



NEUKOMM

HIGH PRECISION SWISS TOOLING

1943



POLYMER GUIDE BUSHINGS AND COLLETS A NEUKOMM EXCLUSIVITY

Our polymer guide bushings and our collets in polymer are exclusive products only made by NEUKOMM. Results of several years of research and trials, it is a new concept in the guiding of bars and pick up of parts.

It solves the problems of seizing and marking.

POLYMER GUIDE BUSHINGS



Bushings and collets are made of two different polymers with specific properties. Guide bushings are made of yellow self-lubricating polymer.

The bushing is one piece plain polymer.

It does not seize, it does not mark.

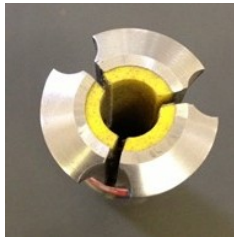
Its coefficient of friction is very low, the bar slides easily without play through the bore.

The polymer guide bushing provides economical solutions in the guiding of bars of any material like, Titanium, Stainless steel, free-cutting steel with or without Lead, brass, plastic, Peek, fiberglass, etc.

The set up of the guide bushing is easy, like carbide bushing but with more flexibility. Its absorbs the diameters irregularities of the bars.

The concentricity of the guide bushing guarantees the accuracy.

The polymer guide bushing does not wear out. Its life is dependent on several parameters, like carbide bushing, that is, machined material, cutting speed, type of parts, cutting oil, use in rotating or non rotating bushholders, etc.



Steel body guide bushing with polymer insert

Certain machining operations have very high cutting charges. In these cases, we recommend the use of a bushing made of steel body and polymer bore.

The advantage of polymer joined to the stability of steel.

*The polymer meets the increasingly restrictive environmental standards.
It contains no heavy metals.*

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NEUKOMM

POLYMER COLLET : CLAMPING WITHOUT MARKING



The polymer collet does not mark, nor scratch the bar or the part at clamping.

The collets are made with a polymer specially developed to warranty the tightening forces and elasticity. They work like steel collets.



Collets with steel body and polymer bore

In case of very high machining charges, we propose collets made of steel body and bore in polymer insert.

Mostly used as pick up collets, standard or long nozzle.

They warranty a good tightening when the length of clamping of the part is very short.



We manufacture different types of polymer collets **W20, W25, 5C**

The polymer warranty a soft clamping, does not hurt the parts, nor the bar.



The polymer does not rust, it can be used with solvents

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