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The most legendary contra-angles

in the world from W&H

synea



The premium straight and contra-angle handpieces
from W&H

People have Priority:
To make it easier to select one of our Synea straight and contra-angle handpieces, we listened to your requirements and have developed two lines perfectly suited to your needs. Synea Vision: with innovations such as special scratch-resistant coating. Synea Fusion: a series with top quality and maximum economy.

synea VISION

The instrument line for the highest demands. Customised straight and contra-angle handpieces with maximum precision, elegance and performance.

synea FUSION

The efficient and economical solution. Straight and contra-angle handpieces with the well-known Synea quality have never been so affordable!

VISION
FUSION

Two instrument lines
Synea is available in Vision and Fusion lines.



Quiet
Noticeably quieter – thanks to gearing technology.



Monoblock design
Ergonomics cast from a single piece – for optimal hygiene.



Customised production
Different head sizes for optimal access options.

Made in AUSTRIA



Synea Vision Short Edition
The short route to better ergonomics.



Synea Power Edition
For the hardest materials.

Synea Vision:
the ultimate straight and contra-angle handpieces

A range for all applications: W&H has developed a range of top quality instruments with the Synea Vision line. Two high-speed head sizes are available for surprising access options. And a special coating improves aesthetics even more – and extends their life.

Instruments for the future
- Different head sizes
- Perfect ergonomics and quiet operation
- Lasting quality
- Scratch-resistant surface
- Long service life
- 36 months warranty



Excellent preparation results
with outstandingly quiet operation and optimised head sizes.



Small heads
Two high-speed head sizes and the world's lowest head height among slow-speeds. Also ideal for patients with limited access.



Scratch-resistant surface
A special coating resists signs of wear – for long-lasting aesthetics and pleasure equal to that experienced on the first day.



5x spray
The 5x spray for high-speed contra-angle handpieces ensures even cooling of the treatment site under all conditions.



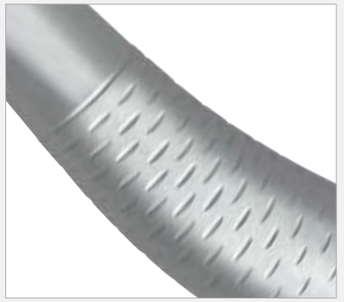
Versatile range
The right straight or contra-angle handpiece for every application – in Synea quality!

Synea Vision Short Edition:
the perfect balance between power and ergonomics

The Synea Vision Short Edition makes the treatment process considerably easier due to the reduction in weight and length. Choose from the classic range of high and slow-speeds. The perfect balance between ergonomics and power when combined with the ultra-short micromotor EM-12 L.



Small but powerful
The micromotor EM-12 L with LED for bright as daylight illumination of the treatment area.



Scratch-resistant surface
even on the small Synea Vision contra-angle handpieces.



Best results
due to easy access and small head sizes.



Contra-angle handpieces for all situations
The Synea Vision Short Edition in the classic range and with two different head sizes for high-speeds.

Perfect balance
Fit perfectly in your hand: the contra-angle handpieces of the Short Edition.



The contra-angle handpieces of the Synea Vision Short Edition can be used on micromotors with an ISO coupling length of 23 mm or less. Please check compatibility with your existing micromotors. Your specialist consultant will be glad to assist you.

Synea Power Edition:
High-performance handpieces for high-strength materials

With the special Synea 900-series, W&H has designed three extra powerful speed-increasing transmission instruments. The premium line of the Synea range – the Synea Vision – is complemented with the WK-900 LT, while the Synea Fusion portfolio is reinforced with the WG-900 A and the WG-900 LT.

extra precise
with adapted head design for better bur guidance

extra robust
for less service costs

extra tough
for the removal of high-strength materials

extra solid
chucking system with more than 20% more clamping force





extra easy
bur changes with unique and distinctive black push-button design

extra strong
with more torque and better removal rate

extra durable
with at least 20% extended lifetime

Synea Vision:
Technical data





Types with light: (compact glass rod)	WK-900 LT	WK-99 LT WK-99 LT S	WK-93 LT WK-93 LT S
Head size:	Ø 10.7 mm	Ø 9.5 mm	Ø 9.1 mm
Head height: with 19 mm (FG bur) or 22.5 mm (Contra-angle handpiece bur):	22.9 mm	22.3 mm	22 mm
Rotary instruments:	FG bur		
Max. operating part diameter:	Ø 2.5		Ø 2
Max. length:	25 mm		21 mm
Transmission ratio:	1:4	1:5	1:4.5
Spray:	3×	5×	
Indications:	› Crown and cavity preparations › Removing fillings and metal	› Crown and cavity preparations › Trephining › Resections › Finishing › Removing fillings and metal	

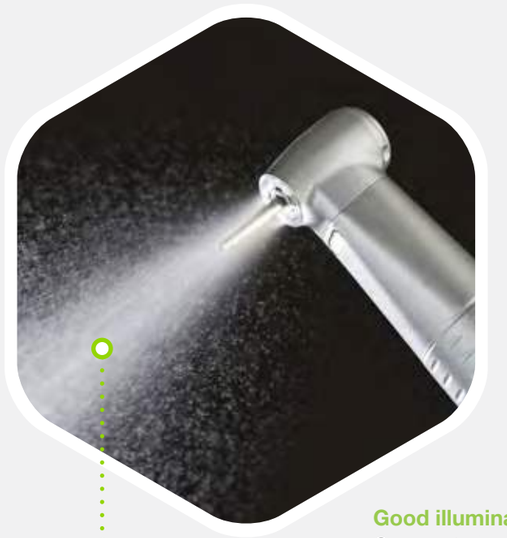





Types with light: (compact glass rod)	WK-86 LT	WK-66 LT WK-66 LT S	WK-56 LT WK-56 LT S	HK-43 LT
Head size:	Ø 9.5 mm			–
Head height: with 19 mm (FG bur) or 22.5 mm (Contra-angle handpiece bur):	24.1 mm			–
Rotary instruments:	Contra-angle handpiece bur			Straight and contra-angle handpiece burs
Max. operating part diameter:	–			–
Max. length:	34 mm			34 mm
Transmission ratio:	8:1	2:1	1:1	1:1
Spray:	1×			
Indications:	› Excavating › Preparations close to the pulp › Root canal filling › Cementing	› Excavating › Preparations close to the pulp › Finishing	› Cavity preparations › Trephining › Resections › Separating › Finishing of cavity margins and fillings	› Preparing › Separating › Trephining › Resections in anterior area › Minor technical procedures

Synea Fusion:
Ultimate price-performance ratio

Proven Synea quality has never been so economical: With the Synea Fusion line W&H has developed a range of instruments in which economy is as important as quality.



Good illumination
Compact glass rod for good illumination of the treatment site.



Optimal cooling from four sides
Continuous cooling with 4x spray for high-speed contra-angle handpieces.



Small head
Best visibility and optimal access thanks to small head sizes.

Quality that pays for itself
- Proven Synea quality
- Maximum efficiency in use
- Uncompromising user comfort



Optimised grip profile
for secure grip and optimum hygiene.



Special instruments
Special reciprocating contra-angle handpieces for areas that are difficult to access.

Synea Fusion:
Technical data






Types with light: (compact glass rod)	WG-900 LT	WG-99 LT	WG-69 LT	WG-67 LT
Types without light:	**WG-900 A**	**WG-99 A**	**WG-69 A**	**WG-67 A**
Head size:	Ø 10.7 mm	Ø 9.5 mm	Ø 10 mm	Ø 8.2 mm
Head height: with 19 mm (FG bur) or 22.5 mm (Contra-angle handpiece bur):	22.9 mm	22.3 mm	–	
Rotary instruments:	FG bur		Stroke 0.9 for Intensiv files	Stroke 1.1 for Dentatus tips
Max. operating part diameter:	Ø 2.5		defined by the available files and tips	
Max. length:	25 mm			
Transmission ratio:	1:4	1:5	2:1	
Spray:	3×	4×	1×	
Indications:	› Crown and cavity preparations › Removing fillings and metal	› Crown and cavity preparations › Trephining › Resections › Finishing › Removing fillings and metal	› Finishing of interproximal and subgingival areas and cavity margins › Chamfering of the preparation edges and of cavities › Removal of sub gingival plaque › Stripping in orthodontics › Max. rotational speed 40,000 rpm	› Removal of excess materials › Prepolishing › Fine polishing › Buffing in the interdental and subgingival areas › Max. rotational speed 20,000 rpm





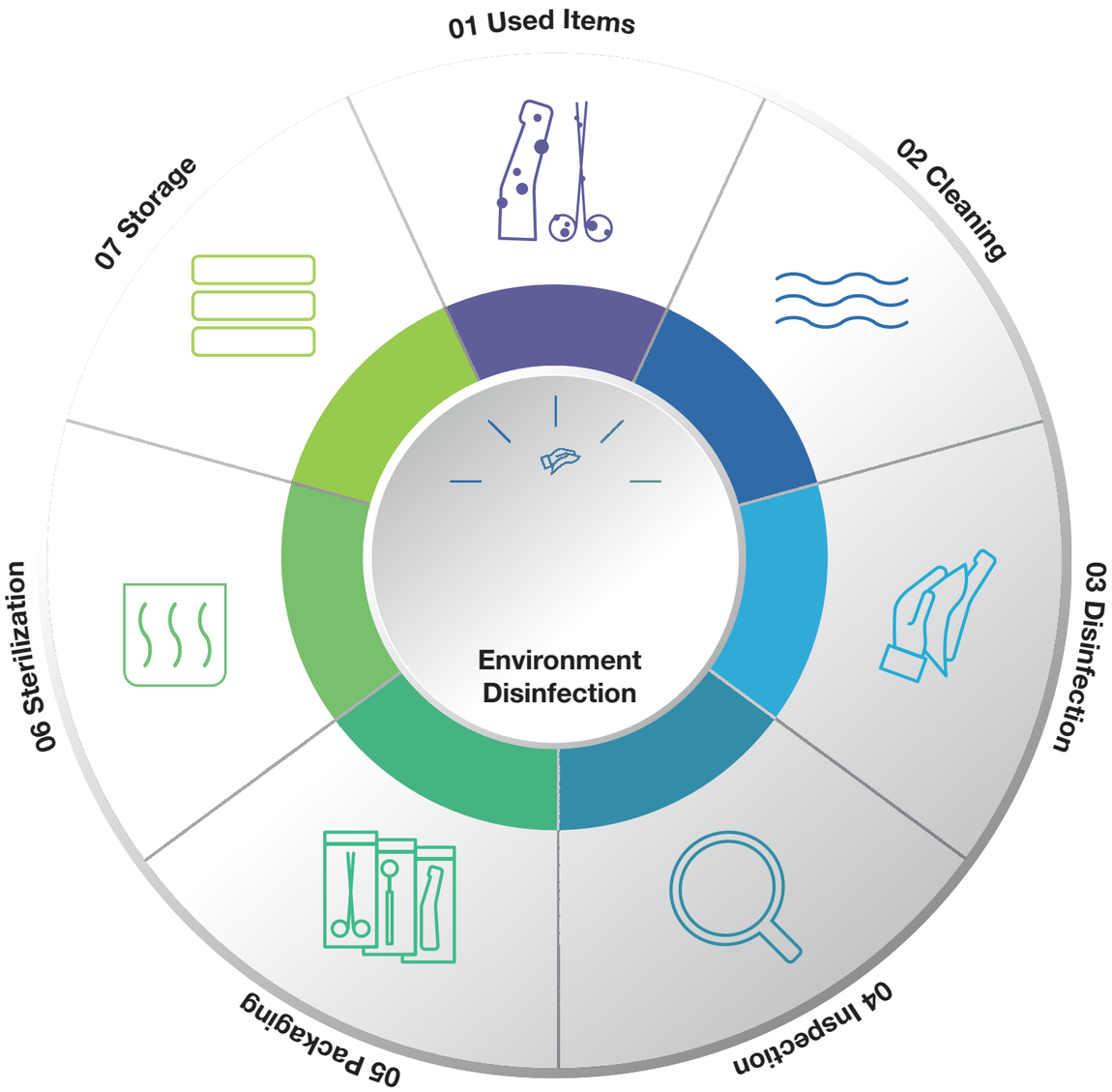

Types with light: (compact glass rod)	WG-66 LT	WG-57 LT	WG-56 LT	
Types without light:	**WG-66 A**		**WG-56 A**	**HG-43 A**
Head size:	Ø 9.5 mm			–
Head height: with 19 mm (FG bur) or 22.5 mm (Contra-angle handpiece bur):	24 mm	22.9 mm	24.1 mm	–
Rotary instruments:	Contra-angle handpiece bur	FG bur	Contra-angle handpiece bur	Straight and contra-angle handpiece burs
Max. operating part diameter:	–	Ø 2.5	–	
Max. length:	34 mm	25 mm	34 mm	
Transmission ratio:	2:1	1:1		
Spray:	1×			
Indications:	› Excavating › Preparations close to the pulp › Finishing	› Removal of decayed materials › Crown and cavity preparations › Removal of fillings › Finishing and polishing of tooth and restoration surfaces	› Crown and cavity preparations › Trephining › Resections › Separating › Finishing of cavity margins and fillings	› Preparing › Separating › Trephining › Resections in anterior area › Minor technical procedures

W&H AIMS
Safety first!

Hygiene is extremely important in the dental practice. W&H AIMS is here to help: with a wide product portfolio, fundamental knowledge and all relevant information at a glance.

For your safety and the safety of your patients. **aims.wh.com**

aims Advanced **Infection Prevention** Management Solutions



Decontamination **Cleaning** **Disinfection** **Inspection & Maintenance** **Packaging** **Sterilization** **Traceability & Storage**

The most successful contra-angles

in the world from W&H



Pictures are for illustrative purposes only. Additional equipment and accessories shown are not included as standard.

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