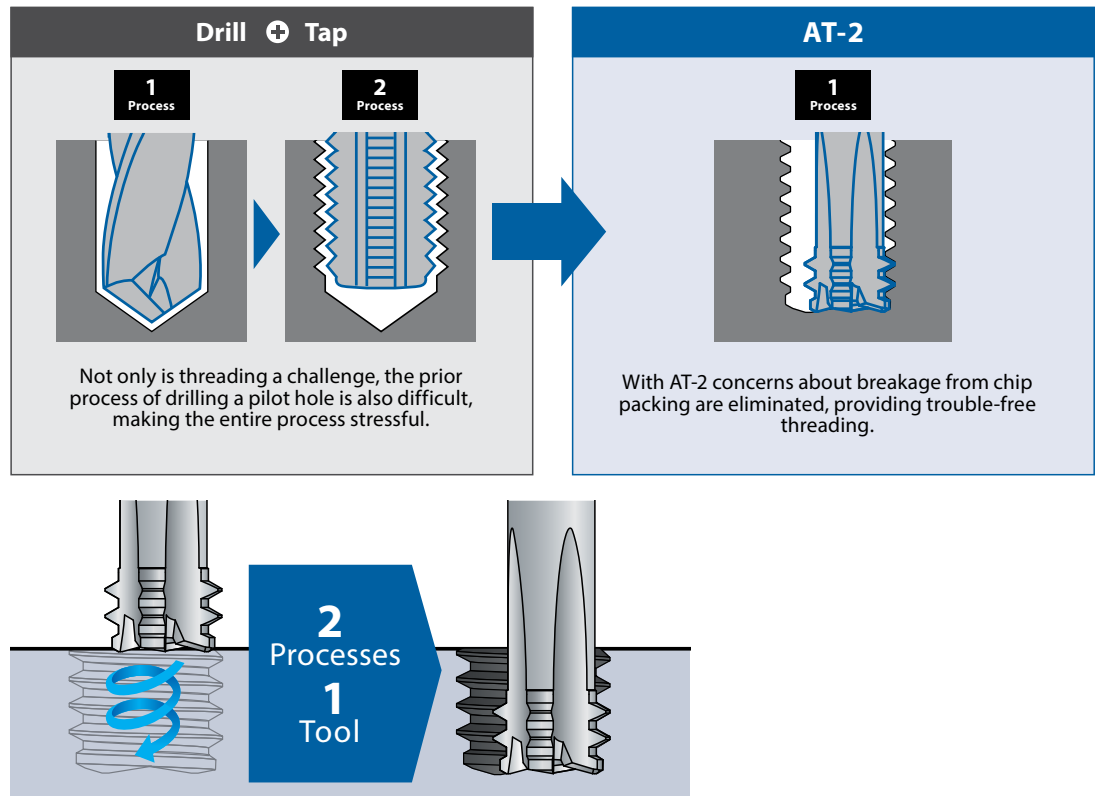
#8-1/2"  
M3-M12

## 2 Processes with 1 Tool

### Helical Drilling & Threading Done Simultaneously!

Helical drilling and threading are performed simultaneously, which reduces the risk of potential machining problems in the processing of high hardness steels.

The risk of sudden tool breakage is minimized as the chips are broken into small, manageable pieces and evacuated smoothly. Since no pilot hole is required, AT-2 integrates two processes while avoiding part scrap.



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