



# A BRAND AE-H

AE-MS-H, AE-CR-MS-H & AE-MSS-H

Advanced Performance Carbide End Mills with DUROREY Coating

**Stable and High-Efficiency Milling of High-Hardness Steels**

## PRIMARY TARGETS

- Side milling hardened steel (up to 70 HRC)
- Stable tool life in super hard steels
- Rough and finish milling of hardened steels

## SOLUTIONS

- Improved tool life, especially in material 60+HRC
- Chatter-free machining and great surface quality

## WHAT OUR CUSTOMERS SEE

- Nearly double the tool life over the conventional hardened steel end mill product
- Better tool life than the competition hardened steel end mill products

## HOW DOES IT WORK?

### Tough cutting geometry

- Appropriate for cutting hardened steel

### Variable geometry

- Reduce likelihood of chipping due to excess vibration

### Durorey coating

- Ideal for heat and chipping resistance



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OSG USA, Inc. : 800-837-2223

OSG Canada, Ltd. : 905-632-8032 • OSG Royco (Mexico) : +52 (722) 279-36-08 to 11

# A Brand AE-MS-H, AE-CR-MS-H & AE-MSS-H

Advanced Performance Carbide End Mills with DUROREY Coating



## A Brand AE-MS-H & AE-MSS-H

Multi-flute square type and radius type carbide end mills designed for stable and high-efficiency milling of high-hardness steels. With the addition of the new DUROREY coating uniquely engineered for high-hardness steels, high chipping resistance is made possible even in work materials exceeding 60 HRC, allowing long tool life and high speed milling.



### Features & Benefits

- **Variable Indexing** suppresses chattering.
- **Cutting Edge Geometry** for stable machining of high-hardness steels.
- **DUROREY Coating** provides outstanding performance in high-hardness steels.

### List Numbers

- 8540 - A Brand AE-MS-H (Metric)
- 8440 - A Brand AE-MS-H (Inch)
- 8570 - A Brand AE-CR-MS-H (Metric)
- 8470 - A Brand AE-CR-MS-H (Inch)
- 8541 - A Brand AE-MSS-H (Metric)
- 8441 - A Brand AE-MSS-H (Inch)

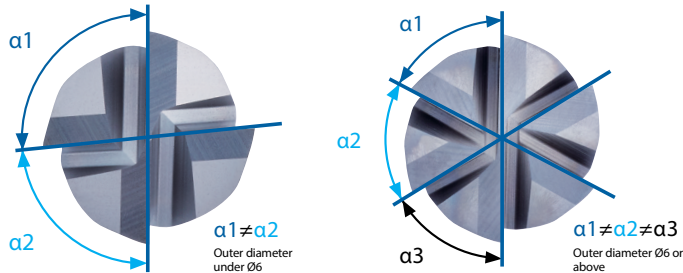
### Size Range

- 1mm-12mm
- 1/16"-1"
- 3mm-12mm
- 1/16"-1"
- 3mm-12mm
- 1/16"-1/2"

### Variable Indexing

#### Suppresses Chattering

For suppression of cutting vibration, enabling more consistent tool life and cutting quality.



### Cutting Edge Geometry

#### For Stable Machining of High-Hardness Steels

Improved durability in high-hardened steel up to 65HRC~70HRC.

Tool	AE-MS-H (Ø4)
Work Material	STAVAX (52 HRC)
Milling Method	Side Milling
Cutting Speed	328 SFM (7,950 rpm)
Feed	49.2 IPM (0.0015 IPT)
Depth of Cut	Aa = 0.2362", Ar = 0.0079"
Coolant	Air Blow
Machine	Vertical Machining Center

Wear condition of the cutting edge

AE-MS-H	Conventional
1,151 ft Milling Length	588 ft Milling Length

### DUROREY Coating

#### Outstanding Performance in High-Hardness Steels

Newest hard milling grade coating, for outstanding performance in high hardened materials.

For more information use your phone to scan the QR code to the right and visit: [osgtool.com/a-brand-ae-h](http://osgtool.com/a-brand-ae-h)



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