

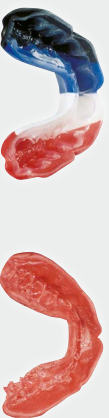
Why individually fabricated Playsafe sports mouthguards?

Playsafe sports mouthguards fit exactly onto the teeth, do not move and allow to breathe freely and to speak normally.

Sports mouthguards are not all equal!

Boil & Bite mouthguards fit poorly and become loose.

The athlete has to hold this mouthguard onto the teeth, this prevents him from producing outstanding performances.



Playsafe mouthguard

Many scientific studies show that a Boil & Bite mouthguard provides a false sense of protection due to the dramatic decrease in thickness when the athlete bites it into place during its softened state (biting through).

Boil & Bite mouthguard



When **PLAYSAFE triple**?

Playsafe triple is suited for all sports.

The hard inter layer comprises the whole guard.

Highest protection with smallest extent.

A little bit harder than the Playsafe heavy-pro.

When **PLAYSAFE** ?

The Playsafe types are chosen for specific sports.

Only the Playsafe heavy-/light-pro shows a hard layer limited to the outer teeth area.

Therefore it is a little bit more comfortable than the Playsafe triple.



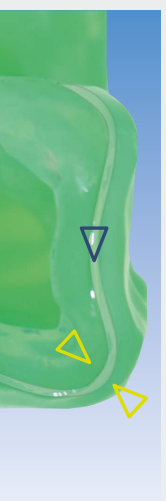
Playsafe mouthguard is always multi-layered:

Two- or three-layered **PLAYSAFE** sports mouthguard

- e. g. Playsafe heavy-pro: **1** Base, flexible (2.0 mm)
- 2** Reinforcement, hard (0.8 mm) **3** Cover layer, flexible (4.0 mm)

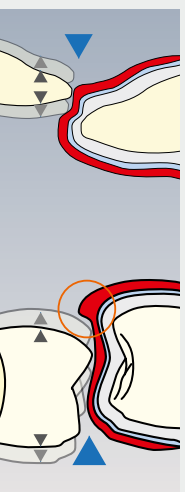
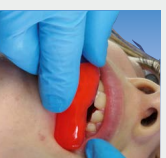
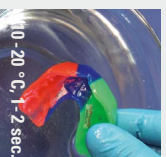
Three-layered **PLAYSAFE triple**/light sports mouthguard

flexible with hard inter-layer: ▽ hard ▷ soft, flexible (total thickness triple 5.5 mm, triple light 4.1 mm)



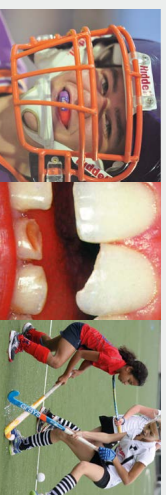
... by the way, every Playsafe mouthguard can be adjusted to changing proportions of teeth.

http://www.ericdent.com/dental/analyze/PSBark_EU_web.pdf

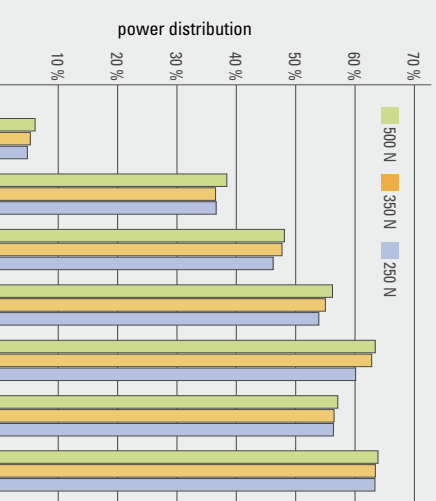
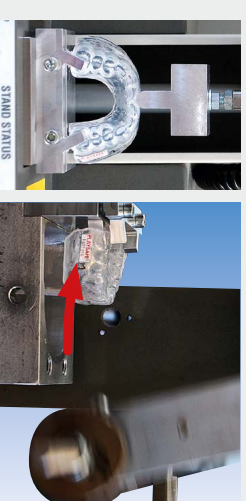


Like all Playsafe sports mouthguards also a Playsafe triple shows (▶) a „buccal shield“ despite the movability of the antagonist.

This circulating protective border (orange circle) prevents too large movements of the lower jaw in case of lateral impacts.



Tests: intensive endurance tests show the high protective effect of Playsafe mouthguard types. Resistance against deforming or pendulum test to measure power absorption and distribution.



This diagram shows the percentage of power distribution up to the first molar. A high percentage rate is the condition to efficiently distribute pointed hard impacts over the whole sports mouthguard.