



# Carbide End Mills

## Submicron Solid Carbide Double-End Stub End Mills

**Right Hand Cutting • Right Hand Spiral • Center Cutting**

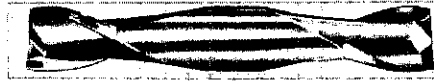
- Tolerances - Cutting Diameter:  
1/8" - 1/4" +.000-.002  
9/32" - 1/2" +.000-.003
- Shank Diameter - All Sizes:  
.0001 - .0005
- To Order - Specify Cutting Diameter and number of flutes.
- For Ball End Add "B"
- Special End Mills and Modifications Available on Request.
- All tools available with TiN coating on request.
- All ball end mills may be approximately 1/8" shorter in flute length and overall length.



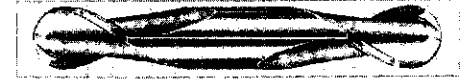
4 Flute  
Square End



4 Flute  
Ball End



2 Flute  
Square End



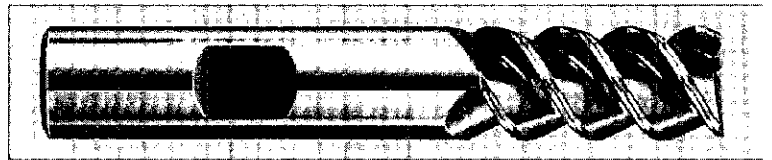
2 Flute  
Ball End

Cutting Dia.	Shank Dia.	Flute Length	Overall Length
1/16"	1/8"	3/32"	1 1/2"
3/32"	1/8"	3/16"	1 1/2"
1/8"	3/8"	3/8"	3-1/16"
5/32"	3/8"	7/16"	3-1/8"
3/16"	3/8"	1/2"	3-1/4"
7/32"	3/8"	9/16"	3-3/8"
1/4"	3/8"	5/8"	3-3/8"
9/32"	3/8"	11/16"	3-1/2"
5/16"	3/8"	3/4"	3-1/2"
11/32"	3/8"	3/4"	3-1/2"
3/8"	3/8"	3/4"	3-1/2"
7/16"	1/2"	7/8"	4"
1/2"	1/2"	1"	4"

## 60 Degree High-Helix Submicron Solid Carbide End Mills

**Right Hand Cutting • Right Hand Spiral • Center Cutting**

- Designed to cut titanium, inconel, steel alloy and stainless steels
- Increase tool life
- Faster feeds and speeds
- CNC precision ground
- Available with TiN coating
- Tolerances:  
Cutting Diameter - All Sizes +.000-.002  
Shank Diameter - All Sizes  
-.0001-.0005



Cutting Dia.	Shank Dia.	Flute Length	Overall Length	= Flute
1/8"	1/4"	1/2"	2 1/2"	3
3/16"	1/4"	5/8"	2 1/2"	3
1/4"	1/4"	3/4"	2-1/2"	3
5/16"	5/16"	13/16"	2-1/2"	3
3/8"	3/8"	7/8"	2-1/2"	3
7/16"	7/16"	1"	3"	3
1/2"	1/2"	1"	3"	3
9/16"	9/16"	1-1/4"	3-1/2"	3
5/8"	5/8"	1-1/4"	3-1/2"	3
3/4"	3/4"	1-1/2"	4"	3 & 4
1"	1"	1-1/2"	4"	3 & 4