Milling and Drilling Tools

The perfect tools
for high-quality production
of dental restorations



imes-icore®
Dental & Medical Solutions

Tool Philosophy

OVER 20 YEARS OF COMBINED EXPERTISE FOR YOUR SUCCESS

For over two decades, we have played a key role in shaping the dental industry and setting standards in the production of high-precision tools for dental restorations. Our focus is on the development and production of premium tools that impress with their quality and innovation.

Many years of experience and specialized know-how are the basis of our success. With an experienced team of CAD/CAM experts and a high-performance development department, we are continuously driving forward tool technology for dental applications. Each tool is developed in close cooperation with our customers and partners to ensure maximum precision and efficiency.

We not only optimize the tool geometry, but also develop individually tailored milling strategies, especially for use in our CORiTEC milling machines. Our aim is to offer a perfectly adapted solution for every application.



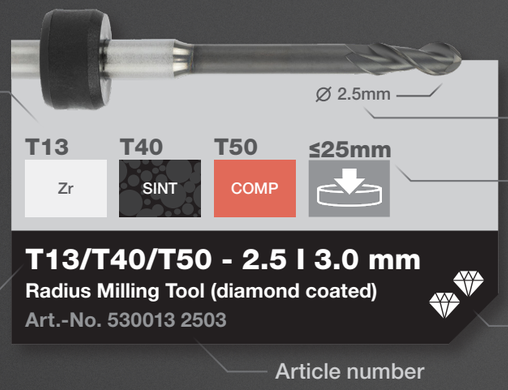
The highest quality standards in day-to-day work can only be achieved only through a seamless and holistic process. Instead of isolated individual solutions, we rely on a perfectly coordinated system for dental practices and dental laboratories. This comprises CORiTEC CNC machines, CAM software, materials, milling tools and workpiece holders, which interact precisely and reliably. The result is a significant reduction in process complexity and an efficient, optimized workflow.

Our tools are developed in close cooperation with leading manufacturers and produced using the latest manufacturing technologies. In this way, we ensure that every CORiTEC milling tool meets the highest quality standards and satisfies even the most demanding applications.

With CORiTEC milling tools from imes-icore, you are choosing more than just a high-quality tool - you are choosing a reliable partner who consistently supports your demands for precision and innovation.

Tool Explanation

Material compatibility with tool number
The tool number above (T-number) shows which tool number must be assigned in the machine for the corresponding material.
For example:
T13 = Zirconia | T40 = SINT | T50 = COMP



Diameter of the tool tip

Material height
This symbol indicates the maximum material height that can be processed with this milling tool, e.g., up to 25 mm for a disc.

Designation of the tool
The tool designation consists of:
-Specification of possible tool numbers (T13/T40/T50)
-Diameter of the tool tip and shank (2.5 | 3.0 mm)
-Tool type (Radius Milling Tool)
-Special tool features (diamond coated)

Coating
1 diamond = diamond grit
2 diamonds = diamond coating

Article number

MATERIAL LEGEND

Zr	Zirconia	glass ceramics	Glass ceramics	Ti	Titanium	calibr.	Calibration
PMMA	PMMA / Plastics	COMP	Composite materials	CoCr	Cobalt chrome	Aligner	Aligner
WAX	Wax	PEEK	PEEK	SINT	Sintered metal		

BASE COLORS PACKAGING

The color coding indicates which material can be processed with the tool and is defined as follows:

- Milling tool for Ti and/or CoCr
- Milling tool for plastic/wax/Zr
- Diamond-coated milling tool for Zr/sintered metal/composite
- Grinding tool for glass ceramics
- transp. — Universal milling tool
- Calibration tool

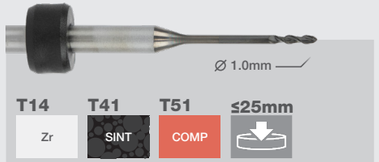


3 mm | Soft Materials

FOR ZIRCONIA, PMMA, PEEK, WAX, COMPOSITE, AND SINTERED METAL

3-mm shaft tools for the precise machining of soft materials. Whether zirconia, PMMA, PEEK, wax, composite, or sintered metal – these milling tools combine universal application possibilities with maximum efficiency.

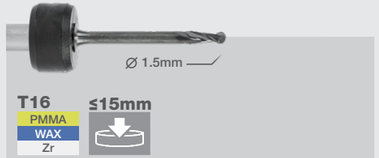
Thanks to their specially optimized cutting edge geometry, they deliver clean cutting results and ensure excellent surface quality – providing you with maximum flexibility and reliability.



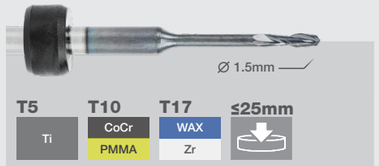
T14/T41/T51 - 1.0 I 3.0 mm
Radius Milling Tool (diamond coated)
Art.-No. 530013 1003



T15/T42/T52 - 0.6 I 3.0 mm
Radius Milling Tool (conical)
Art.-No. 530016 0603



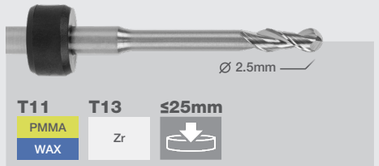
T16 - 1.5 I 3.0 mm
Radius Milling Tool (l = 15 mm)
Art.-No. 530016 1503



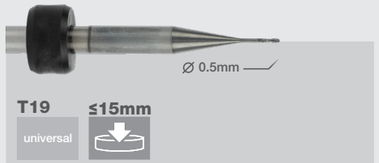
T5/T10/T17 - 1.5 I 3.0 mm
Shaft Milling Tool (l = 15mm), universal
Art.-No. 530001 1503



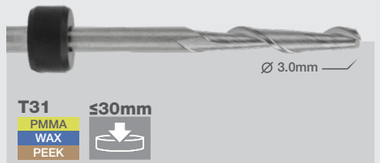
T11 - 2.5 I 3.0 mm
Radius Milling Tool (single blade, slide coated)
Art.-No. 530004 2503



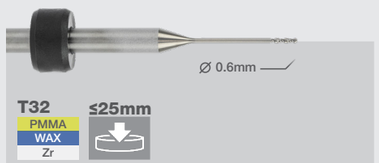
T11/T13 - 2.5 I 3.0 mm
Radius Milling Tool
Art.-No. 530016 2503



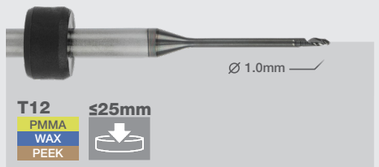
T19 - 0.5 I 3.0 mm
Shaft Milling Tool (l = 4 mm), universal
Art.-No. 530001 0503



T31 - 3.0 I 3.0 mm
Shaft Milling Tool long (single blade, slide coated)
Art.-No. 530012 3003



T32 - 0.6 I 3.0 mm
Radius Milling Tool long (l = 12 mm)
Art.-No. 530012 0603



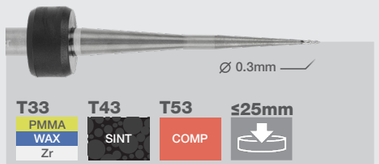
T12 - 1.0 I 3.0 mm
Radius Milling Tool (single blade, slide coated)
Art.-No. 530004 1003



T12/T14 - 1.0 I 3.0 mm
Radius Milling Tool
Art.-No. 530016 1003



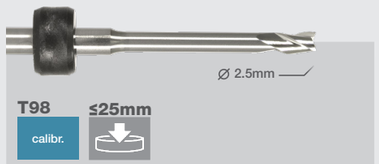
T13/T40/T50 - 2.5 I 3.0 mm
Radius Milling Tool (diamond coated)
Art.-No. 530013 2503



T33/T43/T53 - 0.3 I 3.0 mm
Radius Milling Tool (conical)
Art.-No. 530016 0303



T37 - 1.5 I 3.0 mm
Torus Milling Tool (r = 0,08 mm, l = 20mm)
Art.-No. 530035 1503



T98 - 2.5 I 3.0 mm
Shaft Milling Tool (l = 20mm, three blades)
Art.-No. 530024 2503

3 mm | Metal Processing

FOR TITANIUM AND COBALT-CHROME



T1 Ti | T6 CoCr | ≤15mm

T1/T6 - 3.0 I 3.0 mm
Radius Milling Tool (l = 15 mm)
Art.-No. 530029 3003



T2 Ti | T7 CoCr | ≤15mm

T2/T7 - 2.0 I 3.0 mm
Radius Milling Tool (l = 12 mm)
Art.-No. 530029 2003



T3 Ti | T8 CoCr | ≤15mm

T3/T8 - 1.5 I 3.0 mm
Radius Milling Tool (l = 12 mm)
Art.-No. 530029 1503



T4 Ti | T9 CoCr | ≤15mm

T4/T9 - 1.0 I 3.0 mm
Radius Milling Tool (l = 9 mm)
Art.-No. 530029 1003

The milling tools are specifically tailored to the demands of modern metalworking. They impress with the highest precision when machining challenging materials such as titanium and CoCr, setting new standards in efficiency and durability.



T5 Ti | T10 CoCr PMMA | T17 WAX Zr | ≤25mm

T5/T10/T17 - 1.5 I 3.0 mm
Shaft Milling Tool (l = 15 mm), universal
Art.-No. 530001 1503



T19 universal | ≤15mm

T19 - 0.5 I 3.0 mm
Shaft Milling Tool (l = 4 mm)
Art.-No. 530001 0503



T20 Ti CoCr | ≤15mm

T20 - 0.6 I 3.0 mm
Radius Milling Tool (conical)
Art.-No. 530003 0603



T58 Ti | T59 CoCr | ≤15mm

T58/T59 - 2.0 I 3.0 mm
Highspeed Milling Tool Short (l = 15 mm)
Art.-No. 530031 2003

Thanks to their optimized design, they enable uniform cutting and ensure reliable machining with outstanding surface quality. Our milling tools combine stability and versatility, minimize wear to an absolute minimum, and meet even the highest demands.

3 mm | Grinding Tools

FOR GLASS-CERAMICS SUCH AS LITHIUM DISILICATE AND FELDSPAR CERAMICS

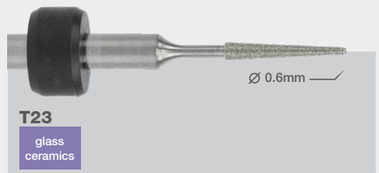
Our grinding tools feature electroplated coatings specially designed for machining glass ceramics. The diamond grit is precisely tailored in size and shape to the specific application, as is the concentration of diamonds.
A robust carbide substrate ensures additional stability and long service life. As a result, the tools offer maximum efficiency and precision – ideal for use with demanding materials.



T21 - 2.5 I 3.0 mm
Radius Grinding Tool (diamond)
Art.-No. 530005 2503



T22 - 1.0 I 3.0 mm
Radius Grinding Tool (diamond)
Art.-No. 530005 1003



T23 - 0.6 I 3.0 mm
Radius Grinding Tool (conical, diamond)
Art.-No. 530005 0603



T24 - 1.5 I 3.0 mm
Radius Grinding Tool (diamond)
Art.-No. 530005 1503



HIGHLIGHTS

- Tailored for hard materials such as glass ceramics
- Diamond grit and concentration adapted to the application
- Stability and precision for high-quality results

6 mm | Soft Materials

FOR ZIRCONIA, PMMA, PEEK, WAX, COMPOSITE, AND SINTERED METAL

The 6-mm milling tools are characterized by their strengthened shaft, which ensures increased stability and reduced vibrations. This not only enables precise machining but also extends tool life. Especially when processing hard materials, they offer maximum reliability and consistent performance thanks to their optimized design and robustness.





T11 - 2.5 I 6.0 mm
Radius Milling Tool (single blade, slide coated)
Art.-No. 530004 2506



T11/T13 - 2.5 I 6.0 mm
Radius Milling Tool
Art.-No. 526019 2506



T12 - 1.0 I 6.0 mm
Radius Milling Tool (single blade, slide coated)
Art.-No. 530004 1006



T12/T14 - 1.0 I 6.0 mm
Radius Milling Tool
Art.-No. 526019 1006



T13/T40/T50 - 2.5 I 6.0 mm
Radius Milling Tool (diamond coated)
Art.-No. 526013 2506



T14/T41/T51 - 1.0 I 6.0 mm
Radius Milling Tool (diamond coated)
Art.-No. 526013 1006



T15/T42/T52 - 0.6 I 6.0 mm
Radius Milling Tool (conical)
Art.-No. 526019 0606



T16 - 1.5 I 6.0 mm
Radius Milling Tool long (l = 15 mm)
Art.-No. 526019 1506



T17 - 1.5 I 6.0 mm
Shaft Milling Tool (l = 15mm)
Art.-No. 526001 1506



T18 - 0.5 I 6.0 mm
Radius Milling Tool (l = 4 mm), universal
Art.-No. 526026 0506



T19 - 0.5 I 6.0 mm
Shaft Milling Tool (l = 4 mm), universal
Art.-No. 526001 0506

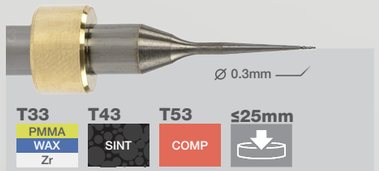


T30 - 4.0 I 6.0 mm
Shaft Milling Tool long (l=32mm, single blade, slide coated)
Art.-No. 526012 4006



T32 - 0.6 I 6.0 mm
Radius Milling Tool long(l = 12 mm)
Art.-No. 526012 0606

SPECIAL APPLICATIONS



T33/T43/T53 - 0.3 I 6.0 mm
Radius Milling Tool (conical)
Art.-No. 526019 0306



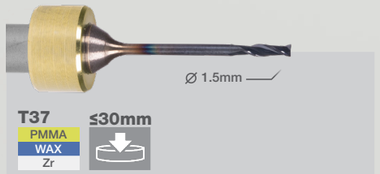
T34 - 3.0 I 6.0 mm
Radius Milling Tool long (l = 27 mm)
Art.-No. 526012 3006



T35 - 2.0 I 6.0 mm
Radius Milling Tool long (l = 20 mm)
Art.-No. 526012 2006



T36 - 4.0 I 6.0 mm
Radius Milling Tool long(l = 31 mm)
Art.-No. 530019 4006

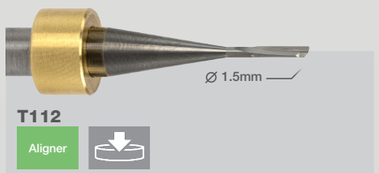


T37 - 1.5 I 6.0 mm
Torus Milling Tool long (r=0,08 mm, l = 20 mm)
Art.-No. 530035 1506



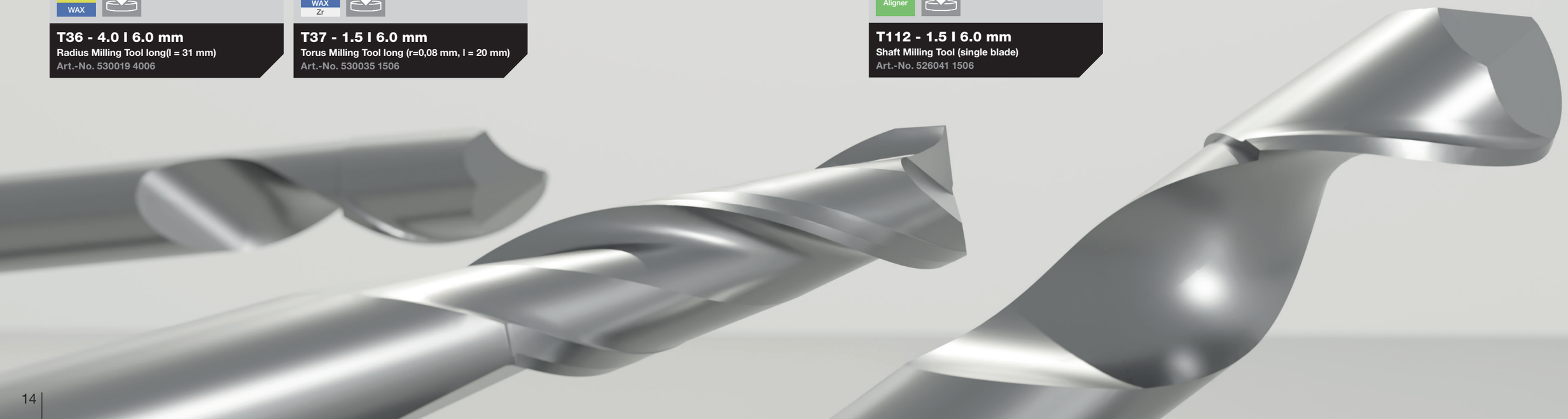
T98 - 2.5 I 6.0 mm
Shaft Milling Tool(l = 20 mm, three blades)
Art.-No. 526024 2506

For reliable and precise results, the correct calibration of your machines is essential.
Our calibration tools ensure that your manufacturing processes are always optimally adjusted. With the highest accuracy, they help you minimize downtime and maintain consistently high quality.



T112 - 1.5 I 6.0 mm
Shaft Milling Tool (single blade)
Art.-No. 526041 1506

Special milling tools for processing aligners for selected imes-icore machines.

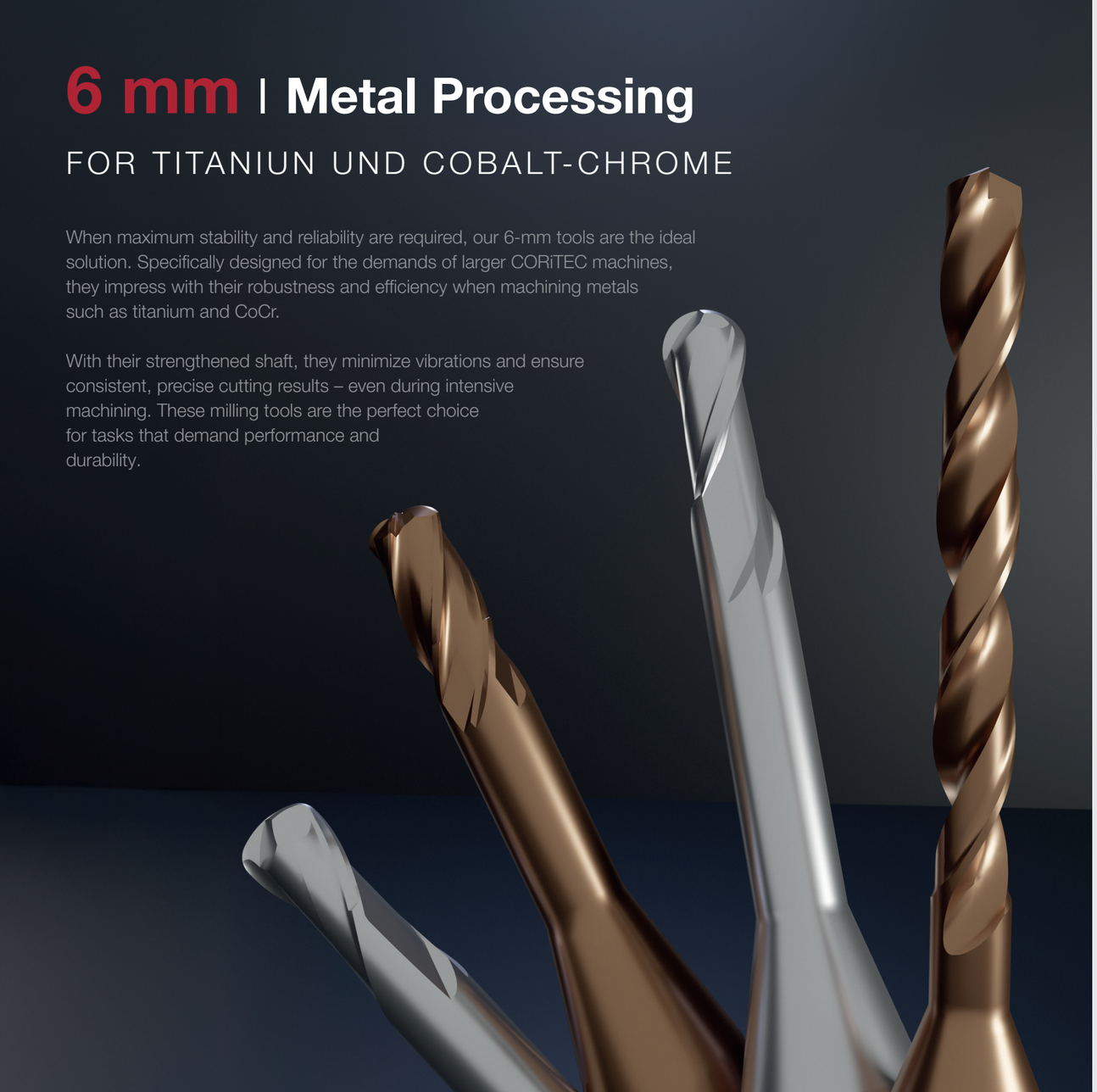


6 mm | Metal Processing

FOR TITANIUN UND COBALT-CHROME

When maximum stability and reliability are required, our 6-mm tools are the ideal solution. Specifically designed for the demands of larger CORiTEC machines, they impress with their robustness and efficiency when machining metals such as titanium and CoCr.

With their strengthened shaft, they minimize vibrations and ensure consistent, precise cutting results – even during intensive machining. These milling tools are the perfect choice for tasks that demand performance and durability.





T1 | T6 | ≤15mm

Ti | CoCr

T1/T6 - 3.0 I 6.0 mm
Radius Milling Tool short (l = 15mm)
Art.-No. 526029 3006



T2 | T7 | ≤15mm

Ti | CoCr

T2/T7 - 2.0 I 6.0 mm
Radius Milling Tool short (l = 12 mm)
Art.-No. 526029 2006



T3 | T8 | ≤15mm

Ti | CoCr

T3/T8 - 1.5 I 6.0 mm
Radius Milling Tool short (l = 12 mm)
Art.-No. 526029 1506



T4 | T9 | ≤15mm

Ti | CoCr

T4/T9 - 1.0 I 6.0 mm
Radius Milling Tool short (l = 9 mm)
Art.-No. 526029 1006



T5 | T10 | ≤15mm

Ti | CoCr

T5/T10 - 1.5 I 6.0 mm
Shaft Milling Tool short (l =12mm, four blades)
Art.-No. 526002 1506



T18 | ≤15mm

universal

T18 - 0.5 I 6.0 mm
Radius Milling Tool (l = 4 mm), universal
Art.-No. 526026 0506



T19 | ≤15mm

universal

T19 - 0.5 I 6.0 mm
Shaft Milling Tool (l = 4 mm), universal
Art.-No. 526001 0506



T20 | ≤15mm

Ti | CoCr

T20 - 0.6 I 6.0 mm
Radius milling Tool (conical)
Art.-No. 526003 0606



T26 | 16-20mm

Ti | CoCr

T26 - 3.0 I 6.0 mm
Radius Milling Tool long (l = 20 mm)
Art.-No. 526030 3006



T27 | 16-20mm

Ti | CoCr

T27 - 2.0 I 6.0 mm
Radius Milling Tool long (l = 16 mm)
Art.-No. 526030 2006



T28 | 16-20mm

Ti | CoCr

T28 - 1.5 I 6.0 mm
Radius Milling Tool long (l = 15 mm)
Art.-No. 526030 1506



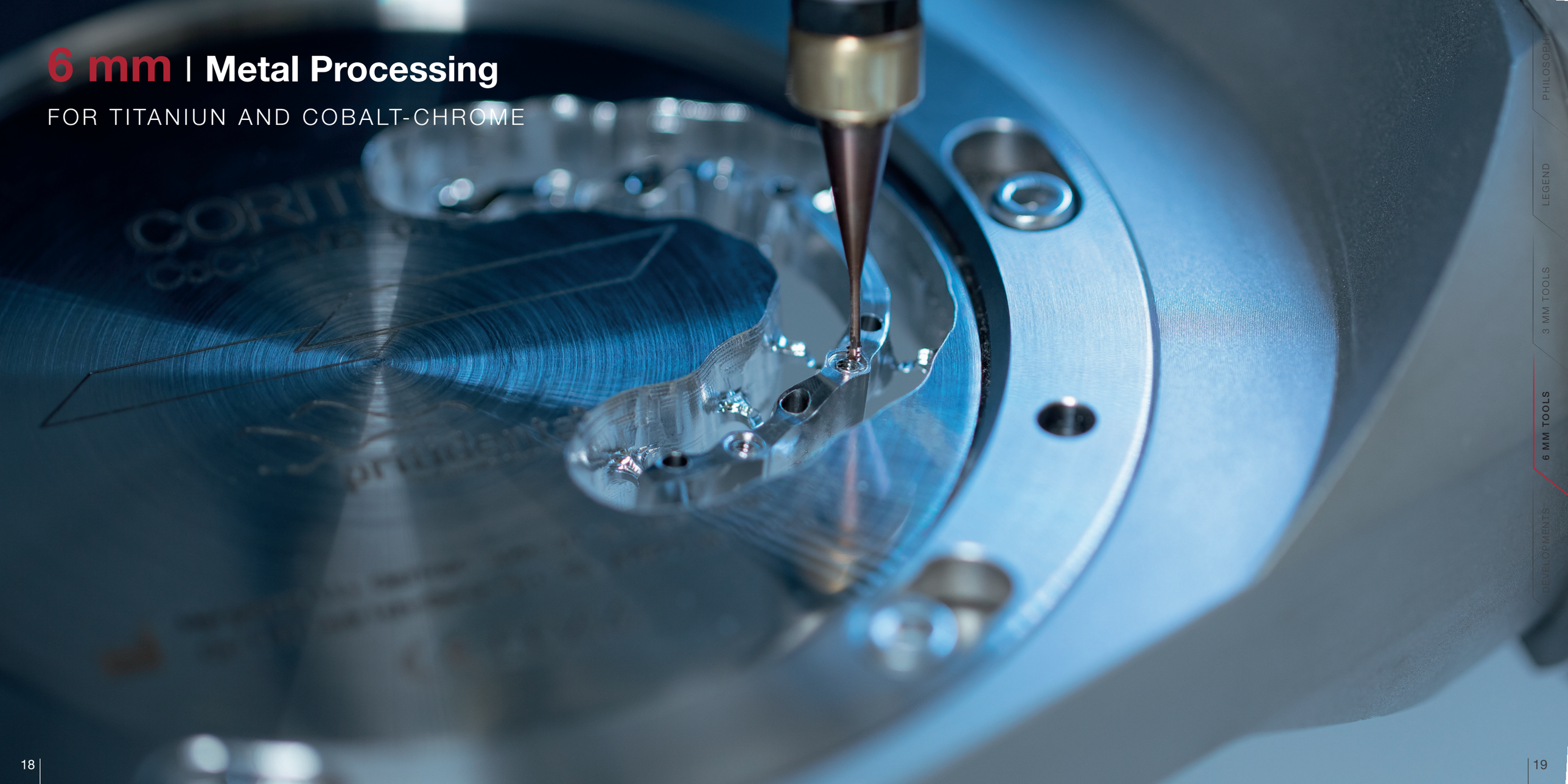
T29 | 16-20mm

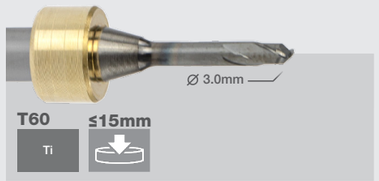
Ti | CoCr

T29 - 1.0 I 6.0 mm
Radius Milling Tool long (l = 11 mm)
Art.-No. 526030 1006

6 mm | Metal Processing

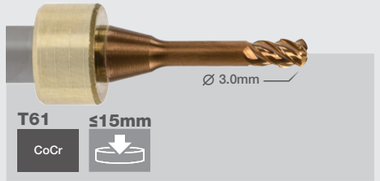
FOR TITANIUN AND COBALT-CHROME





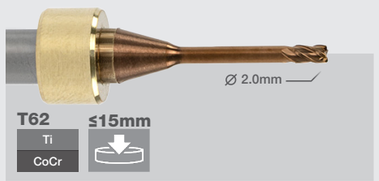
T60 ≤15mm
Ti

T60 - 3.0 l 6.0 mm
Highspeed Milling Tool short (l = 15 mm)
Art.-No. 530031 3006



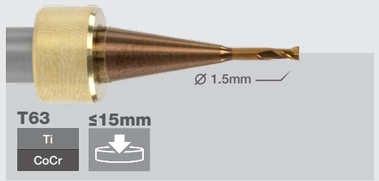
T61 ≤15mm
CoCr

T61 - 3.0 l 6.0 mm
Quattro Speed Milling Tool (l = 15 mm)
Art.-No. 526025 3006



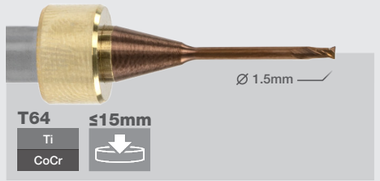
T62 ≤15mm
Ti
CoCr

T62 - 2.0 l 6.0 mm
Torus Milling Tool (r=0,2mm, l=16mm, four blades)
Art.-No. 526025 2006



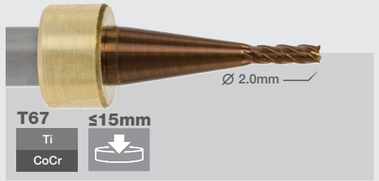
T63 ≤15mm
Ti
CoCr

T63 - 1.5 l 6.0 mm
Torus Milling Tool (r=0,08mm, l=7mm, two blades)
Art.-No. 526025 1506



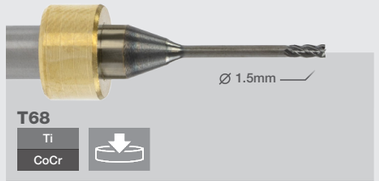
T64 ≤15mm
Ti
CoCr

T64 - 1.5 l 6.0 mm
Torus Milling Tool (r=0,08mm, l=15mm, two blades)
Art.-No. 526028 1506



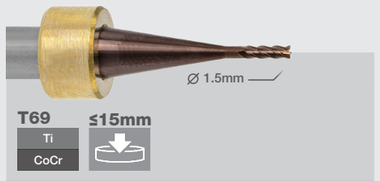
T67 ≤15mm
Ti
CoCr

T67 - 2.0 l 6.0 mm
Shaft Milling Tool short (l = 7 mm, four blades)
Art.-No. 526002 2006



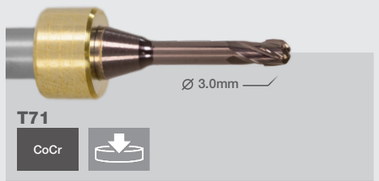
T68
Ti
CoCr

T68 - 1.5 l 6.0 mm
Shaft Milling Tool long (l = 15 mm, four blades)
Art.-No. 526021 1506



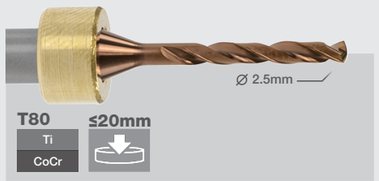
T69 ≤15mm
Ti
CoCr

T69 - 1.5 l 6.0 mm
Shaft Milling Tool short (l = 7 mm, four blades)
Art.-No. 530032 1506



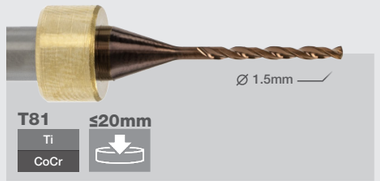
T71
CoCr

T71 - 3.0 l 6.0 mm
Ironbiter, Milling Tool (l = 15 mm)
Art.-No. 530025 3006



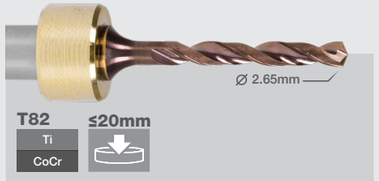
T80 ≤20mm
Ti
CoCr

T80 - 2.5 l 6.0 mm
Drilling Tool (l = 22 mm)
Art.-No. 526023 2506



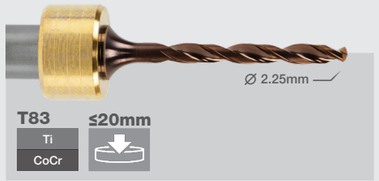
T81 ≤20mm
Ti
CoCr

T81 - 1.5 l 6.0 mm
Drilling Tool (l = 18 mm)
Art.-No. 526023 1506



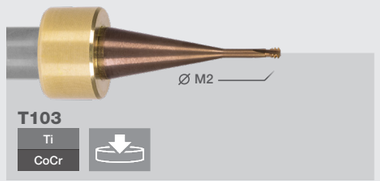
T82 ≤20mm
Ti
CoCr

T82 - 2.65 l 6.0 mm
Drilling Tool (l=21 mm)
Art.-No. 526031 26506



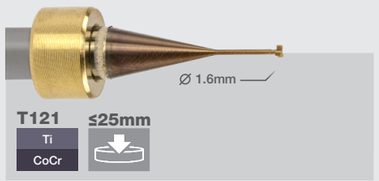
T83 ≤20mm
Ti
CoCr

T83 - 2.25 l 6.0 mm
Drilling Tool (l = 21 mm)
Art.-No. 526032 22506



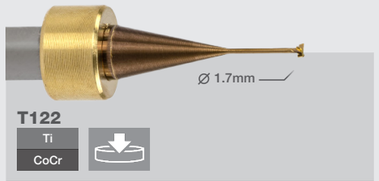
T103
Ti
CoCr

T103 - M2 l 6.0 mm
Thread Milling Tool
Art.-No. 526040 2006



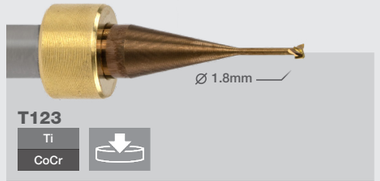
T121 ≤25mm
Ti
CoCr

T121 - 1.6x 0.7 l 6.0 mm
T-tool 90°(d = 0,65 mm, l= 7,5 mm, three blades)
Art.-No. 530040 1606



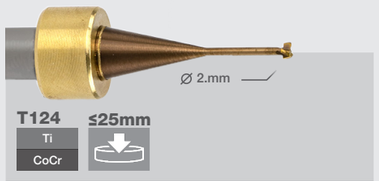
T122
Ti
CoCr

T122 - 1.7 x 0.7 l 6.0 mm
T-tool 90°(d= 0.65 mm, l= 8.0 mm, three blades)
Art.-No. 530040 1706



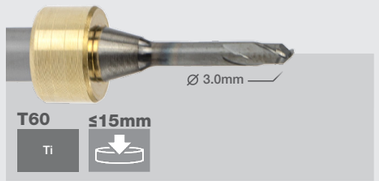
T123
Ti
CoCr

T123 - 1.8 x 1.0 l 6.0 mm
T-tool 90°(d= 0,9 mm, l= 7.1 mm, three blades)
Art.-No. 530040 1806



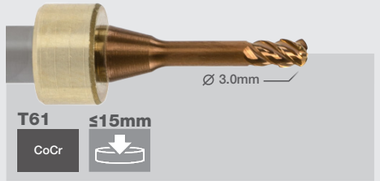
T124 ≤25mm
Ti
CoCr

T124 - 2.0 x 1.0 l 6.0 mm
T-tool 90°(d= 1.0 mm, l= 9.0 mm, three blades)
Art.-No. 530040 2006



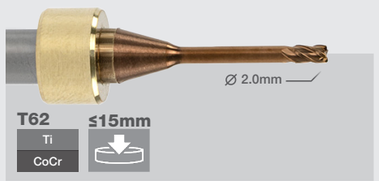
T60 ≤15mm
Ti

T60 - 3.0 I 6.0 mm
Highspeed Milling Tool short(l = 15 mm)
Art.-No. 530031 3006



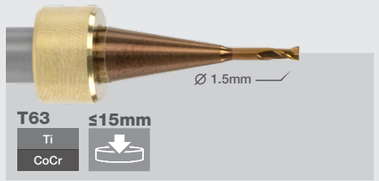
T61 ≤15mm
CoCr

T61 - 3.0 I 6.0 mm
Quattro Speed Milling Tool (l = 15 mm)
Art.-No. 526025 3006



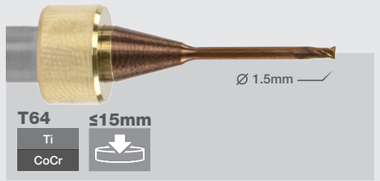
T62 ≤15mm
Ti
CoCr

T62 - 2.0 I 6.0 mm
Torus Milling Tool (r=0,2mm, l=16mm, four blades)
Art.-No. 526025 2006



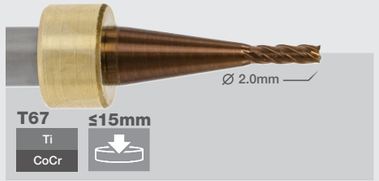
T63 ≤15mm
Ti
CoCr

T63 - 1.5 I 6.0 mm
Torus Milling Tool (r=0,08mm, l=7mm, two blades)
Art.-No. 526025 1506



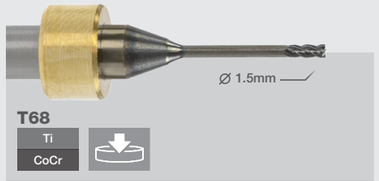
T64 ≤15mm
Ti
CoCr

T64 - 1.5 I 6.0 mm
Torus Milling Tool (r=0,08mm, l=15mm, two blades)
Art.-No. 526028 1506



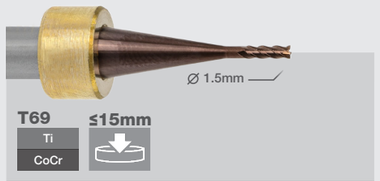
T67 ≤15mm
Ti
CoCr

T67 - 2.0 I 6.0 mm
Shaft Milling Tool short(l = 7 mm, four blades)
Art.-No. 526002 2006



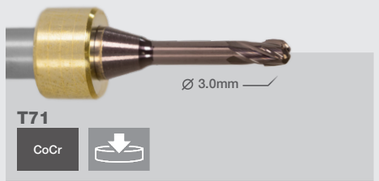
T68
Ti
CoCr

T68 - 1.5 I 6.0 mm
Shaft Milling Tool long (l = 15 mm, four blades)
Art.-No. 526021 1506



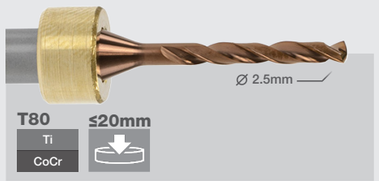
T69 ≤15mm
Ti
CoCr

T69 - 1.5 I 6.0 mm
Shaft Milling Tool short(l = 7 mm, four blades)
Art.-No. 530032 1506



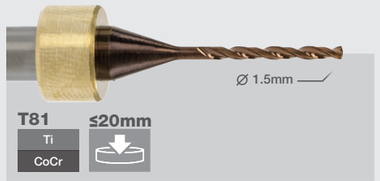
T71
CoCr

T71 - 3.0 I 6.0 mm
Ironbiter, Milling Tool (l = 15 mm)
Art.-No. 530025 3006



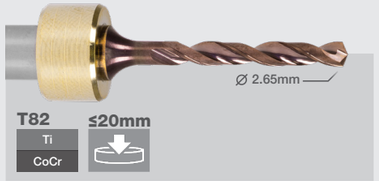
T80 ≤20mm
Ti
CoCr

T80 - 2.5 I 6.0 mm
Drilling Tool (l = 22 mm)
Art.-No. 526023 2506



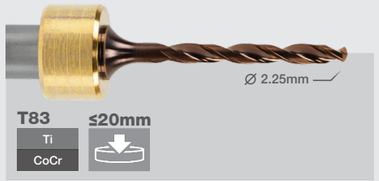
T81 ≤20mm
Ti
CoCr

T81 - 1.5 I 6.0 mm
Drilling Tool (l = 18 mm)
Art.-No. 526023 1506



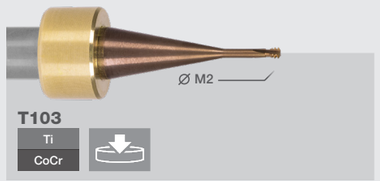
T82 ≤20mm
Ti
CoCr

T82 - 2.65 I 6.0 mm
Drilling Tool (l=21 mm)
Art.-No. 526031 26506



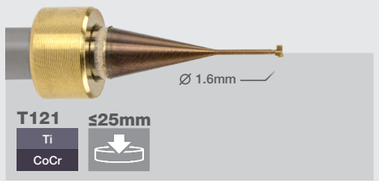
T83 ≤20mm
Ti
CoCr

T83 - 2.25 I 6.0 mm
Drilling Tool (l = 21 mm)
Art.-No. 526032 22506



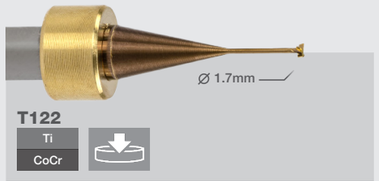
T103
Ti
CoCr

T103 - M2 I 6.0 mm
Thread Milling Tool
Art.-No. 526040 2006



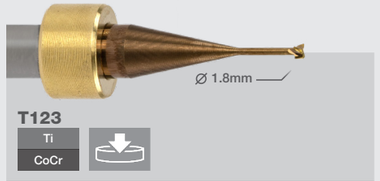
T121 ≤25mm
Ti
CoCr

T121 - 1.6x 0.7 I 6.0 mm
T-tool 90°(d = 0,65 mm, l= 7,5 mm, three blades)
Art.-No. 530040 1606



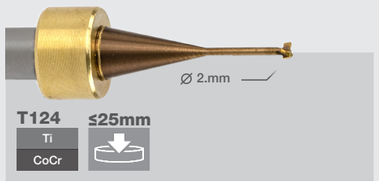
T122
Ti
CoCr

T122 - 1.7 x 0.7 I 6.0 mm
T-tool 90°(d= 0.65 mm, l= 8.0 mm, three blades)
Art.-No. 530040 1706



T123
Ti
CoCr

T123 - 1.8 x 1.0 I 6.0 mm
T-tool 90°(d= 0,9 mm, l= 7.1 mm, three blades)
Art.-No. 530040 1806



T124 ≤25mm
Ti
CoCr

T124 - 2.0 x 1.0 I 6.0 mm
T-tool 90°(d= 1.0 mm, l= 9.0 mm, three blades)
Art.-No. 530040 2006

6 mm | Grinding Tools

FOR GLASS-CERAMICS SUCH AS LITHIUM DISILICATE AND FELDSPAR CERAMICS

Our grinding tools feature electroplated coatings specifically designed for the machining of glass ceramics. The diamond grit is precisely tailored in size and shape to the specific application, as is the concentration of diamonds. A robust carbide substrate provides additional stability and ensures a long service life. This results in maximum efficiency and precision, making these tools ideal for use with demanding materials – perfect for dental and laboratory applications.



T21

glass ceramics

T21 - 2.5 I 6.0 mm
Radius Grinding Tool (diamond)
Art.-No. 526005 2506



T22

glass ceramics

T22 - 1.0 I 6.0 mm
Radius Grinding Tool (diamond)
Art.-No. 526005 1006



T23

glass ceramics

T23 - 0.6 I 6.0 mm
Radius Grinding Tool (conical, diamond)
Art.-No. 526005 0606



T24

glass ceramics

T24 - 1.5 I 6.0 mm
Radius Grinding Tool (diamond)
Art.-No. 526005 1506



Developments

DISCOVER OUR NEW TOOLS



Smoother running behavior, faster roughing & avoidance of material adhesion

Ideal for dentures



NEW

Milling tool

PMMA
WAX

T36 – 4.0 | 6.0 mm



Special application for metal processing

Fast and precise processing of drill channels



NEW

Drilling tool

Ti
CoCr

T82 – 2.65 | 6.0 mm
T83 – 2.25 | 6.0 mm

Enables the machining of
extra-long screw channels
(up to 20 mm)



NEW

Torus Milling tool

PMMA
WAX
Zr

T37 – 1.5 | 6.0 mm
1.5 | 3.0 mm



Relieves 1 mm tool
effectively

More precise
screw channels



Perfect for
- All glass materials
- Hybrid ceramics
- Sintered zirconia

NEW

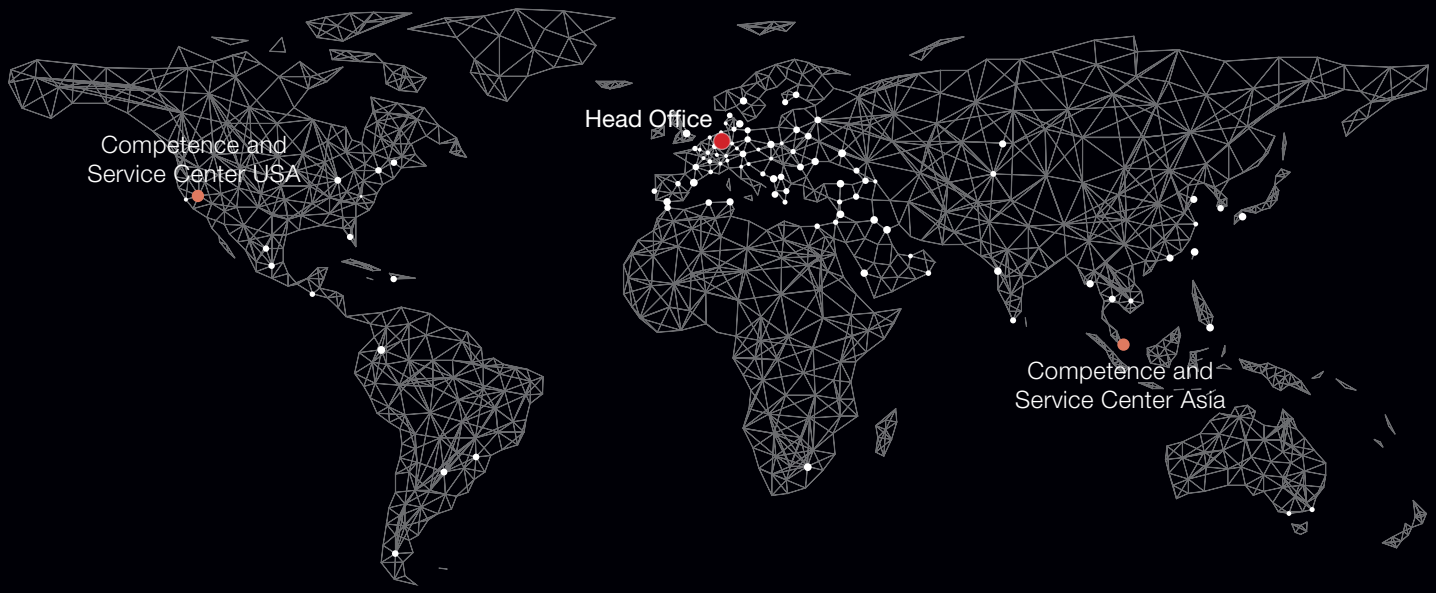
Grinding tool

glas-
ceramics

T24 – 1.5 | 6.0 mm

Global Support

SALES AND SUPPORT PARTNERS IN OVER 100 COUNTRIES



Since 2002, imes-icore® has been a leader in CAD/CAM systems for the dental industry. With customized solutions for laboratories, milling centers and dental practices of all sizes, we offer high-performance milling and grinding systems. Our open system philosophy guarantees easy integration into existing workflows.

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