## Tool Sharpening Requirements-End Mills



## Deliver To:

| Hartland Cutting Tools | Email | customerservice@hartlandtool.com |  |
| :---: | :---: | :---: | :---: |
| 240 Jandus Road | Phone | 800-535-HART (4278) / 847-639-9400 | $\square$ Quote before proceeding |
| Cary, IL 60013 | Fax | 847-639-7555 | $\square$ Proceed without quote |
|  | Web | www.hartlandtool.com |  |

## From:

Company Name: $\qquad$
Contact: $\qquad$ Phone \#: $\qquad$
Street Address: $\qquad$
City: $\qquad$ St: $\qquad$ Zip: $\qquad$
Email: $\qquad$

| QTY | Diameter, Style, Etc. | End Only (Do Not Reflute) |  | Recondition (and Reflute) |  | Coating Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |
|  |  | Y | N | Y | N |  |

## Directions for when one (1) flute has a chip:

$\square$ Sharpen all flutes completely
$\square$ Sharpen all flutes but do not sharpen out the

| DIAMETER/SIZE | SQUARE END ONLY | SQUARE <br> FULL RE-CONDITION | BALL NOSE/C.R. <br> END ONLY | BALL NOSE/C.R. <br> FULL RE-CONDITION |
| :---: | :---: | :---: | :---: | :---: |
| $7 / 32^{\prime \prime}$ | $\$ 4.00$ | $\$ 8.00$ | $\$ 8.00$ | $\$ 10.00$ |
| $1 / 4^{\prime \prime}$ | $\$ 5.00$ | $\$ 8.00$ | $\$ 8.00$ | $\$ 10.00$ |
| $9 / 32^{\prime \prime}$ | $\$ 5.00$ | $\$ 8.00$ | $\$ 8.00$ | $\$ 10.00$ |
| $5 / 16^{\prime \prime}$ | $\$ 5.25$ | $\$ 8.25$ | $\$ 8.25$ | $\$ 10.25$ |
| $11 / 32^{\prime \prime}$ | $\$ 6.00$ | $\$ 8.25$ | $\$ 8.25$ | $\$ 10.25$ |
| $3 / 8^{\prime \prime}$ | $\$ 7.00$ | $\$ 11.00$ | $\$ 12.50$ | $\$ 16.50$ |
| $7 / 16^{\prime \prime}$ | $\$ 8.00$ | $\$ 12.00$ | $\$ 12.50$ | $\$ 17.50$ |
| $1 / 2^{\prime \prime}$ | $\$ 8.00$ | $\$ 14.00$ | $\$ 12.50$ | $\$ 18.50$ |
| $9 / 16^{\prime \prime}$ | $\$ 10.00$ | $\$ 16.00$ | $\$ 12.50$ | $\$ 18.50$ |
| $5 / 8^{\prime \prime}$ | $\$ 10.50$ | $\$ 16.25$ | $\$ 12.50$ | $\$ 18.50$ |
| $11 / 16^{\prime \prime}$ | $\$ 13.00$ | $\$ 16.50$ | $\$ 16.00$ | $\$ 18.00$ |
| $3 / 4^{\prime \prime}$ | $\$ 13.50$ | $\$ 16.50$ | $\$ 16.50$ | $\$ 19.00$ |
| $7 / 8^{\prime \prime}$ | $\$ 18.00$ | $\$ 22.50$ | $\$ 22.50$ | $\$ 26.00$ |
| $1 \mathbf{1 "}^{\prime \prime}$ | $\$ 18.00$ | $\$ 23.00$ | $\$ 23.00$ | $\$ 26.50$ |
| $1-1 / 4^{\prime \prime}$ | $\$ 22.00$ | $\$ 27.00$ | $\$ 27.00$ | $\$ 31.00$ |
| $1-1 / 2^{\prime \prime}$ | $\$ 26.00$ | $\$ 31.00$ | $\$ 31.00$ | $\$ 35.00$ |
| $2^{\prime \prime}$ | $\$ 31.00$ | $\$ 35.00$ | $\$ 35.00$ | $\$ 39.00$ |
| $2-1 / 2^{\prime \prime}$ | $\$ 37.00$ | $\$ 41.00$ | $\$ 41.00$ | $\$ 45.00$ |
| $3^{\prime \prime}$ | $\$ 45.00$ | $\$ 49.00$ | $\$ 49.00$ | $\$ 53.00$ |

Pricing Information-Above Costs are for Non-Coated Regrinds Coating Costs are based on type of coating preferred at time of order

All re-conditioning orders are subject to a $\$ 100.00$ minimum
Regrind and Re-Coat (RSRC) orders have a 2-3 week Lead Time
Double Ended Tools-ADD 50\% to unit cost
Endmills with 3" LOC or more, add 25\% to unit cost
Roughing Style and Variable Style End Mills-ADD 25\%
High Quantity (Volume) Discounts may apply-Call in Advance

