



**discovery**<sup>®</sup>  
*..pearl*

# fascinatingly **natural**

**D**  
DENTAURUM



#The beauty  
of ceramics



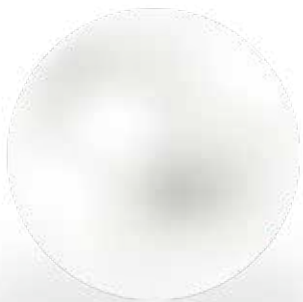
## Naturally from Dentaureum – made in Germany.

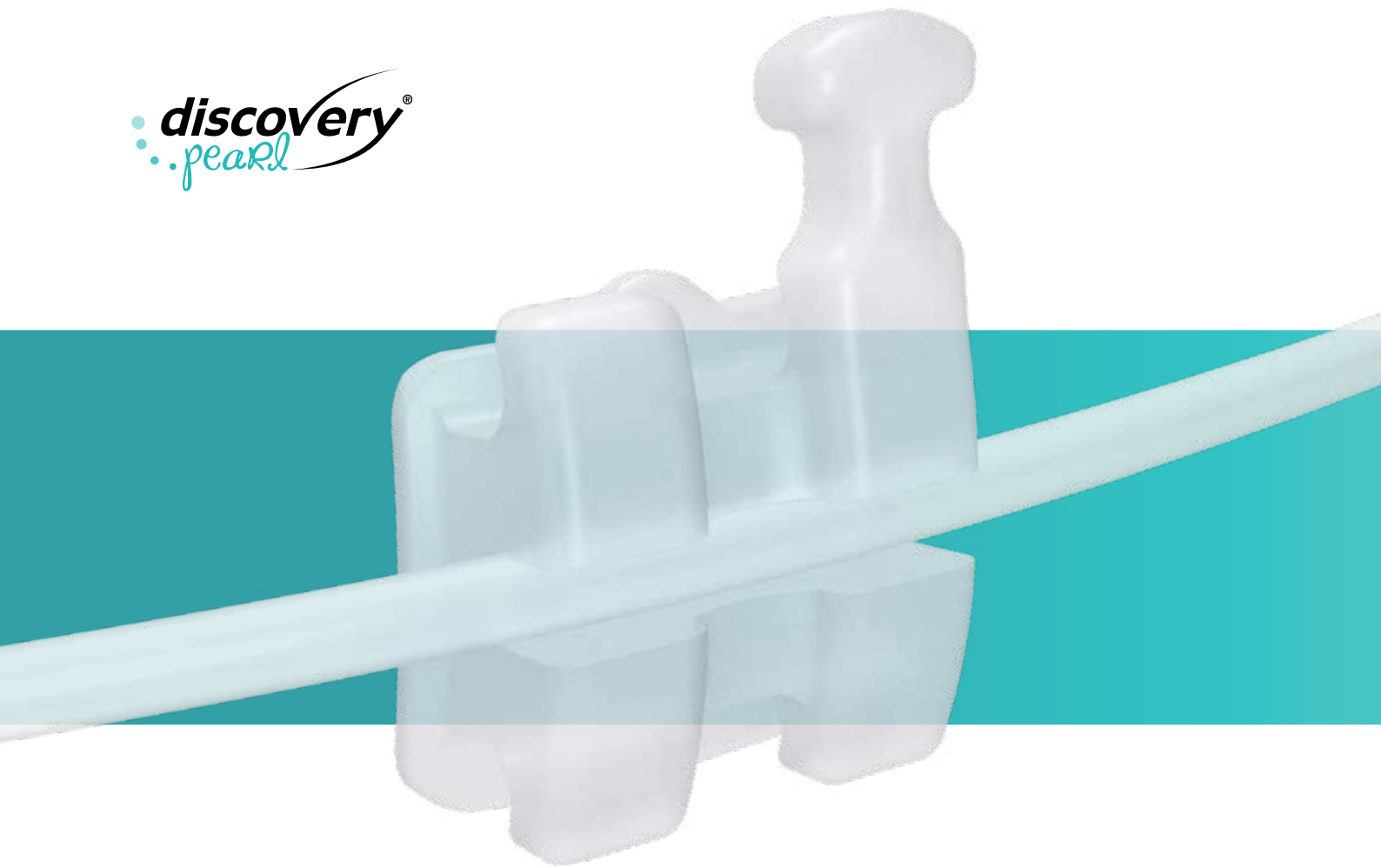
Dentaureum has stood for more than 130 years for products that set standards in quality and performance. Our brackets are high-precision products – developed and manufactured in Germany.

More than three years of development have resulted in the highly aesthetic discovery® pearl bracket from Dentaureum: it is an all-ceramic bracket that transcends all the previous boundaries of aesthetics, quality and performance.

When bonded to the tooth, discovery® pearl adapts perfectly to the natural environment of the tooth due to its shade and high degree of translucency. With its perfect geometry and size, the innovative bracket seems virtually invisible in the mouth.

With discovery® pearl it is possible to fulfill the highest of demands for an aesthetic correction of the teeth – discreetly, efficiently and with a perfected naturalness.





discovery® pearl is an **all-ceramic bracket** without irritating metal inserts in the slot. It was designed **in one piece** and is manufactured in state-of-the-art production facilities using the CIM process (Ceramic Injection Molding). The proven **bracket geometry** of the discovery® family ensures easy **combination** between discovery® metal and ceramic brackets. There is a clear system of innovative **colored positioning guides** which helps allocate each bracket to the right tooth. The system also helps to align and position the bracket very easily.

# #Perfect aesthetics

## Highest degree of translucency.

The transparency of a ceramic material is determined by the intensity of reflected, absorbed or scattered light. The high level of translucency offered by discovery® pearl means patients can enjoy the natural aesthetics they wish to have. The brackets are barely visible and they merge with the natural tooth shade. They unite beauty with functionality.



## Clinical situation.

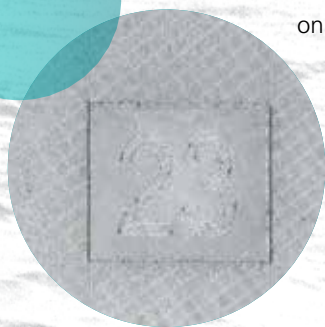
The aesthetics can hardly be surpassed. discovery® pearl brackets adapt so well to the natural surroundings of the teeth that it almost feels as if they were not there: a perfect, aesthetic solution.



# #Proven function

## REM images of base.

The laser structure on the base was developed at Dentaurem and has been used successfully on our metal brackets for years. The structure ensures the best possible retention and eases debonding.



## Innovative positioning.

Positioning the bracket on the tooth is easy with the help of the colored positioning guides. The different colors help in allocating the bracket to the correct tooth.





The perfect **shade adaptation** to the natural tooth makes discovery® pearl look as if the bracket were not there.

The **optimal size** – small, yet tremendously effective – brings excellent therapy results. The **anatomical base** ensures a **perfect fit** on the tooth. The base is optimally adapted to the contour of the tooth so the bracket can be positioned easily. The best bonding and debonding results can be achieved with the **laser-structured base**. Removing the bracket from the tooth using the discovery® pearl debonding instrument is easy and gentle on the tooth.

# #Accessories pearl

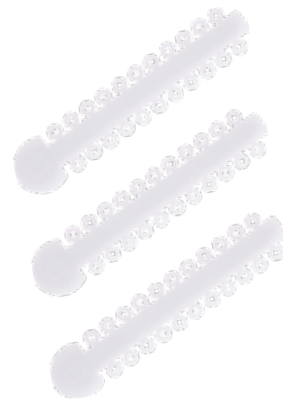


## Translucent ideal arch pearl, round.

Nothing disturbs the look of aesthetic treatment more than metal archwires and ligatures. For the first time ever, an archwire has been developed that is almost invisible. It is made of glass-fiber reinforced plastic and has similar treatment characteristics to nickel-titanium archwires.

| ø            | REF               | Quantity |
|--------------|-------------------|----------|
| 0.45 mm / 18 | <b>766-906-00</b> | 5 pieces |

CE 0483



## Dentalastics® pearl, ligature rings.

The Dentalastics® pearl round off the look of a therapy that is invisible. Thanks to their mother-of-pearl shimmer, they adapt perfectly to the shade of the tooth.

Especially delicate plastic ligatures, instead of wire ligatures, for ligating archwires in brackets.  
**Content:** 45 sticks x 22 rings = 990 pieces

| Color | Ring inner ø | REF               | Quantity |
|-------|--------------|-------------------|----------|
| pearl | 1.3 mm       | <b>774-563-00</b> | 1 packet |

CE 0483



## discovery® pearl debonding instrument.

Debonding is also unproblematic thanks to the innovative discovery® pearl debonding instrument. The bracket can be easily and gently removed in one piece from the adhesive without excessive force. The adhesive remains on the tooth and can then be removed. As an alternative, bracket debonding pliers are available.

### sterilizable

For easy and secure removal of **discovery® pearl ceramic brackets**.

| REF               | Quantity |
|-------------------|----------|
| <b>019-001-00</b> | 1 piece  |

CE



## Elasto-Force plastic chain pearl.

The Elasto-Force plastic chain, also named power chain, is mainly used for gap closure in combination with discovery® pearl brackets. Small gaps in particular are hard to close using only the archwire of the fixed brace. It becomes easy when an Elasto-Force plastic chain is used. Depending on how the Elasto-Force plastic chain is fixed, the tooth can also be turned or repositioned – or all at once.

| Color | Ring inner ø | Length | REF               | Quantity |
|-------|--------------|--------|-------------------|----------|
| pearl | 1.3 mm       | 4.5 m  | <b>774-236-00</b> | 1 roll   |

CE 0483



# #Single bracket pearl



## Roth 18/22

with positioning guide

| Teeth | Torque | Angulation | In/Out | Hook | Width  | REF (18)   | REF (22)   | Quantity |
|-------|--------|------------|--------|------|--------|------------|------------|----------|
| 11    | + 12°  | + 5°       | 0.7 mm |      | 3.1 mm | 718-701-11 | 722-701-11 | 1 piece  |
| 21    | + 12°  | + 5°       | 0.7 mm |      | 3.1 mm | 718-701-21 | 722-701-21 | 1 piece  |
| 12    | + 8°   | + 9°       | 1.3 mm |      | 2.7 mm | 718-701-12 | 722-701-12 | 1 piece  |
| 22    | + 8°   | + 9°       | 1.3 mm |      | 2.7 mm | 718-701-22 | 722-701-22 | 1 piece  |
| 13    | - 2°   | + 13°      | 0.7 mm | •    | 3.1 mm | 718-741-13 | 722-741-13 | 1 piece  |
| 23    | - 2°   | + 13°      | 0.7 mm | •    | 3.1 mm | 718-741-23 | 722-741-23 | 1 piece  |
| 14    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-701-14 | 722-701-14 | 1 piece  |
| 24    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-701-24 | 722-701-24 | 1 piece  |
| 14    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-14 | 722-741-14 | 1 piece  |
| 24    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-24 | 722-741-24 | 1 piece  |
| 15    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-701-15 | 722-701-15 | 1 piece  |
| 25    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-701-25 | 722-701-25 | 1 piece  |
| 15    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-15 | 722-741-15 | 1 piece  |
| 25    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-25 | 722-741-25 | 1 piece  |



| Teeth | Torque | Angulation | In/Out | Hook | Width  | REF (18)   | REF (22)   | Quantity |
|-------|--------|------------|--------|------|--------|------------|------------|----------|
| 41    | - 1°   | 0°         | 1.3 mm |      | 2.7 mm | 718-701-41 | 722-701-41 | 1 piece  |
| 31    | - 1°   | 0°         | 1.3 mm |      | 2.7 mm | 718-701-31 | 722-701-31 | 1 piece  |
| 42    | - 1°   | 0°         | 1.3 mm |      | 2.7 mm | 718-701-42 | 722-701-42 | 1 piece  |
| 32    | - 1°   | 0°         | 1.3 mm |      | 2.7 mm | 718-701-32 | 722-701-32 | 1 piece  |
| 43    | - 11°  | + 7°       | 0.7 mm | •    | 3.1 mm | 718-741-43 | 722-741-43 | 1 piece  |
| 33    | - 11°  | + 7°       | 0.7 mm | •    | 3.1 mm | 718-741-33 | 722-741-33 | 1 piece  |
| 44    | - 17°  | 0°         | 0.7 mm |      | 3.1 mm | 718-701-44 | 722-701-44 | 1 piece  |
| 34    | - 17°  | 0°         | 0.7 mm |      | 3.1 mm | 718-701-34 | 722-701-34 | 1 piece  |
| 44    | - 17°  | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-44 | 722-741-44 | 1 piece  |
| 34    | - 17°  | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-34 | 722-741-34 | 1 piece  |
| 45    | - 22°  | 0°         | 0.7 mm |      | 3.1 mm | 718-701-45 | 722-701-45 | 1 piece  |
| 35    | - 22°  | 0°         | 0.7 mm |      | 3.1 mm | 718-701-35 | 722-701-35 | 1 piece  |
| 45    | - 22°  | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-45 | 722-741-45 | 1 piece  |
| 35    | - 22°  | 0°         | 0.7 mm | •    | 3.1 mm | 718-741-35 | 722-741-35 | 1 piece  |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30



## McLaughlin-Bennett-Trevisi\*\* 18/22

with positioning guide

| Teeth | Torque | Angulation | In/Out | Hook | Width  | REF (18)   | REF (22)   | Quantity |
|-------|--------|------------|--------|------|--------|------------|------------|----------|
| 11    | + 17°  | + 4°       | 0.7 mm |      | 3.1 mm | 718-702-11 | 722-702-11 | 1 piece  |
| 21    | + 17°  | + 4°       | 0.7 mm |      | 3.1 mm | 718-702-21 | 722-702-21 | 1 piece  |
| 12    | + 10°  | + 8°       | 1.3 mm |      | 2.7 mm | 718-702-12 | 722-702-12 | 1 piece  |
| 22    | + 10°  | + 8°       | 1.3 mm |      | 2.7 mm | 718-702-22 | 722-702-22 | 1 piece  |
| 13    | 0°     | + 8°       | 0.7 mm | •    | 3.1 mm | 718-742-13 | 722-742-13 | 1 piece  |
| 23    | 0°     | + 8°       | 0.7 mm | •    | 3.1 mm | 718-742-23 | 722-742-23 | 1 piece  |
| 14    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-702-14 | 722-702-14 | 1 piece  |
| 24    | - 7°   | 0°         | 0.7 mm |      | 3.1 mm | 718-702-24 | 722-702-24 | 1 piece  |
| 14    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-742-14 | 722-742-14 | 1 piece  |
| 24    | - 7°   | 0°         | 0.7 mm | •    | 3.1 mm | 718-742-24 | 722-742-24 | 1 piece  |
| 15    | - 7°   | 0°         | 1.2 mm |      | 3.1 mm | 718-702-15 | 722-702-15 | 1 piece  |
| 25    | - 7°   | 0°         | 1.2 mm |      | 3.1 mm | 718-702-25 | 722-702-25 | 1 piece  |
| 15    | - 7°   | 0°         | 1.2 mm | •    | 3.1 mm | 718-742-15 | 722-742-15 | 1 piece  |
| 25    | - 7°   | 0°         | 1.2 mm | •    | 3.1 mm | 718-742-25 | 722-742-25 | 1 piece  |



| Teeth | Torque | Angulation | In/Out | Hook | Width  | REF (18)   | REF (22)   | Quantity |
|-------|--------|------------|--------|------|--------|------------|------------|----------|
| 41    | - 6°   | 0°         | 1.3 mm |      | 2.7 mm | 718-702-41 | 722-702-41 | 1 piece  |
| 31    | - 6°   | 0°         | 1.3 mm |      | 2.7 mm | 718-702-31 | 722-702-31 | 1 piece  |
| 42    | - 6°   | 0°         | 1.3 mm |      | 2.7 mm | 718-702-42 | 722-702-42 | 1 piece  |
| 32    | - 6°   | 0°         | 1.3 mm |      | 2.7 mm | 718-702-32 | 722-702-32 | 1 piece  |
| 43    | 0°     | + 3°       | 0.7 mm | •    | 3.1 mm | 718-742-43 | 722-742-43 | 1 piece  |
| 33    | 0°     | + 3°       | 0.7 mm | •    | 3.1 mm | 718-742-33 | 722-742-33 | 1 piece  |
| 44    | - 12°  | + 2°       | 0.7 mm |      | 3.1 mm | 718-702-44 | 722-702-44 | 1 piece  |
| 34    | - 12°  | + 2°       | 0.7 mm |      | 3.1 mm | 718-702-34 | 722-702-34 | 1 piece  |
| 44    | - 12°  | + 2°       | 0.7 mm | •    | 3.1 mm | 718-742-44 | 722-742-44 | 1 piece  |
| 34    | - 12°  | + 2°       | 0.7 mm | •    | 3.1 mm | 718-742-34 | 722-742-34 | 1 piece  |
| 45    | - 17°  | + 2°       | 0.7 mm |      | 3.1 mm | 718-702-45 | 722-702-45 | 1 piece  |
| 35    | - 17°  | + 2°       | 0.7 mm |      | 3.1 mm | 718-702-35 | 722-702-35 | 1 piece  |
| 45    | - 17°  | + 2°       | 0.7 mm | •    | 3.1 mm | 718-742-45 | 722-742-45 | 1 piece  |
| 35    | - 17°  | + 2°       | 0.7 mm | •    | 3.1 mm | 718-742-35 | 722-742-35 | 1 piece  |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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Maxillary

Mandibular

# #Assortment pearl

## Assortment Roth



### Roth 18/22

Hook on cuspid · with positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 13-11/21-23 | 718-701-03 | 722-701-03 | 1 bracket each = 6 pieces  |
| 15-11/21-25 | 718-701-05 | 722-701-05 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 13-11/21-23/43-41/31-33 | 718-701-63 | 722-701-63 | 1 bracket each = 12 pieces |
| 15-11/21-25/45-41/31-35 | 718-701-65 | 722-701-65 | 1 bracket each = 20 pieces |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30



### Roth 18/22

Hook on cuspid · without positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 13-11/21-23 | 718-701-73 | 722-701-73 | 1 bracket each = 6 pieces  |
| 15-11/21-25 | 718-701-75 | 722-701-75 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 13-11/21-23/43-41/31-33 | 718-701-83 | 722-701-83 | 1 bracket each = 12 pieces |
| 15-11/21-25/45-41/31-35 | 718-701-85 | 722-701-85 | 1 bracket each = 20 pieces |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30



### Roth 18/22

Hook on cuspid, first bicuspid and second bicuspid · with positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 15-11/21-25 | 718-741-60 | 722-741-60 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 15-11/21-25/45-41/31-35 | 718-741-65 | 722-741-65 | 1 bracket each = 20 pieces |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30



### Roth 18/22

Hook on cuspid, first bicuspid and second bicuspid · without positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 15-11/21-25 | 718-741-80 | 722-741-80 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 15-11/21-25/45-41/31-35 | 718-741-85 | 722-741-85 | 1 bracket each = 20 pieces |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30



### Roth 22

Hook on cuspid · with positioning guide

| Brackets         | Teeth       | REF (22)   | Quantity                   |
|------------------|-------------|------------|----------------------------|
| discovery® pearl | 15-11/21-25 | 891-404-00 | 1 bracket each = 20 pieces |
| discovery® smart | 45-41/31-35 |            |                            |

CE 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

Maxillary

Maxillary + Mandibular

# #Assortment pearl

## Assortments MBT\*\*

### McLaughlin-Bennett-Trevisi\*\* 18/22

Hook on cuspid - with positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 13-11/21-23 | 718-702-03 | 722-702-03 | 1 bracket each = 6 pieces  |
| 15-11/21-25 | 718-702-05 | 722-702-05 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 13-11/21-23/43-41/31-33 | 718-702-63 | 722-702-63 | 1 bracket each = 12 pieces |
| 15-11/21-25/45-41/31-35 | 718-702-65 | 722-702-65 | 1 bracket each = 20 pieces |

CC 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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### McLaughlin-Bennett-Trevisi\*\* 18/22

Hook on cuspid - without positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 13-11/21-23 | 718-702-73 | 722-702-73 | 1 bracket each = 6 pieces  |
| 15-11/21-25 | 718-702-75 | 722-702-75 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 13-11/21-23/43-41/31-33 | 718-702-83 | 722-702-83 | 1 bracket each = 12 pieces |
| 15-11/21-25/45-41/31-35 | 718-702-85 | 722-702-85 | 1 bracket each = 20 pieces |

CC 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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### McLaughlin-Bennett-Trevisi\*\* 18/22

Hook on cuspid, first bicuspid and second bicuspid - with positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 15-11/21-25 | 718-742-60 | 722-742-60 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 15-11/21-25/45-41/31-35 | 718-742-65 | 722-742-65 | 1 bracket each = 20 pieces |

CC 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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### McLaughlin-Bennett-Trevisi\*\* 18/22

Hook on cuspid, first bicuspid and second bicuspid - without positioning guide

| Teeth       | REF (18)   | REF (22)   | Quantity                   |
|-------------|------------|------------|----------------------------|
| 15-11/21-25 | 718-742-80 | 722-742-80 | 1 bracket each = 10 pieces |

| Teeth                   | REF (18)   | REF (22)   | Quantity                   |
|-------------------------|------------|------------|----------------------------|
| 15-11/21-25/45-41/31-35 | 718-742-85 | 722-742-85 | 1 bracket each = 20 pieces |

CC 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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### McLaughlin-Bennett-Trevisi\*\* 22

Hook on cuspid - with positioning guide

| Brackets         | Teeth       | REF (22)   | Quantity                   |
|------------------|-------------|------------|----------------------------|
| discovery® pearl | 15-11/21-25 | 891-400-00 | 1 bracket each = 20 pieces |
| discovery® smart | 45-41/31-35 |            |                            |

CC 0483

Slot 18: 0.46 x 0.76 mm / 18 x 30  
Slot 22: 0.56 x 0.76 mm / 22 x 30

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Maxillary

Maxillary + Mandibular

# Dentaurum

Germany | Benelux | España | France | Italia | Switzerland | Australia | Canada | USA  
and in more than 130 countries worldwide.



DENTAURUM  
QUALITY  
WORLDWIDE  
UNIQUE



Date of information: 2023-11  
Subject to modifications



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