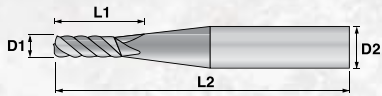


## Solid Carbide End Mill Program - Square Nose



### EMS - Square End

| Tool Ordering No. | Cutter Diameter (D1)<br>tol. +0/-0.01 | Corner Radius | Shank Diameter (D2) | No. of Flutes | Neck Diameter | Cutting Length (L1) | Nose Taper  | Overall Length (L2) |
|-------------------|---------------------------------------|---------------|---------------------|---------------|---------------|---------------------|-------------|---------------------|
| 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                 |



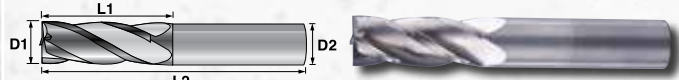
### EMS2 - 2 Flute Endmill, Square End

| Tool Ordering No. | Cutter Diameter (D1)<br>tol. +0/-0.015 | Corner Radius (R1) | Shank Diameter (D1) | Cutting Length (L1) | Total Length (L2) |
|-------------------|----------------------------------------|--------------------|---------------------|---------------------|-------------------|
| EMS2-01-          | 1*                                     | XX                 | 3,000               | 4                   | 38                |
| EMS2-02-          | 2*                                     | XX                 | 3,000               | 8                   | 38                |
| EMS2-03-          | 3                                      | XX                 | 3,000               | 12                  | 38                |
| EMS2-04-          | 4                                      | XX                 | 4,000               | 14                  | 50                |
| EMS2-06-          | 6                                      | XX                 | 6,000               | 19                  | 63                |
| EMS2-08-          | 8                                      | XX                 | 8,000               | 22                  | 63                |
| EMS2-10-          | 10                                     | XX                 | 10,000              | 25                  | 63                |
| EMS2-12-          | 12                                     | XX                 | 12,000              | 25                  | 76                |
| EMS2-16-          | 16                                     | XX                 | 16,000              | 38                  | 92                |
| EMS2-20-          | 20                                     | XX                 | 20,000              | 38                  | 101               |



### EMS2...LL - 2 Flute Long Series Endmill, Sq. End

| Tool Ordering No. | Cutter Diameter (D1)<br>tol. +0/-0.015 | Corner Radius (R1) | Shank Diameter (D2) | Cutting Length (L1) | Total Length (L2) |
|-------------------|----------------------------------------|--------------------|---------------------|---------------------|-------------------|
| EMS2-03-LL-       | 3                                      | XX                 | 3                   | 16                  | 50                |
| EMS2-04-LL-       | 4                                      | XX                 | 4                   | 20                  | 76                |
| EMS2-06-LL-       | 6                                      | XX                 | 6                   | 25                  | 76                |
| EMS2-08-LL-       | 8                                      | XX                 | 8                   | 25                  | 76                |
| EMS2-10-LL-       | 10                                     | XX                 | 10                  | 25                  | 101               |
| EMS2-12-LL-       | 12                                     | XX                 | 12                  | 25                  | 101               |
| EMS2-16-LL-       | 16                                     | XX                 | 16                  | 50                  | 152               |
| EMS2-20-LL-       | 20                                     | XX                 | 20                  | 50                  | 152               |



### EMS4 - 4 Flute Endmill, Square End

| Tool Ordering No. | Cutter Diameter (D1)<br>tol. +0/-0.015 | Corner Radius (R1) | Shank Diameter (D2) | Cutting Length (L1) | Total Length (L2) |
|-------------------|----------------------------------------|--------------------|---------------------|---------------------|-------------------|
| EMS4-03-          | 3                                      | XX                 | 3,000               | 12                  | 38                |
| EMS4-04-          | 4                                      | XX                 | 4,000               | 14                  | 50                |
| EMS4-06-          | 6                                      | XX                 | 6,000               | 19                  | 63                |
| EMS4-08-          | 8                                      | XX                 | 8,000               | 22                  | 63                |
| EMS4-10-          | 10                                     | XX                 | 10,000              | 25                  | 63                |
| EMS4-12-          | 12                                     | XX                 | 12,000              | 25                  | 76                |
| EMS4-16-          | 16                                     | XX                 | 16,000              | 38                  | 92                |
| EMS4-20-          | 20                                     | XX                 | 20,000              | 38                  | 101               |



### EMS4...LL - 4 Flute Long Series Endmill, Sq. End

| Tool Ordering No. | Cutter Diameter (D1)<br>tol. +0/-0.015 | Corner Radius (R1) | Shank Diameter (D2) | Cutting Length (L1) | Total Length (L2) |
|-------------------|----------------------------------------|--------------------|---------------------|---------------------|-------------------|
| EMS4-03-LL-       | 3                                      | XX                 | 3                   | 16                  | 50                |
| EMS4-04-LL-       | 4                                      | XX                 | 4                   | 20                  | 76                |
| EMS4-06-LL-       | 6                                      | XX                 | 6                   | 25                  | 76                |
| EMS4-08-LL-       | 8                                      | XX                 | 8                   | 25                  | 76                |
| EMS4-10-LL-       | 10                                     | XX                 | 10                  | 25                  | 101               |
| EMS4-12-LL-       | 12                                     | XX                 | 12                  | 25                  | 101               |
| EMS4-16-LL-       | 16                                     | XX                 | 16                  | 50                  | 152               |
| EMS4-20-LL-       | 20                                     | XX                 | 20                  | 50                  | 152               |