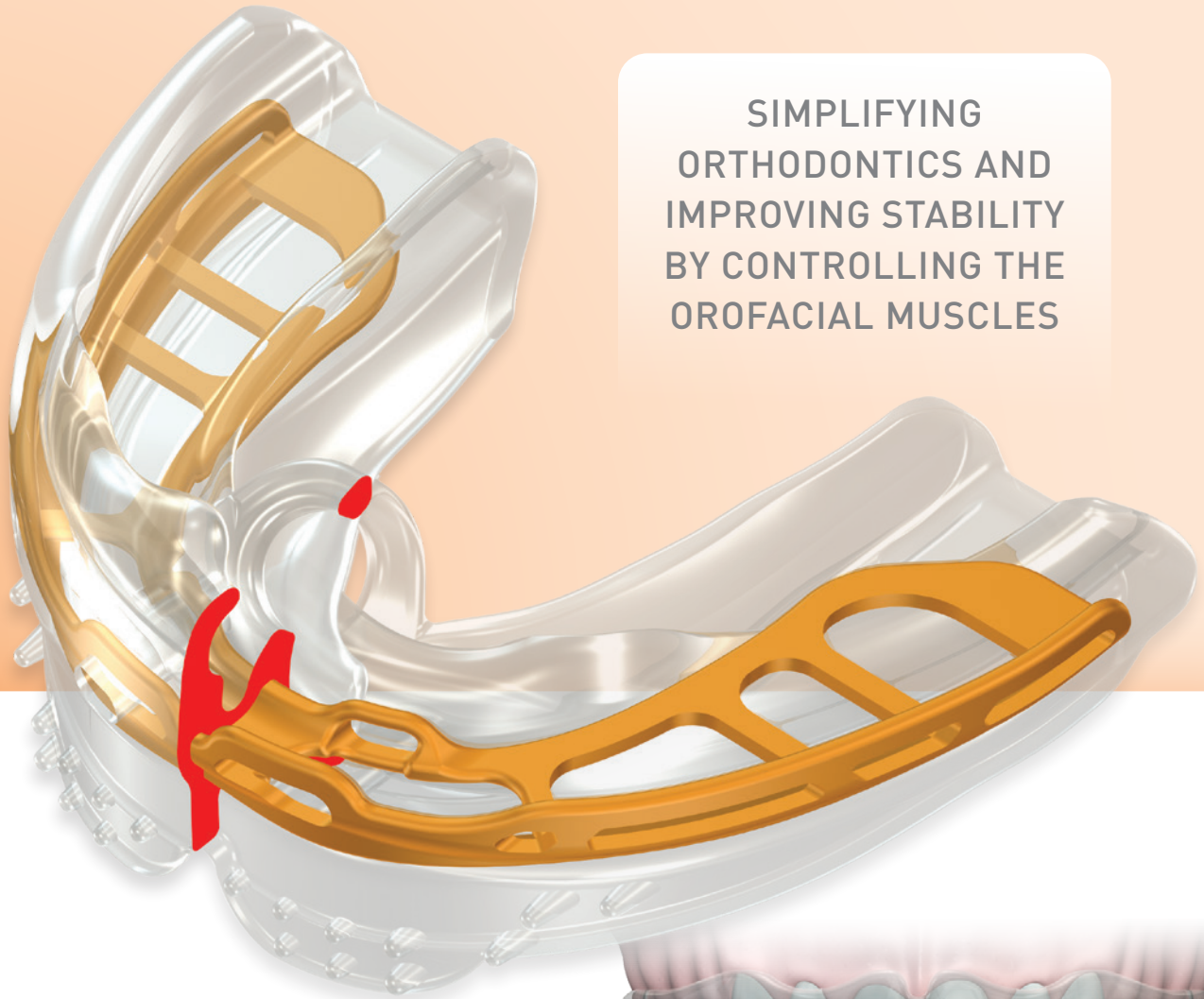


# myobrace®

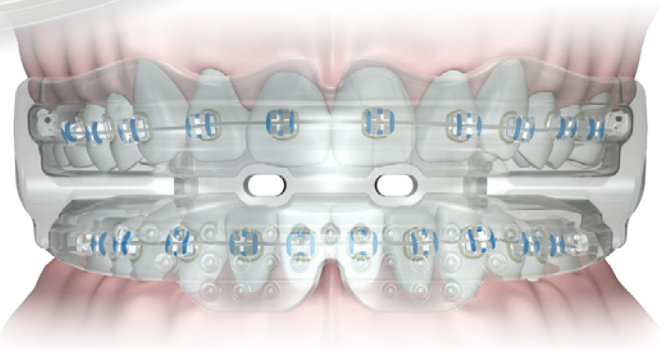


## FOR ORTHODONTISTS

SIMPLIFYING  
ORTHODONTICS AND  
IMPROVING STABILITY  
BY CONTROLLING THE  
OROFACIAL MUSCLES



*Myofunctional Research Co. (MRC)* presents an innovative range of prefabricated appliances that are a must-have in every orthodontic practitioner's arsenal. Fitting right over the top of braces or clear aligners, by establishing nasal breathing and improving the posture, function and strength of the orofacial muscles, the appliances help to simplify orthodontic treatment and encourage better stability.



### APPLIANCE CATALOGUE

WORLDWIDE PATENTS, FOR MORE INFORMATION VISIT [MYORESEARCH.COM](http://MYORESEARCH.COM)



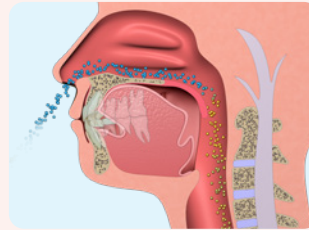


**“Harmony in the positions of the teeth and in the sizes and relations of the arches is further assisted by another force, namely muscular pressure.” - Dr Edward Angle**

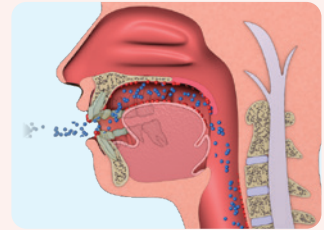
## How do Oral Habits Complicate Orthodontics?

Since the days of Angle, the orofacial muscles have come to be widely accepted as primary determinants in the position of the teeth and dental arches (dental equilibrium)<sup>1</sup>. The muscles can become dysfunctional, as is the case in mouth breathers, disrupting this dental equilibrium<sup>2,3,4</sup>. Today, countless orthodontic practitioners struggle to straighten the teeth and keep them in a stable position against the aberrant forces of the orofacial muscles.

Myofunctional therapy is a treatment to rehabilitate the function and posture of the orofacial musculature and was first proposed in orthodontics by Alfred Rogers in the early 1900s<sup>5</sup>. It soon fell out of favour as it continued to face poor compliance, unpredictability, complexity and difficulty in integration with modern orthodontic techniques. In order to control the orofacial muscles and improve outcomes, practitioners require innovative solutions with seamless integration.



Nasal breathing with correct lip and tongue posture.



Mouth breathing causing incorrect tongue position and swallow.



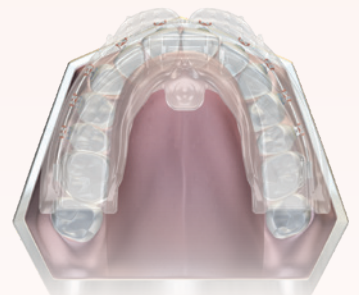
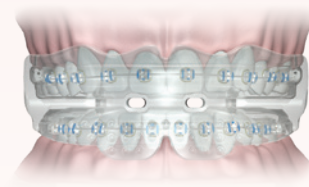
Open bites caused by dysfunctional tongue habits are some of the most difficult orthodontic cases to treat.

### MRC's Orthodontic Range

*Myofunctional Research Co. (MRC)* has created a range of innovative prefabricated intraoral appliances that establish nasal breathing, improve lip seal, tongue position and swallowing function, as well as strengthen the airway and orofacial muscles, all while using braces or clear aligners! Elimination of dysfunctional muscle patterns reduce case complexity and improve efficiency, ensuring stability is promoted.

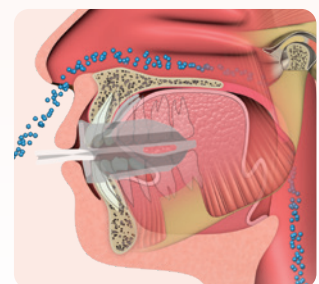
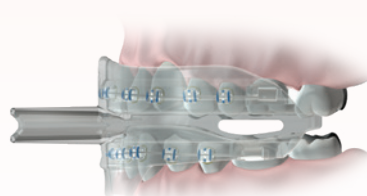
#### Myobrace® for Braces

*Myobrace® for Braces* consists of a series of prefabricated myofunctional appliances used with braces and clear aligners to control the dysfunctional muscles that occur with most malocclusions while the teeth are being straightened, providing numerous benefits for orthodontic treatment.



#### Myotalea® for Braces

The *Myotalea® Tongue Lip & Jaw Appliance for Braces (TLJB)* is a revolutionary active myofunctional appliance that can be used with braces to strengthen the tongue, lip, jaw and airway muscles while improving the transition to nasal breathing. It is simple for the patient to use and is ready to issue right out of the box!



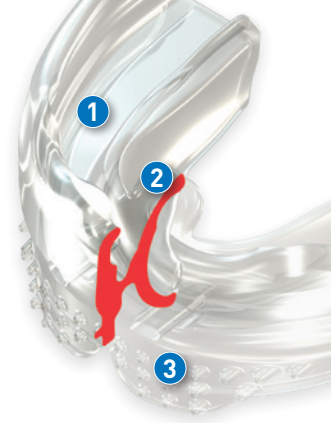


# Myobrace® for Braces

Simultaneously provides habit correction in conjunction with braces and clear aligners.

## Benefits:

- Protects soft tissues from archwire and brackets.
- Acts like a functional appliance, establishing Class I.
- Assists braces to develop and align the teeth and arches.
- Controls the orofacial muscles for efficiency and stability.
- No impressions and seamless integration with braces.



Use one hour daily plus overnight while sleeping.

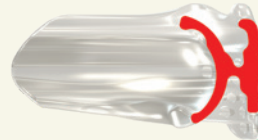
- 1 **Braces channel** accommodates brackets and orthodontic archwire.
- 2 **Tongue tag, tongue guard and elevators** train the tongue to sit in the upper jaw.
- 3 **Extended lip bumper** discourages strong, overactive lip muscles.



**HABIT CORRECTION**  
STAGE 1



**B1 APPLIANCE - REAR VIEW** (left)  
**B1 - CROSS SECTION** (above)



## MYOBRACE® B1 and B1Ling

The *B1* is soft and flexible, allowing it to adapt to any arch form or malocclusion. It is suitable to use over braces during initial levelling and alignment, however, it can also be used through the entire orthodontic treatment plan. Also available for lingual braces as the *B1Ling*.

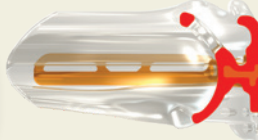


**ARCH EXPANSION**  
STAGE 2

with *Dynamicore™*



**B2 APPLIANCE - REAR VIEW** (left)  
**B2 - CROSS SECTION** (above)



## MYOBRACE® B2

The *B2* features the unique *Dynamicore™* that presents a soft outer shell with a rigid inner core. The appliance is best used after the *B1* to provide some expansion or after expansion has occurred to maintain the arch form.



**RETENTION**  
STAGE 3



**B3 APPLIANCE - REAR VIEW** (left)  
**B3 - CROSS SECTION** (above)

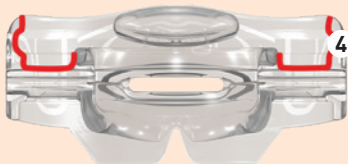


## MYOBRACE® B3

The *B3* has the firmest material of the range and has the widest tooth channels, making it compatible with clear aligners. The appliance can also be used during the retention phase with vacuum-formed retainers.

# Myotalea® TLJB

The *Myotalea® Tongue Lip & Jaw Appliance* for Braces (*TLJB*) has a number of purpose-built features to provide strengthening of the lip, tongue and jaw muscles in combination with braces.

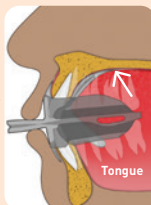


- 1 **Lip press tube** strengthens the lip muscles.
- 2 **Tongue press tube** improves tongue strength and position.
- 3 **Air springs** improve function of the jaw joints and muscles.
- 4 **Braces channels** accommodate for brackets and wires.

**TLJB APPLIANCE - PERSPECTIVE VIEW** (left)  
**TLJB - REAR VIEW** (far left)

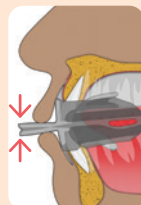
## Tongue Press

Compress the tongue press tube against the roof of the mouth with your tongue and either release the tube immediately or hold it for three breaths, then release.



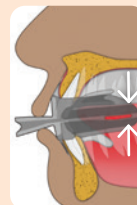
## Lip Press

Press your lips together to compress the lip press tube and either release the tube immediately or hold it for three breaths, then release.



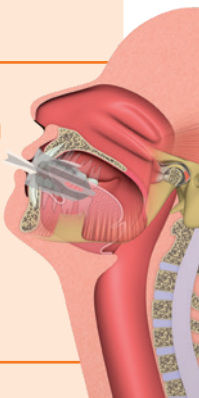
## Jaw Press

Bite together with the appliance in place to compress the air springs and either release immediately or hold for three breaths, then release.



## Head Tilt Variation (Advanced Technique)

Repeat all activities with the head tilted backwards to target the muscles of the throat and airway. There should be no discomfort in the head, neck and/or jaw during this exercise.



## About Myofunctional Research Co. (MRC)

MRC is the global leader in the development of intraoral appliance technology for the treatment of conditions related to breathing and myofunctional disorders, including malocclusion, TMJ dysfunction, sleep breathing disorders, snoring, bruxism, and more. Since the company was founded in 1989, it has consistently innovated new appliance systems coupled with state-of-the-art digital resources to improve patient compliance and acclaimed educational programs to help practitioners understand the most effective and efficient ways to implement this type of treatment into their modern practices. Join the countless practitioners in over 100 countries who have gained a new perspective on providing healthcare by using MRC's treatment systems today!

### Start using MRC's appliance systems in three simple steps!



#### 1 Visit our website

At [www.myoresearch.com](http://www.myoresearch.com) you can find online courses, appliance information and much more!



#### 2 Contact an MRC representative

We will answer your questions and guide you at each step during implementation.



#### 3 Continue learning

We offer in-person seminars and advanced online courses to enhance your clinical skills.

## Have You Seen MRC's Other Appliance Systems?

Since 1989, MRC has been innovating cutting-edge prefabricated intraoral appliances to empower practitioners to treat the breathing and myofunctional disorders that underpin malocclusion, TMJ and sleep breathing disorders. View some of our other systems below:

**myobrace®**  
MYOFUNCTIONAL ORTHODONTICS



The Myobrace® System packages breathing and habit correction, arch development and dental alignment into a simple and effective prefabricated appliance system.

**myosa®**  
MYOFUNCTIONAL SLEEP APPLIANCE



The Myosa® appliances are designed to treat breathing and myofunctional disorders to improve the symptoms of TMJ and sleep breathing issues in both children and adults.

**myoTalea®**  
TONGUE AND LIP EXERCISE APPLIANCE



The Myotalea® range are active myofunctional appliances designed to improve the stretch, strength and tone of the orofacial muscles to assist in habit correction.

FOR MORE INFO VISIT [WWW.MYOSEARCH.COM](http://WWW.MYOSEARCH.COM) OR [WWW.MYOBRACE.COM](http://WWW.MYOBRACE.COM)



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