## sin ${ }^{2}$



High performance end mill line that is turning heads in the industry!

- High performance end mills for different applications
- HP series, designed for machining carbon steels
- CHP series, designed for machining stainless steels and super alloy applications
- Variable flute geometry reduces chatter and harmonics
- Manufactured using submicron carbide
- Includes in house PVD coating
- 4 flute and 5 flute options available
- Other dimensions, flats, and radius available upon request


## PROUDLY MADE IN THE USA



$$
\begin{aligned}
\text { CONTACT: } & 920 \cdot 923 \cdot 4474 \\
& \text { sales@integritysaw.com }
\end{aligned}
$$

## METALIST CARBIDE END MILLS

| ø1/4" 4 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 1/4" | 1/4" | 7/16"-S | 2" | SQ | HP4250SS | \$ 40.83 |
| 1/4" | 1/4" | 3/4"-N | 2-1/2" | SQ | HP4250NS | \$ 42.00 |
| 1/4" | 1/4" | 3/4"-N | 2-1/2" | R.015" | HP4250NR015 | \$ 44.67 |
| 1/4" | 1/4" | 3/4"- N | 2-1/2" | R.030" | HP4250NR030 | \$ 44.67 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | SQ | HP4250LS | \$ 45.00 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | R.015" | HP4250LR015 | \$ 47.92 |
| 1/4" | 1/4" | 1-1/4"-L | $3{ }^{\prime \prime}$ | R.030" | HP4250LR030 | \$ 47.92 |


| $\varnothing 5 / 16 " 4$ FLUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |  |
| $5 / 16^{\prime \prime}$ | $5 / 16^{\prime \prime}$ | $1 / 2^{\prime \prime}-$ S | $2 "$ | SQ | HP4312SS | $\$ 57.28$ |  |
| $5 / 16^{\prime \prime}$ | $5 / 16^{\prime \prime}$ | $7 / 8^{\prime \prime}-\mathrm{N}$ | $2-1 / 2^{\prime \prime}$ | R.015" | HP4312NR015 | $\$$ |  |
| $5 / 16^{\prime \prime}$ | $5 / 16^{\prime \prime}$ | $1-1 / 4^{\prime \prime}-\mathrm{L}$ | $3 " 70$ |  |  |  |  |


| Ф3/8" 4 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/8" | 3/8" | 5/8"-S | 2" | SQ | HP4375SS | \$ 64.00 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | SQ | HP4375NS | \$ 70.83 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.015" | HP4375NR015 | \$ 76.39 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.030" | HP4375NR030 | \$ 76.39 |
| 3/8" | 3/8" | 1-1/4"- L | $3 "$ | SQ | HP4375LS | \$ 98.61 |
| 3/8" | 3/8" | 1-1/4"- L | $3 "$ | R.030" | HP4375LR030 | \$ 104.17 |


| $\phi 7 / 16^{\prime \prime} 4$ FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PARTNUMBER | LIST PRICE |
| $7 / 16^{\prime \prime}$ | $7 / 16^{\prime \prime}$ | $1-1 / 8^{\prime \prime}-$ N | $3^{\prime \prime}$ | R.030" | HP4437NR030 | $\$ 105.42$ |


| Ф1/2" 4 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | SQ | HP4500SS | \$ 94.31 |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.015" | HP4500SR015 | \$ 99.60 |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.030" | HP4500SR030 | \$ 99.60 |
| 1/2" | 1/2" | $1{ }^{\prime \prime}$-R | 3" | SQ | HP4500RS | \$ 101.11 |
| 1/2" | 1/2" | 1"-R | 3" | R.015" | HP4500RR015 | \$ 106.33 |
| 1/2" | 1/2" | 1-1/4"-N | $3{ }^{\prime \prime}$ | SQ | HP4500NS | \$ 106.11 |
| 1/2" | 1/2" | 1-1/4"-N | $3{ }^{\prime \prime}$ | R.015" | HP4500NR015 | \$ 111.39 |
| 1/2" | 1/2" | 1-1/4"-N | 3 " | R.030" | HP4500NR030 | \$ 111.39 |
| 1/2" | 1/2" | 1-5/8"-L | 4" | SQ | HP4500LS | \$ 134.06 |
| 1/2" | 1/2" | 2"-M | 4 " | SQ | HP4500MS | \$ 152.98 |
| 1/2" | 1/2" | 2"-M | $4 "$ | R.030" | HP4500MR030 | \$ 158.20 |

All end mills are coated. Please contact sales@integritysaw.com for pricing. Jther dimensions and adding flats available upon request. Extra charges or fees may apply.

## METALIST CARBIDE END MILLS

| ¢5/8" 4 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 5/8" | 5/8" | 3/4"-S | 3" | SQ | HP4625SS | \$ 182.22 |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | SQ | HP4625NS | \$ 193.33 |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | R.015" | HP4625NR015 | \$ 204.44 |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | R.030" | HP4625NR030 | \$ 204.44 |
| 5/8" | 5/8" | 2"-L | 4" | SQ | HP4625LS | \$ 251.39 |
| 5/8" | 5/8" | 2"-L | $4{ }^{\prime \prime}$ | R.015" | HP4625LR015 | \$ 262.50 |
| 5/8" | 5/8" | $2 \mathrm{C}-\mathrm{L}$ | 4" | R.060" | HP4625LR060 | \$ 262.50 |


| Ф3/4" 4 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/4" | 3/4" | 1-1/2"-N | 4" | SQ | HP4750NS | \$ 255.26 |
| 3/4" | 3/4" | 1-1/2"-N | $4{ }^{\prime \prime}$ | R.030" | HP4750NR030 | \$ 266.37 |
| 3/4" | 3/4" | 1-1/2"-N | 4" | R.060" | HP4750NR060 | \$ 266.37 |
| 3/4" | 3/4" | 2"-L | 4 " | R.015" | HP4750LR015 | \$ 281.26 |
| 3/4" | 3/4" | 2"-L | 4" | R.030" | HP4750LR030 | \$ 281.26 |
| 3/4" | 3/4" | 2-1/4"-M | 5" | SQ | HP4750MS | \$ 337.50 |
| 3/4" | 3/4" | 2-1/4"-M | 5" | R.030" | HP4750MR030 | \$ 348.61 |
| 3/4" | 3/4" | 2-1/4"-M | 5" | R.060" | HP4750MR060 | \$ 348.61 |


| $\varnothing 1$ " 4 FLUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LISTPRICE |  |
| $1^{\prime \prime}$ | $1^{\prime \prime}$ | $1-1 / 2^{\prime \prime}-\mathrm{N}$ | $4^{\prime \prime}$ | SQ | HP4100NS | $\$ 365.28$ |  |
| $1^{\prime \prime}$ | $1^{\prime \prime}$ | $1-1 / 2^{\prime \prime}-\mathrm{N}$ | $4^{\prime \prime}$ | R.030" | HP4100NRO30 | $\$ 376.39$ |  |
| $1^{\prime \prime}$ | $1^{\prime \prime}$ | $2-1 / 4^{\prime \prime}-\mathrm{M}$ | $5^{\prime \prime}$ | SQ | HP4100MS | $\$ 442.22$ |  |



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217 E. Larsen Dr. |Fond du Lac, WI 54937 t: 920-923-4474 f: 920-923-4407
w: www.integritysaw.com

## METALIST CARBIDE END MILLS

| Ф1/4" 5 FLUTE NANO-CR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 1/4" | 1/4" | 3/4"-N | 2-1/2" | SQ | CHP5250NS | \$ 47.61 |
| 1/4" | 1/4" | 3/4"-N | 2-1/2" | R.015" | CHP5250NR015 | \$ 50.33 |
| 1/4" | 1/4" | 3/4"-N | 2-1/2" | R.030" | CHP5250NR030 | \$ 50.33 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | SQ | CHP5250LS | \$ 51.06 |
| 1/4" | 1/4" | 1-1/4"-L | $3{ }^{\prime \prime}$ | R.015" | CHP5250LR015 | \$ 53.98 |
| 1/4" | 1/4" | 1-1/4"- L | 3" | R.030" | CHP5250LR030 | \$ 53.89 |


| Ø3/8" 5 FLUTE NANO-CR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/8" | 3/8" | 5/8"-S | 2" | SQ | CHP5375SS | \$ 71.37 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | SQ | CHP5375NS | \$ 78.72 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.015" | CHP5375NR015 | \$ 84.28 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.030" | CHP5375NR030 | \$ 84.28 |
| 3/8" | 3/8" | 1-1/4"-L | 3" | R.060" | CHP5375LR060 | \$ 113.76 |


| Ø1/2" 5 FLUTE NANO-CR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.015" | CHP5500SR015 | \$ 110.98 |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.030" | CHP5500SR030 | \$ 110.98 |
| 1/2" | 1/2" | 1"-R | 3" | SQ | CHP5500RS | \$ 115.28 |
| 1/2" | 1/2" | 1-1/4"-N | 3" | SQ | CHP5500NS | \$ 116.94 |
| 1/2" | 1/2" | $1-1 / 4 "-N$ | 3" | R.015" | CHP5500NR015 | \$ 119.81 |
| 1/2" | 1/2" | 1-1/4"-N | 3" | R.030" | CHP5500NR030 | \$ 119.81 |
| 1/2" | 1/2" | 1-5/8"-L | 4" | SQ | CHP5500LS | \$ 143.26 |


| ø5/8" 5 FLUTE NANO-CR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | SQ | CHP5625NS | \$ 214.07 |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | R.015" | CHP5625NR015 | \$ 224.44 |
| 5/8" | 5/8" | 1-1/4"-N | 3-1/2" | R.030" | CHP5625NR030 | \$ 224.44 |


| ø3/4" 5 FLUTE NANO-CR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/4" | 3/4" | 1-1/2"-N | $4{ }^{\text {" }}$ | R.030" | CHP5750NR030 | \$ 297.31 |
| 3/4" | 3/4" | 2"-L | 4" | R.015" | CHP5750LR015 | \$ 396.22 |
| 3/4" | 3/4" | 2"-L | $4 "$ | R.030" | CHP5750LR030 | \$ 396.22 |
| 3/4" | 3/4" | 3"-X | $6 "$ | SQ | CHP5750XS | \$ 410.61 |

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w: www.integritysaw.com

## METALIST CARBIDE END MILLS

| ø1/4" 5 FLUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER |  | PRICE |
| 1/4" | 1/4" | 3/4"- N | 2-1/2" | SQ | HP5250NS | \$ | 46.17 |
| 1/4" | 1/4" | $3 / 4 "-N$ | 2-1/2" | R.015" | HP5250NR015 | \$ | 48.83 |
| 1/4" | 1/4" | $3 / 4 "-\mathrm{N}$ | 2-1/2" | R.030" | HP5250NR030 | \$ | 48.83 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | SQ | HP5250LS | \$ | 49.56 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | R.015" | HP5250LR015 | \$ | 52.48 |
| 1/4" | 1/4" | 1-1/4"-L | 3" | R.030" | HP5250LR030 | \$ | 52.48 |


| Ф3/8" 5 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/8" | 3/8" | 5/8"-S | 2" | SQ | HP5375SS | \$ 69.64 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | SQ | HP5375NS | \$ 76.48 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.015" | HP5375NR015 | \$ 82.03 |
| 3/8" | 3/8" | 7/8"-N | 2-1/2" | R.030" | HP5375NR030 | \$ 82.03 |
| 3/8" | 3/8" | 1-1/4"-L | $3{ }^{\prime \prime}$ | R.060" | HP5375LR060 | \$ 109.81 |


| Ф1/2" 5 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.015" | HP5500SR015 | \$ 108.20 |
| 1/2" | 1/2" | 5/8"-S | 2-1/2" | R.030" | HP5500SR030 | \$ 108.20 |
| 1/2" | 1/2" | 1"-R | 3" | SQ | HP5500RS | \$ 112.50 |
| 1/2" | 1/2" | 1-1/4"-N | 3" | SQ | HP5500NS | \$ 114.17 |
| 1/2" | 1/2" | 1-1/4"-N | 3" | R.015" | HP5500NR015 | \$ 117.03 |
| 1/2" | 1/2" | 1-1/4"- N | 3" | R.030" | HP5500NR030 | \$ 117.03 |
| 1/2" | 1/2" | 1-5/8"-L | 4" | SQ | HP5500LS | \$ 139.59 |


| $\varnothing 5 / 8 " 5$ FLUTE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |  |
| $5 / 8^{\prime \prime}$ | $5 / 8^{\prime \prime}$ | $1-1 / 4^{\prime \prime}-\mathrm{N}$ | $3-1 / 2^{\prime \prime}$ | SQ | HP5625NS | $\$ 210.00$ |  |
| $5 / 8^{\prime \prime}$ | $5 / 8^{\prime \prime}$ | $1-1 / 4^{\prime \prime}-\mathrm{N}$ | $3-1 / 2^{\prime \prime}$ | R.015" | HP5625NR015 | $\$ 221.11$ |  |
| $5 / 8^{\prime \prime}$ | $5 / 8^{\prime \prime}$ | $1-1 / 4^{\prime \prime}-\mathrm{N}$ | $3-1 / 2^{\prime \prime}$ | R.030" | HP5625NR030 | $\$ 221.11$ |  |


| ¢3/4" 5 FLUTE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DIAMETER | SHANK | LOC | OAL | END TYPE | PART NUMBER | LIST PRICE |
| 3/4" | 3/4" | 1-1/2"-N | 4" | R.030" | HP5750NR030 | \$ 292.48 |
| 3/4" | 3/4" | $2 \mathrm{C}-\mathrm{L}$ | 4" | R.015" | HP5750LR015 | \$ 320.14 |
| 3/4" | 3/4" | 2"-L | 4" | R.030" | HP5750LR030 | \$ 320.14 |
| 3/4" | 3/4" | 3"-X | $6{ }^{\prime \prime}$ | SQ | HP5750XS | \$ 403.64 |

All end mills are coated. Please contact sales@integritysaw.com for pricing.
Other dimensions and adding flats available upon request. Extra charges or fees may apply.

# [INTEGRITY] 

the quality of being honest and having strong moral principles

Integrity Saw and Tool's state of the art manufacturing facility is located in Fond du Lac, WI.

Integrity is committed to continuously improving the technology at every step of the manufacturing process to provide consistent high quality cutting tools quickly and efficiently. One piece of technology Integrity has invested in is to have a coating facility in house. This allows Integrity to monitor the consistency of the coating and the ability to quickly service our customer's coating needs.

## LOCAL

- Proudly made locally in Fond du lac, WI with sales routes spanning northeastern central and southern Wisconsin.


## CONTINUOUS IMPROVEMENT

- Integrity is focused on continuously improving every step of the manufacturing process by investing in inspection equipment, grinding machines, automation, along with an in house PVD coating facility.


## DIVERSE

- Integrity is your one stop shop including high performance end mills, custom tools, carbide and HSS drills, saw blades, PVD coating, etc.
- Integrity also provides resharpening to bring your tooling back to "like new" condition.


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