Permanent aesthetics.

To make treatment as inconspicuous as possible, patients often choose ceramic brackets such as GLAM or QuicKlear. FOESTADENT BioCosmetic archwires are available to avoid steel archwires from interfering with the aesthetic effect. BioCosmetic NiTi archwires are coated with a tooth-coloured sheath of medical grade Teflon. This Teflon layer is highly resistant and does not discolour. This keeps treatment permanently inconspicuous.

Advantages at a glance.

- ***Gentle applying of pressure** and fewer changes of archwires due to ultra-elastic properties.*
- ***Fast treatment results,** smooth surface ensures low-friction transfer of pressure to the bracket.*
- ***Thermo-active material:** the archwires are only activated in the mouth and the pressure exercised can be reduced temporarily with cold foods or drinks.*

Reliability & precision made in Germany.

FORESTADENT is specialised in manufacturing orthodontic materials and is among the world leaders in this segment. The company was founded in 1907 as a manufacturer of jewellery and produced watches until well into the 1970's with their own movement. Even today, FORESTADENT benefits from its know-how in manufacturing minute high-precision parts in combination with advanced surface finishing.

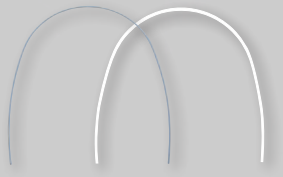
The company has been family-run for four generations. For over 100 years, FORESTADENT has been manufacturing in its main facility in Pforzheim and markets its products in over 80 countries.

Contact your clinician to discuss the best options for you.

FORESTADENT®
GERMAN PRECISION IN ORTHODONTICS

BioArchwires

Intelligent, caring and quick.



FORESTADENT®
GERMAN PRECISION IN ORTHODONTICS

Pain-free and quick.

The term "fixed braces" is usually associated with brackets bonded to the teeth as these tend to be the most prominent part of fixed braces. Little attention is generally paid to the archwire inserted in the brackets. Although in the end, it is the archwire and its elasticity which give teeth their desired position. When deciding in favour of high-quality and modern brackets, one should also consider archwires of corresponding quality.

NiTi – good memory and low forces.

NiTi stands for nickel-titanium. This state-of-the-art alloy is used for all FORESTADENT BioArchwires and is especially suited for orthodontic archwires as NiTi archwires are particularly shape-retentive. NiTi also possesses a special characteristic which we refer to as "ultra-elasticity". For example, if a conventional steel archwire is deformed, it will push back with a certain force. If it is deformed twice as much, it will push back twice as hard. NiTi behaves differently: if one bends a NiTi archwire it will always push back with the a consistent force, no matter how much it was deformed. This is ideal for moving teeth, as too great a force causes the patients pain and can damage the tooth roots in extreme cases.

Reaching objectives quickly.

The moving of teeth requires consistent pressure, not high pressure. Even in cases of severe malposition, where teeth have to be moved for considerable distances, the BioArchwires exert consistent uniform pressure. The pressure hardly diminishes whilst the teeth are approaching their optimal position. The BioArchwires do not need to be replaced to adapt pressure. In addition, and employing a special process, the surfaces of the FORESTADENT BioArchwires are polished to an extremely smooth finish. This reduces friction and results in quicker treatment results.

Need a short break?

NiTi archwires only have elastic properties following a certain temperature. At temperatures below they hardly exert any pressure. For BioArchwires this temperature is regulated to approximately 30°C. This has two advantages: on the one hand, the archwires are very easy to place at room temperature and only become active inside the mouth. On the other hand, cold foods and drinks can cool the archwires, so reducing the feeling of pressure temporarily. Many patients are thankful for these short "breaks", especially during the initial phase of treatment. As this effect does not last for long it does not adversely affect the course of treatment.