



# REALLY SOLID!

FROM SCHWANOG!



COMPLETE RANGE!

TOTAL COMPETENCY!

NEW: **SOLID CARBIDE DRILLS**  
AVAILABLE IMMEDIATELY  
FROM SCHWANOG

**schwanog**

**NEW!**

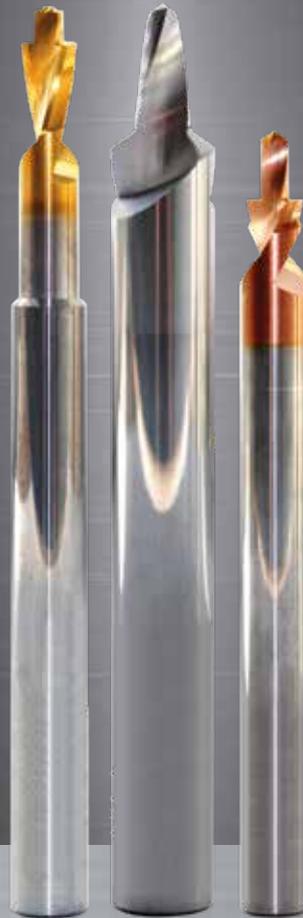
SCHWANOG NOW OFFERS BOTH:

# SOLID CARBIDE DRILLS AND INSERTABLE FORM DRILLS!

## **NEW: DRILLING WITH SOLID CARBIDE DRILLS FROM SCHWANOG!**

With our new solid carbide drills, we are closing a gap in the product range of high efficient drill applications for our customers.

The new Schwanog solid carbide drills are available in all common carbide grades and coatings. As with our insertable form drills the profiles of our solid carbide drills are ground specifically to customer requirements.



### **Technical facts:**

- ▣ Solid carbide drills available in almost all desired designs and coatings.

### **Precision:**

- ▣ All precision parameters can be achieved process safe and checked by highly advanced measurement equipment.

### **Your benefits:**

- ▣ Effective immediately, we can offer a complete range of solid and insertable form drills.
- ▣ Depending on your application we will be able to quote you the best possible solution.

## INSERTABLE FORM DRILLS!

With the insertable form drills, Schwanog is offering an equally efficient and cost saving solution, due to the fact that only the insertable carbide tool is ground and not the entire solid carbide drill.

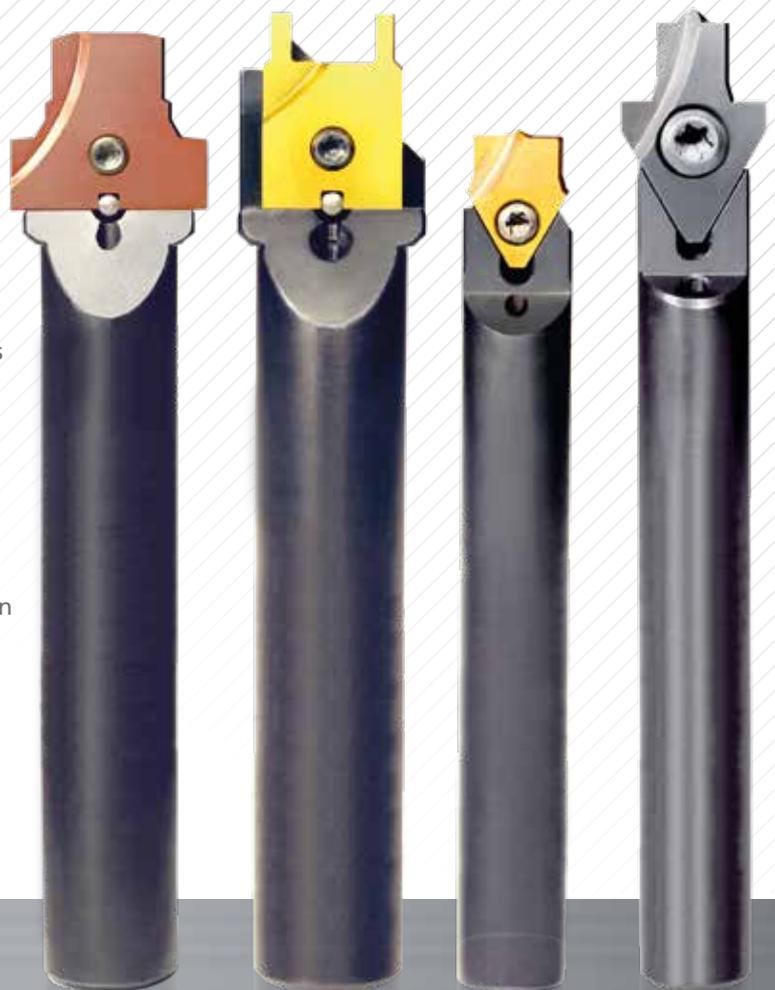
With the insertable form drill which is always individually ground according to a customer drawing a minimum tolerance of  $\pm 0.02$  mm can be process safe achieved.

To complement the PWP System, the PWP-D System was added to the Schwanog product line which carries wider inserts, achieving bore diameters up 28 mm.

The advantage of the Schwanog insertable drill is particularly evident when it comes to tool tests as various carbide grades and coatings can be tested using the same holder.

Other advantages of the insertable drill are elimination of set-up time as the coolant thru drill holder stays untouched in the machine during tool changeovers assuring center height stays unchanged and reduced coating costs of the insertable drill insert when compared to a solid carbide drill.

**Form Drilling with Schwanog.  
Wider. More efficient. Lower costs!**



### Technical Facts:

- ❑ Insertable drills for bore diameter up to 28mm (1.100")
- ❑ Coolant thru drill holders
- ❑ For use on any lathes, milling and drilling centers

### Repeatability:

- ❑ < 0,02 mm

### Your benefits:

- ❑ Part cost reduction up to 40 %
- ❑ Elimination of set-up time during tool changeovers
- ❑ Distinctly lower coating costs
- ❑ Insertable drills are lower in price than solid carbide drills

OUR MISSION:

# REDUCING COSTS IS OUR JOB!



OD Grooving



OD Grooving for rotary transfer machines



ID Grooving



Skiving Tools



Polygon turning



Broaching of Serrations



ID Grooving and turning with WSI



Form drilling



Solid Carbide drill



Shave Tools



OD Whirling



ID Whirling Tools  
(Tread Mills)



Parts Selector

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