

*As*

*reliable  
as never before*

**Phoenix TC2**  
**Hole depths available**  
**from 3 x d up to 30 x d**

**Phoenix TC2**  
**The new drilling league**

**SPHINX**  
+ Swissmade tools  
Your partner 



# High performance drill Phoenix TC2

Best chip evacuation  
due to polished flutes

100% cooling alongside of  
the Phoenix flutes



## Advantages in productivity:

- High feed rate in a continuous drilling cycle without pecking
- Short process time, increased productivity compared to common gun drills.
- Very high tool life
- Extremely high process reliability
- Applicable on standard machining centres with low coolant pressure of about 20 bars.
- Also applicable for cross holes or inclined hole entrances

Optimal guiding due to  
special double-margin  
geometries

Special point geometry  
for precisely aligned holes

Specific tough  
submicron carbide

Novel, hard coating  
with smooth surface  
for perfect chip and coolant flow



## Application example:

Material: 1.4404 / 2CrNiMo17-12-2 / 316L

Tool: Art. 52930

Diameter: 3.00 mm

Drilling depth: 90 mm

Coolant:

Blaser Swissslube «B-Cool 755-01»  
mixing ratio 8 %

Cutting datas:

$vc = 55 \text{ m/min}$

$f = 0.05 \text{ mm/rev}$

Tool life:

After 236 holes the end of tool life  
was reached. This is corresponding  
to a drilling length of 19.8 meters.

Pilot drilling:

Pilot hole drilling with Art. 56036  
is required first

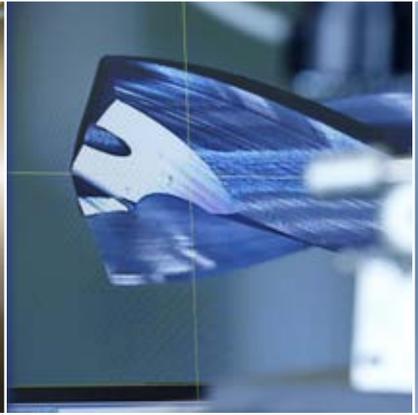


## Application fields:

■ Material groups ISO:



■ Particularly suitable for difficult  
to machine and sticky materials



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Art. 52930 – 30 x d  
ø 3.00–10.00



Art. 52920 – 20 x d  
ø 3.00–10.00



Art. 52916 – 16 x d  
ø 1.00–10.00



Art. 52912 – 12 x d  
ø 1.00–10.00



Art. 52909 – 9 x d  
ø 1.00–10.00



Art. 52906 – 6 x d  
ø 1.00–10.00



Art. 52903 – 3 x d  
ø 1.00–10.00

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