

2D[®] *Lingual Brackets*

Freedom for the tongue!

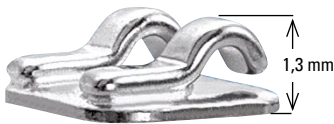
*The flattest brackets on the market
for best patient comfort.*

FORESTADENT[®]
GERMAN PRECISION IN ORTHODONTICS

Freedom for the tongue!

When using Forestadent's new 2D° lingual brackets, the tongue of your patient can keep its habitual space. Because tongues – especially the cheeky ones – need its freedom!

They are extremely flat, comfortable and thanks to its uncomplicated technique ideally suited for clinicians who would like to enter the field of lingual orthodontics – the new 2D° lingual brackets by Forestadent. Easy to handle, reasonably priced and no lab costs. This bracket system is a cost effective way to introduce lingual orthodontics into any practice.



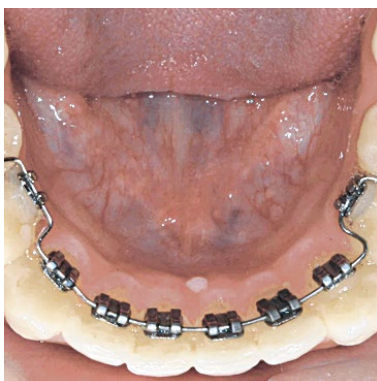
The flattest bracket in the world

The new 2D° lingual bracket has a total thickness of 1.3 to 1.65 mm. In combination with its round edges and smooth surfaces it is the number one bracket in terms of patient comfort.



Easy to use

2D° lingual brackets are easy to use self ligating brackets with a vertical slot for fast and easy archwire insertion. The archwire is inserted from the occlusal aspect into the special self ligating clips, which assure a better wire control and easy opening.



Best patient comfort

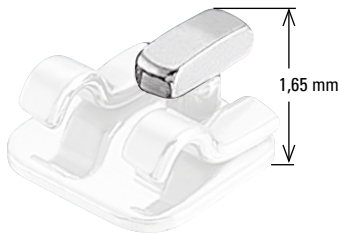
When using the new 2D° lingual brackets, your patient will not be effected by impairments in eating or speaking. Your patient can speak and eat immediately after insertion of the appliance without any noticeable difference in speech.

Excellent biomechanics

The bracket is bonded close to the centre of resistance and therefore offers excellent biomechanics for tipping and rotating teeth. The first treatment phase can be achieved remarkably fast.

Bracket variants

2D® Lingual Brackets are available in twelve different variants for the orthodontic treatment of malocclusion. This allows you to manage virtually every clinical situation. One differentiates between the following design characteristics.



- *The 2D® Lingual Bracket with T-hook for attaching elastic chains.*



- *2D® Plus Lingual Brackets for applying torque to individual teeth.*



- *2D® Lingual Brackets with gingival hook for mounting intermaxillary bands and other auxiliaries.*



- *2D® Large Twin Brackets are designed extra wide and ensure better rotation control.*



- *2D® Mini Ants are especially narrow and can therefore be used early on in crowding.*



- *The 2D® molar tube. Ultra-flat for greater patient comfort during lingual use.*

BioLingual® archwires



FORESTADENT BioLingual® nickel-titanium archwires were developed specifically for lingual treatment. They are of mushroom-shaped design and are available in six different shapes in four sizes each (.010", .012", .014" and .016").

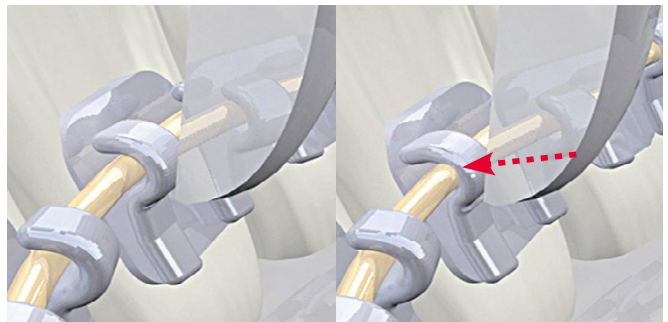
BioLingual® archwires are thermo-active and develop their optimal force at body temperature, for example, the established BioStarter® or BioTorque® archwires.

Indirect Bonding



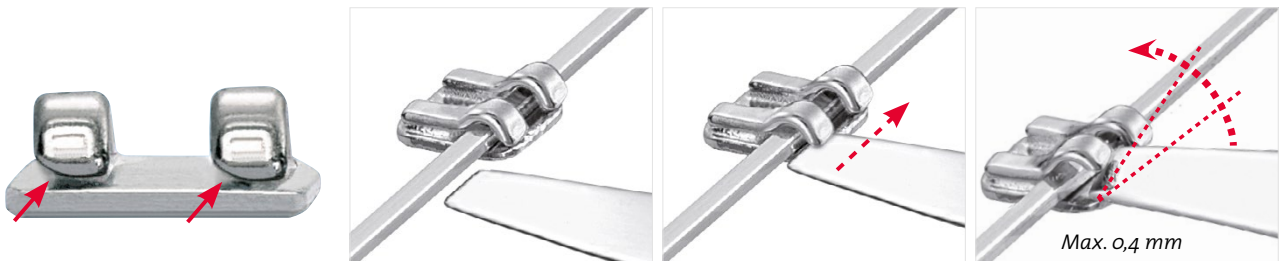
The 2D® lingual bracket can be bonded directly or indirectly.

Closing of the clip



The 2D® lingual bracket can easily be closed by using a Weingart ultra lightwire plier or a band removing plier.

Easy opening of the clip



The 2D® lingual bracket is easy to open. Just slide the special explorer between clip and bracket base and open the clip by lever movement. Round wires with a maximum diameter of .022" can be used.





Lingual-Brackets – the lingual brackets for simple cases

Clinical cases

Case 1: Dr. A. Gebhardt, Bad Wildungen, Germany. Class I with crowding in upper and lower jaw.



Start



After 6 months

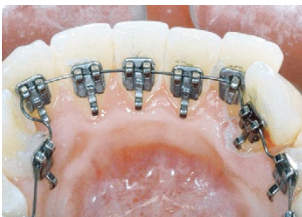


Start



After 6 months

Case 2: Dr. V. Cacciafesta, Pavia, Italy.



Start



After 3 months

Case 3: Dr. V. Cacciafesta, Pavia, Italy.



Start



After 3 months

Case 4: Dr. V. Cacciafesta, Pavia, Italy. Class I with crowding in upper and lower jaw.



Start



Start



After 2 months



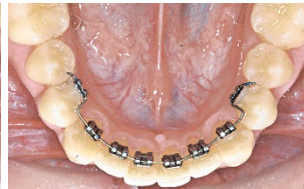
After 4 months



After 4 months



Start



After 2 months



After 4 months

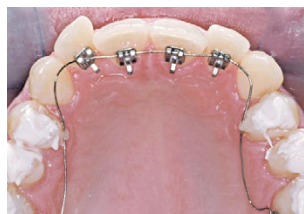
Case 5: Dr. Karp, Munich, Germany. Class I, deep bite and upright/slightly retroclined – 11 and 21.



Start



After 5 months



Start



After 3 months

Case 6: Dr. Geserick, Ulm, Germany. Patient with veneers to extend clinical crowns and to raise posterior bite.



Start



After 5 months



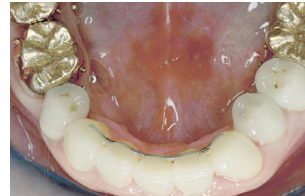
After 7 months



Start



After 5 months



After 7 months

Case 7: Dr. B. Ludwig and Dr. B. Glasl, Traben-Trarbach, Germany.



Upper incisors torqued with 2D plus brackets.



Case 8: Dr. V. Cacciafesta, Pavia, Italy. 2D® Lingual brackets Large Pad: rotation and angulation problems with maxillary incisors and molars.



Start



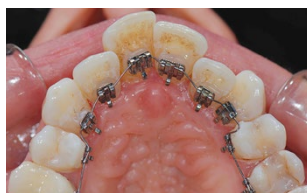
After 3 months (Non-extraction)



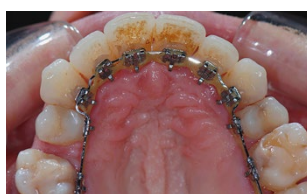
Case 9: Dr. V. Cacciafesta, Pavia, Italy. 2D® Plus Lingual brackets: application of torque to maxillary incisors in extraction cases and Class II, Div. 2.



Start



1 year und 3 months (Extraction of 15 and 25)





Order information

CE 0297

| Order No. | | Use | cont. | size | description | | | | | | | | | |
|-----------|---|---|---------|---------|-------------|---------------|--|---|--|---|----|------------|--|--|
| 760-1026 |  | <table><tr><td>54321</td><td>12345</td></tr><tr><td>54321</td><td>12345</td></tr></table> | 54321 | 12345 | 54321 | 12345 | 10 | medium twin | 2D Lingual Bracket without hook , self ligating, only 1,3 mm flat | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 760-1126 |  | <table><tr><td>7654321</td><td>1234567</td></tr><tr><td>7654321</td><td>1234567</td></tr></table> | 7654321 | 1234567 | 7654321 | 1234567 | 10 | medium twin | 2D Lingual Bracket with large, gingival hook , only 1,3 mm flat | | | | | |
| 7654321 | 1234567 | | | | | | | | | | | | | |
| 7654321 | 1234567 | | | | | | | | | | | | | |
| 763-1126 |  | <table><tr><td>54321</td><td>12345</td></tr><tr><td>54321</td><td>12345</td></tr></table> | 54321 | 12345 | 54321 | 12345 | 10 | medium twin | 2D Lingual Bracket with T-hook | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 761-1126 |  | <table><tr><td>54321</td><td>12345</td></tr><tr><td>54321</td><td>12345</td></tr></table> | 54321 | 12345 | 54321 | 12345 | 10 | medium twin | 2D Plus Lingual Bracket without hook to apply torque on single teeth | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 762-1126 |  | <table><tr><td>54321</td><td>12345</td></tr><tr><td>54321</td><td>12345</td></tr></table> | 54321 | 12345 | 54321 | 12345 | 10 | medium twin | 2D Plus Lingual Bracket with gingival hook to apply torque on single teeth | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 54321 | 12345 | | | | | | | | | | | | | |
| 760-1028 |  | <table><tr><td>321</td><td>123</td></tr></table> | 321 | 123 | 10 | narrow single | 2D Lingual Bracket without hook , self ligating, only 1,3 mm flat | | | | | | | |
| 321 | 123 | | | | | | | | | | | | | |
| 760-1029 |  | <table><tr><td>21</td><td>12</td></tr></table> | 21 | 12 | 10 | narrow twin | Mini Ants for better rotation control | | | | | | | |
| 21 | 12 | | | | | | | | | | | | | |
| 760-1030 |  | <table><tr><td>21</td><td>12</td></tr></table> | 21 | 12 | 10 | narrow twin | Mini Ants with hook for better rotation control | | | | | | | |
| 21 | 12 | | | | | | | | | | | | | |
| 760-1027 |  | <table><tr><td>7654</td><td>1</td><td>1</td><td>4567</td></tr><tr><td>7654</td><td></td><td></td><td>4567</td></tr></table> | 7654 | 1 | 1 | 4567 | 7654 | | | 4567 | 10 | large twin | 2D Lingual Bracket without hook , self ligating, only 1,3 mm flat | |
| 7654 | 1 | 1 | 4567 | | | | | | | | | | | |
| 7654 | | | 4567 | | | | | | | | | | | |
| 760-1127 |  | <table><tr><td>7654</td><td>1</td><td>1</td><td>4567</td></tr><tr><td>7654</td><td></td><td></td><td>4567</td></tr></table> | 7654 | 1 | 1 | 4567 | 7654 | | | 4567 | 10 | large twin | 2D Lingual Bracket with large, gingival hook , only 1,3 mm flat, extra wide for increased control of angulation and torque | |
| 7654 | 1 | 1 | 4567 | | | | | | | | | | | |
| 7654 | | | 4567 | | | | | | | | | | | |
| 762-1127 |  | <table><tr><td>7654</td><td>1</td><td>1</td><td>4567</td></tr><tr><td>7654</td><td></td><td></td><td>4567</td></tr></table> | 7654 | 1 | 1 | 4567 | 7654 | | | 4567 | 10 | large twin | 2D Plus Lingual Bracket with gingival hook to apply torque on single teeth, extra wide for increased control of angulation and torque | |
| 7654 | 1 | 1 | 4567 | | | | | | | | | | | |
| 7654 | | | 4567 | | | | | | | | | | | |
| 760-1032 |  | <table><tr><td>321</td><td>123</td></tr></table> | 321 | 123 | 10 | narrow twin | Mini Ants for better rotation control, wide | | | | | | | |
| 321 | 123 | | | | | | | | | | | | | |
| 760-0074 |  | <table><tr><td>76</td><td>67</td></tr><tr><td>76</td><td>67</td></tr></table> | 76 | 67 | 76 | 67 | 10 | | Lingual attachment for fixation of RPE screws and distalizers, tube diameter 1,5 mm |  | | | | |
| 76 | 67 | | | | | | | | | | | | | |
| 76 | 67 | | | | | | | | | | | | | |
| 760-1167 |  | <table><tr><td>76</td><td>67</td></tr></table> | 76 | 67 | 10 | standard | Lingual tube |  | | | | | | |
| 76 | 67 | | | | | | | | | | | | | |
| 760-2167 | | <table><tr><td>76</td><td>67</td></tr></table> | 76 | 67 | 10 | | | | | | | | | |
| 76 | 67 | | | | | | | | | | | | | |

Starter Kits






€ 0297










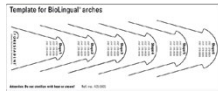
| | | |
|----------|--|--|
| 707-1503 | Starter Kit 2D* Lingual Brackets with and without T-hook 2D* Lingual Brackets – 5 cases (60 with T-hook, 40 without T-hook), 1 Model 2D* Lingual Brackets upper + lower | additional contents in every kit: 1 Special explorer with director 1 BioLingual® archwire 0.010" - Shape 2 1 BioLingual® archwire 0.010" - Shape 5 1 BioLingual® archwire 0.012" - Shape 2 1 BioLingual® archwire 0.012" - Shape 3 1 BioLingual® archwire 0.012" - Shape 4 1 BioLingual® archwire 0.012" - Shape 5 1 BioLingual® archwire 0.016" - Shape 2 1 BioLingual® archwire 0.016" - Shape 3 1 BioLingual® archwire 0.016" - Shape 4 1 BioLingual® archwire 0.016" - Shape 5 Patient brochure Lingual (appr. 25 pieces) Template for BioLingual®-archwires |
| 707-1504 | Starter Kit 2D* Lingual Brackets with T-hook 2D* Lingual Brackets – 5 cases with T-hook. (100 Brackets) 1 Model 2D* Lingual Brackets upper + lower | |
| 707-1505 | Starter Kit 2D* Lingual Brackets mixed with large gingival hook 2D* Lingual Brackets – 5 cases (40 x 760-1026 Medium Twin, 40 x 760-1126 Medium Twin, 10 x 760-1027 Large Twin, 10 x 760-1028 narrow Twin) 1 Model 2D* Lingual Brackets upper + lower | |



Lingual Brackets – 1 case (20 Brackets, 5 - 5)

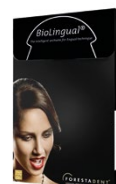
€ 0297

| Order No. | Bracket | Use | cont. | size | description |
|-----------|---|--|-------|-------------|--|
| 706-0869 |  | 5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5 | 8x | medium twin | 2D Lingual Bracket without hook , self ligating, only 1,3 mm flat |
| |  | 5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5 | 12x | medium twin | 2D Lingual Bracket with T-hook |
| 706-0874 |  | 5 4 3 2 1 1 2 3 4 5 5 4 3 2 1 1 2 3 4 5 | 20x | medium twin | 2D Lingual Bracket with T-hook |

Materials for lingual technique







| Order No. | | Cont. | Description | |
|----------------------|---|-------------------|---|---|
| 655-0015 € € 0297 |  | 1 roll (1,5 m) | Lingual elastic chain – flatter than standard-chains | |
| 501-0855 € € |  | 1 | Archwire-Tucker disinfectable, sterilisable | |
| 501-0843 € € |  | 1 | Special explorer with director to open the 2D* lingual brackets | |
| 501-0845 € € |  | 1 | Weingart-Ultra light wire plier |  |
| 501-0840 € € |  | 1 | 2D* bracket opening plier |  |
| 501-0223 € € |  | 1 | 2D* Lingual bracket tweezers – 3 mm |  |
| 501-0224 € € | | 1 | 2D* Lingual bracket tweezers – 4 mm | |
| 501-0225 € € | | 1 | 2D* Lingual bracket tweezers – 5 mm | |
| 435-0005 |  | 1 | Template for BioLingual archwires | |

| Order No. | | Cont. | Description |
|-----------|---|-------|---|
| 501-0863 |  | 1 | Dental calliper gauge with graphite marker for measurements of internal and external dimensions of lab works |
| 501-0879 |  | 10 | Spare leads for dental calliper gauge |



€ 0297

BioLingual® archwires

| Size | Profile | Force | Content |  Shape 1 |  Shape 2 |  Shape 3 |  Shape 4 |  Shape 5 |  Shape 6 |
|-------|---------|-------|---------|--|--|--|--|--|--|
| .010" | ● | 20 g | 10 | 270-0125 | 270-0225 | 270-0325 | 270-0425 | 270-0525 | 270-0625 |
| .012" | ● | 30 g | 10 | 270-0130 | 270-0230 | 270-0330 | 270-0430 | 270-0530 | 270-0630 |
| .014" | ● | 40 g | 10 | 270-0135 | 270-0235 | 270-0335 | 270-0435 | 270-0535 | 270-0635 |
| .016" | ● | 50 g | 10 | 270-0140 | 270-0240 | 270-0340 | 270-0440 | 270-0540 | 270-0640 |

BioLingual® archwires – customised packed

€ 0297

| size | profile | force | Order No. | content | | | |
|-------|---------|-------|-----------|---------|---------|---------|---------|
| | | | | Shape 2 | Shape 3 | Shape 4 | Shape 5 |
| .012" | ● | 30 g | 270-0030 | 2 | 3 | 3 | 2 |
| .014" | ● | 40 g | 270-0035 | 2 | 3 | 3 | 2 |
| .016" | ● | 50 g | 270-0040 | 2 | 3 | 3 | 2 |

Titanol® lingual archwires

€ 0297

|  Maxillary Form 2 Mandibular | size | quality | content | Order No. |
|--|-------------------------|----------|---------|-----------|
| | OK / max .012" | Titanol® | 10 | 272-0830 |
| | UK / mand .012" | | 10 | 272-0930 |
| | OK / max .014" | Titanol® | 10 | 272-0835 |
| | UK / mand .014" | | 10 | 272-0935 |
| | OK / max .016" | Titanol® | 10 | 272-0840 |
| | UK / mand .016" | | 10 | 272-0940 |
| | OK / max .016" x .016" | Titanol® | 10 | 272-1440 |
| | UK / mand .016" x .016" | | 10 | 272-1540 |

Betaflex Titan-archwires

€ 0297

| | size | profile | content | Order No. |
|--|-------------|--|---------|-----------|
|  Betaflex titanium wires – straight, 380 mm = 15" length | .016 x .022 |  | 10 | 220-4055 |

Bernhard Förster GmbH · Westliche Karl-Friedrich-Straße 151 · 75172 Pforzheim · Germany
Phone + 49 7231 459-0 · Fax + 49 7231 459-102 · info@forestadent.com · www.forestadent.com
Forestadent USA · 2315 Weldon Parkway · St. Louis, MO 63146 · TOLL FREE 1-800-721-4940
Fax 314-878-7604 · info@forestadentusa.com · www.forestadentusa.com
Forestadent Ltd. · Unit 1 · Crossinglands Business Park · Salford Road · Aspley Guise MK17 8H
Phone: + 44 19 08 22 78 51 · Fax: + 44 19 08 32 00 29 · info@forestadent.co.uk