

myobrace®

Orthodontics
without braces



APPLIANCE CATALOGUE

www.myoresearch.com



Myofunctional orthodontics

Over the last 20 years *Myofunctional Research Co. (MRC)* have developed orthodontic appliances to improve the dental and facial development of children from 5 -15 years of age, using myofunctional orthodontic techniques instead of traditional orthodontics. This technique not only straightens teeth (often without braces) but also treats the causes of crooked teeth and incorrect jaw development.

75% of growing children have malocclusion and incorrect facial development. Soft Tissue Dysfunction is the major cause.

What causes orthodontic problems

The majority of our children will develop crowded teeth and incorrect jaw alignment. Comprehensive research has shown that mouth breathing, tongue thrusting, reverse swallowing and thumb sucking – known as incorrect myofunctional habits – are the real causes of malocclusion. These habits limit the child's cranio-facial development - resulting in orthodontic problems.



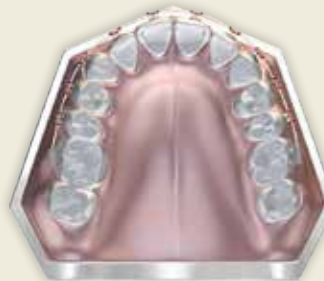
Incorrect tongue position restricts development of the maxilla causing crowding.



Reverse swallow restricts mandibular development causing crowding.

Limitations of orthodontic treatment with braces

The orthodontic profession now recognises that although braces can align teeth effectively, maintaining this alignment requires permanent retainers for life. In addition, research has found that damage to the roots (root resorption) occurs in virtually every case. Parents are increasingly questioning the effectiveness and safety of orthodontic treatment with braces.



Treatment with braces.



Permanent fixed retainer.

How Myobrace® works

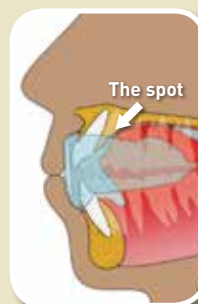
MRC has pioneered the use of appliances to correct myofunctional habits in growing children and has proven success in orthodontic correction without braces.* This treatment can also lead to better facial development in growing children. The key to this treatment is correcting the position and function of the tongue, obtaining correct nose breathing and retraining the oral muscles to function correctly.

Myobrace® appliances effectively train the tongue to position correctly in the upper jaw, retrain oral musculature and exert light forces to expand the jaws and align the teeth.

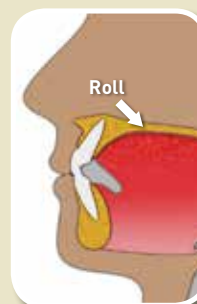
Goals of treatment:

- Correct nasal breathing.
- Correct function of oral-facial musculature.
- Correct arch form and tooth alignment.

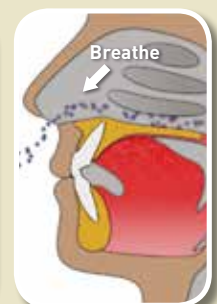
The *Myobrace®* trains the tongue to position correctly, encourages correct swallowing and breathing patterns. The effect of the correct tongue position and *Dynamicore™* corrects arch form and improves tooth alignment.



Correct rest position



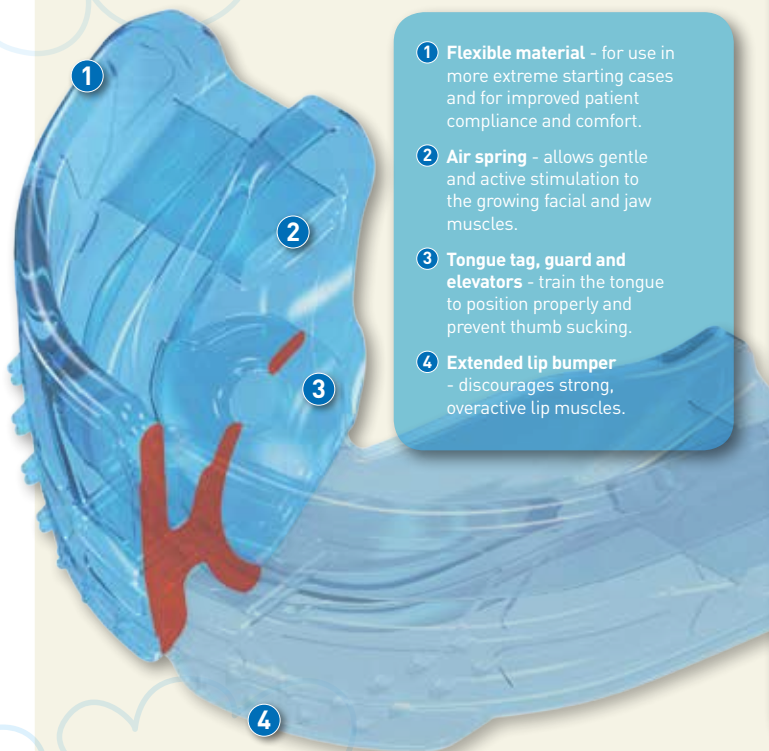
Correct swallowing pattern



Breathing awareness

* Visit www.myoresearch.com to view research.

Myobrace for Juniors™



- ① **Flexible material** - for use in more extreme starting cases and for improved patient compliance and comfort.
- ② **Air spring** - allows gentle and active stimulation to the growing facial and jaw muscles.
- ③ **Tongue tag, guard and elevators** - train the tongue to position properly and prevent thumb sucking.
- ④ **Extended lip bumper** - discourages strong, overactive lip muscles.

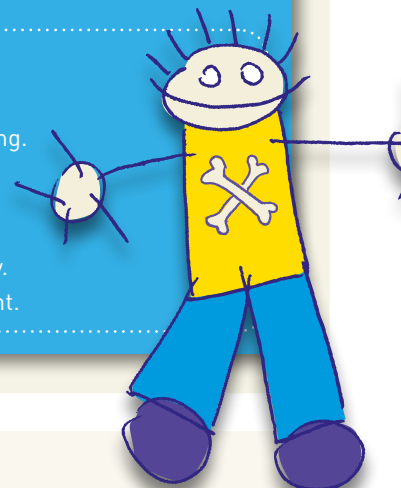
Primary dentition

Myobrace for Juniors™ is a three-stage appliance system designed specifically to correct poor oral habits while treating upper and lower jaw development problems. *Myobrace for Juniors™* is most effective in the primary dentition from as early as three years of age.

For assistance with appliance selection, use the 'Appliance Selector' feature on myoresearch.com.

Designed for:

- Exercising jaw muscles.
- Encouraging correct chewing.
- Training correct nasal breathing.
- Correcting tongue position.
- Replacing pacifier / dummy.
- Improving arch development.



HABIT CORRECTION

STAGE 1



J1 APPLIANCE (left)
J1 CROSS SECTION (above)

MYOBRACE® J1

The *J1* provides habit correction. The *J1* is made of flexible silicone to readily adapt to any arch-form and malocclusion.

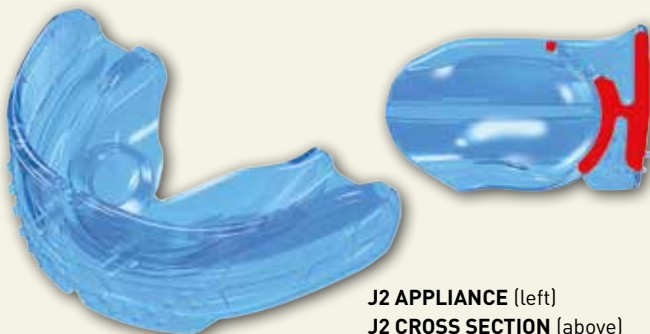
It features anterior and posterior air springs that improve muscle function for children in the primary dentition.

The *J1* is in medium and large and available in pink and blue.



ARCH DEVELOPMENT

STAGE 2



J2 APPLIANCE (left)
J2 CROSS SECTION (above)

MYOBRACE® J2

The *J2* provides arch development as well as habit correction.

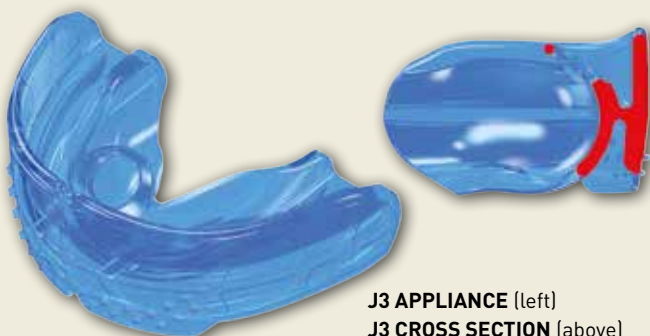
The *J2* is made of medium-hardness material which assists in widening and developing the jaws.

The *J2* is in medium and large and available in pink and blue.



TOOTH ALIGNMENT AND OCCLUSAL CORRECTION

STAGE 3



J3 APPLIANCE (left)
J3 CROSS SECTION (above)

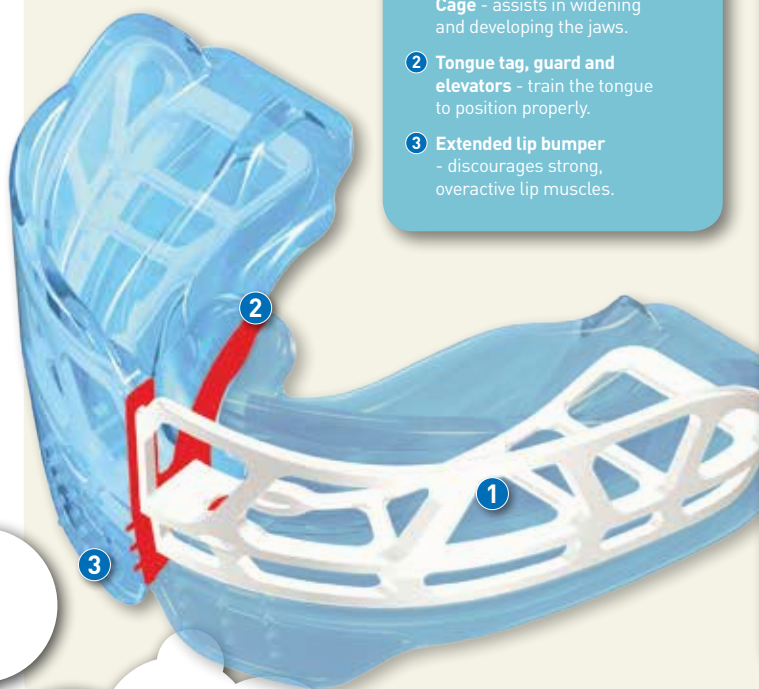
MYOBRACE® J3

The *J3* provides continued jaw development and occlusal correction.

The *J3*'s firm polyurethane construction provides excellent tooth alignment and the wider tongue tag finalises tongue position.

The *J3* is in medium and large and available in pink and blue.

Myobrace for Kids™



- 1 **Dynamicore™ with Frankel Cage** - assists in widening and developing the jaws.
- 2 **Tongue tag, guard and elevators** - train the tongue to position properly.
- 3 **Extended lip bumper** - discourages strong, overactive lip muscles.

mixed Dentition

Myobrace for Kids™ is a three-stage appliance system designed specifically to correct poor oral habits while treating upper and lower jaw development problems. *Myobrace for Kids™* is most effective after a child's permanent front teeth have come through and before all the permanent teeth have erupted.

For assistance with appliance selection, use the 'Appliance Selector' feature on myoresearch.com.

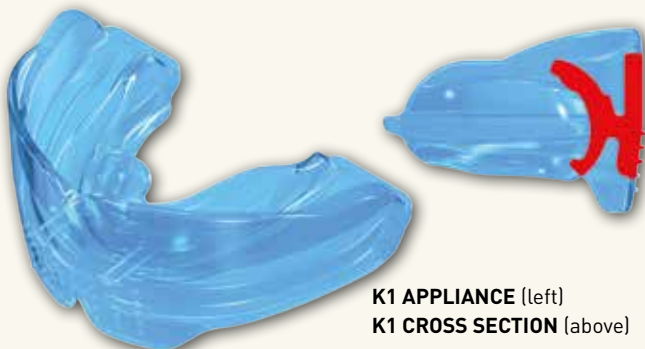
Designed for:

- Class II Division 1 + 2 malocclusion.
- Anterior (upper + lower) crowding.
- Deep bite.
- Open bite.



HABIT CORRECTION

STAGE 1



K1 APPLIANCE (left)
K1 CROSS SECTION (above)

MYOBACE® K1

The K1 provides habit correction.

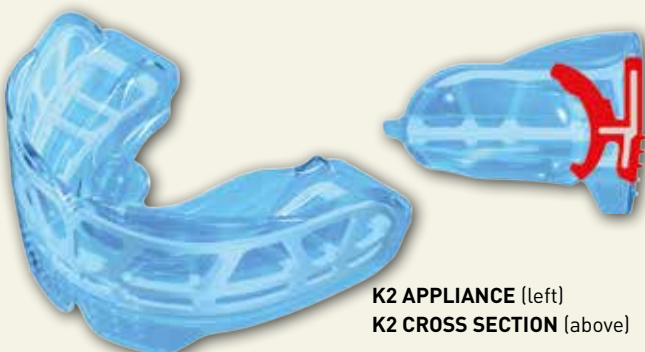
The K1 is made of flexible silicone to adapt to any arch-form and poorly-aligned teeth. Its flexible nature also means that it offers improved retention for night-time use.

The K1 is available in three sizes and comes in pink and blue.



ARCH DEVELOPMENT

STAGE 2



K2 APPLIANCE (left)
K2 CROSS SECTION (above)

MYOBACE® K2

The K2 provides arch development in addition to habit correction.

The K2 features *Dynamicore™* with a *Frankel Cage* which assists in developing the arch-form and improving the dental alignment.

The K2 is available in three sizes and comes in pink, blue and clear.



FINAL ALIGNMENT AND RETENTION

STAGE 3



K3 APPLIANCE (left)
K3 CROSS SECTION (above)

MYOBACE® K3

The K3 provides final alignment and retention.

The K3's firm polyurethane construction provides excellent tooth alignment and retention. The hollow tongue tag finalises tongue position.

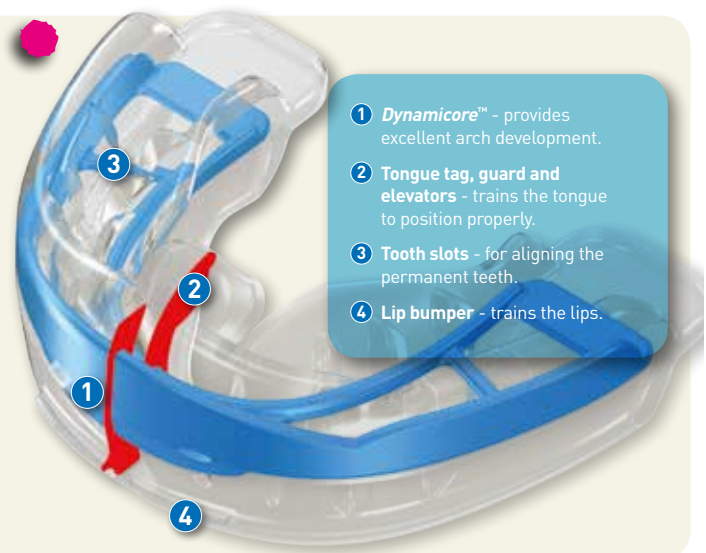
The K3 is available in three sizes and comes in pink and blue.

DEVELOPING PERMANENT DENTITION

Myobrace for Teens™

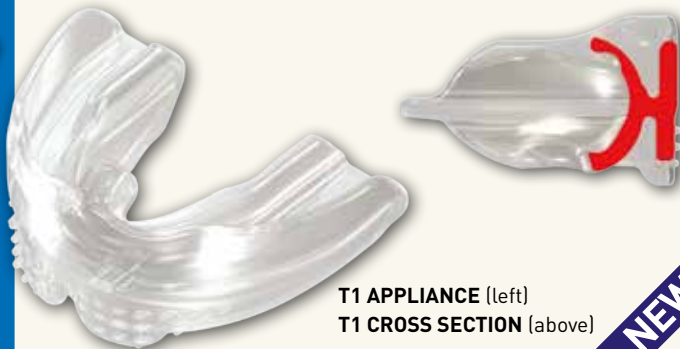
Myobrace for Teens™ is a four-stage appliance system designed specifically to correct poor oral habits while treating upper and lower jaw development problems. Myobrace for Teens™ is most effective when the permanent teeth have come through and is designed to guide the erupting teeth into their natural position.

For assistance with appliance selection, use the 'Appliance Selector' feature on myoresearch.com.



HABIT
CORRECTION

STAGE 1



T1 APPLIANCE (left)
T1 CROSS SECTION (above)

NEW

MYOBRACE® T1

The T1 provides habit correction and initial dental alignment.

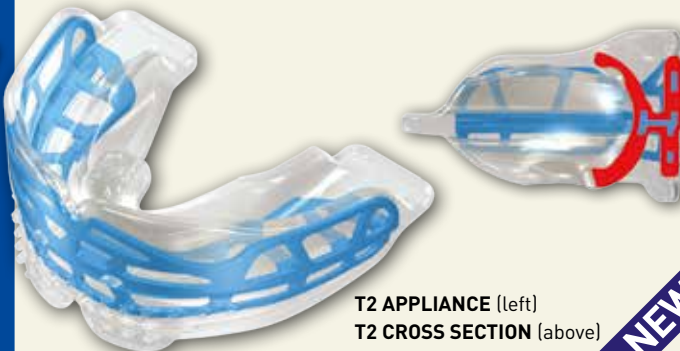
The T1 is made of soft and flexible material to adapt to a wide range of arch forms and poorly aligned teeth. The soft material allows for better retention and comfort in the initial stages of treatment.

The T1 is available in regular and large.



ARCH
DEVELOPMENT

STAGE 2



T2 APPLIANCE (left)
T2 CROSS SECTION (above)

NEW

MYOBRACE® T2

The T2 provides arch development in addition to habit correction.

The T2 features Dynamicore™ with a Frankel Cage, which assists in developing the arch-form to create more space for the erupting permanent dentition as well as improving the dental alignment.

The T2 is available in regular and large.



FINAL
ALIGNMENT

STAGE 3



T3 APPLIANCE (left)
T3 CROSS SECTION (above)

MYOBRACE® T3

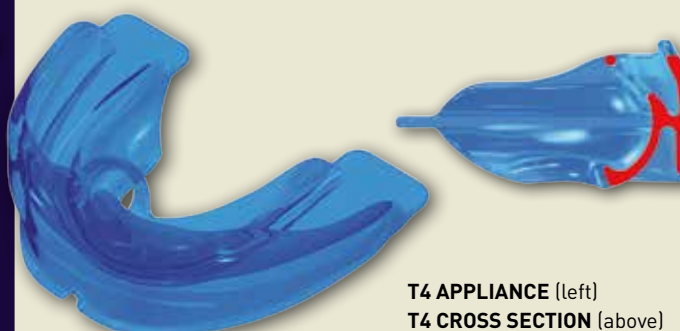
The T3 provides individual tooth alignment in addition to further arch development and habit correction. The T3 features Dynamicore™ to assist in developing the arch-form which provides more space for the erupting dentition. The tooth slots separate and align the anterior teeth.

The T3 is available in seven sizes.



RETENTION

STAGE 4



T4 APPLIANCE (left)
T4 CROSS SECTION (above)

MYOBRACE® T4

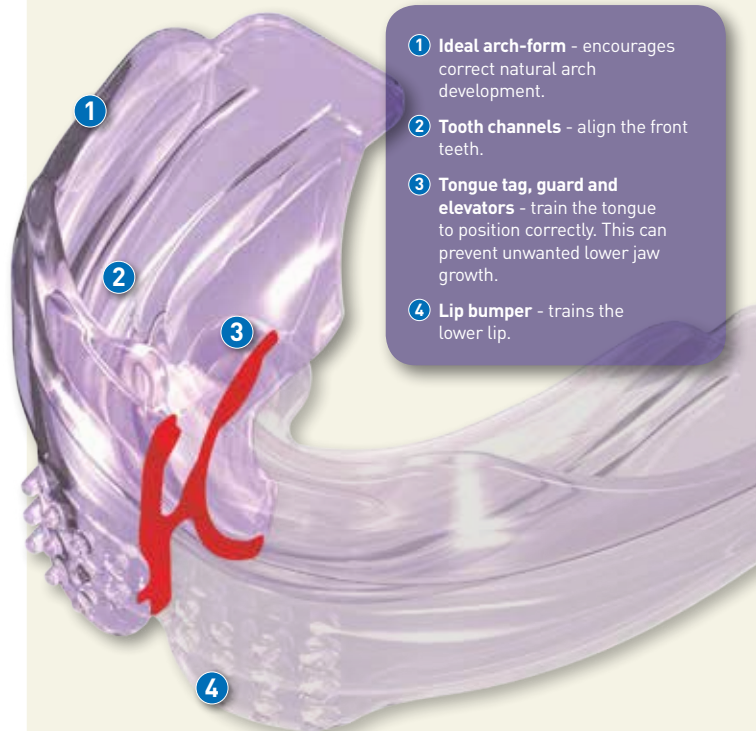
The T4 provides final alignment of the teeth and jaws.

The T4's firm polyurethane construction also provides excellent retention.

The hollow tongue tag encourages final tongue position.

The T4 is available in regular and large.

Myobrace for Adults™



- 1 **Ideal arch-form** - encourages correct natural arch development.
- 2 **Tooth channels** - align the front teeth.
- 3 **Tongue tag, guard and elevators** - train the tongue to position correctly. This can prevent unwanted lower jaw growth.
- 4 **Lip bumper** - trains the lower lip.

PERMANENT DENTITION

Myobrace for Adults™ is a three-stage appliance system suitable for the permanent dentition.

The *Myobrace for Adults™* appliance series incorporates many of *MRC's* proven appliance design principles, including features that correct poor oral habits, while applying light forces to align the teeth.

For assistance with appliance selection, use the 'Appliance Selector' feature on myoresearch.com.

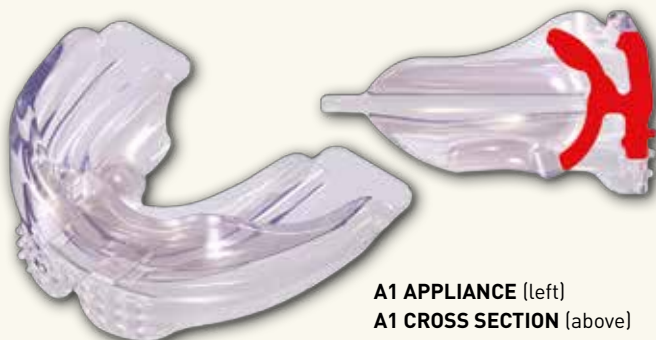
Designed for:

- Treating malocclusion in adult patients.
- Mild to medium upper and lower anterior crowding.
- Treatment of relapse of anterior alignment after orthodontic treatment with braces.
- Moderate Class II Division 1 and Division 2.

A¹

HABIT
CORRECTION

STAGE 1



A1 APPLIANCE (left)
A1 CROSS SECTION (above)

MYOBRACE® A1

The A1 provides habit correction and initial dental alignment.

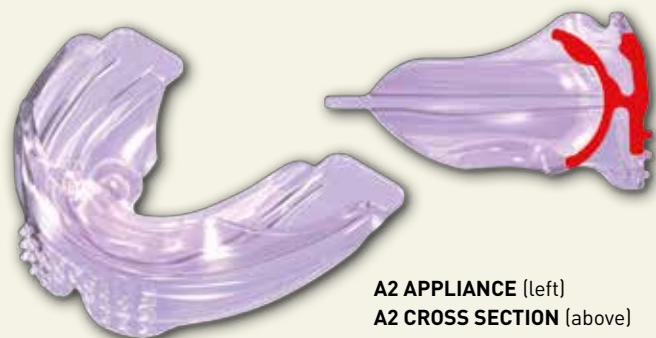
The A1 is made of soft and flexible material to adapt to a wide range of arch forms and poorly aligned teeth. The soft material allows for better retention and comfort in the initial stages of treatment.

The A1 is available in regular and large.

A²

ARCH
DEVELOPMENT

STAGE 2



A2 APPLIANCE (left)
A2 CROSS SECTION (above)

MYOBRACE® A2

The A2 provides arch development as well as habit correction and dental alignment.

The A2 is made of medium-hardness polyurethane and provides arch development and puts small force on the teeth for improved dental alignment.

The A2 is available in regular and large.

A³

FINAL
ALIGNMENT AND
RETENTION

STAGE 3



A3 APPLIANCE (left)
A3 CROSS SECTION (above)

MYOBRACE® A3

The A3 provides final alignment and retention.

The A3's firm polyurethane construction provides excellent tooth alignment and retention.

The hollow tongue tag finalises tongue position and improves habit correction.

The A3 is available in regular and large.

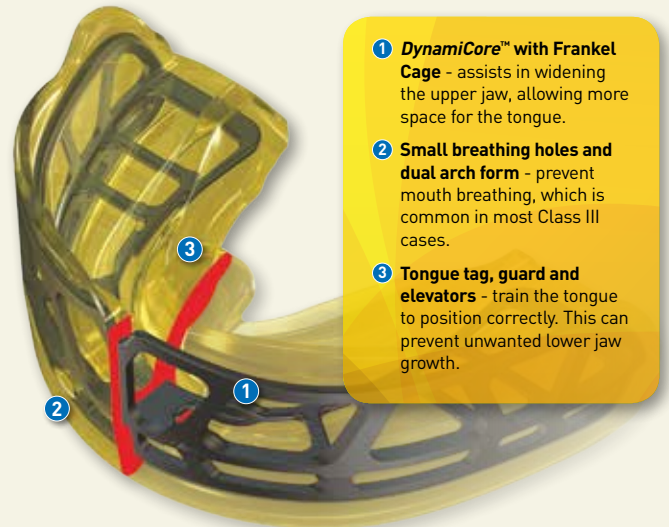
MIXED DENTITION

CIII

Myobrace for Interceptive Class III™

Myobrace Interceptive Class III™ is a three-stage appliance system designed specifically to correct poor oral habits while limiting the excessive lower jaw development problems commonly associated with patients who have Class III malocclusion.

Myobrace Interceptive Class III™ is most effective before a child's permanent teeth are coming through (ages 5 to 8) and is available in three sizes.



i-3^N

HABIT CORRECTION

STAGE 1



i-3N APPLIANCE (left)
i-3N CROSS SECTION (above)

MYOBACE® i-3N

The *i-3N* provides habit correction.

The *i-3N* is made of flexible silicone to adapt to any arch-form and poorly-aligned teeth. Its flexible nature also means that it offers improved retention for night-time use.

The *i-3N* is available in three sizes, in yellow or clear.

i-3[®]

ARCH DEVELOPMENT

STAGE 2



i-3[®] APPLIANCE (left)
i-3[®] CROSS SECTION (above)

MYOBACE® i-3[®]

The *i-3[®]* provides arch development in addition to habit correction.

The *i-3[®]* features *DynamiCore™* with a *Frankel Cage* which assists in developing the arch-form and improving the dental alignment.

The *i-3[®]* is available in three sizes, in yellow or clear.

i-3^H

FINAL ALIGNMENT AND RETENTION

STAGE 3



i-3H APPLIANCE (left)
i-3H CROSS SECTION (above)

MYOBACE® i-3H

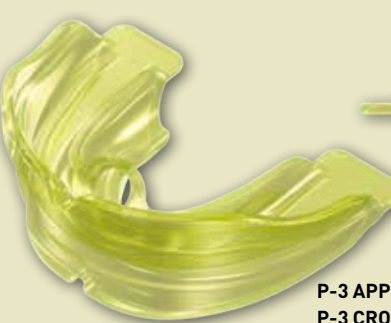
The *i-3H* provides final alignment and retention.

The *i-3H*'s firm polyurethane construction provides excellent tooth alignment and retention. The hollow tongue tag finalises tongue position.

The *i-3H* is available in three sizes.

P-3

PERMANENT DENTITION



P-3 APPLIANCE (left)
P-3 CROSS SECTION (above)

MYOBACE® P-3 PERMANENT DENTITION

The *P-3* provides jaw repositioning to help correct class III malocclusion in the permanent dentition.

The *P-3* features Frankel Shields that maximise any Frankel effect to adapt the maxilla in a more forward position as well as a 3mm offset of the upper and lower incisor position.

The *P-3* is available in clear and green.

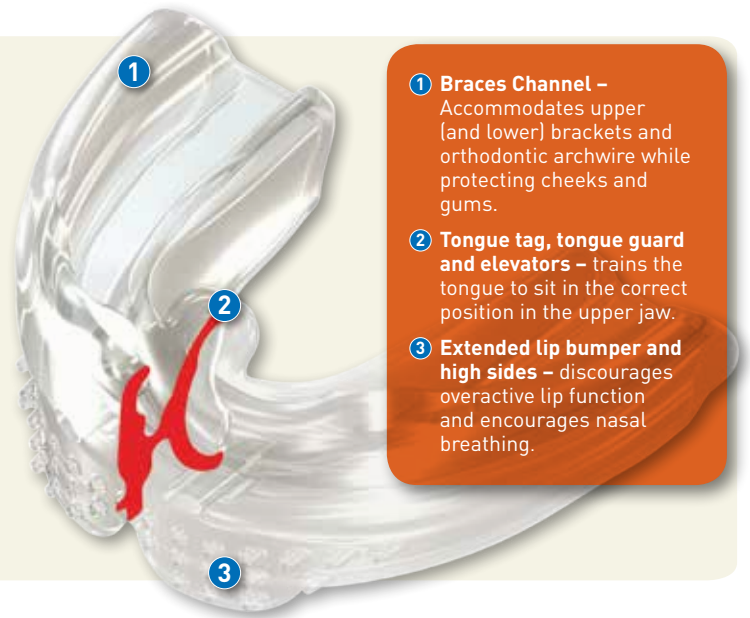
NEW

Myobrace for Braces™

PERMANENT DENTITION WITH BRACES

Myobrace for Braces™ is a three-stage appliance system specifically designed to be compatible with braces while correcting poor oral habits, improving upper and lower jaw developmental problems and assisting fixed appliances to align permanent teeth.

These appliances correct poor myofunctional habits, which can cause crooked teeth, while providing light forces to assist in expanding the upper jaw and help braces align teeth into the correct position.



- 1 Braces Channel –** Accommodates upper (and lower) brackets and orthodontic archwire while protecting cheeks and gums.
- 2 Tongue tag, tongue guard and elevators –** trains the tongue to sit in the correct position in the upper jaw.
- 3 Extended lip bumper and high sides –** discourages overactive lip function and encourages nasal breathing.



**HABIT
CORRECTION**

STAGE 1



B1 APPLIANCE (left)
B1 CROSS SECTION (above)



MYOBRACE® B1

The *B1* provides habit correction.

It features a braces channel, tongue tag, tongue guard, elevators, extended lip bumpers and high sides to correct tongue position, discourage overactive lip function and encourage nasal breathing in conjunction with fixed braces treatment.



B1 LING APPLIANCE (left)
B1 LING CROSS SECTION (above)



MYOBRACE® B1 LING

The *B1 LING* provides habit correction.

It features a braces channel, tongue tag, tongue guard, elevators, extended lip bumpers and high sides to correct tongue position, discourage overactive lip function and encourage nasal breathing in conjunction with fixed lingual braces treatment.



**ARCH
EXPANSION**

STAGE 2



B2 APPLIANCE (left)
B2 CROSS SECTION (above)



MYOBRACE® B2

The *B2* provides arch expansion.

It features a braces channel, *Dynamicore™*, tongue tag, tongue guard, elevators, extended lip bumpers and high sides to assist with arch development, correct tongue position, discourage overactive lip function and encourage nasal breathing in conjunction with fixed braces treatment.



**HABIT
CORRECTION IN
THE RETENTION
PHASE**

STAGE 3



B3 APPLIANCE (left)
B3 CROSS SECTION (above)



MYOBRACE® B3

The *B3* provides habit correction in the retention phase.

It features a widened channel, tongue tag, tongue guard, elevators, extended lip bumpers and high sides to correct tongue position, discourage overactive lip function and encourage nasal breathing in conjunction with clear aligners.

GETTING STARTED

Step 1 - Research

Your first step is to review myoresearch.com. On this website you'll find detailed information on myofunctional orthodontics and MRC's appliance systems. This will allow you to start treating cases.

Step 2 - Contact an MRC representative

Contact your nearest MRC representative to get further information about the appliances and treatment methods. They can also provide you with information about MRC's courses along with giving you access to doctor, staff and patient education media.

Step 3 - Attend a course

Our courses will equip you with the ability to treat a wider range of cases and achieve better patient compliance - all while experiencing increased profitability. Attending one of our courses will give you a new and profitable technique that can be applied to any case.



Attend one of MRC's seminars for hands-on training

Millions of growing children have malocclusion. It is no longer viable to maintain orthodontic results with retainers for life or re-treatment. Myofunctional orthodontics is the only way forward and MRC's seminars will show you the way.

Learn about appliance selection from experienced practitioners and gain valuable insight into the diagnosis and treatment of malocclusion using MRC's appliances.

If you'd like to get started using MRC's appliances please contact your nearest MRC representative, or visit myoresearch.com.

MYOBRACE CERTIFIED PROVIDER™ PROGRAM

The *Myobrace Certified Provider™* Program has been developed for dentists and orthodontists who would like a streamlined process for introducing myofunctional orthodontics into their practice. The program's network is comprised of dentists and orthodontists from around the world who are united in the common desire to provide comprehensive and high-quality myofunctional orthodontic care to their patients. *Myobrace Certified Providers™* are given access to MRC's own clinically developed educational and marketing tools.

Why become a *Myobrace Certified Provider™*?

- Treat a wider range of patients.
- Increase patient flow in your practice.
- Less chair-side time required.
- Financial benefits for you and your patients.



For more info visit www.myoresearch.com or contact an MRC representative

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