

# SURGmatic™ Pro Series

## Durable Performance. Boundless Power.

### SURGmatic S201 XL Pro

With its new generation of SURGmatic instruments, KaVo is setting new standards in this premium segment and, as you would expect, meets the highest requirements in terms of performance, handling, and durability.



#### Hexagonal clamping system

Optimizes durability by spreading the distribution of torque over a larger area of the tool shaft



#### Optics

For better visibility of the surgical field



#### EXPERTgrip

EXPERTgrip surface allows for better handling and ergonomics



#### One Piece Design

Easy cleaning and sterilization (up to 273°F)



#### Cooling

KM Irrigation system provides external and internal cooling for increased patient comfort and safety



PRODUCT FEATURES AND BENEFITS



S201 L Pro



S201 XL Pro

Features	Reduction Ratio 20:1	Reduction Ratio 20:1 Hexagon clamping system
Part no.	1013.7540	1013.7541



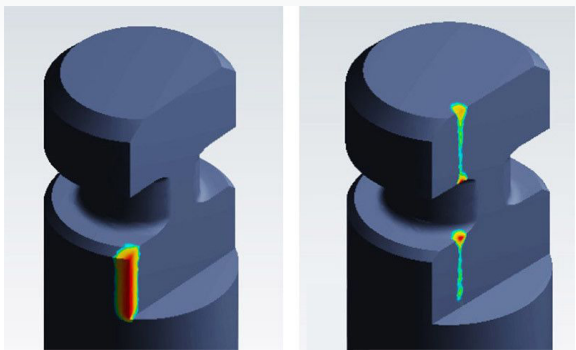
MASTERSurg LUX Wireless  
Part no. 1009.1200



EXPERTSurg LUX  
Part no. 1008.3500

Simple and Intuitive Surgical Units

Used in combination with KaVo MASTERSurg LUX Wireless and EXPERTSurg LUX, SURGmatic instruments offer highly precise performance and comfort. KaVo SURGmatic instruments offer good speed and torque: from smoothing the alveolar ridge to fixing implants, micro-surgery, ENT, retrograde apicetomy, bone splitting and much more.

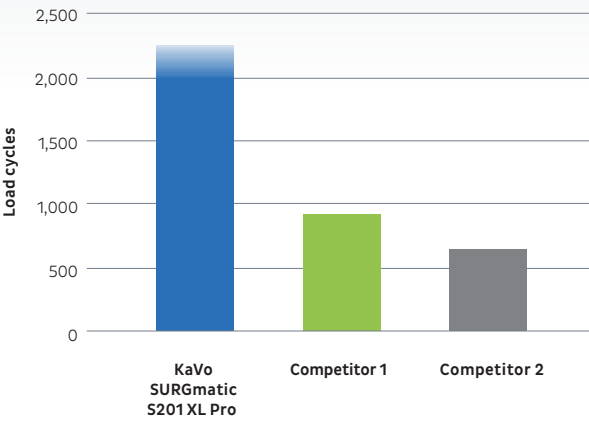


Previous Generation: High loads on the edge of the tool could result in significant deformation. This results in shaft interference in the clamping system.

The compressive load on individual zones is distinctly reduced by optimization of the torque transfer surface. This results in demonstrably improved instrument and tool service life.

S201 L Pro and S201 XL Pro:

Distribution of the torque over a larger area results in less deformation of the tool edge, and in addition, the strain is shifted from the edge of the shaft in the direction of the middle of the axis. In this way, deformation of the shaft is prevented.



SURGmatic S201 XL Pro Product comparison test performed at maximum torque of 80 Ncm:

- Test performed to failure on three sets of products from mass production
- The mean number of torque loading cycles until failure is shown
- Test stopped at 2,000 cycles
- Instruments being tested are exposed to strain using a test bench set-up which realistically simulates the luxation process of implants with regard to the torque load