

Perfect system solutions for implantology

The revolution begins in the head




Successful implantation.
The true innovations are in the details.

Implantology treatments are sure to succeed – when practical expertise is combined with the new generation of surgical contra-angle handpieces WS-75 E/KM and WI-75 E/KM.

Many years of research into applications forms the basis of numerous innovations which ensure optimal results during and after the dental procedure.

The surgical contra-angle handpieces WS-75 E/KM and WI-75 E/KM are the perfect partners for Implantmed and Elcomed.



*Hexagon chucking system for
the safety of applications
with high torques!*

Play it safe.

The W&H hexagon chucking system.

Deformations and blockages are a thing of the past!
The hexagon chucking system of the surgical contra
angle handpiece – patent pending – ensures an
uninterrupted and safe course of treatment.

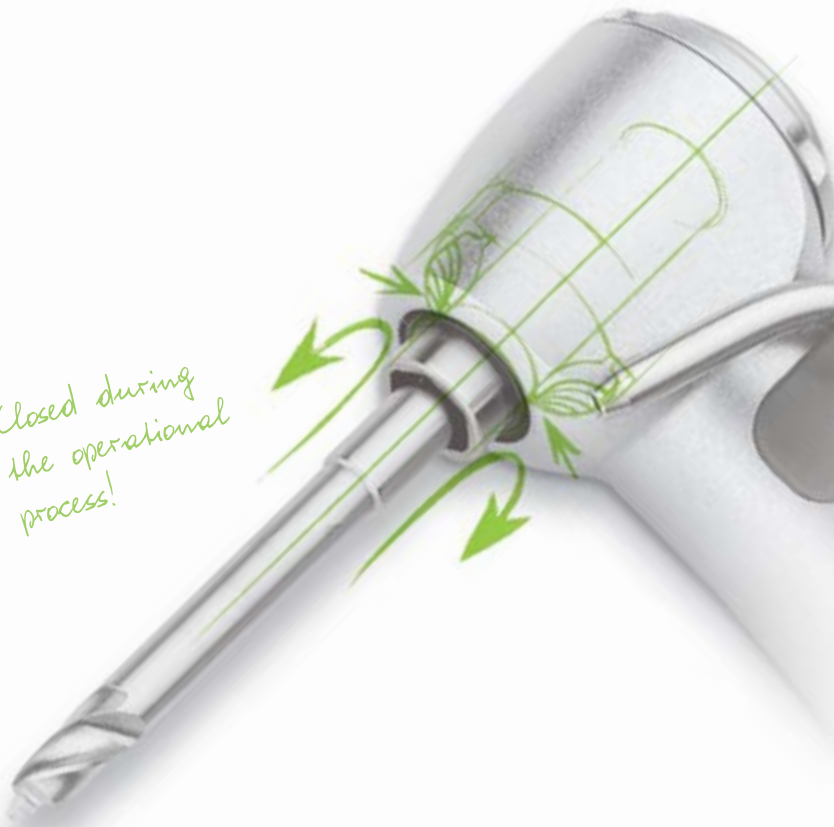
It is of course still compatible with existing bur and
drilling instruments. Top-level user safety is achieved
due to improved power transmission at high torques.



Savvy with seal.

The sealing system with locking effect.

*Closed during
the operational
process!*



W&H knows how to prevent leaks! The sliding lip seal is the core component of the new sealing system. On the one hand, it **protects** the interior of the instrument head **from the penetration of dirt particles** – on the other hand, it allows **excess oil** to escape under low pressure.



Simple concept – sustained efficiency.

A design innovation! The planetary drive, with the ball bearings in the middle drive and top drive and a special gearing create a **constant torque**. Precision engineering ensure a quality product with **maximum efficiency**.



Interior view of the planetary drive
with planet wheels



Planetary drive with ball bearings



Middle drive with ball bearings

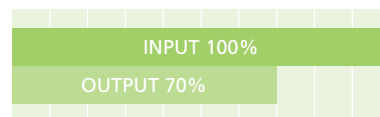


No one can keep up!

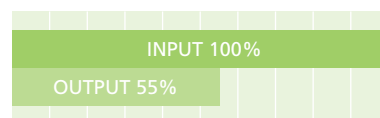
Unbeatable output is assured by W&H's expertise in instrument design.



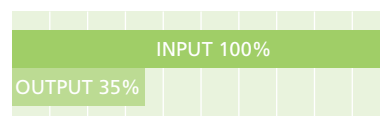
Precision tooth system in the head



Contra-angle handpiece WS-75 E/KM with ball bearings



Traditional contra-angle handpiece with ball bearings



Traditional contra-angle handpiece with slide bearings



The principle of endurance.

Continuous power, even under harsh conditions – endurance is a characteristic of the elite. It is just one of the most impressive features of the innovative contra-angle handpieces WS-75 E/KM and WI-75 E/KM. They provide a constant, high-level of efficiency and stable torque – for many, many years. It therefore makes sense for them to have become distinguished in an area such as implantology where precision and safety are of paramount importance.



Innovative details for convenient implants.

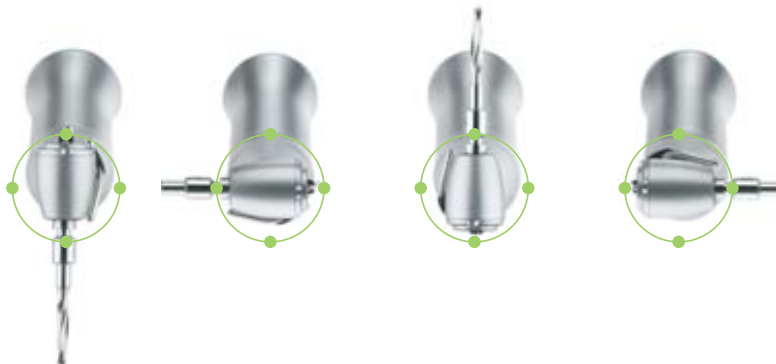


So easy to dismantle!

Clean and maintain right up to the last corner. The WS-75 E/KM can be dismantled into 7 parts and easy reassembled without the need for tools. This makes optimum maintenance considerably easier.

Always and everywhere in the right place!

The head of the WS-75 E/KM can be adjusted at 90° steps, making it easier to reach hard-to-access preparation areas.





Small head with guaranteed visibility!

The head dimensions of both contra-angle handpieces have once again been decreased. This ensures the best visibility even in harsh conditions.

Cooling on demand.

Both contra-angle handpieces have two detachable Exco spray clips with and without Kirschner/Meyer piping support. These clips are perfectly suited to ultrasonic cleaning and inherent salt crystals can be completely removed from the inside.



Hygiene without compromise.

The smooth surface of both of the contra-angle handpieces is easy to clean.

They comprise 100% stainless steel, are sterilisable up to 135 °C and are thermodisinfectable.



Simple and safe.

With IDC Implantology Distance Control
for implant success.

Finding the correct distance is an important pre-requisite for a successful implantation. IDC from W&H is a set of distance gauges, which – irrespective of implant diameter – ensures compliance with the correct »biological width« between the tooth and the implant as well as between two implants, independently from the diameter of the implant. IDC can be used with most implant systems.



IDC Basic-Set

- > Table of specifications for the »biological width«
- > Individual parts are clear arranged





IDC – a truly flexible system.

No two jaws are alike. The IDC system is designed with this in mind and can cope with any configuration.

With the help of distance gauges and sleeves, the center drill can be placed exactly at the right point.



1 Incorporation of sleeve B



2 Marker hole with sleeve B for the correct distance between tooth and implant



5 Pilot hole with spring bur D2 mm (from implant system) in region 34



6 Marker hole with spacer 8 for distance implant / implant for base constructions and / or telescopic crowns in region 32

Biological Width

Implant to alveolar crest

Implant Ø	3	3.25	3.4	3.5	3.75	4	4.3	4.5	4.8	5	5.5	6	6.5
3	3.10	2.98	2.90	2.85	2.75	2.65	2.55	2.45	2.35	2.25	2.15	2.05	1.95
3.25	2.98	2.85	2.78	2.73	2.63	2.53	2.43	2.33	2.23	2.13	2.03	1.93	1.83
3.4	2.90	2.78	2.70	2.65	2.55	2.45	2.35	2.25	2.15	2.05	1.95	1.85	1.75
3.5	2.85	2.73	2.65	2.60	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70
3.75	2.75	2.63	2.55	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60
4	2.65	2.53	2.45	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50
4.3	2.55	2.43	2.35	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40
4.5	2.45	2.33	2.25	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30
4.8	2.35	2.23	2.15	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20
5	2.25	2.13	2.05	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10
5.5	2.15	2.03	1.95	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00
6	2.05	1.93	1.85	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90
6.5	1.95	1.83	1.75	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90	0.80

Touch to biotype

Implant Ø	3	3.25	3.4	3.5	3.75	4	4.3	4.5	4.8	5	5.5	6	6.5
3	3.10	2.98	2.90	2.85	2.75	2.65	2.55	2.45	2.35	2.25	2.15	2.05	1.95
3.25	2.98	2.85	2.78	2.73	2.63	2.53	2.43	2.33	2.23	2.13	2.03	1.93	1.83
3.4	2.90	2.78	2.70	2.65	2.55	2.45	2.35	2.25	2.15	2.05	1.95	1.85	1.75
3.5	2.85	2.73	2.65	2.60	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70
3.75	2.75	2.63	2.55	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60
4	2.65	2.53	2.45	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50
4.3	2.55	2.43	2.35	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40
4.5	2.45	2.33	2.25	2.20	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30
4.8	2.35	2.23	2.15	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20
5	2.25	2.13	2.05	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10
5.5	2.15	2.03	1.95	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00
6	2.05	1.93	1.85	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90
6.5	1.95	1.83	1.75	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90	0.80

Cross tabulation for simple determination of the »biological width«.
e.g. implant Ø 4 to Ø 4.3 = 2.95 mm = sleeve 3



3 Incorporation of sleeve No. 2



4 Marker hole with sleeve 2 for distance between implant and implant



7 Trapezoidal distribution of the implants



Simpler locating of the marker hole between two teeth with spacer A, B or C

Technical Data:



Type:	WS-75 E/KM	WI-75 E/KM
Transmission ratio:	20:1	20:1
Weight:	85 g	74 g
Length:	95 mm	95 mm
Diameter of head:	10,2 mm	10,2 mm
Chucking system:	Hexagon 2,35 mm	Hexagon 2,35 mm
Coupling:	ISO 3964 (DIN 13.940)	ISO 3964 (DIN 13.940)
Max. motor speed:	50.000 rpm	50.000 rpm

IDC Implantology Distance Control:

- 1 Basic-Set
- 2 Distance gauge
- 3 Center drill D2
- 4 Spacer A to C
- 5 Spacer 1 to 9



Pictures are for illustrative purposes only. Additional equipment and accessories are not included with the item.

Order your IDC through your dental supplier.

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