



# NEUKOMM

HIGH PRECISION 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 SA. 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 of one piece polymer, body and bore.

It does not seize, it does not mark.

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

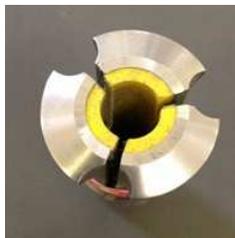
The polymer guide bushing provides economical solutions in the guiding of bars of any material, Titanium, Stainless steel, free-cutting steel with or without Lead,

brass, plastic, Peek, fiberglass, etc.

The set up of the guide bushing is easy, like a carbide bushing with more flexibility. It 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 a 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 operation 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 as found in carbide.*

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Polymère GB V6



# 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, elasticity, sturdiness. 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 polymer bore.  
Mostly used as pick up collets, standard or long noze.  
They warranty a good thightening when the length of clamping of the part is very short.



We manufacture different types of polymer collets.  
The applications are numerous.  
Some examples : W20 collets, W25, collets for multispindles automats,

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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