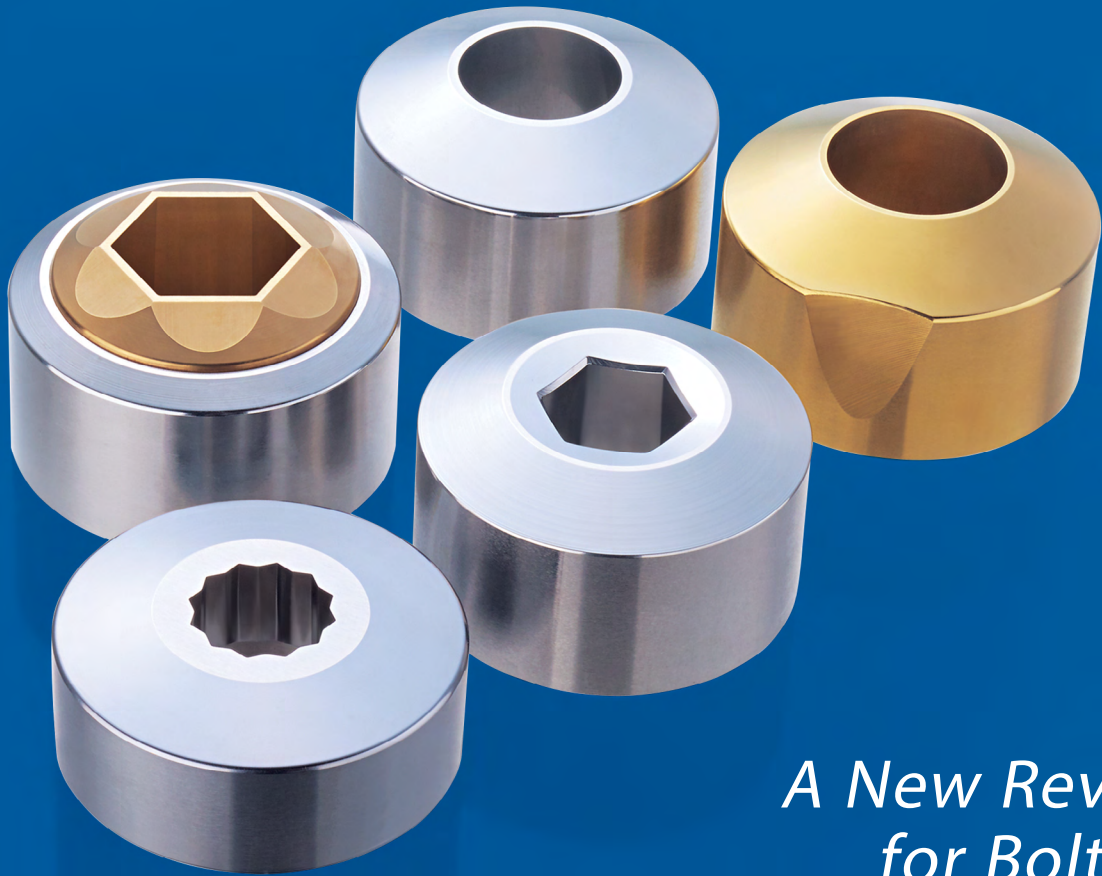




# Designed for Stable Tool Life Trim Dies

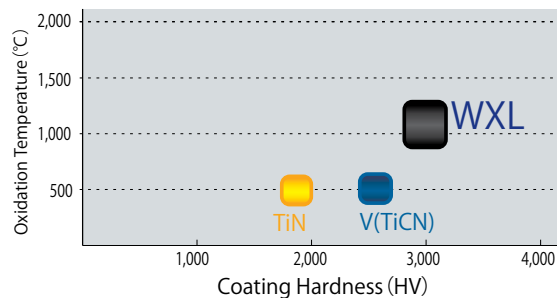


*A New Revolution  
for Bolt Heads.*

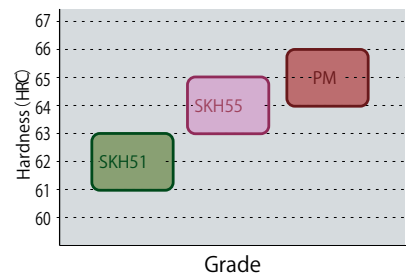
Achieve long tool life with the perfect combination of material and coating!

A wide variety of coatings are available with the CVD and PVD methods.

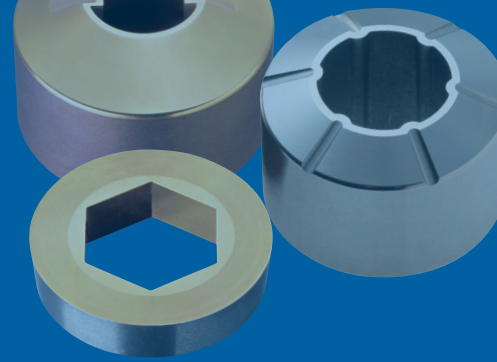
Hardness of PVD Coating and Oxidation Temperature



Material Hardness

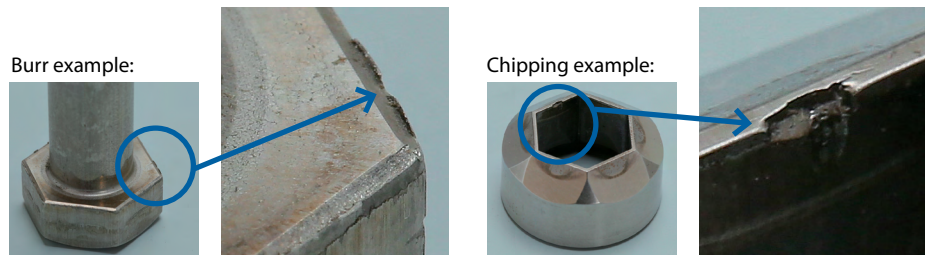


# Leave Your Trim Die Needs to OSG!



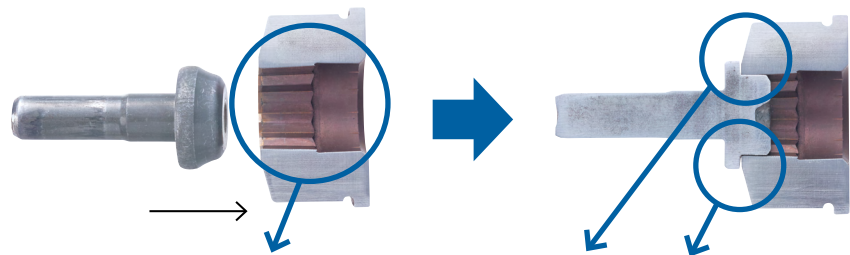
## Eliminate Burrs, Chipping And Other Common Issues

OSG dies are processed with a special cutting edge to prevent burrs and chipping.



## Improve The Finish On Bolt Heads

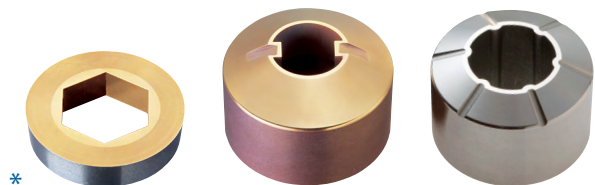
Rather than the typical manufacturing process through discharge machining and cutting on the speed punch surface, OSG's trim dies are processed with its original manufacturing formula to ensure consistent and high quality finish.



Superior speed punch surface of the die = Superior bolt head finish!

## Dies for the Processing of Special Bolt Heads

In addition to the common hexagonal trimming dies, OSG also offers special dies (such as round, square, dodecagon, etc.) to accommodate the manufacturing needs of various industries including automotive, construction machinery and energy.



\*Hexagon Nibs: press-fitted into the bolt head material to form a bolt head by deformation

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### The OSG Difference

The Parma, OH facility of OSG USA, INC. has served the fastener industry since 1948. We pride ourselves in the superior quality of our products, technical expertise of our staff and business integrity that we provide to our customers.

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