A Synthesis of Design and Function.

Syneaa

Straight and contra-angle handpieces
Synea LS – in a class of its own.

The Synea LS generation of straight and contra-angle handpieces is characterized by innovative technology and design, the use of durable materials such as stainless steel, and precision finishing. Special sealing compounds, high-performance components, computer-improved gearing and – now – the extremely durable ceramic ball bearings on the speed-increasing WA-99 LT/A handpiece, guarantee performance and a long life.

The main features:

• Optimum balance due to the innovative ergonomic shape
• Long life due to the high-quality materials and durable ceramic ball bearings of the speed-increasing WA-99 LT/A
• High level of hygiene with the exclusive MONOBLOC design
• Excellent light output through a compact glass rod (25,000 Lux)
• Enhanced spray system
• Improved, comfortable press-button chuck system
• Economical to purchase and maintain
• 2-year warranty
Ceramic ball bearings – innovation for a long life.

High strength and a long life are characteristic for the Synea LS. The extremely durable ceramic ball bearings contribute to these properties on the speed-increasing WA-99 LT/A handpiece.

Speed-increasing handpiece in 1,000-hour test. The Synea LS speed increasing handpiece has stood out amongst the competition for a long time. Now a test carried out by the Competence Centre for Tribology at AC²T research GmbH* has confirmed that it is unbeatable in endurance tests. The WA-99 LT/A handpiece was the sole product to achieve a run time of 1,241 hours. Without failure!

The secret of this success: W&H DuraSys drive technology – a special combination of gear unit, bearing and lubrication technology, based upon decades of experience in the development of dental medical instruments and devices.

2-year warranty. W&H is now issuing all Synea LS models with a 2-year warranty. You can truly rely on W&H!

*Czech Center of Competence for Tribology. Tribology comprises the friction, wear and lubrication sectors. It focuses on the functional, economic and ecological optimization of locomotor systems. Using tribological know-how leads to reductions in wear and the optimization of friction conditions.
The impressive MONOBLOC technology of the Synea LS series.

Simply perfect. The Synea LS range is ideally suited for a wide range of applications. Three instruments (1:5, 1:1, 10:1) are enough to cover a range of speeds from approx. 200 to 200,000 rpm. Economical to buy and maintain, surprisingly easy to use - what more could you ask for!

A good grip! The convenient press button chuck system has been improved still further. Further modification and improvements resulted in increased retention power whilst the pressure required when changing burs has been reduced to a minimum. And that means enhanced operating comfort and safety.

Bur change at the press of a button – nothing could be simpler!

ISO coupling, system LT, DIN 13940, ISO 3964 fits all motors with ISO connection

* Not available in all countries.
Interplay of function and design. Functionality and elegant design are among the most fundamental characteristics of the Synea LS range. The ergonomic shape has an optimum angle which provides for excellent balance. Combined with the innovative elliptical grip, these features ensure safe, positive handling when wearing gloves, and also when the instrument is wet. The light weight of the Synea LS allows relaxed, fatigue-free working.

Refreshing detail. The built-in triple spray with maintenance-free filter in the speed-increasing WA-99 LT/A provide an enhanced spraying function, resulting in continuous perfect cooling.

Integrated perfection. The large optic outlet of the Synea LS provides excellent illumination of the treatment area with 25,000 lux, revealing even the smallest details. This is ensured by the unique, compact glass rod that delivers a powerful, bright and precise light, even after thousands of sterilizations.

Monobloc – a vision of hygiene. Thanks to its monobloc design, the Synea LS offers first-rate hygiene. This sets it apart from instruments with an interchangeable head system. The smooth chrome-plated sheath is manufactured with an elliptical grip which is quick and easy to clean. Synea LS handpieces are fully sterilizable in an autoclave at temperatures up to 134–137 °C and can also be thermo washer disinfected. Surface, internal parts and seals are designed to withstand countless sterilizations.

Data Matrix Code. Read with appropriate equipment for simple product identification and traceability, for example within hygienic maintenance routines.
Synea LS – an overview.

**Speed increasing contra-angle handpiece, 1:5 with triple spray, for 1.6 mm ø FG burs, with ceramic ball bearings**
- Crown and cavity preparation, trepennning, finishing of fillings, removal of temporary and permanent fillings and crowns.

**Contra-angle handpiece, 1:1 with single spray, for 2.35 mm ø burs**
- Cavity preparation, trepennning, separating, finishing of cavity margins, crown stumps and fillings.

**Contra-angle handpiece, 2:1 with single spray, for 2.35 mm ø burs**
- Excavating, cavity floor preparation close to the pulp, fine finishing and polishing.

**Contra-angle handpiece, 10:1 with single spray, for 2.35 mm ø burs**
- Excavating, cavity floor preparation close to the pulp, root canal filling with the aid of Lentinol spiral

**Endo Cursor contra-angle handpiece, 4:1 with single spray, for hand root canal instruments 3.6-4 mm ø**
- Mechanical root canal preparation with reciprocating movement (approx. 60°). Maximum drive speed 6,000 rpm.

**Profin® contra-angle handpiece, 2:1 with single spray, impact movement of 1.1/0.4 mm, for Dentatus Tips**
- For the removal of excess filling material and cement, fine and coarse polishing, and polishing in the interdental and subgingival areas. Maximum drive speed 20,000 rpm.

**Straight handpiece, 1:1 with single spray, for handpiece and contra-angle burs 2.35 mm ø**
- Preparation, separating and finishing of fillings in the anterior region.

**Technically perfect solutions from W&H.**

Order W&H straight and contra-angle handpieces from your dental supplier.