

# PAUL

Naudojimo instrukcija

Lietuvių



## **Turinys**

1. Mielas vartotojau, .....	3
2. Saugumo informacija .....	4
3. Produkto apžvalga .....	5
4. Eksploatacija.....	6
5. Priežiūra ir valymas .....	7
6. Techniniai duomenys .....	8

## **1. Mielas vartotojau,**

Dėkojame, kad įsigijote darbo kėdę Sirona PAUL.

Pateikiama techninė dokumentacija yra produkto dalis. Jūs visuomet turėtumėte laikyti šią dokumentaciją pasiekiamą.

Šios naudojimo instrukcijos parodo įvairius darbo kėdės modelius.

Priežiūra ir valymas turėtų būti atliekami remiantis atitinkamomis instrukcijomis.

Būtina laikytis visos saugumo informacijos, kad išvengti asmeninių sužalojimų ir materialinės žalos.

Jūsų Sirona komanda

## **2. Saugumo informacija**

### **Įrenginio modifikavimas**

Šio įrenginio modifikacijos, kurios galėtų įtakoti naudotojo, pacientų ar trečiųjų šalių saugumą, yra draudžiamos įstatymo!

### **Priedai**

Tam, kad užtikrinti produkto saugumą, šis įrenginys turi būti naudojamas tik su originaliais Sirona priedais arba trečiųjų šalių priedais specialiai patvirtintais Sirona. Vartotojas prisiima riziką naudodamas nepatvirtintus priedus.

### **Apkrova**

Prašome laikytis 135 kg maksimalios darbo kėdės apkrovos.

### 3. Produkto apžvalga

#### PAUL

- Aukščio reguliavimas su rankiniu paleidimu
- Žiedas kojoms (papildomas) 



## 4. Eksploatacija

### 4.1 Aukščio reguliavimas su rankiniu paleidimu



Valdymo svirtis, skirta rankiniam nuleidimui randasi po sėdyne.

- **Pakėlimas**

Kiek įmanoma pakelkite savo svorį nuo sėdynės ir patraukite valdymo svirtį į viršų.

- **Nuleidimas**

Palikite savo svorį ant sėdynės ir patraukite valdymo svirtį į viršų.

### 4.2 Atrama

Atrama gali būti pasukama  $\pm 45^\circ$ .



## 5. Priežiūra ir valymas

### 5.1 Priežiūros ir valymo priemonės

#### PASTABA

Patvirtintos priežiūros ir valymo priemonės

Naudokite tik Sirona patvirtintas priežiūros ir valymo priemones!

Nuolat atnaujinamą patvirtintų priemonių sąrašą galite atsisiųsti internetu iš:

"www.sirona.com" / "SERVICE" / "Care and cleaning" / "Care and cleaning agents"

Jei neturite prieigos prie interneto, Jūs galite užsisakyti sąrašą iš savo medžiagų tiekėjo.

Užsakymo numeris: 59 70 905

### 5.2 Priežiūra ir valymas

- **Dezinfekcija**

Paviršiai gali būti purškiami arba valomi paviršių dezinfektantais

- **Valymas**

Reguliariai pašalinkite purvą, nešvarumus ir dezinfektantų liekanas, naudodami silpnas valymo priemones.

- **Apmušalai**

Apmušalams naudokite tik priežiūros ir valymo priemones patvirtintas Sirona, žiūrėti „Priežiūros ir valymo priemonės“.

- **Apsauga nuo medikamentų**

Dėl aukštos koncentracijos ir sudėtyje esančių medžiagų, daugelis medikamentų gali ištirpdyti, išėsti, nubalinti ar išblukinti paviršius. Vienintelis žalos išvengimo būdas yra nedelsiant nuvalyti medikamentus drėgnu audiniu ir valymo priemone.

- **Ratukai**

Reguliariais intervalais valykite darbo kėdės ratukus, kad išvengtumėte žalos grindims.

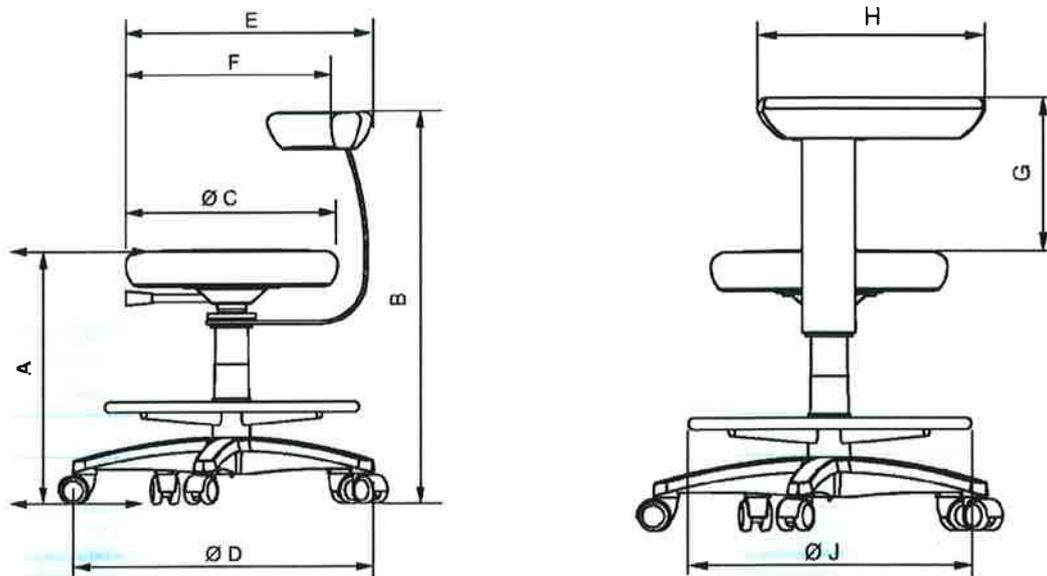


## 6. Techniniai duomenys

		Matmenys milimetrais
<b>A</b>	Sėdynės aukštis (atitinka DIN, apkrauta) Pneumatinė spyruoklė, trumpa Pneumatinė spyruoklė, ilga	405 – 520 505 – 625
<b>B</b>	Bendras aukštis (žemiausioje pozicijoje, neapkrauta) Pneumatinė spyruoklė, trumpa Pneumatinė spyruoklė, ilga	705 805
<b>C</b>	Sėdynės plotis	Ø400
<b>D</b>	Žvaigždės pagrindas	Ø600
<b>E</b>	Bendras gylis (išskyrus žiedą kojoms)	465
<b>F</b>	Sėdynės gylis (atitinka DIN, nugaros įlinkimo vietoje)	385
<b>G</b>	Atramos aukštis	265
<b>H</b>	Atramos plotis	407
<b>J</b>	Žiedas kojoms	Ø508

### Bendras svoris

10,0 – 12,0 kg – tinkama asmenims, sveriantiems iki 135 kg



**Consumables and selected spare parts for Intego**

**Dentosept S**

Silver-free water line disinfectant solution for use in the fresh water bottle (6 x 1 liter)

REF. 6610310 EUR without VAT 143.-- Pr.Gr. 29

**Booster cushion for small patients**

for the ergonomic and comfortable seating of small patients and children

REF. 5446062 EUR without VAT 233.-- Pr.Gr. 29

**Silicone pad**

for covering the dentist element, autoclavable

- for TS dentist element
- for the CS dentist element and the Comfort assistant element

REF. 6417773 EUR without VAT 71.-- Pr.Gr. 29

REF. 6417765 EUR without VAT 39.-- Pr.Gr. 29

**Tray Tablet for swiveling tray holder**

- for two standard trays (ca. 370 x 285 mm)
- for one standard tray (surface approx. 180 x 280 mm)



REF. 6477439 EUR without VAT 177.-- Pr.Gr. 29

REF. 6477447 EUR without VAT 73.-- Pr.Gr. 29

**Silicone pad for tray large**

REF. 5910109 EUR without VAT 90.-- Pr.Gr. 29

**Silicone pad for tray small**

REF. 5910117 EUR without VAT 68.-- Pr.Gr. 29

**Removable silicone sleeves for handles**

2 pcs. hygiene protection covers for handles. Prevent cross-contamination, autoclavable.

REF. 6450857 EUR without VAT 58.-- Pr.Gr. 29

**Isolation sleeve for Endo 6:1 handpiece (5 pcs.)**

for use with ApexLocator

REF. 6324631 EUR without VAT 25.50 Pr.Gr. 94

**Isolation sleeve for T1 Line Endo 6 L handpiece with light (5 pcs.)**

for use with ApexLocator

REF. 6539089 EUR without VAT 25.50 Pr.Gr. 94

**ApexLocator support**

for hygienic storage of the ApexLocator cables

REF. 6540947 EUR without VAT 103.-- Pr.Gr. 29

**Centrifuge rotor for amalgam separator**

REF. 1434138 EUR without VAT 61.-- Pr.Gr. 29

**Handles for LEDlight Plus (2 pcs.)**

sterilizable

REF. 6684372 EUR without VAT 52.-- Pr.Gr. 29

**Handle sleeves for LEDview Plus (2 pcs.)**

sterilizable

REF. 6497353 EUR without VAT 52.-- Pr.Gr. 29

**Handle sleeves for LEDview Plus (4 pcs.)**

sterilizable

REF. 6598267 EUR without VAT 91.-- Pr.Gr. 29

**Hygienic protective sleeves for LEDview handles**

Sterilizable silicone, 2 pcs.

REF. 6255959 EUR without VAT 39.-- Pr.Gr. 29

**Accessories for Sivision digital**

**Cable set Sivision digital HDMI 10 m for connecting a suitable PC** consisting of 10 m HDMI, USB, Ethernet, audio and ground line each.

REF. 6329655 EUR without VAT 998.-- Pr.Gr. 91

**Cable set Sivision digital HDMI 5 m for connecting a suitable PC** consisting of 5 m HDMI, USB, Ethernet and ground line each.

REF. 6446111 EUR without VAT 390.-- Pr.Gr. 91



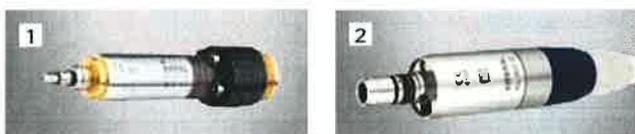
## BL/BL E and BL ISO C/E/BL Implant motors – the powerful, brushless micromotors

### Brushless, compact and hygienic

- Dentsply Sirona brushless BL motors are not only extra short, they are also the lightest and most ergonomic in the world
- These brushless micromotors are electronically controlled with perfection
- The BL/BL E and BL ISO C/E motors have a back-suction valve
- Motors and adapters are sterilizable and maintenance-free

### Only the best in performance

- With their 90–40,000 rpm speed range (depending on the combination of Dentsply Sirona motor and treatment unit: more details in the specifications) they always offer maximum torque
- The microprocessors also provide quiet and stable operation at rapidly changing motor speeds
- The BL/BL E and BL ISO C/E motors support the Apex function depending on the treatment unit
- The slim and lightweight BL Implant implantology motor with internal cooling provides a max. torque of 5 Ncm, with no air outlet at the preparation site



**1 Dentsply Sirona BL motor**  
Compatible with T1 Classic straight and contra-angle handpiece program

**2 Dentsply Sirona BL ISO C motor**  
Compatible with T1/T2/T3 Line and T2/T3 S-Line straight and contra-angle handpiece program

Models Specifications	BL motor <sup>1</sup> BL E motor <sup>2</sup>	LED BL ISO C motor <sup>3</sup> BL ISO E motor <sup>4</sup>	LED BL Implant motor <sup>5*</sup>
Number of revolutions (rpm)*	- 90–40,000 <sup>1</sup> - 1,200–40,000 <sup>2</sup> - 100–40,000 <sup>2</sup> In conjunction with eControl	- 90–40,000 <sup>3</sup> - 2,000–40,000 <sup>4</sup> (Sinus) - 1,200–40,000 <sup>4</sup> (Intego) - 100–40,000 <sup>2</sup> in conjunction with eControl (Intego Pro)	- 90–40,000
Max. torque (Ncm)	- 2.4	- 3.0	- 5.0
Max. power (W)	- 45	- 61	- 30
Motor diameter (mm)	- 16	- 22	- 22
Motor length (mm)	- 54	- 45	- 61
Weight (g)	- 65	- 81	- 106
Cooling air requirement (NI/min)	- 20	- 20	- 20
Spray air pressure (bar)	- 2.7	- 2.7	-
Spray water pressure (bar)	- 2	- 2	-

Versions/ Usage of	BL/BLE <sup>2</sup> motor	BL motor + ISO adapter	BL ISO C <sup>3</sup> /E <sup>4</sup> motor	BL Implant motor <sup>5*</sup>
<b>Dentsply Sirona</b>				
T1 Classic	■	■	-	-
T1/T2/T3 Line T2/T3 S-Line	-	■	■	-
Implant 20:1	-	-	-	■
SiroNiTi Apex & SiroNiTi Air Plus Apex	-	■	■***	-
<b>Other suppliers</b>				
INTRAmatic® Lux	-	■	■	-
INTRAmatic® – without light	-	■	■	■
ISO 3964 – without light and spray	-	■	■	■
Ref.		60 00 793		62 12 208
Ref. with LED	63 19 714 65 46 225 <sup>2</sup>		63 37 518 <sup>3</sup> 64 45 399 <sup>4</sup>	

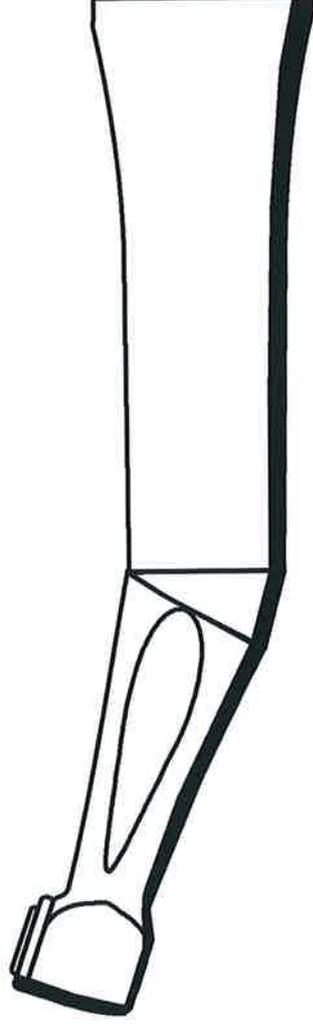
\* Maximum obtainable speed depends on the configuration of the Dentsply Sirona treatment unit. \*\* In combination with the Teneo Dentsply Sirona treatment unit. \*\*\* Apex function. \*\* In combination with BL ISO C motor and Teneo/Sinus or BL ISO E motor and Intego Pro.



Dokumentą elektroniniu  
parašė **ED06-1**  
**GIEDRIUS KALINAUSKAS**  
Data: 2020-09-21 00:21:01  
Paskirtis: Vertimas tikras

**Sirona**

The Dental Company



English

Operating Instructions

## Table of contents

<b>1</b>	<b>Before you begin</b> .....	<b>5</b>
	1.1 Structure of the document.....	6
	1.2 Service life of Sirona instruments.....	9
<b>2</b>	<b>Safety information</b> .....	<b>10</b>
<b>3</b>	<b>Technical description</b> .....	<b>12</b>
	3.1 Task.....	12
	3.2 ENDO 6:1 components .....	12
	3.3 Technical data .....	13
<b>4</b>	<b>Preparation</b> .....	<b>17</b>
	4.1 Initial start-up and longer breaks in use .....	17
<b>5</b>	<b>Operation</b> .....	<b>18</b>

5.1	Replacing the instrument.....	19
5.2	Attaching and removing a file.....	20
5.3	Recommendation for the treatment procedure.....	21
5.4	Mounting and removing the insulating sleeve .....	23
<b>6</b>	<b>Follow-up .....</b>	<b>25</b>
6.1	After each treatment session.....	25
6.2	At the end of the work day.....	26
<b>7</b>	<b>Conditioning .....</b>	<b>27</b>
7.1	Conduct pre-disinfection.....	27
7.2	Automated cleaning and disinfecting .....	28
7.3	Manual cleaning and disinfection .....	31
7.4	Manual maintenance .....	33
7.5	Sterilizing .....	37
		<b>3</b>

Table of contents

8	Spare parts and consumables .....	39
9	Storage and transport conditions .....	40
10	Disposal .....	41

Operating Instructions ENDO 6:1

## 1 Before you begin ...

ENDO 6:1 complies with state-of-the-art technical regulations. ENDO 6:1 complies with the ISO 14457 standard.

1. Read the operating instructions prior to using ENDO 6:1.
2. Only use ENDO 6:1 for the applications described in the operating instructions.
3. Observe the applicable hygiene standards, occupational safety regulations and accident prevention measures for ENDO 6:1.

### **Intended use**

ENDO 6:1 is used to hold and drive burr instruments for the purposes of rotary processing and is intended for the following uses in dentistry:

- Endodontics
  - Endometry
- None

### **Contraindications**

**Target group**  
This product is intended only for use by trained dental personnel in dental practices and laboratories.

## Warnings

### 1.1 Structure of the document

#### 1.1.1 Labeling of information

- To prevent injuries, please observe the warnings.

Warnings are labeled as follows:

- ⚠ **DANGER!** indicates a danger **leading** to death or serious injury if not avoided.
- ⚠ **WARNING!** indicates a danger that **may lead** to death or serious injury if not avoided.
- ⚠ **CAUTION!** indicates a danger that **may lead** to injury if not avoided.
- To prevent material damage and additional expenses, please observe all instructions for use.  
Instructions for use are labeled as follows:  
**NOTICE!** indicates measures for the prevention of material damage.

## Instructions for use

**IMPORTANT:** indicates information on the avoidance of additional expenses and other important information.

**Tip:** indicates information for facilitating work.

## 1.1.2

**Formats and symbols**

The formats and symbols used in this document have the following meaning:

<ul style="list-style-type: none"> <li>✓ Prerequisite</li> <li>1. First action step</li> <li>2. Second action step</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>➤ Alternative action</li> <li>↪ Result</li> <li>➤ Individual action step</li> </ul>	Requests you to do something.
Use of formats and symbols [ → 8].	Identifies a reference to another text passage and specifies its page number.
• List	Identifies a list.

## 1.2 Service life of Sirona instruments

When used as intended:

- Non-moving parts of Sirona instruments have a typical service life of approx. 5 years
- Moving parts of Sirona instruments have a typical service life of approx. 3 years

No warranty claim can be inferred here, as wear may occur earlier or later than indicated above depending on use, frequency of sterilization, and frequency of maintenance.

Elastomers, e.g. O-rings, must be replaced depending on their degree of wear.

For safety and technical reasons, check the clamping system of the contra-angle and straight handpiece burs on an annual basis.

## 2 Safety information

### Obligations of the user

- Use only fault-free materials that do **not** deviate from the specified data [ → 13].
- Protect yourself, patients, and others against any foreseeable dangers. To do this, follow the safety information.
- Comply with the Intended use of the equipment.
- You should always keep these operating instructions within reach for further reference.

### Preventing the spread of infections and cross contamination

Prevent the spread of infections and cross contamination between patients, users, and third parties. Sterilize equipment after each patient. Take the appropriate hygiene measures, e.g. wear protective gloves.

### Instrument head overheating

If the instrument is defective, the area around the instrument head may heat up, thus creating a risk of burning the patient's oral mucosa.

### **Malfunction or damage**

Discontinue use immediately in case of malfunction, unusual or different sounds or damage. Damaged instruments may cause injury. Notify the dental dealer or the manufacturer.

### **Repair**

Do **not** repair the instrument yourself.

### **Spare and accessory parts**

Use only original Sirona parts or parts approved by Sirona. Safe operation is **not** guaranteed for parts that have not been approved by Sirona.

### **Operating conditions:**

Temperature: +10 °C – +30 °C

If you have any questions, please contact your dental depot or the manufacturer.

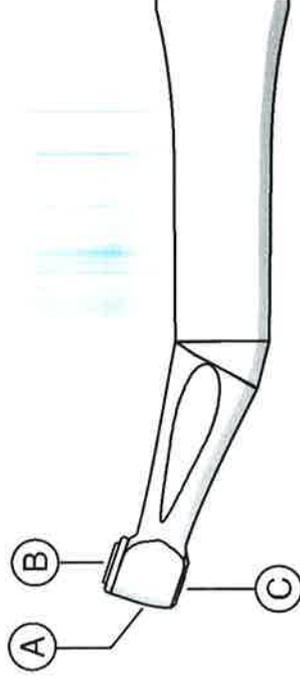
### 3 Technical description

#### 3.1 Task

The instrument serves for transmitting the driving power and speed of the electric motor or air motor (handpiece coupling according to ISO 3964) to the preparation tool.

#### 3.2 ENDO 6:1 components

##### Contra-angle handpiece



A	Instrument head
B	Pushbutton
C	Opening for the clamping system



**Accessories**

A	Insulating sleeve
B	File

**3.3 Technical data**

**Instrument**

	<b>ENDO 6:1</b>
Gear ratio	6:1
Maximum motor speed in rpm	40 000

3 Technical description

Operating Instructions ENDO 6:1

<b>ENDO 6:1</b>	
Maximum operating speed in rpm	6 700
Clamping system	CA
Internal cooling media	-
Back suction stop	-
Light function	-
Apex measuring function <sup>1</sup>	x
Instrument coupling	INTRAmatic®

1. Apex measuring function depending on the treatment center and its accessories

**File**

	ENDO 6:1
Shank diameter in mm	2.334 - 2.35
Maximum total length in mm	25
Maximum working diameter in mm (ISO 2157)	2.1
Gripping length in mm	≥ 11
Standard	ISO 1797-1, Type 1

**CE**  
**0123**

This product bears the CE mark in accordance with the provisions of the Council Directive 93/42/EEC of June 14, 1993 concerning medical devices (MDD).

## 4 Preparation



### 4.1 Initial start-up and longer breaks in use

- Sterilize the instrument and accessories prior to startup.
- Clean and maintain the instrument after longer breaks in use.



## 5 Operation

**NOTICE!** Use only faultless files in order to prevent fatigue fractures of the files as far as possible.

**⚠ CAUTION!** Do not pull the patient's cheek back with the contra-angle handpiece while the motor is running. This would actuate the pushbutton, thus creating a risk of burning the patient's oral mucosa.

**IMPORTANT:** For application details and operating data of the different preparation tools, please refer to the information provided by the manufacturer.



## 5.1 Replacing the instrument

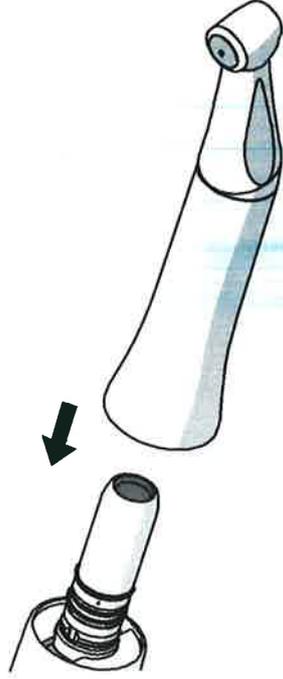
**⚠ CAUTION!** The instrument should only be fitted or removed when the motor is at standstill.

### Attaching the instrument

- ✓ The motor is at a standstill.
- Insert the instrument until it snaps into place.

### Removing the instrument

- ✓ The motor is at a standstill.
- Detach the instrument. Do not pull on the supply hose while doing this.



## 5.2 Attaching and removing a file

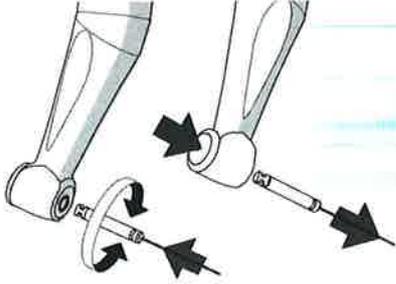
**NOTICE!** Use only faultless files in order to prevent fatigue fractures of the files as far as possible.

### Attaching a file

- ✓ The drive has come to a stop.
- 1. Insert the file by gently rotating it until it snaps into place. In doing so, do **not** press the pushbutton.
- 2. Then pull and turn the file to check that it is firmly seated.

### Removing a file

- ✓ The file has come to a stop.
- Remove it while pressing and holding down the pushbutton.



### 5.3

#### **Recommendation for the treatment procedure**

**NOTICE!** Use only faultless files in order to prevent fatigue fractures of the files as far as possible.

- The different file systems require different working techniques. For this reason, please always observe the information provided by the file manufacturer.
- Work without exerting any pressure on the file.
- The ApexLocator function is used to support the root canal preparation process in combination with SIROEndo Pocket or a treatment center with the apex measurement function. The number of X-rays can be reduced with ENDO 6:1. However, you must always take at least one X-ray to determine the depth for preparatory work. A clinical evaluation including knowledge of the anatomy of root canals is important for interpreting the results.

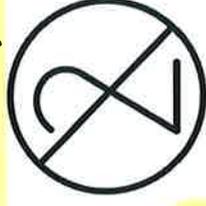


- When performing the APEX measurement, wear appropriate insulated gloves. We recommend performing the treatment with a cofferdam, while using an insulating sleeve. This will prevent inaccurate measurements caused by undesired leakage currents. During the measurement, the instrument must not come into contact with the patient's mucosa, metallic tooth restorations, or the mucosal electrode.
- If the limit torque is exceeded, a gentle creaking may be heard and vibrations felt. Remove the file by gently pulling it toward the coronal end. If this is not possible, switch the drive to counterclockwise rotation and pull the file out of the channel.  
**IMPORTANT:** Check the file afterwards for damage or deformation (untwisting) and replace it, where necessary.

## 5.4 Mounting and removing the insulating sleeve



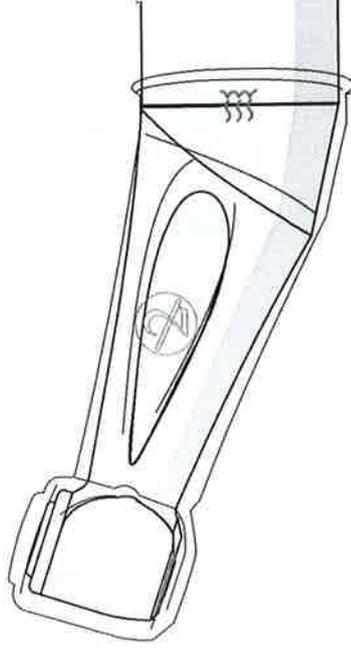
**NOTICE!** Insulating sleeves are only used once. Change the insulating



sleeve after each patient.

### Fitting an insulating sleeve

- ✓ You have sterilized the insulating sleeve.
  - ✓ The motor is at a standstill.
  - ✓ A file is not clamped in place.
1. Twist the insulating sleeve carefully this way and that and pull the insulating sleeve fully over the instrument.
  2. Attach the file [ → 20].



### **Removing an insulating sleeve**

✓ The motor is at a standstill.

1. Remove the file.
2. Remove the insulating sleeve.
3. Dispose of the insulating sleeve [→ 41].

## 6 Follow-up

### 6.1 After each treatment session

**NOTICE!** Condition immediately, or at the latest, one hour after treatment.

**NOTICE!** Only use Sirona T1 Spray.

✓ Wear appropriate protective clothing.

1. Remove the file with tweezers.
2. Pre-disinfect directly at the treatment center/tabletop unit [ → 27].
3. Detach the instrument from the drive.
4. Transport the instrument to the hygiene room in a suitable transport container.
5. Conduct automatic conditioning [ → 28]. Manual conditioning [ → 31] is possible in exceptional cases if the national/local regulations are followed.

6. Apply spray to the instrument [ → 33].
7. Sterilize the instrument and accessories [ → 37].

## 6.2

### **At the end of the work day**

- Apply spray to the instrument [ → 33].

**NOTICE!** Do not leave any instruments on the motor overnight, in order to prevent oil from leaking into the electric motor. Never lubricate the electric motor.

## 7 Conditioning

### 7.1 Conduct pre-disinfection

- ✓ Wear appropriate protective clothing.
  - ✓ All disinfectants must be approved in your country and have proven bactericidal, fungicidal and virucidal properties. Only use disinfectants with **no** protein-fixing properties.
1. Spray the surface with disinfectant.
  2. Wipe the disinfectant off with a cloth.
- ✎ For further conditioning, the instrument should be dry and free of residue.

Please observe the manufacturer's instructions for using instrument disinfectants.

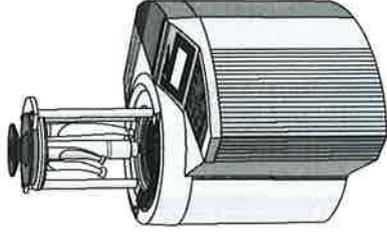
## 7.2 Automated cleaning and disinfecting ...

### 7.2.1 ... with a DAC UNIVERSAL

We recommend using **Sirona DAC UNIVERSAL** for automated cleaning, disinfection, care, and unwrapped sterilization.

For further details, refer to the operating instructions supplied with the unit.

- ✓ The pushbutton chuck is manually maintained [ → 35].
  - ✓ The instrument is conditioned using the DAC UNIVERSAL.
1. Check whether the instrument is clean after conditioning under good lighting (min. 500 lux) and color rendering index (min. 80 Ra).
  2. If it is still dirty, repeat the process.
    - ↪ For further conditioning, the instrument should be dry and free of residue.



3. Pack the instrument in packaging material suitable for sterilization and storage. e.g. paper/plastic composite packaging.
4. Sterilize the instrument [ → 37].

### 7.2.2

#### ... with cleaning and disinfection equipment

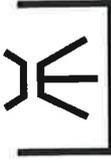
The instrument can also be cleaned and disinfected in a suitable piece of cleaning and disinfection equipment.

The cleaning and disinfection equipment used must be approved by its manufacturer for the cleaning and disinfection of dental instruments and comply with EN ISO 15883-1 (e.g. 95°C (203°F) and 10 min. holding time).

For further details, refer to the operating instructions supplied with the unit.

- ✓ The instrument is conditioned with a cleaning and disinfection device.

95°C  
203°F



1. Check whether the instrument is clean after conditioning under good lighting (min. 500 lux) and color rendering index (min. 80 Ra).
2. If it is still dirty, repeat the process.
  - ↳ For further conditioning, the instrument should be dry and free of residue.
3. Blow the instrument out with max. 3 bar.
4. Manual care of mechanical parts [ → 33].
5. Manual care of the push button chuck [ → 35].
6. Pack the instrument in packaging material suitable for sterilization and storage. e.g. paper/plastic composite packaging.
7. Sterilize the instrument [ → 37].

### 7.3

#### **Manual cleaning and disinfection**

**IMPORTANT:** Manual conditioning is possible in exceptional cases if the national/regional regulations are followed. The national/regional regulations are to be checked before.

**NOTICE!** Condition immediately, or at the latest, one hour after treatment.

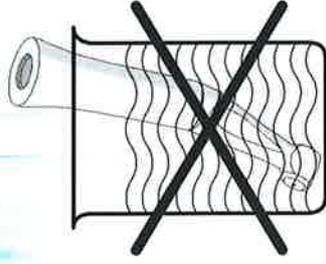
**NOTICE! Never** clean in an ultrasound bath!

**NOTICE! Never** immerse in disinfectant solution!

**NOTICE!** Only use Sirona T1 Spray.

**IMPORTANT:** Use a soft, clean, and disinfected brush for cleaning.

- ✓ Wear appropriate protective clothing.
- ✓ All disinfectants must be approved in your country and have proven bactericidal, fungicidal and virucidal properties. Only use disinfectants with **no** protein-fixing properties.



1. Brush the instrument under running water (< 38 °C, < 100 °F, at least drinking water quality) and good lighting (min. 500 lux) and color rendering index (min. 80 Ra) until no more dirt can be seen, for at least 10 seconds.
2. Flush the drive channels with spray.
3. Conduct thermal disinfection or unwrapped steam sterilization.
4. Maintain mechanical parts manually [ → 33].
5. Maintain the push button chuck manually [ → 35].
6. Pack the instrument in packaging material suitable for sterilization and storage. e.g. paper/plastic composite packaging.
7. Sterilize the adapter [ → 37].

## 7.4 Manual maintenance

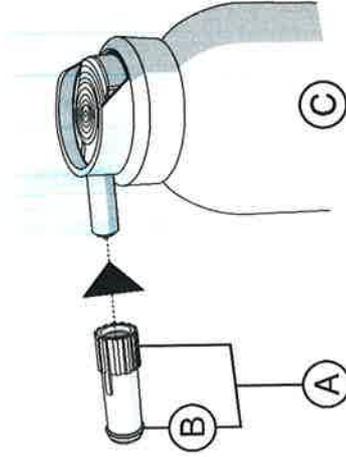
### 7.4.1 Maintenance of mechanical parts

#### Intervals

- At least every noon and evening
- Prior to each sterilization
- After every thermal disinfection without integrated maintenance

#### Required accessories

- A Spray adapter
- B O-ring for spray adapter
- C T1 Spray



**NOTICE!** Only use Sirona T1 Spray.

**Process**

- ✓ The spray adapter is disinfected.
  - ✓ The O-ring on the spray adapter is intact.
1. Fit the spray adapter onto the nozzle of the spray can.
  2. Insert the instrument until it snaps into place and hold it.
  3. Spray the instrument for 1 - 2 seconds.  
**IMPORTANT:** Hold the spray can upright.
  4. Wipe any spray that comes out with a disinfection cloth.
  5. Repeat the process until the spray is clear.



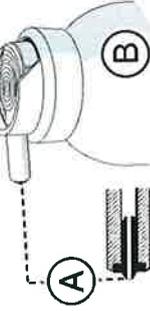
### 7.4.2 Care of the push button chuck

Use Sirona T1 Spray on the push button chuck to remove deposits and ensure proper functioning of the clamping system.

**Interval**

- At least once a week

**Required accessories**



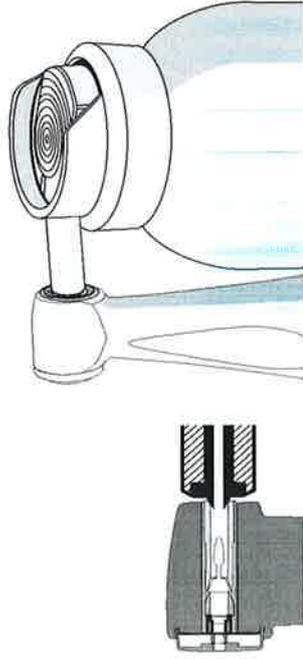
A	Black nozzle insert
B	Sirona T1 Spray

**NOTICE!** Only use Sirona T1 Spray.

**Procedure**

✓ The instrument is clean and disinfected.

1. Press the contra-angle handpiece head with the chuck firmly against the spray can nozzle.
2. Spray the chuck for 1 - 2 seconds.  
**IMPORTANT:** Hold the spray can upright.
3. Wipe any spray that comes out with a disinfection cloth.



## 7.5 Sterilizing

- ✓ The instrument is clean and disinfected.
- ✓ Instrument maintenance is complete.
- ✓ The instrument can be sterilized in packaging suitable for sterilization and storage: paper/plastic composite packaging according to ISO 11607.
- Sterilize the instrument in the steam sterilizer with saturated water vapor.



Overpressure: 2.04 bar (29.59 psi)

Temperature: 134°C (274° F)

Holding time: 3 min.



Steam sterilizers that comply with either EN 13060 class B (for example, DAC PREMIUM / DAC PROFESSIONAL) or EN 13060 class S and are also suitable for the sterilization of straight/contra-angle handpieces are approved.

**NOTICE!** Do not exceed 140°C (284°F), even during the drying phase.

#### After sterilizing

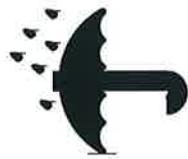
1. Remove the instrument from the steam sterilizer immediately.  
**⚠ CAUTION!** The instrument is hot. Risk of burns!  
**NOTICE!** Do not attempt to accelerate the cooling process by immersing the instrument in cold water. This can damage your instrument.
2. Store all instruments so that they are protected from contamination.
3. Sterilize again once the storage period has elapsed.

## 8 Spare parts and consumables

Use only original Sirona parts or parts approved by Sirona.

	REF		REF
T1 spray (6 x 250 ml cans)	59 01 665	Spray adapter (ISO) for spray can	89 17 858
O-ring for spray adapter	70 36 353	Insulating sleeve for Endo	63 24 631

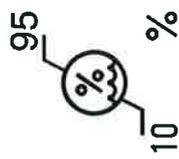
## 9 Storage and transport conditions



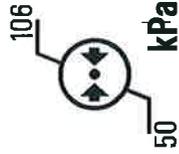
Protect from moisture



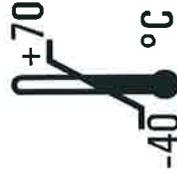
Sensitive contents



Relative humidity



Air pressure



Temperature

After a severe change in temperature, allow sufficient time for acclimation.

## 10 Disposal

- According to current information, the product does not contain any substances that are hazardous to the environment.
- Disinfect the product prior to disposal.
- Observe the applicable disposal regulations for your area.

---

We reserve the right to make any alterations which may be required due to technical improvements.

D3451.201.01.06.02 07.2017

Ä.-Nr.: 124 093

 **Sirona Dental Systems GmbH**

Fabrikstraße 31  
D-64625 Bensheim  
Germany  
[www.sirona.com](http://www.sirona.com)

**in USA:**

**Sirona Dental Systems, LLC**  
4835 Sirona Drive, Suite 100  
Charlotte, NC 28273  
USA  
[www.sirona.com](http://www.sirona.com)

**62 78 381 D3451**

**CE**  
**0123**

THE DENTAL  
SOLUTIONS  
COMPANY™



T1, T2 and T3 instrument series

As individual as your  
own handwriting

[dentsplysirona.com](https://dentsplysirona.com)



# Only the best for every application

For optimum work results, the right instruments are necessary: though only with lightweight and easily handled tools can precise outcomes be achieved. We consistently meet this requirement with our instrument series. Whichever series you choose, you will receive top-quality products that make work enjoyable – for all areas of application and work steps.

Whatever the day brings,  
Dentsply Sirona always  
offers the right solution



Endodontics



Endodontics



Prosthodontics



Implantology



Surgery



# Turbines – very powerful yet very quiet

Our turbine portfolio offers products for every need. They all have one thing in common: complete operating control at maximum output – and, what's more, they are quieter than ever before.



## Every turbine offers:

- up to 25 watts for high torque
- Control arm, thanks to ideal lighting and small head dimensions reduced head volume of up to 11%
- Double baris-vacuum stop (protective head system)
- Robust ceramic ball bearings
- Quick-stop function: quick bur run-down time reduced by up to 50%
- Up to a wear-free quick stop
- Unbelievably low noise output as a result of the 4-nozzle spray
- Hygienic: can be sterilized and thermally disinfected
- Dynamic Speed Control (DSC) for smoother operation at lower rotational speed
- Integri-air water filter



# Every single product boasts excellent quality features



## Small head dimensions

The small head dimensions of the Dentsply Sirona instruments ensure ergonomic comfort and precise results while guaranteeing an optimum view at all times. The head of the mini turbine has a diameter of only 9.7 mm at 21 W power.



## Ergonomic design made of high quality material

Regardless if made fully out of titanium as the T1 Premium class or robust stainless steel with exceptionally good grip, as in the T2 and T3 classes, the materials of the new turbine generation support your work in the best way possible.



## Dynamic Speed Control (DSC)

The DSC ensures that the idling speed of a dental turbine is limited without reducing its power.



## Wear-free Quick Stop

Without mechanical influence, the T1 and T2 Control turbines have a bur run-down time of less than one second.



## Long service life guaranteed

All Dentsply Sirona instruments stand for a long service life with a warranty of at least 12 months.

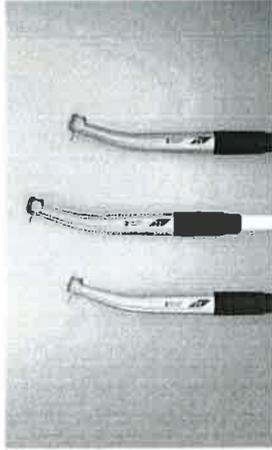


## Strong Grip

The turbines of the T2 and T3 classes are equipped with a surface finish providing an exceptionally strong grip, which supports comfortable working.

## T1 turbines – perfection that fits in your hand

Premium class turbines lie ideally balanced in your hand. Regardless of whether you choose the T1 Control, T1 Boost or T1 mini, all turbines offer high power, provide optimum control at all times and are extremely quiet when working.



### T1 turbines offer these benefits:

- Ergonomic lightweight titanium sleeves 22% lighter than before
- DLC coated ceramic ball bearings\*
- Dynamic Speed Control (DSC) for smoother operation and less tearing
- Economical replacement of the rotor cartridge by the user
- Reduction of head volume at steady or even increased power.

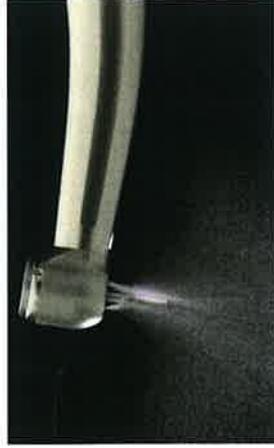
## T2 turbines – quality you can rely on

You can rely on our T2 class turbines for any situation. The continuous high performance, the ergonomic shape together with a surface finish for strong grip, these turbines made of stainless steel are guaranteed to satisfy.



### T2 turbines offer these benefits:

- High robustness due to sleeves made of stainless steel and surface finish for strong grip
- DLC coated ceramic ball bearings\*
- Dynamic Speed Control (DSC) for smoother operation and less tearing
- Suitable for all common quilling versions (Glock, S, W)
- Economical replacement of the rotor cartridge by the user



Low noise level T2 turbines with Aerozip® spray



06 107

The best possible quality made in Germany.

"Made in Germany" – this is Bentsply Sircord's continually renewed brand promise of making customer satisfaction its uppermost priority. The promise is alive and here in Germany, we breathe new life into it on a daily basis. The excellent quality of our instruments is based on three typical German values: thoroughness, reliability and a pioneering spirit.



\*DLC stands for Diamond-Like Carbon, a thin, diamond-like coating on ball bearings

## T3 turbines – quick coupling

The turbines of the T3 class are made of stainless steel, are easy to clean and have a good grip due to a surface finish. Up to 26 watts of power and ceramic ball bearings ensure efficient working in the long run. In other words: lasting efficiency.



**T3 mini:** With the extra small mini head options you receive optimum access to the molar region and an optimal view of the preparation site. T3 mini has an impressive head size (height: 12.7 mm, diameter: 9.2 mm) to torque ratio.

**T3 Boost:** The robust T3 Boost does it all! The stainless steel turbine stands out due to its ease of use and has the required power to satisfy every requirement.

### The T3 turbines also offer:

- A low-vibration clamping system
- Integrated water filter

## T3 turbines – fixed connection

The long-term stable materials ensure that our T3 turbines with fixed connection remain sturdy for years to come. The turbine with 4-nozzle spray is especially quiet and the high-quality sleeve is simple and easy to clean.



**T3 mini:** With the extra small mini head options you have optimum access to the molar region and an optimal view of the preparation site. T3 mini has an impressive head size (height: 12.7 mm, diameter: 10.2 mm) to torque ratio.

**T3 Racer:** With up to 30 watts, the T3 Racer is by far the most powerful fixed connection turbine. This means that you can work even faster and even more efficiently.

### The T3 turbines (fixed connection) also offer:

- Your choice of ratchet 4-hole and Borden 2/3-hole
- A low-vibration clamping system



## T1, T2 and T3 instrument series – your requirements, your choice



### Reliability is a priority.

“I only consider instruments with top-class features and excellent workmanship.”

### Quality counts.

“Instruments with a high degree of functionality and ideal ergonomics are the only right choice for me.”

### Benefit from proven products.

“I will only consider instruments which offer good value for money.”

**T1 Line instrument series –**  
Stay mobile with ease.

**T1 turbine instrument series –**  
Perfection that fits in your hands.

**T2 Line/T2 S-Line instrument series –**  
The comfortable solution.

**T2 turbine instrument series –**  
Quality you can rely on.

**T3 Line/T3 S-Line instrument series –**  
Continued cost-effectiveness.

**T3 turbine instrument series –**  
Quick coupling/fixed connection.



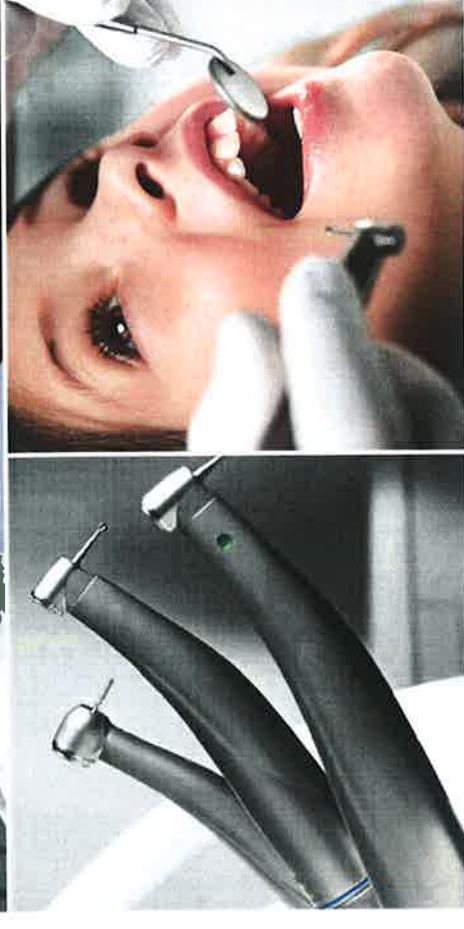
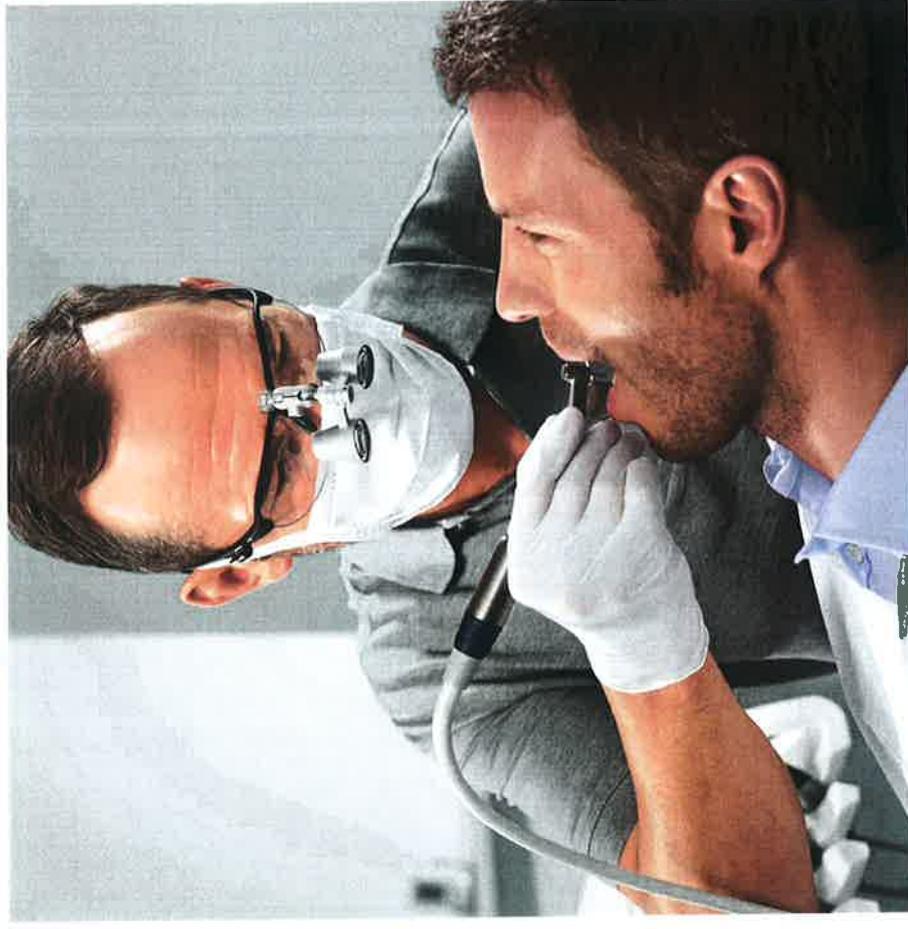
# Straight and contra-angle handpieces - unique in every class

Whether you work with a high-speed handpiece or a low-speed instrument, you can be rest assured of top-class results for all indications.



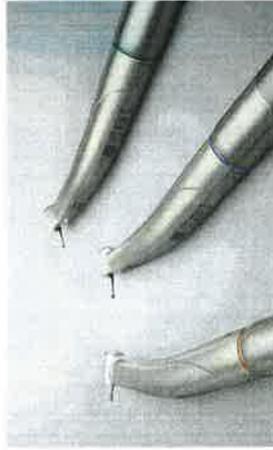
Every straight and contra-angle handpiece offers:

- Perfect hygiene - they can be sterilized and thermally disinfected
- Central air system
- Unbelievably low noise output thanks to the 4-nozzle spray
- Optimal view as a result of small head dimensions
- Ergonomic, lightweight, titanium sleeves



## T1 Line – stay flexible with ease

The high-quality straight and contra-angle handpiece series T1 Line excels due to its ergonomic design. It sits feather-light in your hand thanks to the titanium sleeves. This guarantees fatigue-free working and precise results. You stay flexible with the ISO interface regardless of the treatment center you are using.



### The T1 Line offers you these benefits:

- 3-year warranty
- Longer service life thanks to DLC (Diamond like Carbon) coated ball bearings
- Optimal illumination for an excellent view
- A universal ISO interface
- Adaptability to motors with light thanks to the ISO Slider®

## T2 Line – the comfortable solution

T2 Line is the robust straight and contra-angle handpiece series in the comfort class. Quality and Dentsply Sirona's expertise are combined to create a product series with functionality and reliability to ensure complete focus on the treatment.



### Take advantage of the many convenient features:

- 2-year warranty
- Optimal illumination for an excellent view
- A universal ISO interface
- Adaptability to motors with light thanks to the ISO Slider®



### T2 S-Line:

- Considerably shorter, thus improved ergonomics
- Very light weight thanks to the compact size
- Smallest head dimensions just 8.7 mm in diameter

## T3 Line – continued cost-effectiveness

The straight and contra-angle handpieces of the T3 class with their extremely robust titanium sleeves are sturdy and an investment that will provide satisfaction for years to come.



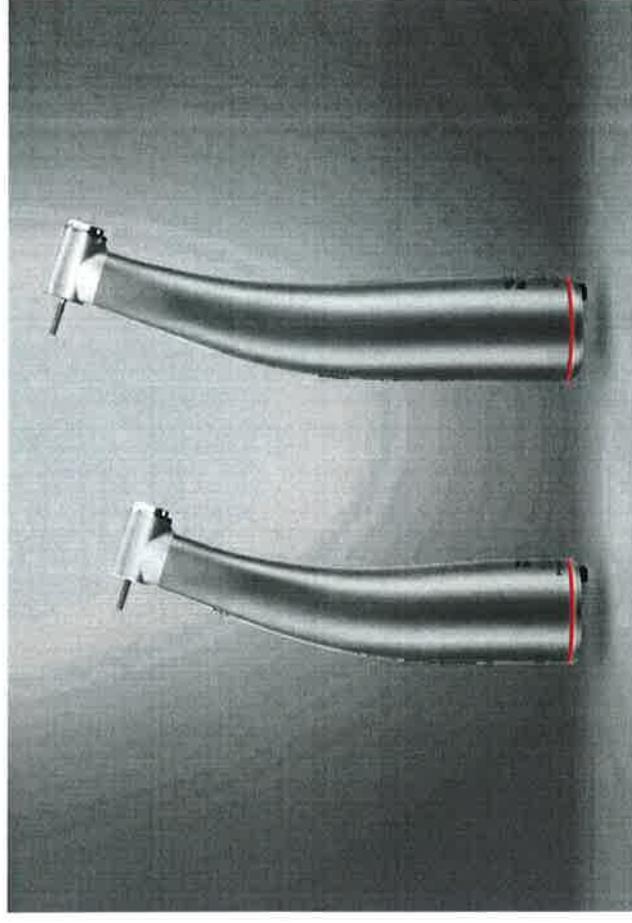
### The T3 Line also offers:

- Universal ISO interface



### T3 S-Line

- Considerably shorter, thus improved ergonomics
- Very lightweight thanks to the compact size
- Smallest head dimensions just 8.7 mm in diameter



Comparison T2 Line and T3 S-Line: 117% shorter\*

## The right contra-angle handpiece for every task

The premium class is Dentsply Sirona's comprehensive range of special contra-angle handpieces. This way, you are guaranteed to find the right solution for every task.



### Prophecy for prophylaxis

The contra-angle handpiece Prophecy enables brilliant outlinings of teeth and material surfaces in connection with ultrasonic and cable.



### EVA 04 L/11 L for micropreparations

Due to the flexibility of the file adjustment, the EVA contra-angle handpiece is especially good for polishing, removing composite residues and smoothing root surfaces.



### Endo L for endodontics

The 2-in-1 root canal preparation principle is based on offering a single contra-angle handpiece that enables efficient use of hand files and mechanically operated steel files.



### Endo 6 L for endodontics/endometry

In combination with the ApexLocator die Endo 6 L, allows for localization of the apex without a file clamp. The extra small head ensures that the dentist has the best possible view of the root canal.





## Want to eliminate infection control risks? Then activate DAC Universal

Comply with infection control standards at the touch of a button and avoid cross-contamination: Be on the safe side with DAC Universal. Patients and staff can rely on this all-round protection and put their complete trust in treatment with reprocessed and thermally disinfected instruments.

### Easy handling

- New design
- Touch display with intuitive user interface
- Guided maintenance workflow Check & Clean

### Cost-effective reprocessing

- Low operating and consumption costs – no use of cleaning and disinfection chemicals and chemocidators
- Low investment costs in instruments thanks to cooling at the end of the process and therefore quick return to service

### Fully automatic reprocessing

- Six instruments in approx. 15 minutes
- Internal and external cleaning, lubrication (if needed) and disinfection\* of straight and contra-angle handpieces, turbines, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces
- Process safety through automatic program selection
- LAN interface for electronic documentation

### Legal certainty

- Cleaning and disinfection process which can be validated
- Cleaning and disinfection process in accordance with EN ISO 15883-1/-2

# Overview of technical data

## T1 Line

Types	Gear ratio/ reduction	Speeds	Head diameter (mm)	Head height (mm)	Features	Indication	Ref.
T1 Line C 200 L	1:5	Up to 3000 or 2000 Gg	Approx. 8.7	Approx. 14.5	Die 1, 6 Fc	Cavity and crown preparation	35 28 452
T1 Line C 40 L	1:1	Up to 300 or 400 Gg	Approx. 8.1	Approx. 12.4	Die 2, 15 / B	Finishing	57 28 437
T1 Line C 6 L	6:1	Up to 300 or 6000	Approx. 8.7	Approx. 12.4	Die 2, 35 / B	Excavating	33 28 429
T1 Line C 15 L	2:1	Up to 300 or 1800	Approx. 8.7	Approx. 12.4	Die 2, 35 WB	Excavating	33 28 111
T1 Line H 40 L	1:1	Up to 300 or 40000	-	-	Die 2, 35 HB/V-B	Preparation	60 31 277

Contrast light handpiece led 1.5 with 4-nozzle spray, contra-angle handpieces blue 11 and green 611 or 2411 with incisor spray handpiece blue 11 with Innozzle spray.

## T1 turbines

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Killing speed (rpm)	Indication
T1 Control	Up to 24	Approx. 11.5	Approx. 15.0	Approx. 11	Approx. 450000	Utility preparation
T1 E-Start	Up to 26	Approx. 11.4	Approx. 12.7	Approx. 44	Approx. 370000	Cavity preparation
T1 Drive	Up to 27	Approx. 9.7	Approx. 12.7	Approx. 43	Approx. 410000	Cavity preparation

## Dentaply Sirens connection

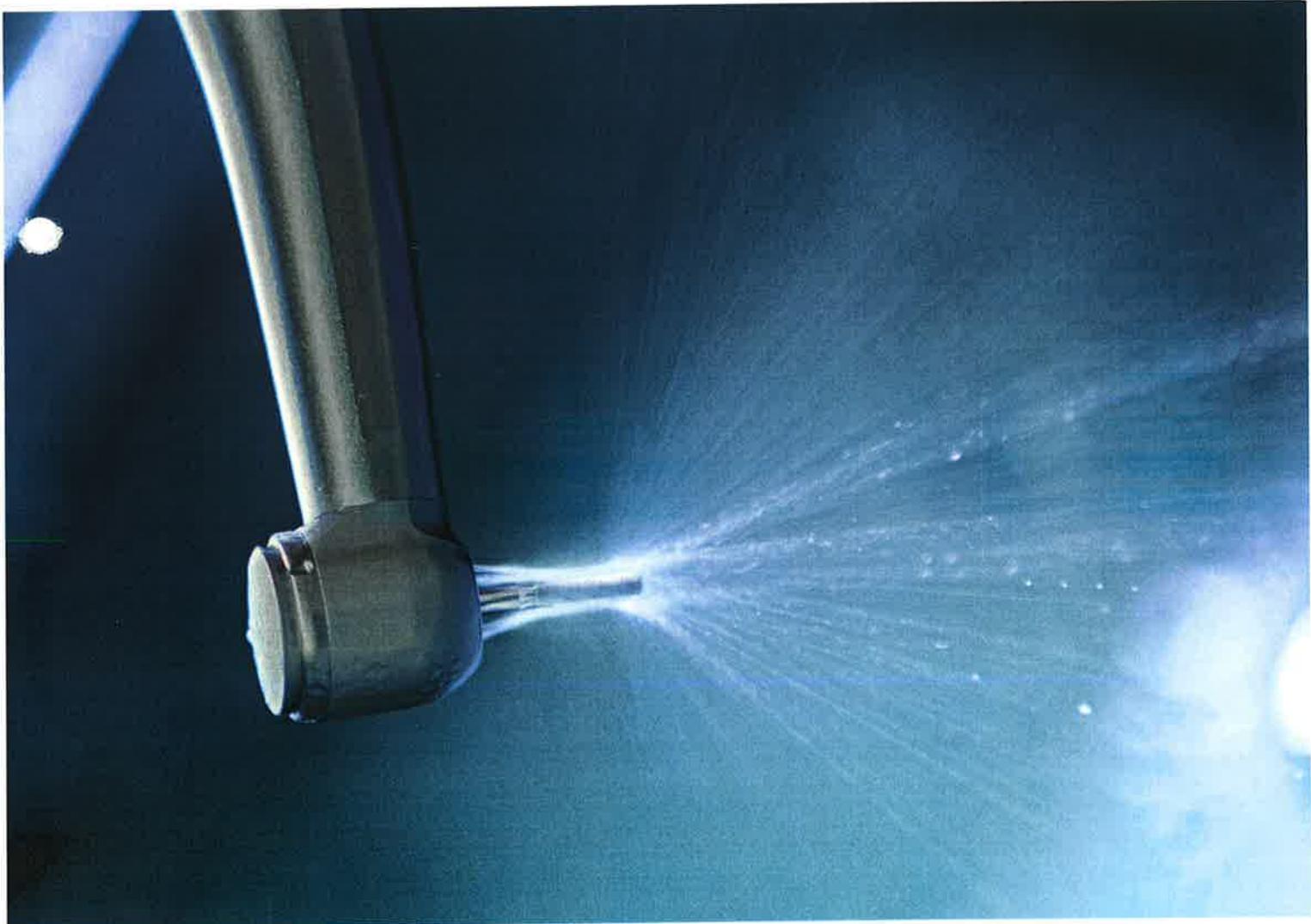
Types/Ref.	Dentaply Sirens connection	KaVo connection
T1 Control	66 89 346	66 89 363
T1 E-Start	66 89 399	66 89 405
T1 Drive	66 89 421	66 89 462

## Dentaply Sirens quick coupling/Ref.

Types	R, with return airflow	R (LED), with return airflow	F, without return airflow
4-nozzle standard interface with light spray control and back suction stop	18 94 588	63 19 726	41 74 467

## Special contra-angle handpieces

Types	Gear ratio/ reduction	Speeds/cycles	Features	T1 Classic Ref.	T1 Line Ref.	Indication
Propity	2.4:1	Up to approx. 5000	Stroke 0.5 mm (H)	58 09 276	18 94 991	Prophylaxis
EVA 04 L	-	Stroke 0.4 mm	-	58 99 287	37 29 280	Polishing
EVA 11 L	-	Stroke 1.1 mm	-	58 99 242	41 77 010	Polishing
Endo L	-	Motion 130°	Steel die, 3.6-4.0/ Adapter dia. 2.55	58 99 260	56 69 552	Endodontics
Endo 61	3:1	Up to approx. 6000	Dia. 1.35 VFR	-	05 77 191	Endodontics



# Overview of technical data

## T2 Line

Types	Gear ratio/reduction	Speeds	Head diameter (mm)	Head height (mm)	Features	Indication	Ref.
T2 Line A 200 L	1:5	Up to approx. 200,000	Approx. 87	Approx. 4,8	Dia 1,6 FG	Cavity and crown preparation	63 76 177
T2 Line A 40 L	1:1	Up to approx. 40,000	Approx. 87	Approx. 12,4	Die 2,35 VB	Finishing	63 76 184
T2 Line A 6 L	6:1	Up to approx. 6,000	Approx. 87	Approx. 12,4	Die 2,35 WE	Excavating	63 76 193
T2 Line A 140 J	1:1	Up to approx. 40,000	-	-	Die 2,35 HB/VB	Preparation	63 76 70

Contra-angle handpieces are red 1:5 with 1-nozzle spray, contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray, handpiece blue 1:1 with 1-nozzle spray

## T2 S-Line

Types	Gear ratio/reduction	Speeds	Head diameter (mm)	Head height (mm)	Features	Indication	Ref.
T2 S-Line AS 200 L	1:5	Up to approx. 200,000	Approx. 87	Approx. 4,8	Dia 1,6 FG	Cavity and crown preparation	65 76 065
T2 S-Line AS 40 L	1:1	Up to approx. 40,000	Approx. 87	Approx. 12,4	Die 2,35 WF	Finishing	65 76 073
T2 S-Line AS 6 L	6:1	Up to approx. 6,000	Approx. 87	Approx. 12,4	Die 2,35 WE	Excavating	65 76 081

Contra-angle handpiece are red 1:5 with 4-nozzle spray, contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray

## T2 turbines

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)	Indication
T2 Control	Up to 22	Approx. 11,9	Approx. 13,0	Approx. 54	Approx. 250,000	Cavity preparation
T2 Boost	Up to 22	Approx. 11,9	Approx. 13,0	Approx. 54	Approx. 370,000	Cavity preparation
T2 mini	Up to 21	Approx. 9,7	Approx. 12,7	Approx. 53	Approx. 410,000	Cavity preparation

Types/ref.	Dentsply Sirona connection	KaVo connection	W&H connection	NSK connection
T2 Control	66 89 520	66 89 546	66 89 5E1	66 89 603
T2 Boost	66 89 529	66 89 637	66 89 642	66 89 678
T2 mini	66 89 702	66 89 744	66 89 769	66 89 785

Dentsply Sirona quick coupling/ref.	R (LED) with return airflow	F without return airflow
	18 94 568	63 19 705
		47 44 487

Flow sensor interface with light lock cable and truck lock cable

## T3 Line

Types	Gear ratio/reduction	Speeds	Head diameter (mm)	Head height (mm)	Features	Indication	Ref.
T3 Line E 200	1:5	Up to approx. 200,000	Approx. 87	Approx. 14,6	Die 1,6 FG	Cavity and crown preparation	63 92 679
T3 Line E 40	1:1	Up to approx. 40,000	Approx. 87	Approx. 12,4	Die 2,35 VB	Finishing	63 92 687
T3 Line E 6	6:1	Up to approx. 6,000	Approx. 87	Approx. 12,4	Die 2,35 VB	Excavating	63 92 695
T3 Line EH 40	1:1	Up to approx. 40,000	-	-	Die 2,35 HB/VB	Preparation	63 92 711

T3 Line Contra-angle handpieces, red 1:5 with 4-nozzle spray, contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray.

## T3 S-Line

Types	Gear ratio/reduction	Speeds	Head diameter (mm)	Head height (mm)	Features	Indication	Ref.
T3 S-Line ES 200	1:5	Up to approx. 200,000	Approx. 87	Approx. 14,6	Die 1,6 FG	Cavity preparation	65 76 723
T3 S-Line FS 40	1:1	Up to approx. 40,000	Approx. 87	Approx. 12,4	Die 2,35 WF	Finishing	65 76 731
T3 S-Line ES 6	6:1	Up to approx. 6,000	Approx. 87	Approx. 12,4	Die 2,35 VB	Excavating	65 76 749

T3 S-Line Contra-angle handpieces, red 1:5 with 4-nozzle spray, contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray

## T3 turbines – quick coupling

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)	Indication
T3 Boost	Up to 26	Approx. 11,4	Approx. 13,0	Approx. 54	Approx. 370,000	Cavity preparation
T3 mini	Up to 21	Approx. 9,7	Approx. 12,7	Approx. 53	Approx. 410,000	Cavity preparation

Types/ref.	Dentsply Sirona connection	KaVo connection
T3 Boost	66 89 801	66 89 827
T3 mini	66 89 842	66 89 868

## Dentsply Sirona quick coupling/ref.

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)	Features (mm)	Indication	Ref.
T3 Boost	Up to 30	Approx. 11,9	Approx. 13,0	Approx. 76	Approx. 400,000	1,6 F-3	Cavity preparation	64 60 365
T3 Boost	Up to 30	Approx. 11,9	Approx. 13,0	Approx. 76	Approx. 400,000	1,6 F-5	Cavity preparation	64 60 427
T3 mini	Up to 24	Approx. 10,2	Approx. 12,7	Approx. 47	Approx. 410,000	1,6 F-3	Cavity preparation	66 01 731
T3 mini	Up to 24	Approx. 10,2	Approx. 12,7	Approx. 47	Approx. 410,000	1,6 F-5	Cavity preparation	66 01 756

4-hole standard interface with light spray control and back suction stop

47 44 487

## T3 turbines – fix connection

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)	Features (mm)	Indication	Ref.
T3 Boost	Up to 30	Approx. 11,9	Approx. 13,0	Approx. 76	Approx. 400,000	1,6 F-3	Cavity preparation	64 60 365
T3 Boost	Up to 30	Approx. 11,9	Approx. 13,0	Approx. 76	Approx. 400,000	1,6 F-5	Cavity preparation	64 60 427
T3 mini	Up to 24	Approx. 10,2	Approx. 12,7	Approx. 47	Approx. 410,000	1,6 F-3	Cavity preparation	66 01 731
T3 mini	Up to 24	Approx. 10,2	Approx. 12,7	Approx. 47	Approx. 410,000	1,6 F-5	Cavity preparation	66 01 756

47 44 487



**Dentsply Sirona**

Sirona Dental Systems GmbH  
Fabrikstraße 31, 64625 Bensheim, Germany  
dentsplysirona.com

**Procedural Solutions**

- Preventive
- Restorative
- Orthodontics
- Endodontics
- Implants
- Prosthetics

**Enabling Technologies**

- CAD/CAM
- Imaging
- Treatment Centers
- Instruments



Dokumentą elektroniniu  
parašu pasirašė  
GIEDRIUS, KALINAUSKAS  
Data: 2020-09-21 00:24:14  
Paskirtis: Vertimas tikras

THE DENTAL  
SOLUTIONS  
COMPANY™

 Dentsply  
Sirona

Innovative instruments and table-top units  
Comfort and convenience  
at your fingertips

[dentsplysirona.com](https://dentsplysirona.com)



#### Procedural Solutions

Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

#### Enabling Technologies

CAD/CAM  
Imaging  
Treatment Centers  
Instruments

#### Dentsply Sirona

Sirona Dental Systems GmbH  
Fabrikstraße 31, 64625 Bensheim, Germany  
[dentsplysirona.com](https://dentsplysirona.com)

THE DENTAL  
SOLUTIONS  
COMPANY™

 Dentsply  
Sirona

Subject to technical changes and errors in the text. Order No. A91100-1445-C052-01-7500. Printed in Germany. Dispo No. 04603. CE/117 WS 0217V0



## Product Overview

<b>Caries control</b>	<b>06</b>
SiroInspect	06-09
<b>Turbines</b>	<b>14</b>
T1 Turbines	16-17
T2 Turbines	18-19
T3 Turbines	20-23
T4 Turbines	24-25
<b>Straight and contra-angle handpieces</b>	<b>26</b>
T1 Classic	28-29
T1 Line	30-31
T2 Line/T2 S-Line	32-35
T3 Line/T3 S-Line	36-39
T4 Line	40-41
Special instruments	42-43
Implant 20:1	44-45
<b>Endo motor and contra-angle handpieces</b>	<b>46</b>
SiroNiTi Apex/Air Plus Apex	46-49
SiroEndo Pocket	50-52
Endo 6:1	53
<b>Diode laser</b>	<b>54</b>
SiroLaser Blue	54-57
SiroLaser Advance Plus	58-61
SiroLaser Xtend	62-63
<b>Scaler and tips</b>	<b>64</b>
PerioSonic/SiroSonic/L/TL	64-66
Tips	67-69
<b>Motors/Syringes</b>	<b>70</b>
Motor SL/SL ISO	71
Motor BL/BL E/BL ISO C/E/BL Implant	72-73
Sprayvit E/M	74-75
<b>Hygiene systems</b>	<b>76</b>
DAC Universal	78-83
DAC Premium/DAC Premium Plus	84-85
DAC Professional/DAC Professional Plus	86-87
SiroSeal Professional/SiroSeal Premium	88-89
Water treatment	90-92

Paper versions of the instructions may not be available for all of these products. You can easily download an electronic PDF version of these instructions at [www.dentsplysirona.com/manuals](http://www.dentsplysirona.com/manuals).

## Products and applications – everything under control



### Cavity preparation

#### Straight and contra-angle handpieces

- T1 Classic
- T1 Line
- T2 Line/T2 S-Line
- T3 Line/T3 S-Line
- T4 Line

#### Turbines

- T1 Turbines
- T2 Turbines
- T3 Turbines
- T4 Turbines

#### Caries control

- SiroInspect

#### Scaler and tips

- PerioSonic
- SiroSonic/L/TL
- Tips

### Endodontics

#### Straight and contra-angle handpieces

- T1 Classic
- T1 Line

#### Endo motor and contra-angle handpieces

- SiroNiTi Apex/Air Plus Apex
- SiroEndo Pocket
- Endo 6:1

#### Diode laser

- SiroLaser Blue
- SiroLaser Advance Plus
- SiroLaser Xtend

#### Scaler and tips

- PerioSonic
- SiroSonic/L/TL
- Tips

### Prophylaxis

#### Straight and contra-angle handpieces

- T1 Classic
- T1 Line
- T2 Line/T2 S-Line
- T3 Line/T3 S-Line
- T4 Line

#### Scaler and tips

- PerioSonic
- SiroSonic/L/TL
- Tips

### Periodontology

#### Diode laser

- SiroLaser Blue
- SiroLaser Advance Plus
- SiroLaser Xtend

#### Scaler and tips

- PerioSonic
- SiroSonic/L/TL
- Tips

### Implantology/Surgery

#### Contra-angle handpieces

- T1 Classic KM 1,6 L
- Implant 20:1

#### Diode laser

- SiroLaser Blue
- SiroLaser Advance Plus
- SiroLaser Xtend

#### Scaler and tips

- PerioSonic
- SiroSonic/L/TL
- Tips

### In general

#### Hygiene systems

- DAC Universal
- DAC Premium/  
DAC Premium Plus
- DAC Professional/  
DAC Professional Plus
- SiroSeal Professional/  
SiroSeal Premium
- Water treatment

#### Motors

- Motor SL/SL ISO
- Motor BL/BL E/BL ISO  
C/E/BL Implant

#### Syringes

- Sprayvit E/M

## SiroInspect – don't let checkups become a matter of luck

With SiroInspect you can be sure of recognising caries quickly and simply during dental excavation. Unlike manual staining, for example, you are able to see straight away whether any treatment is needed: red-fluorescent light indicates all carious areas on a large scale. It will be easy for you to make the right decision and you will know with certainty to what extent existing caries has to be excavated. And there will be no change to the sequence of your normal working routine – simply switch on the probe, carry out your checkup and then treat as usual.

### Your advantages at a glance:

The advantages are on your side with SiroInspect, because working with SiroInspect means safe, quick, and easy checkups.

#### Safe

SiroInspect is a reliable aid for your decisions. Making your work minimally invasive and patient friendly.

#### Fast

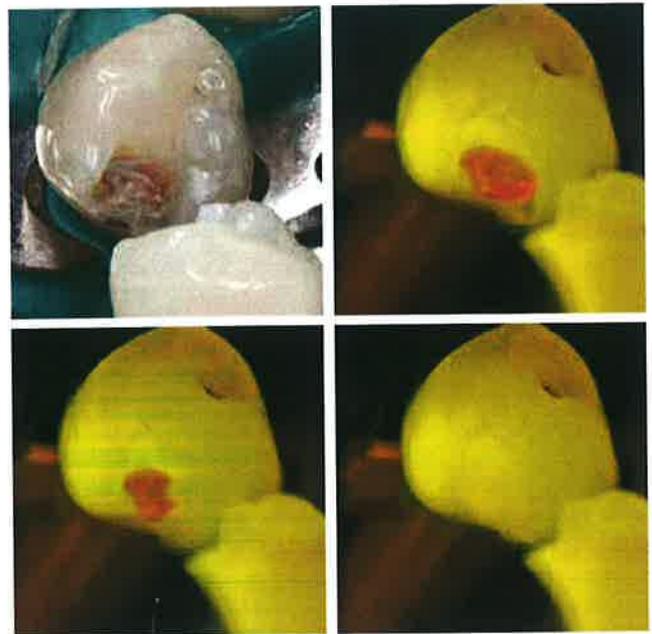
It takes a few seconds for stains to work. SiroInspect needs just the simple press of a button – and you will immediately see where excavation is needed.

#### Simple

SiroInspect is easy to operate and can be flexibly integrated into your workflow. Its cable-free operation enables you to **treat** in more than one room with a single instrument.

## Red fluorescence for caries – and your check-up becomes a mere “thumbs up”

During excavation the probe illuminates the tooth with violet light (approx. 405 nm). This stimulates both decomposition products of caries bacteria as well as healthy dentine to fluoresce. The “clip on filter” supplied with the SiroInspect filters out short wavelengths below 500 nm. Light of higher wavelengths remains visible thanks to the filter. In this way, red fluorescing carious areas can be recognised both quickly and safely. Healthy tooth material differs in this respect by fluorescing green.



© Prof. Dr. Wolfgang Buchalla



98% of red-fluorescing dentin were clearly associated with porphyrins, decomposition products of caries bacteria.\*

\* Buchalla, Porphyrins are the Cause of Red Fluorescence of Carious Dentine. Verified by Gradient Reversed-Phase HPLC, 2008.

## SirolInspect - tried and tested

Our innovations are subjected to numerous tests before being brought to the market. SirolInspect and FACE® technology were also put through their paces in various scientific trials and user studies to check for any teething problems. The result: SirolInspect with FACE® technology works with greater reliability than other control methods for the prevention of secondary caries.

### Advantages compared to conventional methods

System	Sensitivity	
	Study*	Study**
SirolInspect with FACE® technology	94%	100%
Tactile probe	76%	89%
Caries detector	65%	78%

System	Specificity	
	Study*	Study**
SirolInspect with FACE® technology	83%	91%
Tactile probe	65%	77%
Caries detector	17%	27%

\* Lennon, Residual Caries Detection Using visible Fluorescence, 2002.

\*\* Buchalla, Luminescence Assisted Caries Excavation, 2004.

### Everything you need - scope of delivery and accessories

Scope of delivery	Ref.
SirolInspect (incl. probe, battery charger with power adapter, 2 rechargeable batteries, 2 fibre optic sources 90°-sterilizable, 2 clip on filters, clinical guideline)	63 25 174
SirolInspect GB	64 08 749
SirolInspect USA, CA	64 08 756
SirolInspect AUS	64 08 764

### Accessories

Accessory	Ref.
Charging station	63 75 435
Probe, complete (body, fibre optic source 90°, rechargeable batteries, 2 clip on filters)	63 75 534
Body (without fibre optic source, without rechargeable batteries)	63 75 401
Fibre optic source 90°	63 75 419
Fibre optic source 90° (pack of 3)	63 75 484
Fibre optic source 140°	63 75 542
Fibre optic source 140° (pack of 3)	63 75 559
Diagnostic glasses (orange)	63 75 518
Rechargeable batteries	63 75 443
Clip on filter (2 pcs.)	64 30 057

## Only the best for every application

For optimal work results, you need the right instruments, but you will only achieve precise results if these instruments are lightweight and easy to use. We consistently meet this requirement with our instrument series. Whichever series you choose, you will receive top-quality products that make your work enjoyable – for all application areas and workflow steps.

No matter what the day brings,  
Dentsply Sirona always has the right solution



Cavity and crown preparation



Endodontics



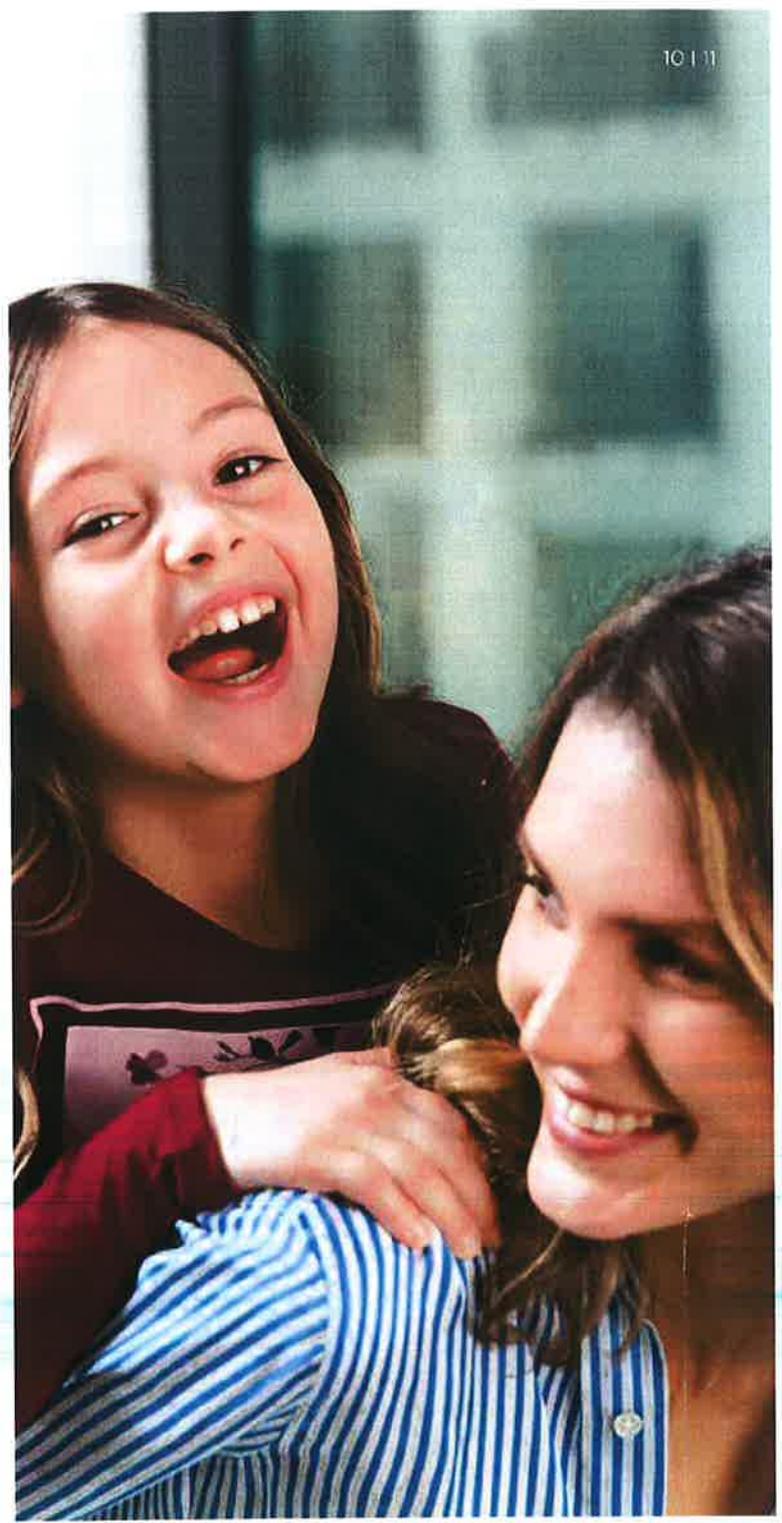
Prophylaxis



Implantology



Surgery

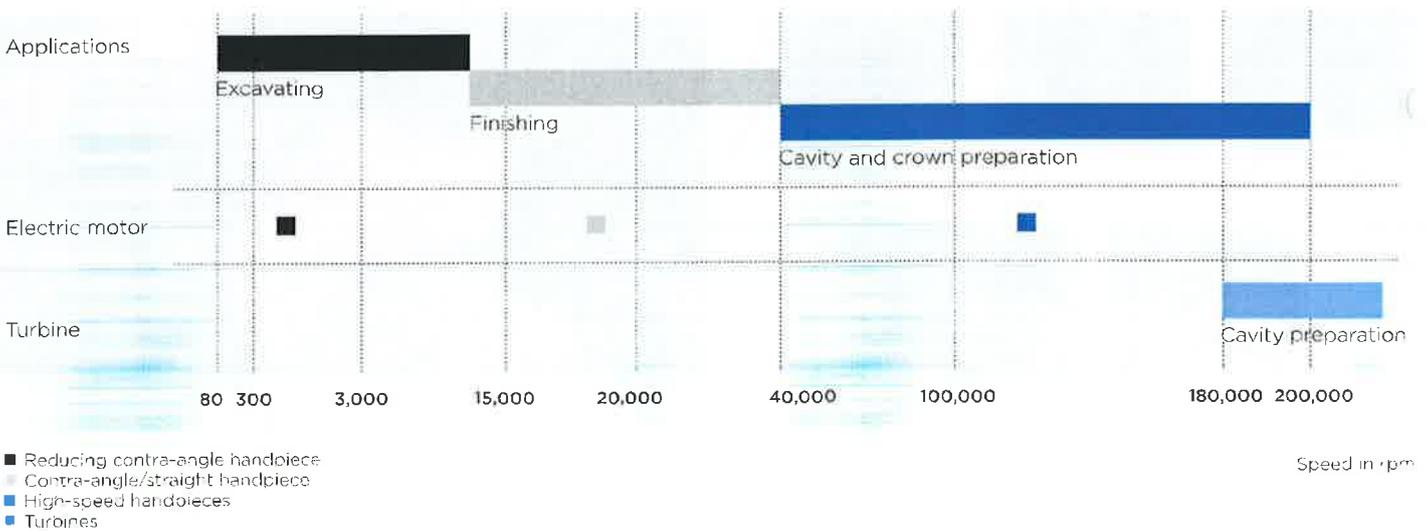


## Always the right speed for the best efficiency.

What tasks are the different standard instruments suitable for? Straight and contra-angle handpieces with different speed ranges and turbines are used depending on the desired application.



### Instrument classes - application and speed range



## Turbines – the power of silence

The extensive portfolio of Dentsply Sirona turbines offers dental turbines for every possible wish. All the turbines have one thing in common: complete operating control at maximum output – and with the 4-nozzle spray quieter than ever. Simply choose your favorites within the available T-Classes according to your personal preferences and method of working.

Whether which turbine you prefer, Dentsply Sirona suits each individual demand. With the exclusive Click & Go interfaces the Dentsply Sirona turbines are compatible with all the popular types of coupling. This allows you to swap turbines in seconds – at no extra cost.

### **T1 – Reliability is a priority**

T1 turbines are excellent manufactured and are top-of-the-line equipment.

### **T2 – Quality counts**

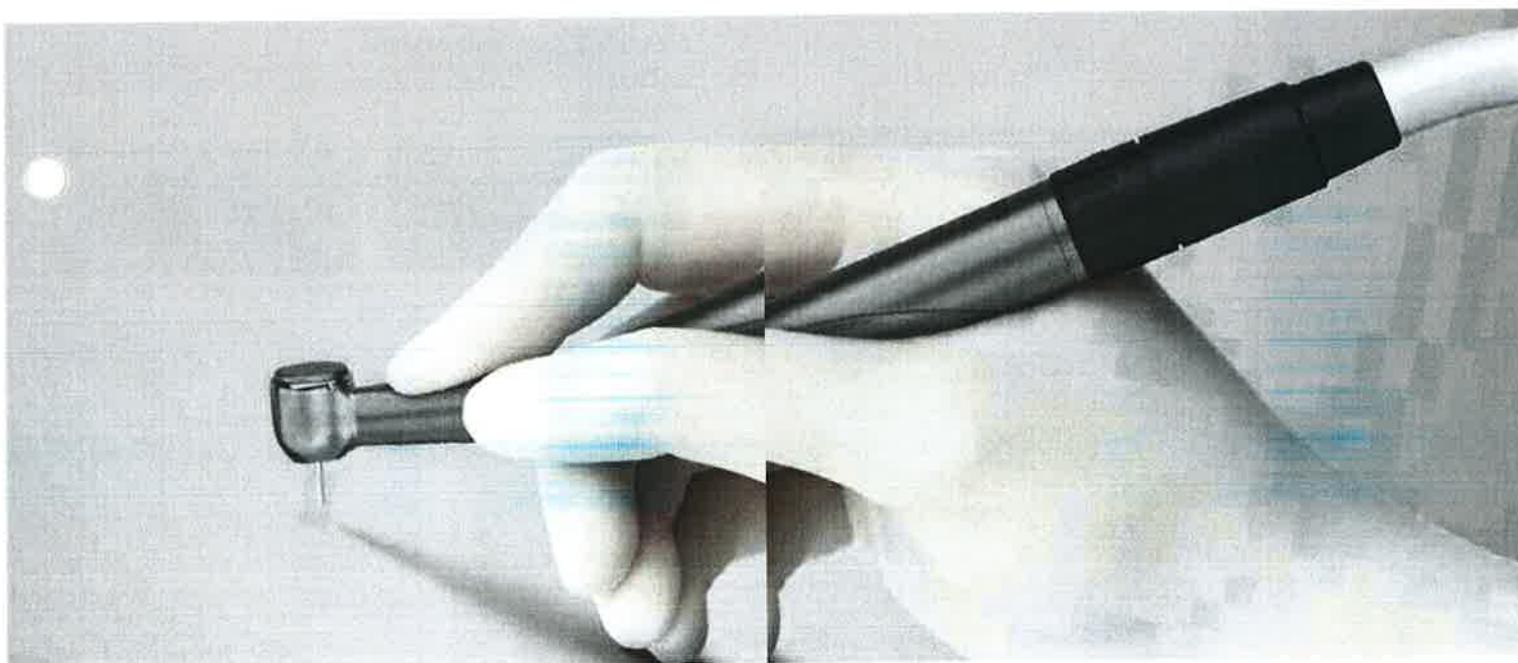
T2 turbines feature high functionality and ideal ergonomics.

### **T3 – Benefit from proven products**

T3 turbines have a good price-performance ratio.

### **T4 – The entrance to the Dentsply Sirona world**

Dentsply Sirona T4 turbines stand for reliable quality made in Germany.



## T1 turbines – precision in the palm of your hand

T1 class turbines lie ideally balanced in your hand. Regardless of whether you choose the T1 Control, T1 Boost, or T1 mini, all turbines offer high performance, give you optimal control at all times, and are extremely quiet during operation.

- Up to 23 watts for high torque
- Optimal view thanks to ideal lighting and small head dimensions
- Double back-suction stop (protective head system)
- Quick-stop function: quick burr run-down time
- Unbelievably quiet thanks to the 4-nozzle spray
- Hygienic: can be sterilized and thermally disinfected
- Ergonomic, lightweight titanium sleeves
- DLC coated ceramic ball bearings
- Control function: continuous operation at low noise level
- Suitable for all common quick-coupling versions (Click & Go)
- Economical replacement of the rotor cartridge by the user

\* Longer service life due to DLC (diamond-like carbon) coated ball bearings

### T1 turbines – overview of technical data\*

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)
T1 Control	✳ - 22	- 12,4	- 13,8	- 56	- 250.000
T1 Boost	✳ - 23	- 11,9	- 13,0	- 55	- 370.000
T1 mini	✳ - 20	- 10,2	- 12,7	- 54	- 400.000

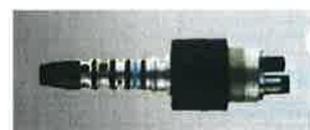
Interface type	Ref.		
	T1 Control	T1 Boost	T1 mini
Dentsply Sirona	63 86 598	63 86 606	63 86 630
KaVo	63 86 754	63 86 911	63 86 994
W&H	63 86 770	63 86 929	63 87 000
NSK	63 86 812	63 86 937	63 87 018

#### F/B Dentsply Sirona quick coupling:

4-hole standard interface with light, spray control, and back-suction stop RR (LED): for instruments with a return air duct F; for instruments without a return air duct



R Ref. 18 94 583  
R (LED): Ref. 63 19 706



F: Ref. 41 74 467



The 4-nozzle spray makes the T1 turbines the quietest in their class.

**2**-year  
warranty



## T2 turbines - quality you can rely on

You can rely on our T2 Class turbines in any situation. The continuous high performance, the ergonomic shape together with the titanium-coated exterior sleeve and the robust workmanship of our turbines are guaranteed to not let you down.

- Up to 23 watts for high torque
- Optimal view thanks to ideal lighting and small head dimensions
- Double back-suction stop (protective head system)
- Robust ceramic ball bearings
- Quick-stop function: quick burr run-down time
- Unbelievably quiet thanks to the 4-nozzle spray
- Hygienic: can be sterilized and thermally disinfected
- Easy-to-grip titanium-coated sleeve
- Control function: continuous operation at low noise level
- Suitable for all common quick-coupling versions (Click & Go)
- Economical replacement of the rotor cartridge by the user

### T2 turbines - overview of technical data

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Idling speed (rpm)
T2 Control	✳ 22	12.4	13.8	57	250.000
T2 Boost	✳ 23	11.9	13.0	56	370.000
T2 mini	✳ 20	10.2	12.7	55	400.000

Interface type	Ref.		
	T2 Control	T2 Boost	T2 mini
Dentsply Sirona	63 86 648	63 86 655	63 86 663
Kavo	63 87 737	63 87 778	63 87 802
W&H	63 87 752	63 87 786	63 87 810
NSK	63 87 760	63 87 794	63 87 828

#### F/B Dentsply Sirona quick coupling:

4-hole standard interface with light, spray control, and back-suction stop RR (LED); for instruments with a return air duct F: for instruments without a return air duct



R: Ref. 18 94 588  
R (LED): Ref. 63 19 706



F: Ref. 41 74 467



Low noise level  
T2 turbines with 4-nozzle spray

**2**-year  
warranty



## T3 Turbines – quick coupling

The titanium-coated turbines of the T3 Class are easy to clean and have a good grip. Up to 23 watts of power and ceramic ball bearings ensure efficient work for a long time. In other words: lasting efficiency.

**T3 mini:** With the extra small mini head options you get optimum access to the molar region and an optimal view of the preparation site. T3 mini has an impressive head size (height: 12.7 mm, diameter: 10,2 mm) to torque ratio.

**T3 Boost:** The robust T3 Boost does it all! The titanium-plated turbine stands out due to its ease of use and has the required power to satisfy every requirement.

- Up to 25 watts for high torque
- Optimal view thanks to ideal lighting and small head dimensions
- Double back-suction stop (protective head system)
- Robust ceramic ball bearings
- Quick-stop function, quick burr run-down time
- Unbelievably quiet thanks to the 4-nozzle spray
- Hygienic: can be sterilized and thermally disinfected
- Suitable for all common quick-coupling versions (Click & Go)
- Clamping system with low vibration



### T3 Turbines – quick coupling Technical data overview:

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)
T3 Boost	-23	- 11.9	- 13.0	- 56
T3 mini	-20	- 10.2	- 12.7	- 55

Types	Speed (min <sup>-1</sup> )	Spray	Equipment (mm)	Indication
T3 Boost	-370.000	4	1,6 FG	Cavity preparation
T3 mini	-400.000	4	1,6 FG	Cavity preparation

Types/Ref.	Sirona interface	KaVo interface	W&H interface	NSK interface
T3 Boost	63 87 919	63 87 927	63 87 935	63 87 943
T3 mini	63 87 950	63 87 968	63 87 976	63 87 984

#### Dentsply Sirona - quick coupling:

4 hole standard! connection without light, without spray regulation and with anti-retraction stop



B. units without exhaust of drive air; Ref. 58 61 724



Extremely quiet  
T3 Turbines with 4-nozzle spray

**1** Year  
Guarantee

# T3 Turbines – fixed connection

The long term stable materials ensure that our T3 Turbines with fixed connection remain sturdy for years to come. The turbine with 4-nozzle spray is especially quiet and the high-quality sleeve is simple and easy to clean.

**T3 Racer:** With up to 30 watts, the T3 Racer is by far the most powerful fixed connection turbine. This means that you can work even faster and even more efficiently.

**T3 mini:** With the extra small mini head options you get optimum access to the molar region and an optimal view of the preparation site, T3 mini has an impressive head size (height: 12.7 mm, diameter: 10.2 mm) to torque ratio.

- Quality "Made in Germany"
- Most powerful turbine with 30 watts
- Very silent thanks to 4-nozzle spray
- Stainless steel, long term stable material
- Durable ceramic ball bearings
- Small head dimensions for better visibility and access
- Protective Head System (PHS) for a lower risk of cross-contamination
- Quick stop function (QSF) allowing for faster stop of the burr
- Clamping system with low vibrations for more precision
- Hygiene: can be sterilized and thermally disinfected

## T3 Turbines – fixed connection Technical data overview:

Types	Power (W)	Head diameter (mm)	Head height (mm)	Weight (g)	Speed (min <sup>-1</sup> )
T3 Racer Midwest	-30	- 11,9	- 13,0	- 46	-400,000
T3 Racer Borden	-30	- 11,9	- 13,0	- 46	-400,000
T3 mini Midwest	-24	- 10,2	- 12,7	- 47	-410,000
T3 mini Borden	-24	- 10,2	- 12,7	- 47	-410,000

Types	Spray	Equip-ment (mm)	Indication	Ref.
T3 Racer Midwest	4	1,6 FG	Cavity preparation	64 60 385
T3 Racer Borden	4	1,6 FG	Cavity preparation	64 60 427
T3 mini Midwest	4	1,6 FG	Cavity preparation	66 01 731
T3 mini Borden	4	1,6 FG	Cavity preparation	66 01 756



ISO 4-hole

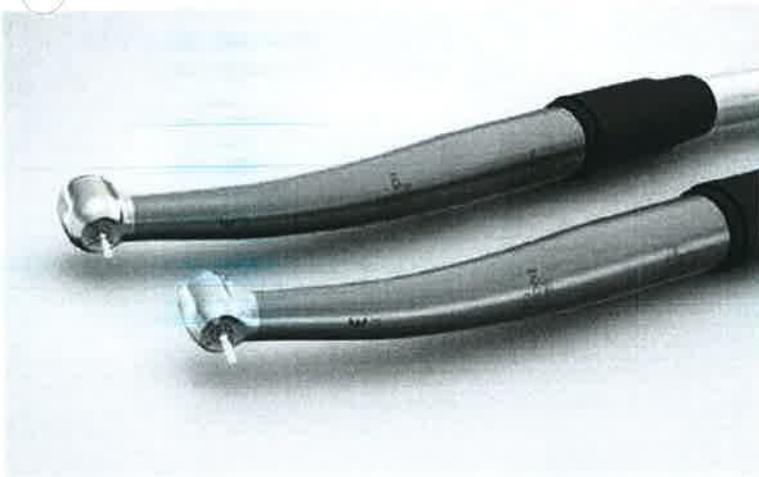


Borden 2/3-hole



Extremely quiet T3 Turbines with 4-nozzle spray

**1** Year Guarantee



## T4 Turbines\* – the entrance to the Dentsply Sirona world

The turbine of the T4 class convinces with its combination of an essential design and exceptional high power level of up to 26 watts. Regardless which treatment unit you use, with Midwest 4-hole and Borden 2/3-hole you have always the right choice.

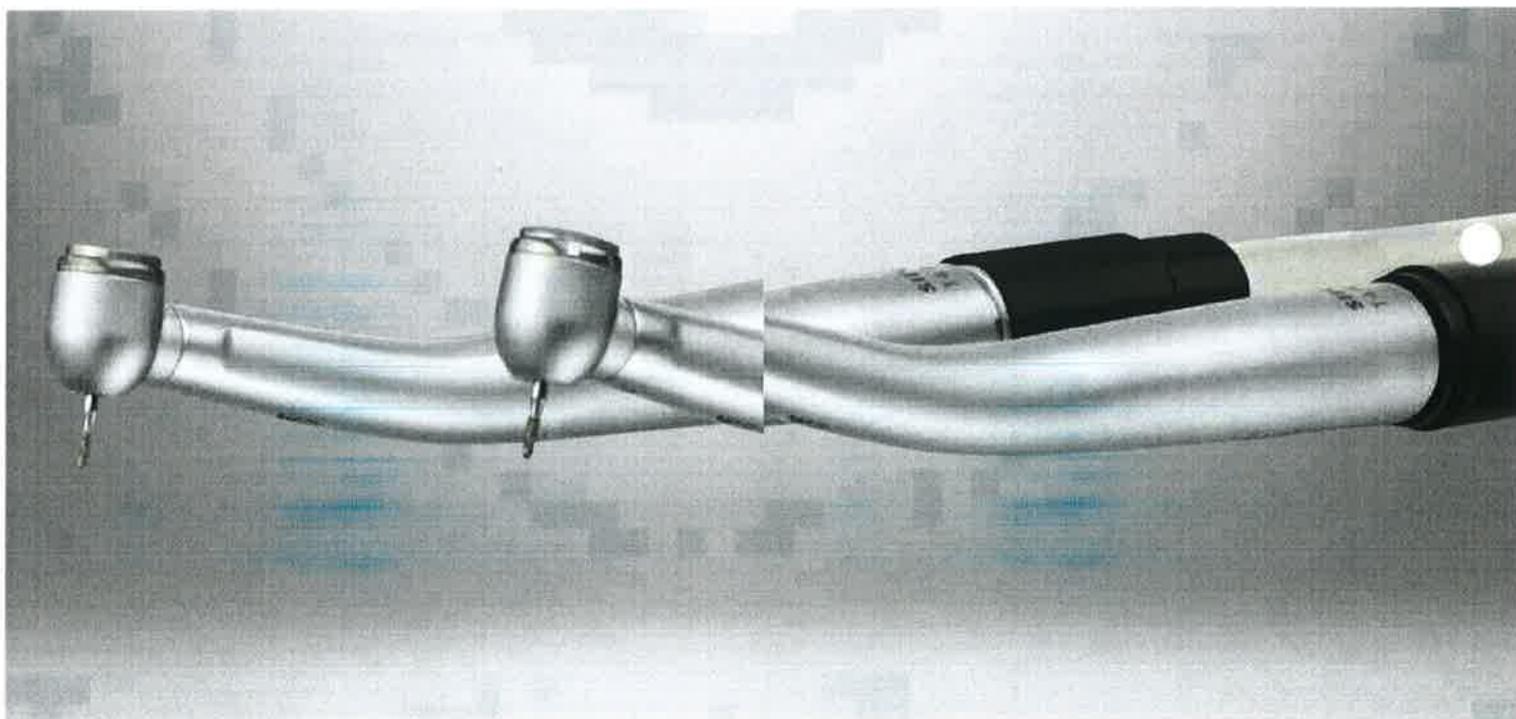
- Essential design out of stainless steel
- Ceramic ball bearings
- Single spray
- Up to 26 watts
- Push button chuck

\* Not available in all countries.

### T4 Turbines – Technical data overview:

Types	Head diameter (mm)	Head height (mm)	Weight (g)	Speed (min <sup>-1</sup> )
T4 Racer Midwest	- 11,9	- 13	- 48	-400.000
T4 Racer Borden	- 11,9	- 13	- 48	-400.000

Types	Spray	Equipment (mm)	Ref.	Ref. Package of 25
T4 Racer Midwest	Single	1,6 FG	66 24 394	63 86 234
T4 Racer Borden	Single	1,6 FG	66 24 402	64 12 816



## Straight and contra-angle handpieces – unique in every class

The straight and contra-angle handpiece program from Dentsply Sirona is characterized by high flexibility. Straight and contra-angle handpieces from Dentsply Sirona are the perfect tools for standard preparations like e.g. processing fissures, removing tooth enamel and dentine, refining the edge of the cavity or placing pins. With their vast variety of versions they are also ideal for prosthodontics, micropreparation, surgery, endodontics and prophylaxis.

### **T1 Classic – no compromises**

T1 Classic instruments are designed so that you get the best results with every patient.

### **T1 Line – reliability is a priority**

T1 Line instruments are expertly manufactured and are top-of-the-line equipment.

### **T2 Line/T2 S-Line – quality counts**

T2 Line instruments feature high functionality and ideal ergonomics.

### **T3 Line/T3 S-Line – benefit from proven products**

T3 Line instruments have a good price-performance ratio.

### **T4 – The entrance to the Dentsply Sirona world**

Dentsply Sirona basic instruments stand for reliable quality made in Germany for a cost effective use.

#### **Titanium, the exclusive material**

As the only manufacturer in the dental field worldwide, we are using super-plastic titanium forming technology in our instruments' manufacturing process. With this unique combination of process and material, we succeeded in producing instruments resulting to be amongst the lightest in their class.

Thermoformed titanium can be used everywhere where extreme durability and stability is important and each gram of weight counts, e.g. for jet engine parts in aerospace engineering.

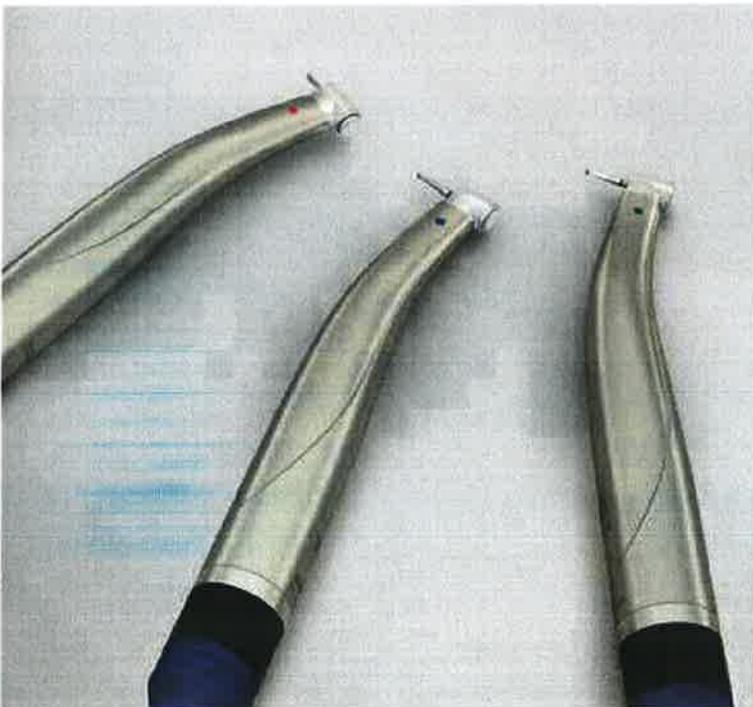


# T1 Classic – perfection in balance

T1 Classic is first-class technology. The ideal positioning of the SL motor in the light titanium sleeve ensures that it fits perfectly balanced in your hand. Challenging jobs become child's play and your preparation results are first class.

- Perfect hygiene: can be sterilized and thermally disinfected
- Optimal spray system
- Unbelievably quiet thanks to the 4-nozzle spray
- Optimal view thanks to the small head dimensions
- Ergonomic light-weight titanium casing
- Curved, elegant design for exceptional ergonomics
- Perfect balance with the SL/BL motors
- Longer lifespan thanks to DLC coated ball bearings\*
- Optimal illumination for an excellent view

\* Longer service life due to DLC (diamond-like carbon) coated ball bearings



## T1 Classic – overview of technical data:

Types/Ref.	Gear ratio/reduction	Head diameter (mm)	Head height (mm)	Features	Speeds (rpm)
<b>T1 Classic S 200 L</b> * ● 58 98 866	1:5	- 8.7	- 14.6	Ø 1.6 FG	- 200,000
<b>T1 Classic S 40 L</b> * ● 58 98 874	1:1	- 8.7	- 12.4	Ø 2.35 WB	- 40,000
<b>T1 Classic S 6 L</b> * ● 58 98 882	6:1	- 8.7	- 12.4	Ø 2.35 WB	- 6,000
<b>T1 Classic S 1,6 L</b> * ● 58 98 890	24:1	- 8.7	- 12.4	Ø 2.35 WB	- 1,600
<b>T1 Classic SH 40 L</b> * ● 60 31 400	1:1	-	-	Ø 2.35 HB/WB	- 40,000

Contra-angle handpiece, red 1:5 with 4-nozzle spray, contra-angle handpiece, blue, 1:1 and green 6:1/24:1 with 1-nozzle spray, handpiece, blue 1:1 with 1-nozzle spray.



Unbelievably quiet  
T1 Classic with 4-nozzle spray

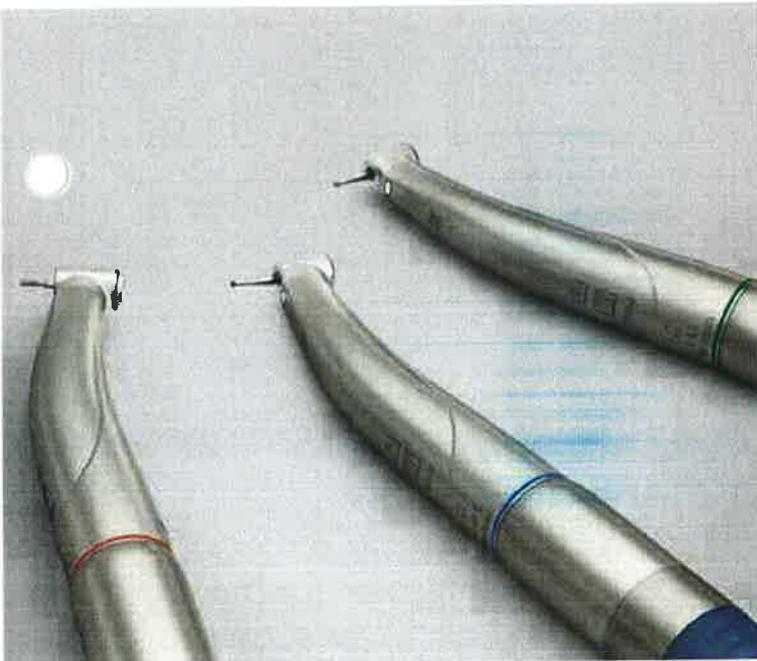
**3**-year  
warranty

## T1 Line – stay flexible with ease

The high-quality T1 Line straight and contra-angle handpiece series excels due to its ergonomic design and sits feather-light in your hand thanks to the titanium sleeves. This guarantees fatigue-free working and precise results. You stay flexible with the ISO interface, regardless of the treatment unit you are using.

- Perfect hygiene: can be sterilized and thermally disinfected
- Optimal spray system
- Unbelievably quiet thanks to the 4-nozzle spray
- Optimal view thanks to the small head dimensions
- Ergonomic lightweight titanium casing
- Longer service life due to DLC-coated ball bearings\*
- Optimal illumination for an excellent view
- Universal ISO interface
- Can be adapted to motors with light thanks to the ISO Slider®

\* Longer service life due to DLC (diamond-like carbon) coated ball bearings



### T1 Line – overview of technical data:

Types/Ref.	Gear ratio/reduction	Head diameter (mm)	Head height (mm)	Features	Speeds (rpm)
T1 Line C 200 L * ● 33 28 452	1:5	- 8,7	- 14,6	Ø 1,6 FG	- 200,000
T1 Line C 40 L * ● 33 28 437	1:1	- 8,7	- 12,4	Ø 2,35 WB	- 40,000
T1 Line C 6 L * ● 33 28 429	6:1	- 8,7	- 12,4	Ø 2,35 WB	- 6,000
T1 Line C 1,6 L * ● 33 28 411	24:1	- 8,7	- 12,4	Ø 2,35 WB	- 1,600
T1 Line H 40 L * ● 60 31 277	1:1	-	-	Ø 2,35 HB/WB	- 40,000

Contra-angle handpiece, red 1:5 with 4-nozzle spray, contra-angle handpiece, blue, 1:1 and green 6:1/24:1 with 1-nozzle spray, handpiece, blue 1:1 with 1-nozzle spray.

With T1 Line you benefit from the flexible ISO interface and the quiet 4-nozzle spray.



**3**-year  
warranty

## T2 Line/T2 S-Line - the comfortable solution

The T2 Line is the robust straight and contra-angle handpiece in the comfort class. Quality and Dentsply Sirona's expertise are combined to create a product series with functionality and reliability to ensure that you can completely focus on the treatment.

- Perfect hygiene: can be sterilized and thermally disinfected
- Optimal spray system
- Unbelievably quiet thanks to the 4-nozzle spray
- Optimal view thanks to the small head dimensions
- Ergonomic light-weight titanium casing
- Optimal illumination for an excellent view
- Universal ISO interface
- Can be adapted to motors with light thanks to the ISO Slider®



Unbelievably quiet thanks to the 4-nozzle spray.

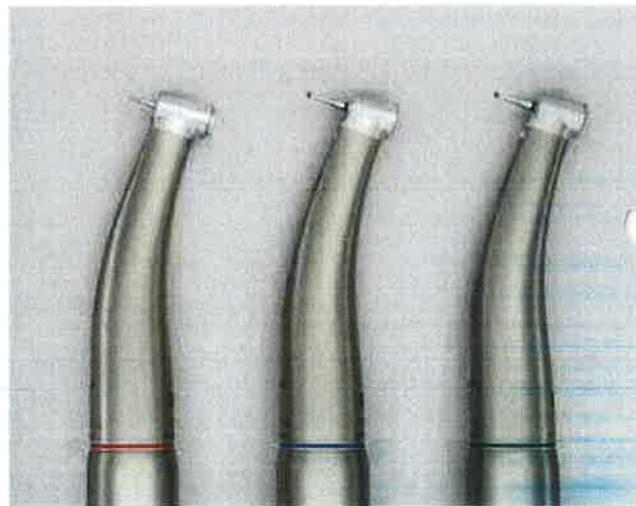
**2**-year  
warranty

### New: T2 S-Line

- Considerably shorter, thus improved ergonomics
- Very light thanks to the compact size
- Smallest head dimensions, just 3,7 mm in diameter



T2 Line



T2 S-Line

### T2 Line – overview of technical data:

Types/Ref.	Gear ratio/ reduction	Head diame- ter (mm)	Head height (mm)
T2 Line A 200 L ☼ ● 63 76 177	1:5	- 8.7	- 14.6
T2 Line A 40 L ☼ ● 63 76 185	1:1	- 8.7	- 12.4
T2 Line A 6 L ☼ ● 63 76 193	6:1	- 8.7	- 12.4
T2 Line AH 40 L ☼ ● 63 76 201	1:1	-	-

Types/Ref.	Features	Speeds (rpm)	Indication
T2 Line A 200 L ☼ ● 63 76 177	Ø 1.6 FG	- 200,000	Caries and crown preparation
T2 Line A 40 L ☼ ● 63 76 185	Ø 2.35 WB	- 40,000	Finishing
T2 Line A 6 L ☼ ● 63 76 193	Ø 2.35 WB	- 6,000	Excavating
T2 Line AH 40 L ☼ ● 63 76 201	Ø 2.35 HB/WB	- 40,000	Preparation

Contra-angle handpiece, red 1:5 with 4-nozzle spray, contra-angle handpiece, blue, 1:1 and green 6:1 with 1-nozzle spray, handpiece, blue 1:1 with 1-nozzle spray.

### T2 S-Line – overview of technical data:

Types/Ref.	Gear ratio/ reduction	Head diame- ter (mm)	Head height (mm)
T2 S-Line AS 200 L ☼ ● 65 76 065	1:5	- 8.7	- 14.6
T2 S-Line AS 40 L ☼ ● 65 76 073	1:1	- 8.7	- 12.4
T2 S-Line AS 6 L ☼ ● 65 76 081	6:1	- 8.7	- 12.4

Types/Ref.	Features	Speeds (rpm)	Indication
T2 S-Line AS 200 L ☼ ● 65 76 065	Ø 1.6 FG	- 200,000	Caries and crown preparation
T2 S-Line AS 40 L ☼ ● 65 76 073	Ø 2.35 WB	- 40,000	Finishing
T2 S-Line AS 6 L ☼ ● 65 76 081	Ø 2.35 WB	- 6,000	Excavating

Contra-angle handpiece, red 1:5 with 4-nozzle spray, contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray

## T3 Line/T3 S-Line - continued cost-effectiveness

The straight and contra-angle handpieces of the T3 class with their extremely robust titanium sleeves are sturdy and an investment that will give you joy for years to come.

- Perfect hygiene: can be sterilized and thermally disinfected
- Optimal spray system
- Quiet thanks to the 4-nozzle spray
- Optimal view thanks to the small head dimensions
- Unbelievably ergonomic lightweight titanium casing
- Universal ISO interface



T3 Line



Extremely quiet  
T3 Line with 4-nozzle spray

**1** Year  
Guarantee

### New: T3 S-Line

- Considerably shorter, thus improved ergonomics
- Very lightweight thanks to the compact size
- Smallest head dimensions, just 8.7 mm in diameter



T3 S-Line

### T3 Line – Technical data overview:

Types + Ref.	Gear ratio/reduction	Head diameter	Head height (mm)
<b>T3 Line E 200</b> ● 63 92 679	1:5	- 8.7	- 14.6
<b>T3 Line E 40</b> ● 63 92 687	1:1	- 8.7	- 12.4
<b>T3 Line E 6</b> ● 63 92 695	6:1	- 8.7	- 12.4
<b>T3 Line EH 40</b> ● 63 92 711	1:1	-	-

Types + Ref.	Equipment	Speed (min <sup>-1</sup> )	Indication
<b>T3 Line E 200</b> ● 63 92 679	Ø 1.6 FG	- 200,000	Cavity and crown preparation
<b>T3 Line E 40</b> ● 63 92 687	Ø 2.35 WB	- 40,000	Finishing
<b>T3 Line E 6</b> ● 63 92 695	Ø 2.35 WB	- 6,000	Excavating
<b>T3 Line EH 40</b> ● 63 92 711	Ø 2.35 HB/WB	- 40,000	Preparation

Contra-angle handpiece, red 1:5 with 4-nozzle spray.  
Contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray.

### T3 S-Line – Technical data overview:

Types + Ref.	Gear ratio/reduction	Head diameter	Head height (mm)
<b>T3 S-Line ES 200</b> ● 65 76 123	1:5	- 8.7	- 14.6
<b>T3 S-Line ES 40</b> ● 65 76 131	1:1	- 8.7	- 12.4
<b>T3 S-Line ES 6</b> ● 65 76 149	6:1	- 8.7	- 12.4

Types + Ref.	Equipment	Speed (min <sup>-1</sup> )	Indication
<b>T3 S-Line ES 200</b> ● 65 76 123	Ø 1.6 FG	- 200,000	Cavity and crown preparation
<b>T3 S-Line ES 40</b> ● 65 76 131	Ø 2.35 WB	- 40,000	Finishing
<b>T3 S-Line ES 6</b> ● 65 76 149	Ø 2.35 WB	- 6,000	Excavating

Contra-angle handpiece, red 1:5 with 4-nozzle spray.  
Contra-angle handpieces, blue 1:1 and green 6:1 with 1-nozzle spray.

## T4 Line\* – the entrance to the Dentsply Sirona world

The straight and contra-angle handpiece of the T4 class delivers with an essential design and a robust steel sleeve. Due to the air motor – available with Midwest 4-hole or Borden 2/3-hole – you will stay flexible, regardless of the treatment unit you are using.

- Essential design out of stainless steel
- External Spray
- Push button chuck
- For use with burs that have a 2,35 mm burr shaft diameter

\* Not available in all countries.

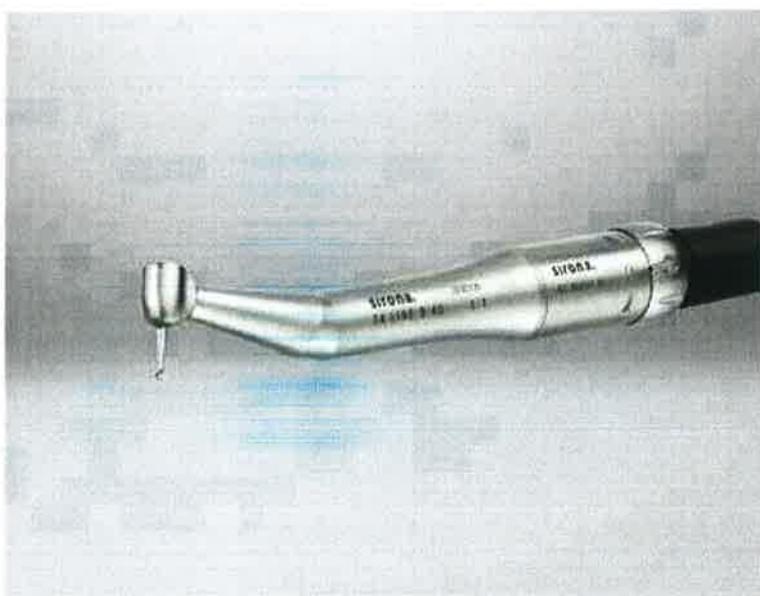
### T4 Line – Technical data overview:

Types + Ref.	Speed (rpm)	Spray	Head diameter (mm)	Head height (mm)
T4 Line B 40	max. 40,000*	external	- 8,7	- 12,4
T4 Line BH 40	max. 40,000	-	-	-
T4 Air Motor BM/BO	-22,000**	external	-	-

Types + Ref.	Weight (g)	Equip-ment	Ref.	Ref. pack- age of 25
T4 Line B 40	-72	Ø 2,35 WB	64 01 827	64 02 106
T4 Line BH 40	-77	Ø 2,35 WB	64 01 843	64 02 114
T4 Air Motor BM/BO	-90	-	64 39 884 64 39 892	64 32 962/ 64 32 970

\* -22,000 if connected to the T4 Air Motor BM/BO

\*\* clockwise/counterclockwise



ISO interface and push button for rapid burr change allow efficient handling.

## Special contra-angle handpieces – the right contra-angle for every task

Dentsply Sirona offers a wide range of special contra-angle handpieces. This way, you are guaranteed to find the right solution for every task.

Special contra-angle handpieces – overview of technical data:

Types	Gear ratio/reduction	Speeds/cycles (rpm)	Features
Prophy	* 2.4:1	- 5,000	Snap-on & Screw-in
EVA 04 L	* -	Stroke 0.4 mm	-
EVA 11 L	* -	Stroke 1.1 mm	-
Endo L	* -	Movement ± 30°	Ø 3.6–4.0 shaft/ adapter Ø 2.35
Endo 6 L	* 6:1	- 6,000	Ø 2.35 WB
KM 1.6 L	* 24:1	- 1,600	Ø 2.35 WB
Condens	* -	- 12,000	-

Types	T1 Classic Ref.	T1 Line Ref.
Prophy	58 99 278	18 94 901
EVA 04 L	58 99 237	33 20 260
EVA 11 L	58 99 245	41 70 015
Endo L	58 99 260	58 69 552
Endo 6 L	-	65 27 191
KM 1.6 L	58 99 252	-
Condens	-	18 94 737



### Prophy For prophylaxis

The contra-angle handpiece Prophy enables brilliant polishing of teeth and material surfaces in connection with brushes and caps.



### EVA 04 L/11 L For micropreparations

Due to the great flexibility of the file adjustment, this contra-angle handpiece is especially good for polishing and removing composite residues and for smoothing root surfaces.



### Endo L For endodontics

The 2-in-1 root canal preparation principle is based on offering a single contra-angle handpiece that enables efficient use of hand files and mechanically operated steel files.



### Endo 6 L For endodontics/endometry

In combination with the ApexLocator, the Endo 6 L allows for localization of the apex without a file clamp. The extra small head ensures that the dentist has the best possible view of the root canal.



### KM 1.6 L For surgery

The Kirschner/Meyer principle, in which the rinsing liquid/coolant is discharged directly into the milling area at the burr tip, enables atraumatic preparation and optimally supports surgical interventions.



### Condens For amalgam fillings

Amalgam fillings can be easily condensed using the Condens contra-angle handpiece combined with DENTATUS AVA tips.

## Implant 20:1 – sophisticated down to the smallest detail

### Top quality, easy to dismantle, and long-lasting

This contra-angle handpiece for implantology and surgical applications – Implant 20:1 – is equipped with high-quality, precise gears that offer you optimal speed and torque (up to 70 Ncm) for all drilling and shaping applications. The extremely small head diameter provides the best view of the preparation site. Implant 20:1 is therefore ideally suited for all implant and surgical work.

### Powerful and flexibly applicable

- The contra-angle handpiece works with the ISO interface.
- Due to its maximum speed of 2,000 min<sup>-1</sup>\* and its high torque of up to 70 Ncm, it is suitable for all drilling and shaping applications.
- Cooling is possible with an internal and external spray.
- It can be used for everything from smoothing the alveolar crest to screwing in the implants.

### Hygienically perfect!

- The contra-angle can be dismantled easily without any tools.
- The handpieces can be sterilized and thermally disinfected.

Technical data	Implant 20:1
Weight (g)	~ 72
Gear ratio/reduction	20:1
Max. speed (rpm)	~ 2.000*
Max. torque (Ncm)	~ 70
Head height without burr (mm)	~ 13.8
Head diameter (mm)	~ 10.3
Equipment	Ø 2.35 mm, RA with internal cooling
Chuck	Push-button tension system
Interface	ISO interface

Type	Description/Equipment	Ref.
Implant 20:1	For implantology and surgery, can be dismantled, gear reduction 20:1	60 43 702

\* With a motor speed of ~ 40.000 rpm.



## SiroNiTi Apex/ SiroNiTi Air Plus Apex – the contra-angle handpieces for safe root canal preparation

### Endodontics made quick and efficient.

The SiroNiTi Apex and SiroNiTi Air Plus Apex contra-angle handpieces ensure safe and efficient root canal treatment. Both are equipped with a 5-level torque control that can be adjusted easily right on the device. Torque cards included with the contra-angle handpieces specify the torque level suitable for each particular file of the selected file system. As soon as the selected speed is reached, unique retro-rotation caused by gentle release of the coupling prevents the files from blocking the root canal.

The SiroNiTi Apex/SiroNiTi Air Plus Apex contra-angle handpiece allows you to locate the apex even more comfortably. With the gold clip, you can connect many electronic apex locators directly without using a file clamp.

### Everything revolves around perfection

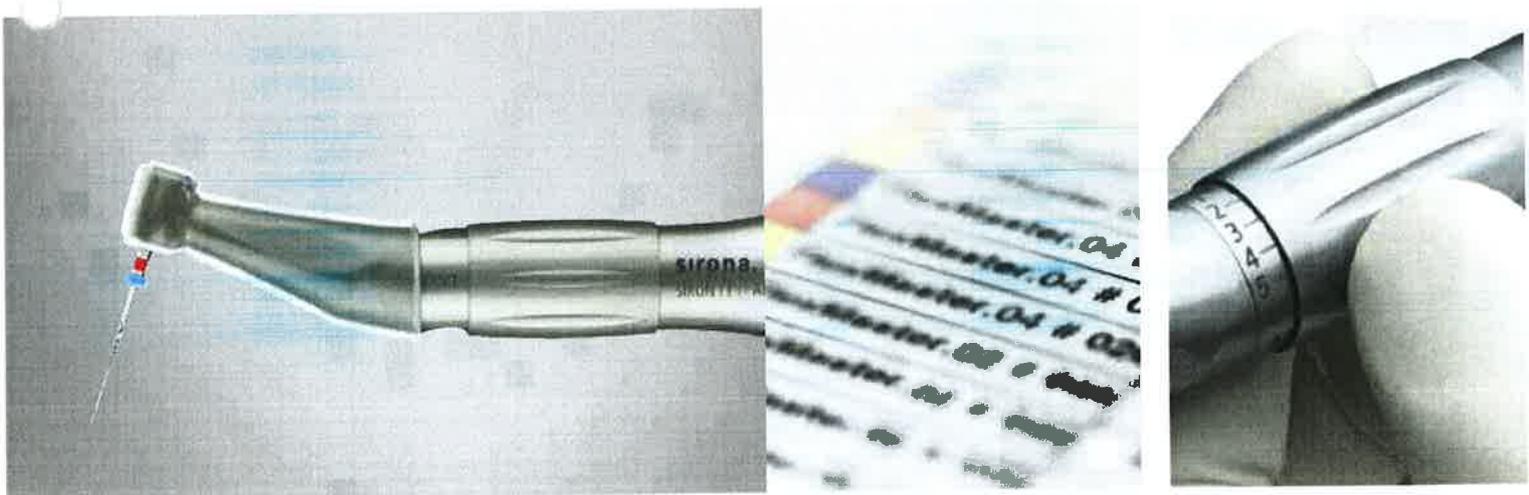
- With a reduction ratio of 115:1, SiroNiTi Apex is perfectly compatible with an electric motor, and SiroNiTi Air Plus Apex (66:1) is more suitable for an air motor.
- All standard nickel-titanium file system with  $\varnothing$  2,35 mm can be used.
- The ISO interface allows for free selection of the micromotor.

### Hygienically perfect!

- The contra-angle handpieces can be sterilized and thermally disinfected

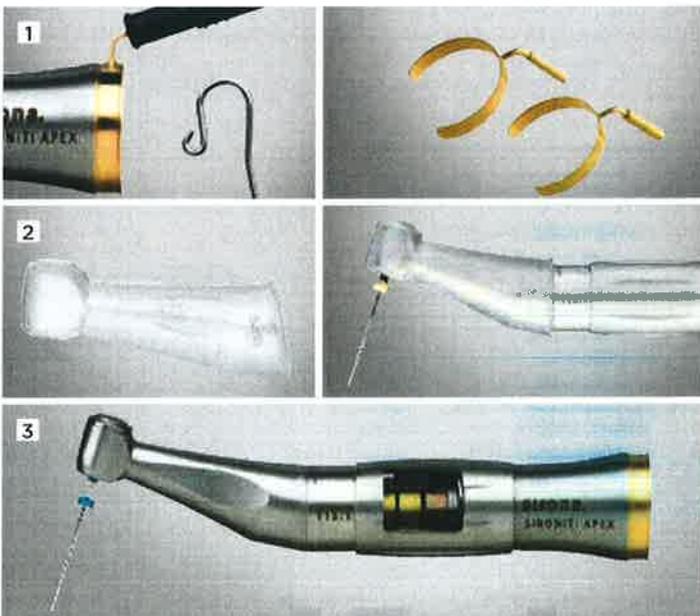
### Safely, quickly, and thoroughly.

- Torque cards recommend the suitable torque limits in 5 levels, which can be set by turning a preselection ring directly on the contra-angle handpiece.
- The wear-free, gold-plated magnetic coupling prevents blocking of the file.
- Retro-rotation prevents blocking of the file when the torque is exceeded.
- A large selection of endometric units can be connected to the gold clip for apex location.



## SiroNiTi Apex/ SiroNiTi Air Plus Apex – safety is as valuable as gold

- 1** When you connect the mucosal electrode and the measurement cable of your apex locator to the contact pin, you have a complete "endodontic system" at your disposal. The contact pin on the gold clip is available in diameters of 2 mm and 1.5 mm – suitable for endometrial devices.
- 2** The new insulation sleeve enables safer apex location: just pull the single-use sleeve over the handpiece and sterilize the instrument after treatment.
- 3** The gold-plated magnetic coupling prevents blocking the file using retrograde rotation.



### SiroNiTi Apex/SiroNiTi Air Plus Apex – overview of technical data:

Recommended use depending on file system	SiroNiTi Apex	SiroNiTi Air Plus Apex
Electric motor	■	■
Air motor	-	■

Technical data	SiroNiTi Apex	SiroNiTi Air Plus Apex
Gear ratio/reduction	115:1	66:1
Max. operating speed (rpm)	- 350	- 600
Rotary movement	360°	360°
Chuck	press button	press button
Equipment	2.35 WB	2.35 WB
Torque levels	5	5
NiTi files	All available file systems	All available file systems

Types	Description/Features	Ref.
SiroNiTi Air Plus Apex	For connection to an air motor or an electric motor for file systems with higher permissible speed ranges	63 24 615
SiroNiTi Apex	For connection to an electric motor for file systems with normal speed ranges	61 74 234
Clip dia. 2 mm (gold-plated)	e.g., for ProPex and ProPex II – Dentsply Sirona Raypex 4 and Raypex 5 – VDW Apex Pointer – MicroMega iPEX – NSK Mini apex locator – Sybron Endo	63 45 230
Clip dia. 1.5 mm (gold-plated)	e.g., for ApexMaster – EMS	63 45 248
Insulation sleeve	Insulation sleeve for endo (5 pcs.)	63 24 631

## SiroEndo Pocket – the mobile endodontic solution

### Safety to go

The true advantages of the SiroEndo Pocket will pay off for you if you perform root canal preparation in several treatment rooms. This compact, battery-powered unit can be used wherever and whenever you need it. And of course, you can also use it while it is charging.

In addition to the integrated apex locator, SiroEndo Pocket also has a file library that can always be updated with the newest files.

We also paid special attention to ease of use. The display can be tilted to offer optimal viewing comfort; the language of the settings can be selected individually.

### Intuitive operation

The display is clearly arranged and has easy-to-understand icons.

### Always in view

The integrated apex locator ensures optimal measuring accuracy without a file clamp when using the Sirona Endo 6:1.

### Insulation sleeve

The new insulation sleeve enables safer apex location.

### Optimally equipped

In the preprogrammed and continually updated file library, you can quickly locate your required system and file type.

### Wireless treatment

The SiroEndo Pocket is equipped with a storage battery (operating time: approx. 2 hours) that also allows the unit to be used when it is charging.



## SiroEndo Pocket – overview of technical data:

Properties	SiroEndo Pocket
Voltage (V)	- 100–240
Frequency (Hz)	- 47–63
Power (W)	- 30
Motor speed (rpm)	- 1,200–19,200
Torque (Ncm)*	- 0.2–5
Battery operation	yes

Designation	Description/Equipment	Ref.
SiroEndo Pocket incl. Endo 6:1	Complete with control unit, motor, hose, foot control, power supply unit, cable for mucosal electrode, cable for file clamp, 2 mucosal electrodes, and SiroEndo pocket memory stick	61 95 882
contra-angle handpiece Endo 6:1	Suitable for apex measurement without file clamp, gear reduction 6:1	59 94 277

Accessories	Ref.
SiroEndo pocket memory stick	61 96 674
SiroEndo pocket software update stick	61 96 682
SiroEndo pocket cable for mucosal electrode + mucosal electrode	61 96 716
SiroEndo pocket cable for file clamp + file clamp	61 96 724
SiroEndo pocket battery pack	61 96 732
SiroEndo pocket motor incl. cable	61 96 740
SiroEndo pocket motor cable (length 1,700 mm)	61 96 757
SiroEndo pocket motor cartridge	61 96 765
Insulation sleeve for Endo 6:1 (5 pcs.)	63 24 631

\* Depending on the contra-angle handpiece used.

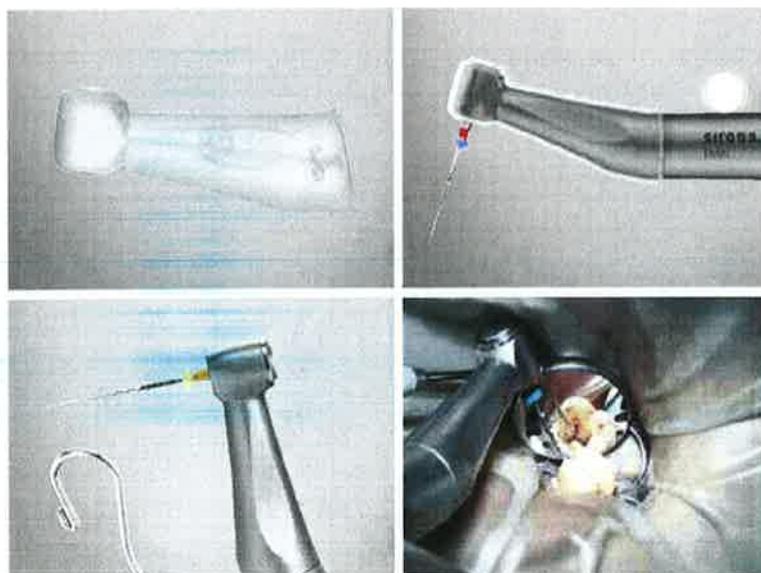
## Endo 6:1 – the optimal contra-angle handpiece for root canal preparation

In combination with an apex locator, the compact Endo 6:1 contra-angle handpiece facilitates locating the apex without the need for a file clamp. Depth is measured directly via the contra-angle handpiece. The extremely compact head ensures that the dentist has the best possible view of the root canal, and the slim design without a file contact clip is the key to perfect ergonomics. Thanks to the practical ISO interface, the user has a free choice of micromotors.

### Ideal in combination with:

- SiroEndo Pocket
- Intego endodontic function

The new insulation sleeve enables safer apex location: just pull the single-use sleeve over the handpiece and sterilize the instrument after treatment. The contra-angle handpieces can be sterilized and thermally disinfected.



## SiroLaser Blue – three wavelengths, many options

Dental diode lasers have clear benefits compared to conventional treatment methods, with largely scar-free wound healing and improved antibacterial efficacy. For patients, the use of lasers means less post-operative pain and therefore less need for medication. And your practice also benefits, as having satisfied patients is the best way to ensure success. The compact SiroLaser Blue is the first dental diode laser to have a blue, an infrared, and a red diode. This enables it to cover a range of more than 20 indications, therefore ensuring virtually boundless applications in your practice routine.

### Which diode for which application?

The blue diode with 445 nm is ideally suited to all surgical applications and for hemostasis. Depending on wavelength, the laser beam may be absorbed well or less well by the tissue. The blue diode (with 445 nm) can thus achieve a substantially better cutting result at a lower wattage than infrared laser light (i.e. about 810, 940, 970 nm) at a higher power rating. Thanks to the new wavelength, for the first time it is now possible to cut without tissue contact using a diode laser. The proven infrared 970-nm diode is used to reduce bacteria levels in periodontology and endodontics. The additional red 660-nm diode is used for 'soft laser' applications such as LLLT or biostimulation. The SiroLaser Blue thus covers all possible indications for treatment with a diode laser.

### All indications at a glance

<b>Endodontics</b>	<b>Surgery</b>
Endo, germ reduction	Abscess
Gangrene bacterial reduction	Epulis
Pulpotomy	Fibroma
etc.	Frenectomy
<b>Periodontology</b>	Gingivectomy
Perio, germ reduction	Gingivoplasty
Peri-implantitis	Implant removal
etc.	Incisions/excisions
<b>Miscellaneous</b>	Operculectomy
Apthous ulcers	Gingival troughing
Medical bleaching*	etc.
Desensitization	
Hemostasis	
Herpes	* e.g., as endodontic follow-up treatment; no predefined treatment program
Soft laser treatment	

Technical data	
Wavelength and operating performance	445 nm +/-5 nm / 0,2 - 3,0 W (CW) 660 nm +/-5 nm / 25, 50 and 100 mW (CW) 970 nm -10/+15 nm / 0,2 - 2,0 W (CW)
Laser operating mode	Continuous wave, chopped mode
Frequency	1-10.000 Hz
Duty cycle	Variable
Weight	- 1,3 kg (incl. handpiece and battery)
Dimensions	- 19,7 cm x 18,2 cm x 18,9 cm



## SiroLaser Blue – ready to use in just a few steps

- **Sterile disposable fibers (EasyTips):** before every treatment, simply stick one of these practical EasyTip disposable fibers on the handpiece of the SiroLaser Blue, and you can then start treatment immediately. All of this without time-consuming assembly steps, without packaging, and without sterilization. All fibers are made in Germany.
- **Therapy light guides (MultiTips):** for soft laser applications and medical bleaching (e.g., as endodontic follow-up treatment).
- **Over 20 pre-defined programs:** for every treatment, there is already a pre-defined program. You simply select the desired treatment on the touchscreen and start working. In addition, the Help function assists you in administering the treatment properly.
- **Six favorites can be selected:** there are some treatment types that you perform more frequently than others. To avoid the need to scroll through all of the programs, you can conveniently configure your individual home screen.
- **Application memory:** the last 50 uses by each user are saved on the device and can be conveniently retrieved via the USB port.
- **Individual user profiles:** you may have several people in your practice who use the SiroLaser Blue for treatment. No problem, since up to 6 password-protected user profiles can be adapted individually to suit your needs.
- **Integrated battery:** the battery also charges while you work – full mobility and flexibility.
- **Intuitive user interface:** the user interface is designed so intuitively that you will immediately find what you are looking for.
- **Handpiece with integrated finger switch:** the integrated finger switch makes an additional foot control obsolete. Stainless steel autoclavable handpiece case.
- **Delegation\*:** you can delegate applications in soft laser therapy to your practice assistant.
- **Flexible laser activation:** integrated finger switch on the handpiece or optional foot control.
- **Ready to use quickly:** standby mode for immediate availability without shutting off the device.
- **Technical safety checks:** technical safety checks are required by law. For the SiroLaser Blue, it is required only once every two years – for other providers, it is generally once per year.
- **Warranty:** 2 years

### Scope of delivery

- SiroLaser Blue incl. stainless steel handpiece with integrated finger switch (battery pack already included)
- Additional handpiece cases for alternating operation
- Demo set of disposable finger tips (non-sterile demo fibers): 2x EasyTip 320 µm, 2x EasyTip Endo, 2x EasyTip 200 µm
- Combination bending tool
- Fiber cutter
- 3 pairs of laser safety goggles (for dentist, dental assistant, and patient)

Accessory	Ref.
Handpiece sleeve with keypad	64 87 784
EasyTip 320 µm (25 count)	64 98 062
EasyTip 200 µm (25 count)	64 98 484
EasyTip 200 µm Endo (25 count)	65 35 905
MultiTip 8 mm, therapy guide light	65 41 465
MultiTip 4 mm, therapy guide light	65 41 499
Handpiece optic protection cap (5 pcs.)	65 79 580
Fiber cutter	60 91 669
EasyBend – bending tool (2 count)	66 18 180
Wireless foot control	62 56 841
SiroLaser Blue user safety goggles	65 41 515
SiroLaser Blue patient safety goggles	65 41 523
SiroLaser Blue safety goggles for eyeglass wearers	65 46 407
Laser magnifier flip-up with extra lenses (magnification: 3.0x; working distance: 400 mm)	66 25 177
Laser magnifier flip-up with extra lenses (magnification: 3.0x; working distance: 350 mm)	66 25 169

For more information see [www.dentsplysirona.com/instruments](http://www.dentsplysirona.com/instruments)

SiroLaser Blue Ref. numbers for the following countries  
Germany, Austria 65 40 491; Switzerland 65 40 632; Italy 65 40 657;  
Netherlands, Belgium 65 40 509; France 65 40 640;  
Great Britain 65 40 624; Spain 65 40 608; Portugal 65 40 665;  
Denmark 65 40 616; Finland, Norway, Sweden 65 40 590,  
Australia 65 73 401, ROW 65 59 111, Additional languages 65 40 673,  
Additional countries on request.

\* Please comply with country-specific regulations.

## SiroLaser Advance Plus – a Plus for your practice

Effective germ reduction. Minimally invasive surgery. Support during CEREC restorations. Even treatment of herpetic lesions and medical bleaching. For patients, the use of lasers means less post-operative pain and therefore less need for medication. Satisfied patients are the best way to ensure success. The new SiroLaser Advance Plus by Dentsply Sirona enhances your practice. SiroLaser Advance Plus is designed for experts and less experienced users alike. With SiroLaser Advance Plus, you'll enjoy intuitive and versatile use to fully concentrate on each patient.

### Intuitive handling:

- Touchscreen navigation
- Clear user prompts
- Self-explanatory menu icons

### Immediate treatment:

- Pre-set programs for key applications
- Optional help menu for each pre-set program to assist less experienced users
- Sterile delivered disposable fibers

### Individual customization:

- 24 programmable applications
- User profiles, each with a personal access code

### Versatile operation:

- Ergonomic handpiece with light-touch finger switch
- Battery-operated for greater portability
- Additional 660 nm diode for Low-Level-Laser Therapy (LLLT)

### All indications at a glance

#### Endodontics

Endodontic germ reduction  
Gangrene germ reduction  
Pulpotomy  
etc.

#### Periodontology

Periodontic germ reduction  
Peri-implantitis  
etc.

#### Other

Aphthous ulcers  
Desensitization  
Hemostasis  
Herpes  
Medical Bleaching\*  
Soft laser therapy

#### Surgery

Abscess  
Epulis  
Fibroma  
Frenectomy  
Gingivectomy  
Gingivoplasty  
Implant uncoverly  
Incisions/excisions  
Operculectomy  
Gingival troughing  
etc.

\* e.g. following an endodontic treatment; no predefined treatment program



#### Technical data

Wavelength and operating performance	660 nm +/-5 nm / 25, 50 and 100 mW (CW) 970 nm -10/+15 nm / 0.2 - 7.0 W (CW); -14W (Peak Pulse)
Laser operating mode	Continuous wave, chopped mode, peak pulse
Frequency	1-10.000 Hz
Duty cycle	Variable
Weight	- 1.3 kg (incl. handpiece and battery)
Dimensions	- 19.7 cm x 18.2 cm x 18.9 cm

For more information, see [www.sirona.com/laser](http://www.sirona.com/laser)

## SiroLaser Advance Plus – easy operation and useful features

- **Sterile disposable fibers (EasyTips):** Before every treatment simply stick one of the practical EasyTips on the handpiece of the SiroLaser Advance Plus – and you can then start the treatment directly. All of this without time-consuming assembly steps, without wrapping and without sterilization. All fibers are made in Germany.
- **Therapy light guides (MultiTips):** For soft laser applications and medical bleaching (e.g. as endodontic follow-up treatment).
- **More than 20 preset programs:** For every treatment, there is already a preset program. You simply select the desired treatment on the touchscreen and start working. In addition, the Help function assists you to administer the treatment properly.
- **Six favorites can be selected:** There are some treatment types that you perform more frequently than others. To avoid the need to scroll through all of the programs, you can conveniently configure your individual home screen.
- **Application memory:** The last 50 applications of each user are saved by the device and can conveniently be retrieved from the USB port.
- **Individual user profiles:** You may have several people in your practice who use the SiroLaser Advance Plus for treatment. No problem, since up to 6 password-protected user profiles can be adapted individually to suit your needs.
- **Integrated battery:** Full mobility and flexibility. The battery charges while you are working.
- **Intuitive user interface:** The user interface is designed so intuitively that you will immediately find what you are looking for.
- **Handpiece with integrated finger switch:** The integrated finger switch makes an additional foot pedal obsolete. Autoclavable stainless steel handpiece sleeve.
- **Delegatability\*:** You can delegate applications in soft laser therapy to your practice assistant.
- **Flexible laser activation:** Integrated finger switch at the handpiece or optional wireless foot control.
- **Quickly ready for use:** Standby mode for immediate availability without switching off the device.
- **Technical safety checks\*:** A technical safety check is required by law. For the SiroLaser Advance Plus, it is required only every two years – for other providers, generally once a year.
- **Warranty:** 2 years

### Scope of delivery

- SiroLaser Advance Plus incl. stainless steel handpiece with integrated finger switch
- Battery pack (already mounted)
- Additional handpiece sleeve for alternating operation
- Demo set of disposable, non-sterile fiber tips:  
2 × EasyTip 320 µm, 2 × EasyTip Endo, 2 × EasyTip 200 µm
- Combined bending tool
- Fibercutter
- 3 laser safety goggles (for dentist, dental assistant, and patient)

Accessories	Ref.
Handpiece sleeve with keypad	64 87 784
EasyTip 320 µm (25 pieces)	64 98 062
EasyTip 200 µm (25 pieces)	64 98 484
EasyTip 200 µm Endo (25 pieces)	65 35 905
MultiTip 8 mm, therapy light guide	65 41 465
MultiTip 4 mm, therapy light guide	65 41 499
Optic protective cap for handpiece (5 pieces)	65 79 580
Fibercutter	60 91 669
EasyBend – Bending tool	65 44 097
Wireless foot control	62 56 841
Laser safety goggles for users SiroLaser Advance Plus	65 41 564
Laser goggles for patients SiroLaser Advance Plus	65 41 523
Laser safety goggles for eyeglasses wearers SiroLaser Advance Plus	65 41 572
Laser loupe glasses flip-up with exchangeable lenses (magnification: 3.0x; working distance: 400 mm)	66 25 177
Laser loupe glasses flip-up with exchangeable lenses (magnification: 3.0x; working distance: 350 mm)	66 25 169
SiroLaser Advance Plus Ref.-No. for the following countries: France 65 40 764; Switzerland 65 40 756; Finland 65 40 715; Norway 65 40 715; Sweden 65 40 715; Denmark 65 40 723; ROW: 65 75 505. Further countries on request.	

\* Depends on country-specific regulations.

## Water treatment from Dentsply Sirona – in just seconds, cost-effective and compliant

### Safe water quality for clean instruments

Optimal water quality is the essential basic prerequisite for efficient hygiene processes. This protects the systems and instruments, thus prolonging their service life and cutting repair costs.

Dentsply Sirona water treatment systems guarantee this optimal water quality. For this reason, they are the perfect companions for DAC Universal, DAC Premium, DAC Professional, and other hygiene systems.

NitraDem Direct Connect solution and filter package for direct connection

SiroDem solution for hose-filling (depressurized)



## NitraDem Direct Connect – direct water connection for maximum quality

NitraDem Direct Connect provides high-quality demineralized water directly to the DAC Universal and any other autoclave. It operates as a fully automatic, highly efficient water treatment system and conforms to class 5 of the European DIN-EN 1717 standard, which prevents a direct connection between water system and autoclave. NitraDem Direct Connect constantly monitors water quality. The NitraDem Filter uses the ion-exchange principle and is very easy to change.

Specifications	NitraDem Direct Connect
Electrical connection (V) / (Hz)	- 100-240 / 50-60
Flow rate (l/h)	45
Water quality (µs/cm)	0.1-12
Dimensions (H x W x D) (cm)	26.5 x 30 x 12
Weight (kg)	6.3
Capacity/10° dH (l)	430
Conductivity test	■
Fixed connection	■
Special feature	DIN EN 1717-compliant for direct connection

Description	Ref.
NitraDem Direct Connect complete set	62 59 852
NitraDem filter	61 98 431
Water pistol	62 59 084
NitraDem Direct Connect	NitraDem filter

