



Easy-Fit® Jumper

A class II appliance used in conjunction with any bracket prescription and/or archwires.



The Easy-Fit® Jumper –

A class II appliance for use in conjunction with any bracket prescription and/or arch wires.



The Easy-Fit® Jumper is a fixed appliance, developed for the correction of class II discrepancies in combination with a standard bracket arch wire appliance. A unique design, stepless protrusive movement capabilities and no shims increase ease and safety of class II treatment. This class II alternative offers numerous advantages compared to standard class II appliances.

Similar to the well-known mandibular protrusion hinge by Prof. Dr. Herbst, the Easy-Fit® Jumper is attached in the maxilla within the molar area and in the mandibular within the premolar area. However, it is not attached to bands or splints as the rigid version but directly to the bracket/archwire appliance via pivots.

Easily fitted to your brackets and archwire

The key benefit of the Easy-Fit® Jumper is that it can be fixed directly to the bracket/archwire appliance via 4 special pivots. The pivots include a rectangular tube which slides onto a rectangular arch wire before being adjusted and crimped. The pivot is used to feed the archwire from teeth 5 to 7 in the maxilla and from teeth 3 to 5 in the mandible. The pivot is inserted to replace the standard housing nut.

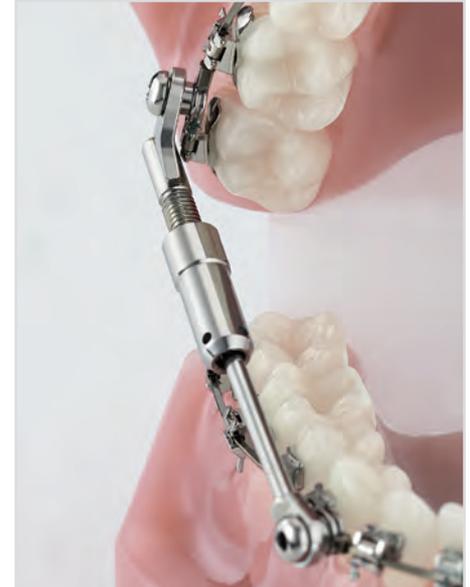
Most class II appliances require elaborate lab work and at least 3 chairside patient sessions: impression, band fit, cementation of appliance, removal and bracket bonding after correcting the bite. Now it can all be completed in one session!

The dorso-distal fin type extension positions the moving parts of the Easy-Fit® Jumper into a horizontal position, parallel to the occlusal plane. This guides the forces in a favourable direction onto the rectangular archwire or bracket combination.

Easy intraoral readjustment

Most of the various class II appliances either need hinges in different lengths or the length needs adapting via shims. To adapt those appliances within the treatment process, the appliances need to be removed and the length adapted. The Easy-Fit® Jumper allows easy and safe intraoral adjustment and reactivation!

A thread within the guidance tube allows for stepless reactivation of the appliance. A key supplied with the product is simply placed into the holes in the tube and turned, thus allowing for the further advancement of the tube. Disengagement and removal of the appliance in order to add shims are no longer necessary. Due to the shimless design of the Easy-Fit® Jumper, the risk of accidental aspiration of loose parts is eliminated. Clinicians can complete all adjustments chairside. Furthermore, the unique threaded design allows for activation by both right and left handed clinicians without repositioning the patient.

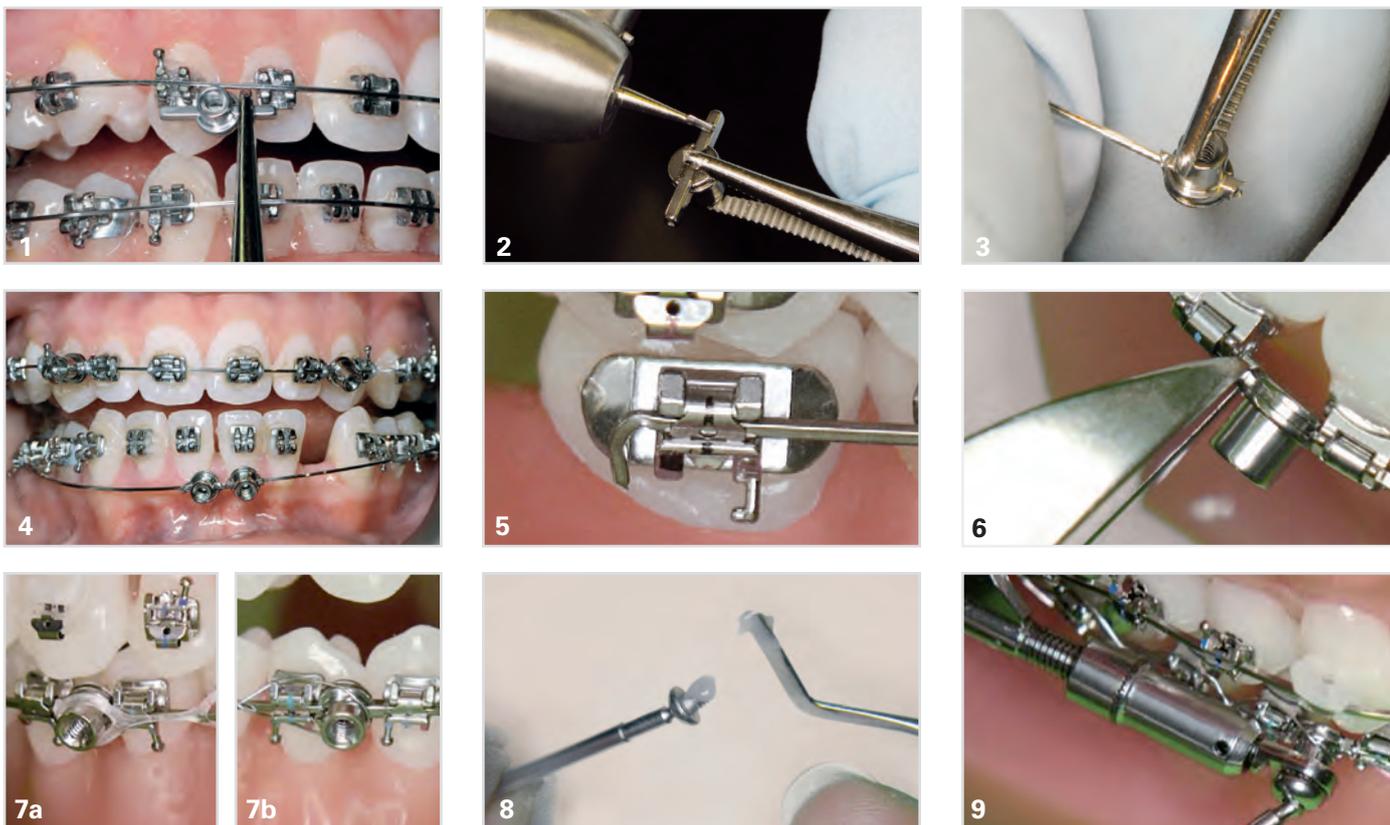


Treatment effects of the Easy-Fit® Jumper

- Stimulating growth of the mandible
- Reducing growth of the maxillary
- Distalisation of the teeth in the maxillary (headgear effect)
- Mesialisation of the teeth in the mandible
- Proclination and intrusion of the lower incisors
- Modification of the face profile
- Modification of the activity of the musculus masseteres



The easy fitting procedure



Clinical cases



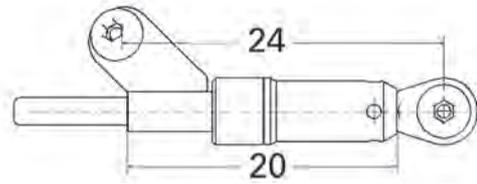
Case 1:
Class II, deep bite
(girl, 13 years).



Case 2:
Class II, retro-
gnath profile
(girl, 14 years).

Advantages of the Easy-Fit® Jumper*

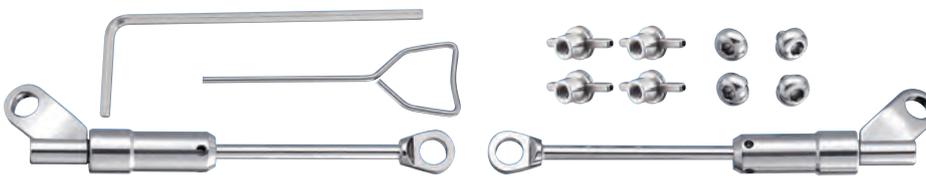
- Only one chairside session needed to insert the device
- No shims – no removal of the appliance
- No elaborate lab work
- Stepless advancement
- Class II correction with simultaneous bracket treatment
- Non-dependent on patient compliance
- Ideally suited for both right and left handed clinicians
- Asymmetrical advancement - accurate to within 1/8 mm per side
- No need to stock different sizes of shim



Technical data

outer diameter:	5 mm
thread lead:	0.8 mm per full turn
activation range:	+ 6 mm
nominal size*	20 mm
distance bore centre to bore centre*	24 mm
total length*	29 mm

* + 6 mm activation

	Description	Order No.
	1 patient kit Slot .018"	321-0118
	1 patient kit Slot .022"	321-0122

	Description	Content	Order No.	
	guidance tube with sleeve right	1 Kit	321-0107	
	guidance tube with sleeve left	1 Kit	321-0108	
	inner screws	10	320-0104	
	pivot	Slot .018"	10	323-0105
		Slot .022"	10	321-0105
	hexagon key	1	320-0109	

*Invented by Dr. Michael Williams, Gulfport, Mississippi. US patent no. 5,919,042 and 6,241,517. Mexican Patent no. 1999527 and 224167 and other international patents.