

How to choose your turning tool...

1 Select the insert series that suits your needs...

American Performance™

Looking for high-performance inserts in universal grades to machine everything from carbon steel to cast iron? The American Performance™ series of turning inserts is your answer.



American Standard™

Have a wide variety of applications in your shop that require particular tools? The American Standard™ series offers a broad array of negative and positive rake turning inserts in a selection of grades guaranteed to work for you.



American Value™

Need inserts that will work at a price that won't break the bank? The American Value™ series may be the best value from an American manufacturer on the market today.



2 Select the insert rake angle and fastening system...

Negative, positive...

Lock pin, clamp-style, or screw-on fastening system



3 Select the shape of insert and type of application...

Round, diamond, triangle inserts... Finishing, medium machining, roughing...

4 Define the material to be machined...

Define the material according to the ISO classification system.

ISO P – Carbon and alloy steels

ISO M – Stainless steels

ISO K – Cast irons

ISO N – Non ferrous metals

ISO S – High temperature alloys

ISO H – Hard materials

M (Yellow)	Free machining steels	300 Series
	Alloy cast irons and malleable irons	
K (Red)	Cast irons	ASTM A48 class
	Short-chipping malleable irons	ASTM A48 class
N (Green)	Non-ferrous metals	Nodular/ductile ferritic/martensitic J434, ASTM A47 Aluminum and aluminum alloys, manganese, magnesium, lead alloys, TiAlCNs, lead alloys, Carbon and grade

See our Workpiece Material Classification Chart on pages 4-5 for details.

5 Select a grade...

Using the grade selection information at the beginning of each product section, choose the grade best suited for the type of application and material being machined that is available for the style of insert chosen.