

Solid Carbide End Mill Program

Square nose tools Series EMS / EIS with sharp corner or square nose tools Series EIB / EMB with corner radius, all with medium-high helix and strong cutting edges and tool body, work extremely well in materials up to 65HRc as well as in softer materials.



EIS - Square End

| Tool Ordering No. | Cutter Diameter tol. +0 / -0.0004 | Corner Radius | Shank Diameter (h6) | No. of Flutes | Neck Diameter | Cutting Length | Nose Taper | Overall Length |
|-------------------|-----------------------------------|---------------|---------------------|---------------|---------------|----------------|---------------|----------------|
| EIS-020 | 0.020 | - | 0.250 / (1/4) | 3 | 0.020 | 0.060 | 7.500° / side | 2.500 |
| EIS-031 | 0.031 / (1/32) | - | 0.250 / (1/4) | 3 | 0.031 | 0.100 | 7.500° / side | 2.500 |
| EIS-062 | 0.062 / (1/16) | - | 0.250 / (1/4) | 4 | 0.062 | 0.200 | 7.500° / side | 2.500 |
| EIS-093 | 0.093 / (3/32) | - | 0.250 / (1/4) | 4 | 0.093 | 0.300 | 7.500° / side | 2.500 |
| EIS-125 | 0.125 / (1/8) | - | 0.250 / (1/4) | 5 | 0.125 | 0.375 | 7.500° / side | 3.000 |
| EIS-187 | 0.187 / (3/16) | - | 0.250 / (1/4) | 6 | 0.187 | 0.600 | 7.500° / side | 3.000 |
| EIS-250 | 0.250 / (1/4) | - | 0.250 / (1/4) | 6 | 0.250 | 0.750 | - | 3.000 |
| EIS-312 | 0.312 / (5/16) | - | 0.312 / (5/16) | 6 | 0.312 | 1.000 | - | 3.500 |
| EIS-375 | 0.375 / (3/8) | - | 0.375 / (3/8) | 6 | 0.375 | 1.125 | - | 3.500 |
| EIS-437 | 0.437 / (7/16) | - | 0.437 / (7/16) | 6 | 0.437 | 1.315 | - | 4.000 |
| EIS-500 | 0.500 / (1/2) | - | 0.500 / (1/2) | 6 | 0.500 | 1.500 | - | 4.000 |



EIB - Square End Bull Nose w/Corner Radius

| Tool Ordering No. | Cutter Diameter tol. +0 / -0.0004 | Corner Radius | Shank Diameter (h6) | No. of Flutes | Neck Diameter | Cutting Length | Nose Taper | Overall Length |
|-------------------|-----------------------------------|---------------|---------------------|---------------|---------------|----------------|---------------|----------------|
| EIB-062-015 | 0.062 / (1/16) | 0.015 | 0.250 / (1/4) | 4 | 0.062 | 0.200 | 7.500° / side | 2.500 |
| EIB-093-015 | 0.093 / (3/32) | 0.015 | 0.250 / (1/4) | 4 | 0.093 | 0.300 | 7.500° / side | 2.500 |
| EIB-125-015 | 0.125 / (1/8) | 0.015 | 0.250 / (1/4) | 5 | 0.125 | 0.375 | 7.500° / side | 3.000 |
| EIB-125-030 | 0.125 / (1/8) | 0.030 | 0.250 / (1/4) | 5 | 0.125 | 0.375 | 7.500° / side | 3.000 |
| EIB-187-030 | 0.187 / (3/16) | 0.030 | 0.250 / (1/4) | 6 | 0.187 | 0.600 | 7.500° / side | 3.000 |
| EIB-250-015 | 0.250 / (1/4) | 0.015 | 0.250 / (1/4) | 6 | 0.250 | 0.750 | - | 3.000 |
| EIB-250-030 | 0.250 / (1/4) | 0.030 | 0.250 / (1/4) | 6 | 0.250 | 0.750 | - | 3.000 |
| EIB-312-030 | 0.312 / (5/16) | 0.030 | 0.312 / (5/16) | 6 | 0.312 | 1.000 | - | 3.500 |
| EIB-375-030 | 0.375 / (3/8) | 0.030 | 0.375 / (3/8) | 6 | 0.375 | 1.125 | - | 3.500 |
| EIB-437-030 | 0.437 / (7/16) | 0.030 | 0.437 / (7/16) | 6 | 0.437 | 1.315 | - | 4.000 |
| EIB-500-030 | 0.500 / (1/2) | 0.030 | 0.500 / (1/2) | 6 | 0.500 | 1.500 | - | 4.000 |
| EIB-500-060 | 0.500 / (1/2) | 0.060 | 0.500 / (1/2) | 6 | 0.500 | 1.500 | - | 4.000 |

All products on this page come in both TLN and HSN coatings.

Example: EIS-020-TLN



EMS - Square End

| Tool Ordering No. | Cutter Diameter tol. +0 / -0.01 | Corner Radius | Shank Diameter (h6) | No. of Flutes | Neck Diameter | Cutting Length | Nose Taper | Overall Length |
|-------------------|---------------------------------|---------------|---------------------|---------------|---------------|----------------|-------------|----------------|
| EMS-0.5 | 0,5 | – | 6 | 3 | 0,5 | 1,5 | 7.5° / side | 63 |
| EMS-1.0 | 1 | – | 6 | 4 | 1 | 3 | 7.5° / side | 63 |
| EMS-1.5 | 1,5 | – | 6 | 4 | 1,5 | 4,5 | 7.5° / side | 63 |
| EMS-2.0 | 2 | – | 6 | 4 | 2,0 | 6 | 7.5° / side | 63 |
| EMS-3.0 | 3 | – | 6 | 5 | 3,0 | 9 | 7.5° / side | 75 |
| EMS-4.0 | 4 | – | 6 | 6 | 4,0 | 12 | 7.5° / side | 75 |
| EMS-5.0 | 5 | – | 6 | 6 | 5 | 15 | – | 75 |
| EMS-6.0 | 6 | – | 6 | 6 | 6 | 18 | – | 75 |
| EMS-8.0 | 8 | – | 8 | 6 | 8 | 24 | – | 90 |
| EMS-10.0 | 10 | – | 10 | 6 | 10 | 30 | – | 100 |
| EMS-12.0 | 12 | – | 12 | 6 | 12 | 36 | – | 100 |
| EMS-16.0 | 16 | – | 16 | 6 | 16 | 48 | – | 100 |



EMB - Square End Bull Nose w/Corner Radius

| Tool Ordering No. | Cutter Diameter tol. +0 / -0.01 | Corner Radius | Shank Diameter (h6) | No. of Flutes | Neck Diameter | Cutting Length | Nose Taper | Overall Length |
|-------------------|---------------------------------|---------------|---------------------|---------------|---------------|----------------|-------------|----------------|
| EMB-1.0-0.2 | 1 | 0,2 | 6 | 4 | 1 | 3 | 7.5° / side | 63 |
| EMB-1.5-0.2 | 1,5 | 0,2 | 6 | 4 | 1,5 | 4,5 | 7.5° / side | 63 |
| EMB-2.0-0.2 | 2 | 0,2 | 6 | 4 | 2 | 6 | 7.5° / side | 63 |
| EMB-3.0-0.3 | 3 | 0,3 | 6 | 5 | 3 | 9 | 7.5° / side | 75 |
| EMB-4.0-0.5 | 4 | 0,5 | 6 | 6 | 4 | 12 | 7.5° / side | 75 |
| EMB-5.0-0.5 | 5 | 0,5 | 6 | 6 | 5 | 15 | 7.5° / side | 75 |
| EMB-6.0-0.5 | 6 | 0,5 | 6 | 6 | 6 | 18 | – | 75 |
| EMB-6.0-1.0 | 6 | 1,0 | 6 | 6 | 6 | 18 | – | 75 |
| EMB-8.0-0.5 | 8 | 0,5 | 8 | 6 | 8 | 24 | – | 90 |
| EMB-8.0-1.0 | 8 | 1,0 | 8 | 6 | 8 | 24 | – | 90 |
| EMB-10.0-1.0 | 10 | 1,0 | 10 | 6 | 10 | 30 | – | 100 |
| EMB-12.0-1.0 | 12 | 1,0B | 12 | 6 | 12 | 36 | – | 100 |



EMB - Bull Nose - End Mill w/.75° Taper Neck HSN Coated

| Tool Ordering No. | Cutter Diameter tol. +0 / -0.01 | Corner Radius | Shank Diameter (h6) | No. of Flutes | Neck Taper Angle per Side | Cutting Length | Neck Taper Length | Overall Length |
|----------------------|---------------------------------|---------------|---------------------|---------------|---------------------------|----------------|-------------------|----------------|
| EMB-2.4-0.5-HSN-12NL | 2.4 | 0.5 | 4 | 2 | 0,75° | 2,4 | 12 | 50 |
| EMB-2.4-0.5-HSN-16NL | 2.4 | 0.5 | 4 | 2 | 0,75° | 2,4 | 16 | 50 |
| EMB-2.4-0.5-HSN-20NL | 2.4 | 0.5 | 4 | 2 | 0,75° | 2,4 | 20 | 50 |
| EMB-2.4-0.5-HSN-25NL | 2.4 | 0.5 | 6 | 2 | 0,75° | 2,4 | 25 | 50 |
| EMB-3.0-0.5-HSN-12NL | 3 | 0.5 | 6 | 2 | 0,75° | 3 | 12 | 50 |
| EMB-3.0-0.5-HSN-16NL | 3 | 0.5 | 6 | 2 | 0,75° | 3 | 16 | 50 |
| EMB-3.0-0.5-HSN-20NL | 3 | 0.5 | 6 | 2 | 0,75° | 3 | 20 | 50 |
| EMB-3.0-0.5-HSN-25NL | 3 | 0.5 | 6 | 2 | 0,75° | 3 | 25 | 50 |
| EMB-4.0-0.5-HSN-12NL | 4 | 0.5 | 6 | 2 | 0,75° | 4 | 12 | 50 |
| EMB-4.0-0.5-HSN-16NL | 4 | 0.5 | 6 | 2 | 0,75° | 4 | 16 | 50 |
| EMB-4.0-0.5-HSN-20NL | 4 | 0.5 | 6 | 2 | 0,75° | 4 | 20 | 50 |
| EMB-4.0-0.5-HSN-25NL | 4 | 0.5 | 6 | 2 | 0,75° | 4 | 25 | 50 |

All products on this page come in both TLN and HSN coatings (except EMB - Bull Nose, HSN only). **Example: EMS-0.5-TLN**