

Getting a grip on infection prevention

The Dürr Dental range of suction cannulas and handpieces



Premium quality with a high protection factor

Suction solutions from Dürr Dental are opening up new possibilities in dentistry

It might be routine procedure now, but back in the 1960s treating patients while they were lying down was quite a sensation. It was the systematic dental suction unit developed by Dürr Dental that made this possible. A powerful suction unit is an indispensable piece of equipment for any dental practice, as it improves protection against infection by reliably aspirating spray mist before it is released into the room air. As the inventor and the first supplier of dental suction units, we utilise our expertise to constantly develop new solutions to improve working conditions for practice teams and to provide you with the best possible protection. We have developed a cannula portfolio that meets all the requirements of modern dentistry.

The perfect symbiosis of functionality and design

The Dürr Dental cannula portfolio is one of a kind. With four different types of cannula available in different models and colours, there is always a suction cannula perfectly suited to the patient and application: the universal cannula for adults, the universal cannula Petito, the prophylaxis cannula and the surgical suction cannula. Dürr Dental offers top quality cannulas and accessories for various application areas such as preserving, prosthetic, surgical, endodontic or prophylactic treatments.

These first-class suction solutions are complemented by the innovative Y-adaptor and an extensive range of handpieces.



The best options: our range of cannulas

04

Basics & safety measures



06

Universal cannula



07

Universal cannula models



08

Prophylaxis cannula



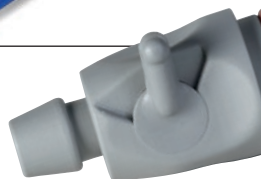
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Surgical suction cannula



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Range of handpieces



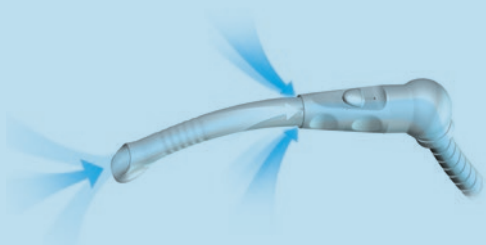


Basics: How cannulas protect



01 Prevent reflux with innovation

The term “reflux” describes the backflow of contaminated fluids from the suction system into the oral cavity of the patient. Backflow of this kind can occur if the suction cannula is blocked by aspirated soft tissue or if the suction hose is held above the patient while the suction power is low. Correct positioning of the suction hose and the use of suction cannulas with secondary air inlets can mitigate such gravitational backflow of contaminated fluids.



02 Why spray mist is dangerous

If aerosols spread in a practice room, health risks increase. This is because there are over 600 different types of bacteria that can be detected in a human oral cavity. During a 15-minute treatment without protective measures, these enter the room air in the form of a contaminated aerosol cloud and are then deposited over a radius of several meters. These aerosols can be detected in the room air for up to 30 minutes. Door handles, armrests, lights and other surfaces are contaminated in this way. Cross-contamination poses a high risk of infection not only for the practice team, but also for subsequent patients.



Further information

03 Effective prevention of aerosols

The right intraoral suction unit makes an important contribution to infection protection for the dentist, the practice team and the patient. To ensure that as little aerosol as possible is formed, spray mist should ideally be aspirated in the patient’s mouth and a large suction cannula should always be used. High-volume suction with a suction cannula diameter of at least 10 mm is recommended. A suction cannula with a diameter of 16 mm is ideal. In addition, the chosen cannula should feature optimised flow design.



Further information



Safety for practice teams, patients and the environment

The Dürr Dental cannula portfolio has been designed to provide the best protection – in more ways than one. Our suction cannulas offer a wide range of protective features:

Safe handling



The cannulas are ergonomically shaped, have no edges and are therefore comfortable for the patient and practitioner. The cannula design provides optimum grip.

Safe protection against infection



All cannulas are highly efficient at suctioning off saliva, blood and microparticles from the patient's mouth. This is the best way to prevent aerosols from spreading.

Protection against reflux from the suction system



All cannula types are (optionally) available with special secondary air inlets, which protect patients against the backflow of contaminated patient secretions from the suction system.

Environmentally friendly



The cannulas are autoclavable and are made of a highly durable, resistant material. This helps you reduce waste and protect the environment.

Cost-effective



Due to the highly durable material, costs for replacement and disposal are reduced. This boosts the profitability of your practice.

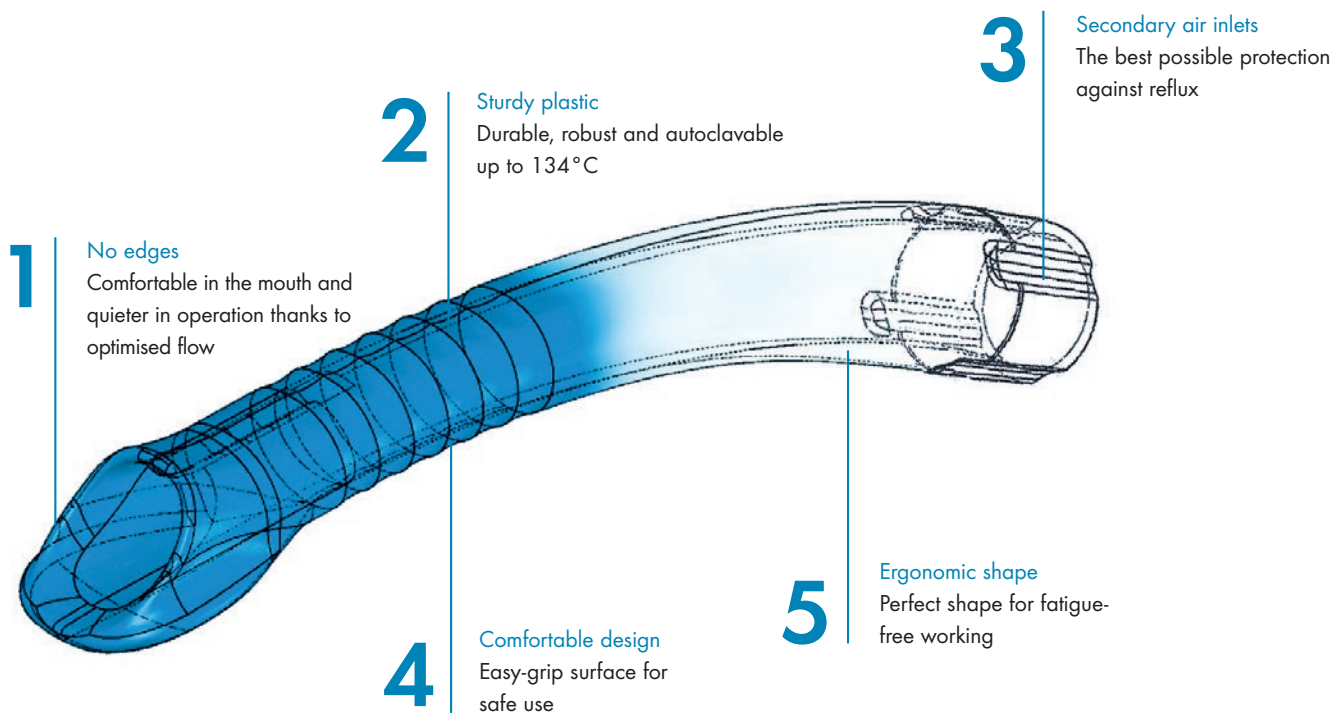
04 The suction system is key

A suction cannula can only be as good as the system behind it. This means that the performance of a suction cannula ultimately depends on the performance of the suction system installed in the practice. Its suction rate should be around 300 l/min to achieve optimised spray mist suction at each treatment unit. If the performance of suction systems drops, dangerous aerosols can spread. Around half of all systems are affected by this issue and fail to comply with the applicable guidelines.

Excellent comfort for dental professionals and patients

Universal cannulas with a well-designed shape

The universal cannulas from Dürr Dental have been designed for maximum ease of use. Thanks to their easy-grip surface and ergonomic shape, they fit particularly well in the hand and provide the treating dentist with optimum grip. Patients can benefit from the special protection provided by the secondary air inlets, which prevent reflux of contaminated patient secretions from the suction system. In addition, patient comfort is improved during treatment because there are no edges on the cannulas.



* Refer to the notification from the Commission for Hospital Hygiene and Infection Prevention at the Robert Koch Institute on "Infection Prevention in Dentistry / Hygiene Requirements", section 5.2, published in Federal Health Bulletin 4/2006 (Springer-Verlag, Heidelberg). Further information about reflux can be found on page 4.

The best protection for children and adults

The right solution is always on hand

Universal cannulas from Dürr Dental are available in different colours and variants.
You can choose from four different options to suit your individual needs:



Universal cannula

Ø 16 mm



This cannula is exceptionally quiet. In a study carried out by the Fraunhofer Institute for Building Physics, the measured sound volume was significantly below the level of comparable competitor products. It therefore offers certified low-noise suction of spray mist.
Available in 5 colours.



Universal cannula Protect

Ø 16 mm



As well as offering the advantages of the universal cannula, this model also has secondary air inlets for maximum protection. They prevent the reflux of contaminated secretion from the suction system when suction is applied to the cannula.
Available in 3 colours.



Universal cannula Petito

Ø 11 mm



The universal cannula Petito is small and easy to handle, designed specifically for the requirements of children's mouths. The cannula offers high functionality and perfect ergonomics for children and for people who cannot fully open their mouth.
Available in 3 colours.



Universal cannula Petito with Protect function

Ø 16 mm



This model offers all the advantages of the universal cannula Petito with additional protection against reflux from the suction system. Despite the 16 mm diameter of the connecting piece, it is significantly smaller than the standard universal cannula.
Available in 5 colours.

A Dürr Dental innovation

Unique in the world: the prophylaxis cannula

Dürr Dental has developed the prophylaxis cannula for maximum protection against aerosols. Its special protective shield at the tip of the cannula makes it unique, as it can be rotated and fixed as required. This provides a level of suction that far exceeds what conventional cannulas can achieve.

Maximum precision in suctioning



Significantly higher aerosol uptake than conventional suction cannulas

Germ-laden aerosol is reduced by up to 100% in the patient's mouth (based on in-house tests with a suction volume of 300 l/min).



Prevents irritation of the mucous membranes due to jet powder

Thanks to the targeted focusing of the cannula in the mouth, the powder flow can be accurately directed at the teeth and aspirated – thus providing optimum protection for the oral mucosa.



Best protection for preserving / prosthetic treatments

Due to its large opening, the prophylaxis cannula is particularly advantageous for suctioning larger particles or a higher volume of water, as well as for rubber dam applications.

Best protection even without an assistant

Dürr Dental Y-Adapter

The Y-Adapter has been developed especially for dentists who work without an assistant and therefore need a hands-free suctioning solution. It allows you to reduce aerosols as effectively as possible, even when use of intraoral spray mist suctioning equipment is not possible. The prophylaxis cannula and a flexible saliva ejector are connected to a suction tube using the Y-Adapter. The saliva ejector is placed in the oral cavity. The prophylaxis cannula positioned at the side of the mouth reduces aerosols.

Another advantage of the Y-Adapter is that by closing the opening for the saliva ejector using the plug provided, an adapter is formed for connecting all 16 mm cannulas from Dürr Dental to 11 mm suction handpieces.

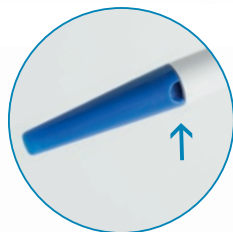


Reduces the risk of infection during surgical procedures

Dürr Dental surgical suction cannula

Hygiene requirements are particularly high during surgical procedures. For this reason, the suction cannula chosen for oral surgery should prevent backflow of contaminated secretions from the suction system as effectively as possible. The surgical cannula from Dürr Dental fulfils this requirement as it is equipped with integrated secondary air inlets as standard. This feature significantly sets the cannulas apart from surgical cannulas from other providers. The slim, angled shape also ensures fatigue-free working without any obstruction of visibility.

The surgical disposable cannulas are individually packaged in sterile packaging. They are also very lightweight and have a diameter of 2.5 mm and a cannula length of approx. 17 cm.



Secondary air inlets

The best possible protection against reflux from the suction system

Comfortable design

The slim, angled shape enables fatigue-free working

No edges

Comfortable in the mouth and quieter in operation thanks to optimised flow

Precise

The cannulas can be guided easily and accurately in tight spaces, with no obstruction of visibility

* Refer to the notification from the Commission for Hospital Hygiene and Infection Prevention at the Robert Koch Institute on "Infection Prevention in Dentistry / Hygiene Requirements", section 5.2, published in Federal Health Bulletin 4/2006 (Springer-Verlag, Heidelberg). Further information about reflux can be found on page 4.

Perfect for you

The Dürr Dental range of handpieces

Dürr Dental offers suitable suction adapters for almost every manufacturer on the market. This allows you to configure your suction handpieces to suit your requirements. The swivel joint can also be used for fatigue-free and ergonomic working. It makes it easier to set the correct angle, shortens the length of the lever and offers significantly improved handling. Every handpiece is available with or without a rotary slider, which can be used to temporarily interrupt the suction. The rotary adaptor with secondary air inlets makes it even easier to work with this system.

Example: **Combination 1**



Rotary adaptor with
secondary air inlets
7600A010-08



Suction handpiece for large
suction hose without slider
7600A040-00



Swivel joint
7600A030-00



Hose adapter*
7600A010-20

Example: **Combination 2**



Cannula retainer
7600A020-03E



Suction handpiece for
saliva ejector hose with slider
7600A020-00



Hose adapter*
7600A020-11

Example: **Combination 3**



Rotary adaptor
7600A010-04



Suction handpiece for large
suction hose with slider
7600A025-50



Hose adapter*
7600A010-20

Funnel for large suction handpiece









Autoclavable (134°C)
7068-003-05

* Hose adapter for Dürr Dental Comfort supports

Order now

Order numbers and packaging units of the Dürr Dental cannulas

| | Order number | Product description | | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--|
|  | Universal cannula Protect Ø 16 mm | Edge-free, ergonomically shaped and autoclavable, incl. secondary air inlets for the best possible protection against reflux from the suction system. | | | |
| | 0700-059-00 | Universal cannula Protect | 20 pcs. | Grey | |
| | 0700-059-50 | Universal cannula Protect | 5 pcs. | Grey | |
| | 0700-059-51 | Universal cannula Protect | 5 pcs. | Yellow | |
| | 0700-059-54 | Universal cannula Protect | 5 pcs. | Blue | |
|  | Universal cannula Ø 16 mm | Exceptionally quiet when in use, edge-free, ergonomically shaped and autoclavable. | | | |
| | 0700-054-00 | Universal cannula | 20 pcs. | Grey | |
| | 0700-055-50 | Universal cannula | 5 pcs. | Grey | |
| | 0700-055-51 | Universal cannula | 5 pcs. | Yellow | |
| | 0700-055-53 | Universal cannula | 5 pcs. | Pink | |
| | 0700-055-54 | Universal cannula | 5 pcs. | Blue | |
| | 0700-055-55 | Universal cannula | 5 pcs. | Turquoise | |
|  | Universal cannula Petito with a protective function Ø 16 mm | Designed specifically for children's mouths, edge-free, ergonomically shaped and autoclavable, incl. secondary air inlets for the best possible protection against reflux from the suction system. | | | |
| | A700056050 | Universal cannula Petito | 5 pcs. | Grey | |
| | A700056051 | Universal cannula Petito | 5 pcs. | Yellow | |
| | A700056053 | Universal cannula Petito | 5 pcs. | Pink | |
| | A700056054 | Universal cannula Petito | 5 pcs. | Blue | |
| | A700056055 | Universal cannula Petito | 5 pcs. | Turquoise | |
|  | Universal cannula Petito Ø 11 mm | Designed specifically for children's mouths, edge-free, ergonomically shaped and autoclavable. | | | |
| | 0700-057-50 | Universal cannula Petito | 5 pcs. | Grey | |
| | 0700-057-51 | Universal cannula Petito | 5 pcs. | Yellow | |
| | 0700-057-54 | Universal cannula Petito | 5 pcs. | Blue | |
|  | Prophylaxis cannula Ø 16 mm | For effective suction of aerosol, larger particles and spray powder, incl. a rotating and fixable protective shield. | | | |
| | 0700-058-50 | Prophylaxis cannula | 4 pcs. | Grey | |
|  | Surgical suction cannula Ø 2.5 mm | With integrated secondary air inlets for the best possible protection against reflux from the suction system, individually packaged in sterile packaging, cannula length: 17.2 cm | | | |
| | 0700-007-50 | Surgical suction cannula for single use | 20 pcs. | | |
| | 0700-007-51 | Surgical suction cannula for single use | 100 pcs. | | |