

# SILENT POWER EVO GOLDSPEED EVO HANDPIECES



	EVO 4L	EVO 4L K	EVO MINIATURE	EVO MINIATURE K	EVO 2L	EVO 2
Ceramic ball bearings	●	●	●	●	●	●
Total weight (g)	65	65	65	65	59	55
Stainless steel head	●	●	●	●	●	●
Chromium-plated handle	●	●	●	●	●	●
Quick fit (4 ways + 2 contacts)	●		●			
Ready for MULTiflex® rapid coupling		●		●		
Four-way attachment + 2 contacts					●	
Four-way attachment						●
Button-type mill lock	●	●	●	●	●	●
LED optic fibre lighting	●	●	●	●	●	
4-jet spray	●	●			●	●
3-jet spray			●	●		
Top speed (rpm)	350000	350000	400000	400000	350000	350000
Power (W)	22	22	16	16	22	22
Pressure (bar)	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9
Max water flow rate at 1.2 bar (mL/min)	60	60	60	60	56	56
Average noise level dB(A)	57	57	57	57	57	57
Autoclavable	●	●	●	●	●	●
Washable in instrument washer	●	●	●	●	●	●



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# FULL WORKING COMFORT



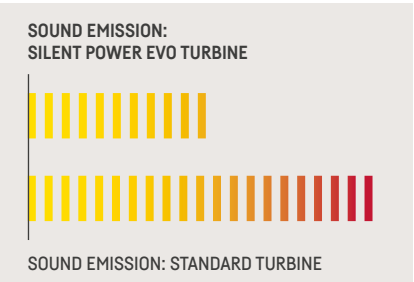
**GOLDSPEED EVO**  
**CONSERVATIVE DENTISTRY, SURGERY, ENDODONTICS**  
 Built in conformity with the highest standards of micromechanics, Goldspeed Evolution instruments ensure, thanks to exclusive design, working precision, top performance, lightness and easy handling. In all situations, even during the most delicate procedures, the dentist benefits from invaluable working comfort: very good visibility in the operating area, extremely low vibration levels, optimum balance on the wrist and outstanding grip all put the range in a class of its own. Goldspeed Evo handpieces can all be heat-disinfected and sterilised in steam autoclaves: reliability and quality in characteristic Castellini safety.

Castellini Silent Power Evo turbines are a cut above the rest thanks to their extraordinary ability to marry power and quietness. The leading-edge ceramic bearing technology, rotating precision and fluidodynamic study of air flows have meant that the acoustic level of the turbine has been more than halved, brought down to an average level of 57 dB(A), virtually imperceptible against the noise you would normally expect to find in the environment, something that is further improved by the reduction of the predominantly medium-high frequencies, that are a greater cause of acoustic discomfort. Silent Power achieves top-of-the-class performance and unquestioned comfort due to lower auditory stress.



**MULTIPLE IRRIGATION**  
 From three to four spray irrigators in the various Silent Power Evo models ensure the best cooling and maximum visibility in the working field at all times no matter what conditions you are working under. Two separate nozzles, one for water and one for air at each point of delivery prevent the fluids mixing inside the turbines and thus contamination of the circuits, ensure an always stable spray regardless of the different air and liquid pressures. The turbine is fitted with a chip-blower to ensure very dry air at the head.

**HYGIENE AND ASEPSIS**  
 The characteristics of the materials and the components mean the Silent Power Evo turbines can be washed and heat disinfected in instrument washers and sterilised in autoclaves up to135 °C.



**LED LIGHTING TECHNOLOGY IN THE OPERATING FIELD**  
 A miniaturised circuit with a light emitting diode replaces traditional halogen bulbs. Compared with halogen bulbs the LED has an incomparably longer life, up to tens of thousands of hours. It also emits a high-quality white light that does not alter the colour of the teeth or tissues.

**POWER AND SILENCE**  
 Silent Power achieves top-of-the-class performance and unquestioned comfort due to lower auditory stress. This leads to a more pleasant environment for both patient and consumer.

# EXCELLENCE AND PERFORMANCE

Designed for every use in the dentistry field from conservative to implant surgery and endodontics, the Goldspeed Evo handpiece range incorporates Castellini's excellence and experience.



## **GOLDSPEED EVO R20-L**

### **(20:1) SURGICAL USE, IMPLANTOLOGY, OSTEOTOMY**

Specifically for surgical use, gear ratio 20:1, can be heat-disinfected and sterilised in an autoclave, can be disassembled for thorough cleaning, single spray, with hex-type tightening system, for burs and surgical instruments with contra-angle stem Ø 2.35 mm, internal Kirschner/Meyer cooling system and external spray, LED with incorporated generator.

## **GOLDSPEED EVO E4**

### **(4:1) ENDODONTIC USE**

Specific for endodontics, gear ratio 16:1, can be heat-disinfected and sterilised in an autoclave. Miniaturised head for improved access to the treatment area. Allows endodontic treatment in reciprocating mode and use of the apex locator integrated on Castellini dental units equipped with integrated endodontics.

## **GOLDSPEED EVO E16**

### **(16:1) ENDODONTIC USE**

Specific for endodontics, gear ratio 16:1, can be heat-disinfected and sterilised in an autoclave. Miniaturised head for improved access to the treatment area. Equipped with ball bearings for precise transmission of speed to the file. Push-button bur lock.

## **GOLDSPEED EVO M5-L**

### **(1:5) CONSERVATIVE**

For conservative, prosthetic and general dentistry. Multiplier contra-angle handpiece, gear ratio 1:5, can be heat-disinfected and sterilised in an autoclave, uses Ø 1.6 mm FG burs, push-button bur lock, quadruple spray, integrated high-intensity, autoclave-safe fibre optic lighting. Head diameter 10 mm

## **GOLDSPEED EVO S1-L**

### **(1:1) CONSERVATIVE**

For conservative and general dentistry, gear ratio 1:1, head and handgrip can be heat-disinfected and sterilised in an autoclave, push-button bur lock, single spray, integrated high-intensity, autoclave-safe fibre optic lighting. Head diameter 9.5 mm.

## **GOLDSPEED EVO S1**

### **(1:1) CONSERVATIVE**

For conservative and general dentistry, gear ratio 1:1, head and handgrip can be heat-disinfected and sterilised in an autoclave, push-button bur lock, single spray. Head diameter 9.5 mm.

## **GOLDSPEED EVO D1**

### **(1:1) CONSERVATIVE**

Straight handpiece for general dentistry, gear ratio 1:1, can be heat-disinfected and sterilised in an autoclave, single spray.

## **GOLDSPEED EVO D1-L**

### **(1:1) CONSERVATIVE**

Straight handpiece for general dentistry, gear ratio 1:1, can be heat-disinfected and sterilised in an autoclave, single spray, integrated high-intensity, autoclave-safe fibre optic lighting.

# TECHNOLOGICAL SUPERIORITY



**PERFORMANCE AND RELIABILITY**

A pneumatic power propeller consisting of a rotor built in conformity with extremely strict standards. A real engineering gem with dimensional precision down to the thousandths of a millimetre supported by advanced-concept ceramic ball bearings providing minimum friction and inertia effect: more power, fewer vibrations, maximum durability. Materials, ergonomic contour and lubrication; a combination which provides the best of high-speed power and withstands the dynamic stresses generated while working, as well as both the thermal and chemical aggression of modern autoclaves.

A rotor capable of generating very high torque is the heart of the turbine: new-technology ceramic ball bearings with high mechanical resistance and low friction, minimum inertial mass for high yield. Superior performance and reliability in Castellini Silent Power Evo Turbines. The burr change is quick and easy with a pushbutton release command on the head of all the Castellini Silent Power Evo models. Quick attachment for turbines with Optical-Fibre 4L Evo and Miniature Evo Silent Power models that can be applied to all four-way two-contact cords. It allows the turbine to swivel through 360°.



EVO MINIATURE



EVO MINIATURE K



EVO 4L



EVO 4LK



EVO 2L



EVO 2