



# End Mills—Long Reach

## Two Flute Single End - Necked

Square End



| DIA. | FLUTE LENGTH | OVERALL LENGTH | LBS   | UNCOATED PART NUMBER | UNCOATED LIST PRICE | ALTIN PART NUMBER | ALTIN LIST PRICE |
|------|--------------|----------------|-------|----------------------|---------------------|-------------------|------------------|
| 3/16 | 3/8          | 3              | 1-5/8 | <b>592-1875</b>      | <b>75.93</b>        | <b>592-187511</b> | <b>83.97</b>     |
| 1/4  | 3/8          | 4              | 2-1/8 | <b>592-2500</b>      | <b>86.46</b>        | <b>592-250011</b> | <b>98.75</b>     |
| 5/16 | 7/16         | 4              | 2-1/8 | <b>592-3125</b>      | <b>97.75</b>        | <b>592-312511</b> | <b>110.03</b>    |
| 3/8  | 1/2          | 4              | 2-1/8 | <b>592-3750</b>      | <b>105.90</b>       | <b>592-375011</b> | <b>118.21</b>    |
| 1/2  | 5/8          | 6              | 3-3/8 | <b>592L5000</b>      | <b>147.81</b>       | <b>592L500011</b> | <b>171.81</b>    |
| 1/2  | 5/8          | 4              | 2-1/8 | <b>592-5000</b>      | <b>122.89</b>       | <b>592-500011</b> | <b>146.90</b>    |
| 5/8  | 3/4          | 6              | 3-3/8 | <b>592L6250</b>      | <b>244.96</b>       | <b>592L625011</b> | <b>272.12</b>    |
| 5/8  | 3/4          | 6              | 2-3/8 | <b>592-6250</b>      | <b>230.97</b>       | <b>592-625011</b> | <b>258.40</b>    |
| 3/4  | 1            | 6              | 2-1/2 | <b>592L7500</b>      | <b>321.22</b>       | <b>592L750011</b> | <b>354.78</b>    |
| 3/4  | 1            | 6              | 2-1/2 | <b>592--7500</b>     | <b>302.61</b>       | <b>592-750011</b> | <b>336.15</b>    |
| 1    | 1-1/4        | 6              | 3-3/8 | <b>592--1000</b>     | <b>535.16</b>       | <b>592-100011</b> | <b>580.62</b>    |
| 1    | 1-1/4        | 7              | 4-3/8 | <b>592L1000</b>      | <b>465.60</b>       | <b>592L100011</b> | <b>508.23</b>    |

## Two Flute Single End - Necked

Ball Nose



| DIA. | FLUTE LENGTH | OVERALL LENGTH | LBS   | UNCOATED PART NUMBER | UNCOATED LIST PRICE | ALTIN PART NUMBER    | ALTIN LIST PRICE |
|------|--------------|----------------|-------|----------------------|---------------------|----------------------|------------------|
| 3/16 | 3/8          | 3              | 1-5/8 | <b>592-1875 BN</b>   | <b>82.22</b>        | <b>592-1875 BN11</b> | <b>89.50</b>     |
| 1/4  | 3/8          | 4              | 2-1/8 | <b>592-2500 BN</b>   | <b>93.46</b>        | <b>592-2500 BN11</b> | <b>105.75</b>    |
| 5/16 | 7/16         | 4              | 2-1/8 | <b>592-3125 BN</b>   | <b>104.74</b>       | <b>592-3125 BN11</b> | <b>117.03</b>    |
| 3/8  | 1/2          | 4              | 2-1/8 | <b>592-3750 BN</b>   | <b>116.39</b>       | <b>592-3750 BN11</b> | <b>128.68</b>    |
| 1/2  | 5/8          | 6              | 3-3/8 | <b>592-5000 BN</b>   | <b>139.21</b>       | <b>592-5000 BN11</b> | <b>188.35</b>    |
| 1/2  | 5/8          | 4              | 2-1/8 | <b>592L5000 BN</b>   | <b>164.34</b>       | <b>592L5000 BN11</b> | <b>163.23</b>    |
| 5/8  | 3/4          | 6              | 3-3/8 | <b>592-6250 BN</b>   | <b>261.26</b>       | <b>592-6250 BN11</b> | <b>288.40</b>    |
| 5/8  | 3/4          | 6              | 2-3/8 | <b>592L6250 BN</b>   | <b>275.24</b>       | <b>592L6250 BN11</b> | <b>302.40</b>    |
| 3/4  | 1            | 6              | 2-1/2 | <b>592-7500 BN</b>   | <b>346.85</b>       | <b>592-7500 BN11</b> | <b>380.39</b>    |
| 3/4  | 1            | 6              | 3-3/8 | <b>592L7500 BN</b>   | <b>365.44</b>       | <b>592L7500 BN11</b> | <b>399.00</b>    |
| 1    | 1-1/4        | 6              | 3-3/8 | <b>592-1000 BN</b>   | <b>535.39</b>       | <b>592-1000 BN11</b> | <b>578.06</b>    |
| 1    | 1-1/4        | 7              | 4-3/8 | <b>592L1000 BN</b>   | <b>605.27</b>       | <b>592L1000 BN11</b> | <b>650.50</b>    |



# End Mills—Long Reach

## Four Flute Single End

Square End



| DIA. | FLUTE LENGTH | OVERALL LENGTH | UNCOATED PART NUMBER | UNCOATED LIST PRICE | ALTIN PART NUMBER | ALTIN LIST PRICE |
|------|--------------|----------------|----------------------|---------------------|-------------------|------------------|
| 1/4  | 3/4          | 4              | 594-2500             | 39.30               | 594-250011        | 51.61            |
| 5/16 | 13/16        | 4              | 594-3125             | 47.60               | 594-312511        | 60.06            |
| 3/8  | 1            | 4              | 594-3750             | 54.42               | 594-375011        | 66.73            |
| 7/16 | 1            | 6              | 594-4375             | 75.88               | 594-437511        | 92.40            |
| 1/2  | 1            | 6              | 594-5000             | 105.98              | 594-500011        | 129.99           |
| 5/8  | 1-1/4        | 6              | 594-6250             | 160.46              | 594-625011        | 187.12           |
| 3/4  | 1-1/2        | 6              | 594-7500             | 247.25              | 594-750011        | 280.80           |
| 1    | 1-1/2        | 6              | 594-1000             | 401.74              | 594-100011        | 444.41           |

## Four Flute Single End

Ball Nose



| DIA. | FLUTE LENGTH | OVERALL LENGTH | UNCOATED PART NUMBER | UNCOATED LIST PRICE | ALTIN PART NUMBER | ALTIN LIST PRICE |
|------|--------------|----------------|----------------------|---------------------|-------------------|------------------|
| 1/4  | 3/4          | 4              | 594-2500 BN          | 44.65               | 594-2500-BN11     | 56.97            |
| 5/16 | 13/16        | 4              | 594-3125 BN          | 55.16               | 594-3125-BN11     | 67.44            |
| 3/8  | 1            | 4              | 594-3750 BN          | 63.54               | 594-3750-BN11     | 75.83            |
| 7/16 | 1            | 6              | 594-4375 BN          | 87.73               | 594-4375-BN11     | 106.66           |
| 1/2  | 1            | 6              | 594-5000 BN          | 118.68              | 594-5000-BN11     | 142.17           |
| 5/8  | 1-1/4        | 6              | 594-6250 BN          | 193.39              | 594-6250-BN11     | 208.33           |
| 3/4  | 1-1/2        | 6              | 594-7500 BN          | 281.01              | 594-7500-BN11     | 305.00           |
| 1    | 1-1/2        | 6              | 594-1000 BN          | 458.24              | 594-1000-BN11     | 482.25           |



# End Mills— Extra Long Reach

## 2 & 4 Flute - Corner Radius



| DIA. | FLUTE LENGTH | CORNER RADIUS | OVERALL REACH | OVERALL LENGTH | 2 FLUTE PART NUMBER | UNCOATED LIST PRICE | 4 FLUTE PART NUMBER | UNCOATED LIST PRICE |
|------|--------------|---------------|---------------|----------------|---------------------|---------------------|---------------------|---------------------|
| 1/4  | 3/8          | .015          | 4-3/8         | 6              | 597-2500            | 84.13               | 598-2500            | 84.05               |
| 5/16 | 1/2          | .015          | 4-5/16        | 6              | 597-3125            | 94.05               | 598-3125            | 94.05               |
| 3/8  | 1/2          | .030          | 4-5/16        | 6              | 597-3750            | 107.25              | 598-3750            | 107.25              |
| 1/2  | 3/4          | .030          | 5-3/4         | 8              | 597-5000            | 176.55              | 598-5000            | 176.55              |
| 5/8  | 7/8          | .030          | 5-5/8         | 8              | 597-6250            | 226.05              | 598-6250            | 226.05              |
| 3/4  | 1            | .030          | 5-5/8         | 8              | 597-7500            | 351.45              | 598-7500            | 351.45              |
| 1    | 1-1/4        | .060          | 5-5/8         | 10             | 597-1000            | 6369.90             | 598-1000            | 636.90              |

## Two & Four Flute - Ball Nose



| DIA. | FLUTE LENGTH | OVERALL REACH | OVERALL LENGTH | 2 FLUTE PART NUMBER | UNCOATED LIST PRICE | 4 FLUTE PART NUMBER | UNCOATED LIST PRICE |
|------|--------------|---------------|----------------|---------------------|---------------------|---------------------|---------------------|
| 1/4  | 3/8          | 4-3/8         | 6              | 597-2500 BN         | 89.10               | 598-2500 BN         | 89.10               |
| 5/16 | 1/2          | 4-5/16        | 6              | 597-3125 BN         | 97.35               | 598-3125 BN         | 97.35               |
| 3/8  | 1/2          | 4-5/16        | 6              | 597-3750 BN         | 112.20              | 598-3750 BN         | 112.20              |
| 1/2  | 3/4          | 5-3/4         | 8              | 597-5000 BN         | 186.45              | 598-5000 BN         | 186.45              |
| 5/8  | 7/8          | 5-5/8         | 8              | 597-6250 BN         | 234.30              | 598-6250 BN         | 234.30              |
| 3/4  | 1            | 5-5/8         | 8              | 597-7500BN          | 364.65              | 598-7500 BN         | 364.65              |
| 1    | 1-1/4        | 5-5/8         | 10             | 597-1000BN          | 650.10              | 598-1000 BN         | 650.10              |