



# PRIMA DIGITAL

## **A better fit**

High performance milling tools  
designed and engineered  
specifically for digital  
dentistry





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# Introduction to Prima Digital

Prima Dental is the only UK bur manufacturer with over 150 years of heritage in dental manufacturing, 90 of those in bur manufacture. We have the most advanced, efficient, flexible and accurate grinding machines in the dental bur business, selling our products to over 90 countries worldwide.

We have 250 employees based here at our Headquarters in Gloucester, UK

Over the past 3 years we have invested over £15m in technology which has created a new factory, a research and innovation centre, training facilities and generated our second Queens award.

Dr Marilyn Goh was appointed and £1m was allocated to our newest division Prima Digital, and from this we have produced a range of select milling tools with unparalleled precision and performance, and more importantly saves our customers money.

## Digital Proposition

Our coated and uncoated tools ensure a longer lifespan than market leaders. The carefully selected tool substrate differs slightly between our coated and uncoated tools to ensure optimum performance from both.

So robust our testing, we are confidently able to say we can offer a considerable saving per restoration compared to market leaders.

**"We're incredibly proud of what we've achieved. Our tools are so precise that the pin-point accuracy ensures results revealing a more exact restoration, a 29% better performance of uncoated tools and up to 40% cost saving per restoration over market leaders on our coated ranges."**

*Dr Marilyn Goh (PhD)*



# Coated performance



## Our tools ensure efficient cutting and a lower cutting force.

We selected CVD (Chemical Vapor Deposition) coating for our tools. It is a single coating with multiple layers of diamonds, for maximum hardness.

Precise processes and tolerances ensure consistent quality of all milling tools in our new purpose built factory.

**"The Prima Digital tool lasts 33% longer"**

Up to 40% cost reduction per restoration.

Superior CVD diamond coating.

**Selected carbide grade excellent for diamond adhesion**

858 crowns milled in 357.5 hours.

**10x**  
more diamond thickness on our coating than competitors

# Uncoated performance

*Sae nosaerio berovidem inctur Eculpar chillupiet es eos accatur siminci blab.*

We understand the implication of tool life on the financial bottom line. This is why our tools have been designed to last longer resulting in a lower cost per restoration.

**29%**  
more milled restorations

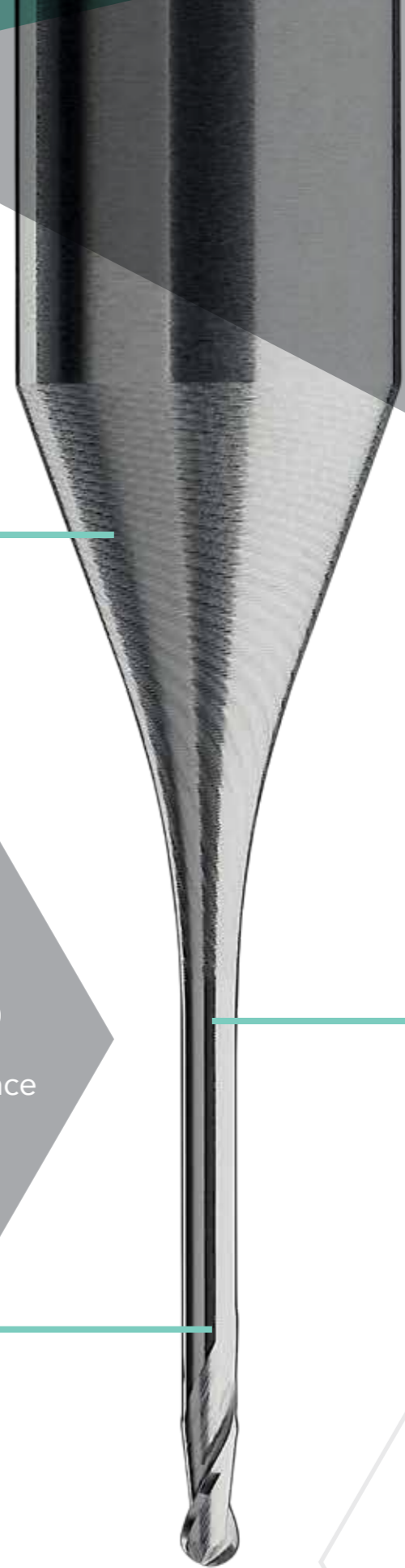


Slow wear out rate.

**29%**  
improved performance compared to the market leader

Multi fluted, patent pending geometry.

30% harder carbide for uncoated tools.

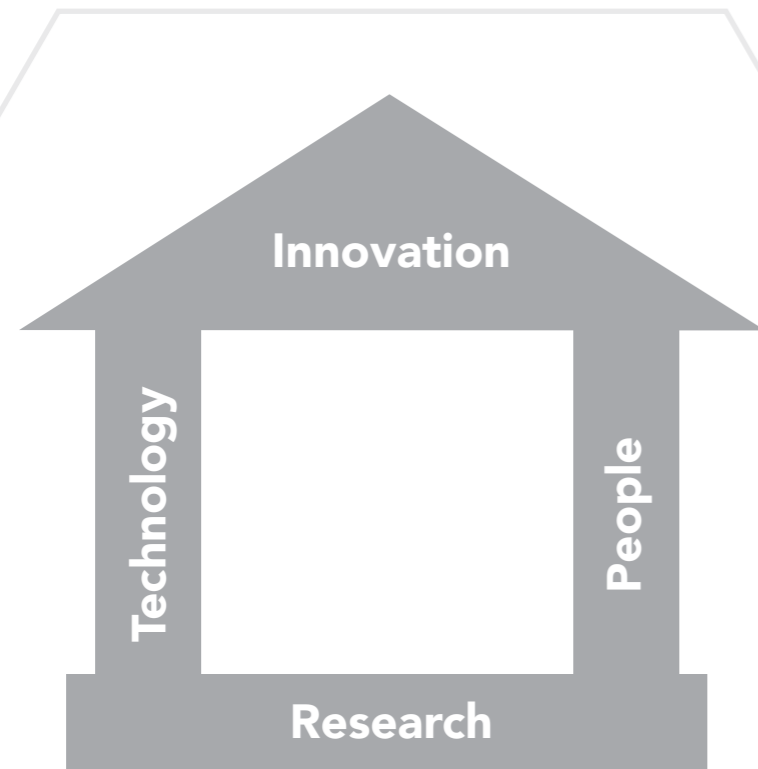


# Research and Innovation

**Prima Innovation is founded on solid research supported by advanced technology and the know-how of researchers with future thinking.**

For Prima, Research & Innovation in dental milling tools means understanding customer needs, dental materials, tool materials, tool coating, relevant standards and manufacturing advancement.

Innovation does not come out of the blue. It is borne from an understanding of the subject matter through thorough research to generate "out-of-the-box" solution.



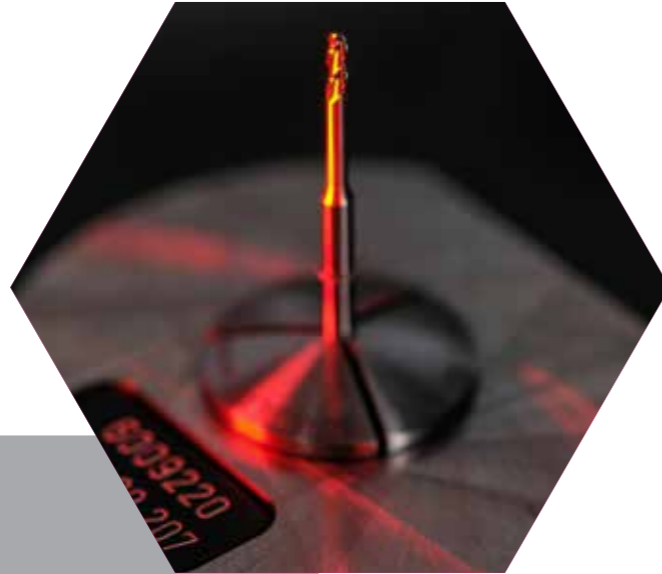
**We innovate  
for your needs**



# Ranges

Our ranges have been precision engineered to out perform milling tool market leaders. By taking into account the design and substrate our tools have a milling life expectancy 29% longer than competitors for uncoated tools and 33% longer for coated tools.

Wet and dry milling does not limit our tool usage as long as they are used for pre-sintered zirconia.



**Fit for  
pre-sintered  
zirconia**

# Roland

Our Fit for Roland range is designed to outperform market leaders when used in Roland dry milling machines.

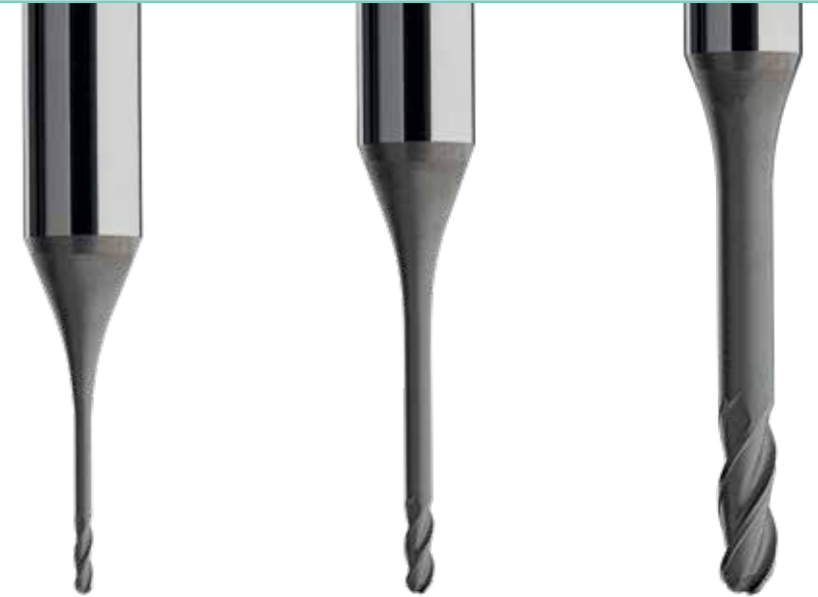
**29%**  
longer tool life



Machine Make/Model	Prima Tool
Amann Girrbach	AG 0.6, 1.0 & 2.5MM
VHF	VHF 0.6, 1.0 & 2.0mm
Wieland	Wieland 0.7, 1.0 & 2.5mm
Roland	Roland 0.6, 1.0 & 2.0mm
Charly Dental CD50	Roland 0.6mm, 1.0mm, 2.0mm*
Jensen M205 & M205-X	VHF 0.6, 1.0 & 2.0mm
Talldium MasterMill	VHF 0.6, 1.0 & 2.0mm*
Straumann Cares M-Series	AG 0.6, 1.0 & 2.5MM*
Imes i-core	No Current tool
Sirona	No Current Tool
Ivoclar Programill	No Current tools

\*Other tools available in machine manufacturer range outside of these tools

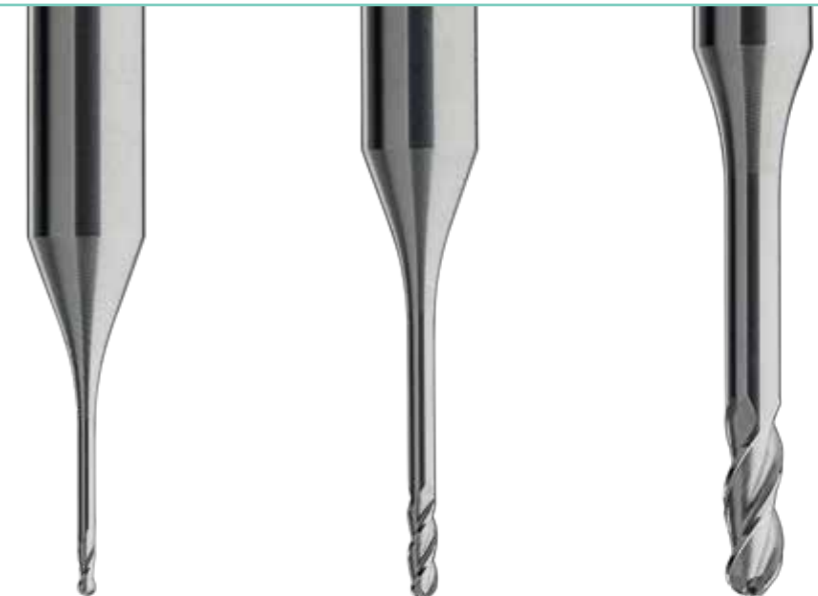
Coated



Roland  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2mm
Finish	Coated	Coated	Coated
Shank Diameter	Ø4mm	Ø4mm	Ø4mm
Head Length	7mm	10mm	15mm
Head and Neck Length	13mm	15.5mm	19.5mm
Overall Length	50mm	50mm	50mm
Cutting Parameter			

Uncoated



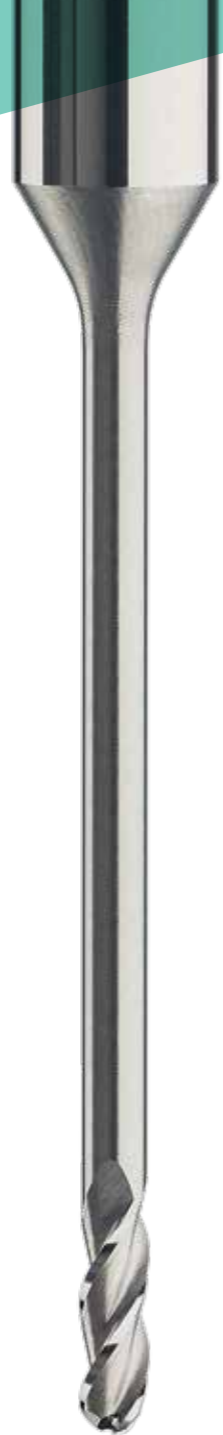
Roland  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2mm
Finish	Uncoated	Uncoated	Uncoated
Shank Diameter	Ø4mm	Ø4mm	Ø4mm
Head Length	7mm	10mm	15mm
Head and Neck Length	13mm	15.5mm	19.5mm
Overall Length	50mm	50mm	50mm
Cutting Parameter			



Wet and dry does not limit VHF tool usage as long as they are used for pre-sintered zirconia.

29%  
longer tool life



Machine Make/Model	Prima Tool
Amann Girrbach	AG 0.6, 1.0 & 2.5MM
VHF	VHF 0.6, 1.0 & 2.0mm
Wieland	Wieland 0.7, 1.0 & 2.5mm
Roland	Roland 0.6, 1.0 & 2.0mm
Charly Dental CD50	Roland 0.6mm, 1.0mm, 2.0mm*
Jensen M205 & M205-X	VHF 0.6, 1.0 & 2.0mm
Talldium MasterMill	VHF 0.6, 1.0 & 2.0mm*
Straumann Cares M-Series	AG 0.6, 1.0 & 2.5MM*
Imes i-core	No Current tool
Sirona	No Current Tool
Ivoclar Programill	No Current tools

\*Other tools available in machine manufacturer range outside of these tools

Coated



vhf  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2mm
Finish	Coated	Coated	Coated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm
Head Length	3mm	16mm	16mm
Head and Neck Length	9.5mm	18mm	18mm
Overall Length	40mm	40mm	40mm
Cutting Parameter			

Uncoated



vhf  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2mm
Finish	Uncoated	Uncoated	Uncoated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm
Head Length	3mm	16mm	16mm
Head and Neck Length	9.5mm	18mm	18mm
Overall Length	40mm	40mm	40mm
Cutting Parameter			

CirClip present on all Milling Tools

# Amann Girrbach

Wet and dry does not limit Amman Girrbach tool usage as long as they are used for pre-sintered zirconia.

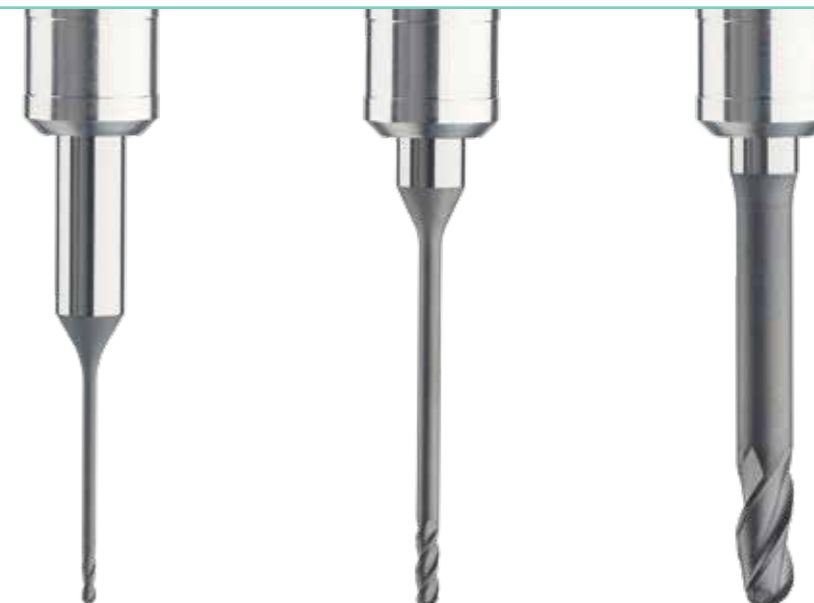
**29%**  
longer tool life



Machine Make/Model	Prima Tool
Amann Girrbach	AG 0.6, 1.0 & 2.5MM
VHF	VHF 0.6, 1.0 & 2.0mm
Wieland	Wieland 0.7, 1.0 & 2.5mm
Roland	Roland 0.6, 1.0 & 2.0mm
Charly Dental CD50	Roland 0.6mm, 1.0mm, 2.0mm*
Jensen M205 & M205-X	VHF 0.6, 1.0 & 2.0mm
Talldium MasterMill	VHF 0.6, 1.0 & 2.0mm*
Straumann Cares M-Series	AG 0.6, 1.0 & 2.5MM*
Imes i-core	No Current tool
Sirona	No Current Tool
Ivoclar Programill	No Current tools

\*Other tools available in machine manufacturer range outside of these tools

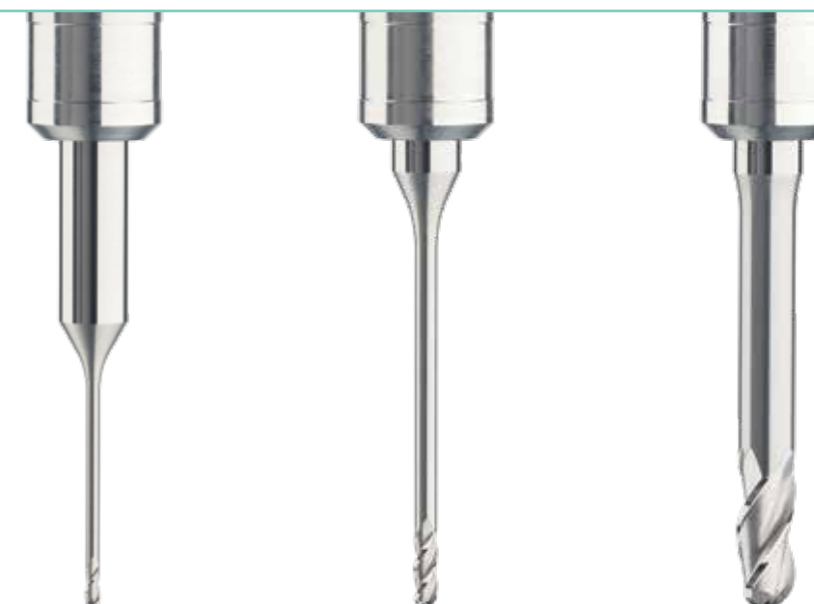
Coated



Amann Girrbach  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2.5mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2.5mm
Finish	Coated	Coated	Coated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm
Head Length	10mm	16mm	17.5mm
Head and Neck Length	13mm	19mm	19mm
Overall Length	47mm	47mm	47mm
Cutting Parameter			

Uncoated



Amann Girrbach  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø1mm	Ø2mm
Head Diameter	Ø0.6mm	Ø1mm	Ø2mm
Finish	Uncoated	Uncoated	Uncoated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm
Head Length	3mm	16mm	16mm
Head and Neck Length	9.5mm	18mm	18mm
Overall Length	40mm	40mm	40mm
Cutting Parameter			

# Wieland

Wet and dry does not limit Wieland tool usage as long as they are used for pre-sintered zirconia.

**29%**  
longer tool life

Machine Make/Model	Prima Tool
Amann Girrbach	AG 0.6, 1.0 & 2.5MM
VHF	VHF 0.6, 1.0 & 2.0mm
Wieland	Wieland 0.7, 1.0 & 2.5mm
Roland	Roland 0.6, 1.0 & 2.0mm
Charly Dental CD50	Roland 0.6mm, 1.0mm, 2.0mm*
Jensen M205 & M205-X	VHF 0.6, 1.0 & 2.0mm
Talldium MasterMill	VHF 0.6, 1.0 & 2.0mm*
Straumann Cares M-Series	AG 0.6, 1.0 & 2.5MM*
Imes i-core	No Current tool
Sirona	No Current Tool
Ivoclar Programill	No Current tools

\*Other tools available in machine manufacturer range outside of these tools

Coated

Wieland  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø0.7mm	Ø1mm	Ø2.5mm
Head Diameter	Ø0.6mm	Ø0.7mm	Ø1mm	Ø2.5mm
Finish	Coated	Coated	Coated	Coated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm	Ø3mm
Head Length	3mm	3mm	16mm	20mm
Head and Neck Length	9.5mm	9.5mm	18mm	20.75mm
Overall Length	40mm	40mm	40mm	40mm
Cutting Parameter				

Uncoated

Wieland  
DWX-52DCi  
DWX-52D  
DWX-42W  
DWP-80s  
DWX-4

	Ø0.6mm	Ø0.7mm	Ø1mm	Ø2.5mm
Head Diameter	Ø0.6mm	Ø0.7mm	Ø1mm	Ø2.5mm
Finish	Uncoated	Uncoated	Uncoated	Uncoated
Shank Diameter	Ø3mm	Ø3mm	Ø3mm	Ø3mm
Head Length	3mm	3mm	16mm	20mm
Head and Neck Length	9.5mm	9.5mm	18mm	20.75mm
Overall Length	40mm	40mm	40mm	40mm
Cutting Parameter				

CirClip present on all Milling Tools

# Sample pack

**Our sample packs are available for all ranges. You will receive a presentation box completed with a full range of tools sizes so you are able to comprehensively test the range.**

You will also receive a Prima Digital USB flash drive. On the drive is further information surrounding our internal testing, a Prima Digital information video, tool set downloads if required and our tool evaluation link.

Contact your Account Manager today to order your pack.

[sales@primadigital.com](mailto:sales@primadigital.com)

**Order your  
sample pack  
today.**



